

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051452.D
 Acq On : 24 Sep 2018 11:27
 Operator : MD\SY
 Sample : VN0924MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:31:01 AM

Quant Time: Sep 25 02:34:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	508720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	711541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	635787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	309802	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	326603	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.59	113	293124	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
50) Toluene-d8	10.09	98	1091391	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	345917	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	89691	18.898	ug/l	98
3) Chloromethane	2.06	50	155779	20.619	ug/l	97
4) Vinyl Chloride	2.19	62	169995	20.386	ug/l	99
5) Bromomethane	2.57	94	109649	21.975	ug/l	97
6) Chloroethane	2.71	64	106660	20.527	ug/l	97
7) Trichlorofluoromethane	3.02	101	213581	19.554	ug/l	99
8) Diethyl Ether	3.41	74	62286	16.320	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	111901	18.153	ug/l	98
10) Methyl Iodide	3.95	142	149660	18.452	ug/l	99
11) Tert butyl alcohol	4.79	59	33362	92.761	ug/l #	78
12) 1,1-Dichloroethene	3.74	96	97420	17.212	ug/l	94
13) Acrolein	3.61	56	31050	86.941	ug/l	100
14) Allyl chloride	4.33	41	172028	18.115	ug/l	99
15) Acrylonitrile	4.99	53	180865	92.445	ug/l	98
16) Acetone	3.82	43	126810	72.460	ug/l	96
17) Carbon Disulfide	4.05	76	289149	17.388	ug/l	99
18) Methyl Acetate	4.33	43	91041	18.758	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	273126	18.713	ug/l	98
20) Methylene Chloride	4.55	84	120558	19.118	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	104748	18.091	ug/l	97
22) Diisopropyl ether	5.95	45	368546	20.077	ug/l	97
23) Vinyl Acetate	5.90	43	1136455	94.301	ug/l	100
24) 1,1-Dichloroethane	5.85	63	216548	19.772	ug/l	98
25) 2-Butanone	6.84	43	197479	90.537	ug/l	100
26) 2,2-Dichloropropane	6.83	77	174676	20.431	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	123013	19.362	ug/l	98
28) Bromochloromethane	7.20	49	96122	19.005	ug/l	100
29) Tetrahydrofuran	7.21	42	133339	96.465	ug/l	97
30) Chloroform	7.37	83	220293	20.299	ug/l	97
31) Cyclohexane	7.66	56	188823	18.817	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	190147	20.495	ug/l	100
36) 1,1-Dichloropropene	7.79	75	160930	19.531	ug/l	99
37) Ethyl Acetate	6.93	43	93853	19.810	ug/l	100
38) Carbon Tetrachloride	7.77	117	171203	19.865	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051452.D
 Acq On : 24 Sep 2018 11:27
 Operator : MD\SY
 Sample : VN0924MBSD01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0924MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:31:01 AM

Quant Time: Sep 25 02:34:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	179460	18.631	ug/l	97
40) Benzene	8.04	78	479425	19.816	ug/l	99
41) Methacrylonitrile	7.17	41	47672	18.188	ug/l	96
42) 1,2-Dichloroethane	8.13	62	156196	20.162	ug/l	99
43) Isopropyl Acetate	8.17	43	166496	19.435	ug/l #	89
44) Trichloroethene	8.84	130	129540	20.158	ug/l	97
45) 1,2-Dichloropropane	9.12	63	133864	20.355	ug/l	100
46) Dibromomethane	9.21	93	73975	19.907	ug/l	99
47) Bromodichloromethane	9.40	83	165197	20.089	ug/l	99
48) Methyl methacrylate	9.20	41	80706	18.896	ug/l	98
49) 1,4-Dioxane	9.20	88	19221	367.199	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	450054	95.524	ug/l	99
52) Toluene	10.16	92	298014	19.821	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	156036	18.795	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	188578	19.587	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	106886	20.115	ug/l	98
56) Ethyl methacrylate	10.43	69	118664	18.265	ug/l	97
57) 1,3-Dichloropropane	10.71	76	179334	19.690	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	299991	98.741	ug/l	100
59) 2-Hexanone	10.75	43	276312	90.468	ug/l	98
60) Dibromochloromethane	10.90	129	120861	19.277	ug/l	99
61) 1,2-Dibromoethane	11.00	107	99513	19.291	ug/l	100
64) Tetrachloroethene	10.63	164	118423	20.524	ug/l	98
65) Chlorobenzene	11.43	112	319214	19.569	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	123153	19.816	ug/l	99
67) Ethyl Benzene	11.51	91	537697	19.559	ug/l	100
68) m/p-Xylenes	11.62	106	409808	38.539	ug/l	99
69) o-Xylene	11.95	106	195519	19.126	ug/l	97
70) Styrene	11.96	104	310195	19.150	ug/l	99
71) Bromoform	12.13	173	80447	19.077	ug/l #	98
73) Isopropylbenzene	12.25	105	526126	20.128	ug/l	99
74) N-amyl acetate	12.07	43	125189	19.088	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	123956	20.336	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	108562m	21.109	ug/l	
77) Bromobenzene	12.53	156	129811	19.618	ug/l	97
78) n-propylbenzene	12.59	91	593179	20.135	ug/l	99
79) 2-Chlorotoluene	12.67	91	357299	20.262	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	442748	20.772	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30223	18.070	ug/l	95
82) 4-Chlorotoluene	12.77	91	352203	20.011	ug/l	98
83) tert-Butylbenzene	12.99	119	386889	20.393	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	441223	20.543	ug/l	100
85) sec-Butylbenzene	13.17	105	522094	20.343	ug/l	98
86) p-Isopropyltoluene	13.29	119	452983	20.398	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	223209	19.493	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	216677	19.666	ug/l	98
89) n-Butylbenzene	13.61	91	355410	19.462	ug/l	99
90) Hexachloroethane	13.87	117	86391	19.524	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	219216	19.730	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17958	20.644	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
Data File : VN051452.D
Acq On : 24 Sep 2018 11:27
Operator : MD\SY
Sample : VN0924MBSD01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:01 AM

Quant Time: Sep 25 02:34:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	97078	20.250	ug/l	97
94) Hexachlorobutadiene	15.01	225	88208	20.983	ug/l	99
95) Naphthalene	15.13	128	165523	20.102	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	100642	18.875	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

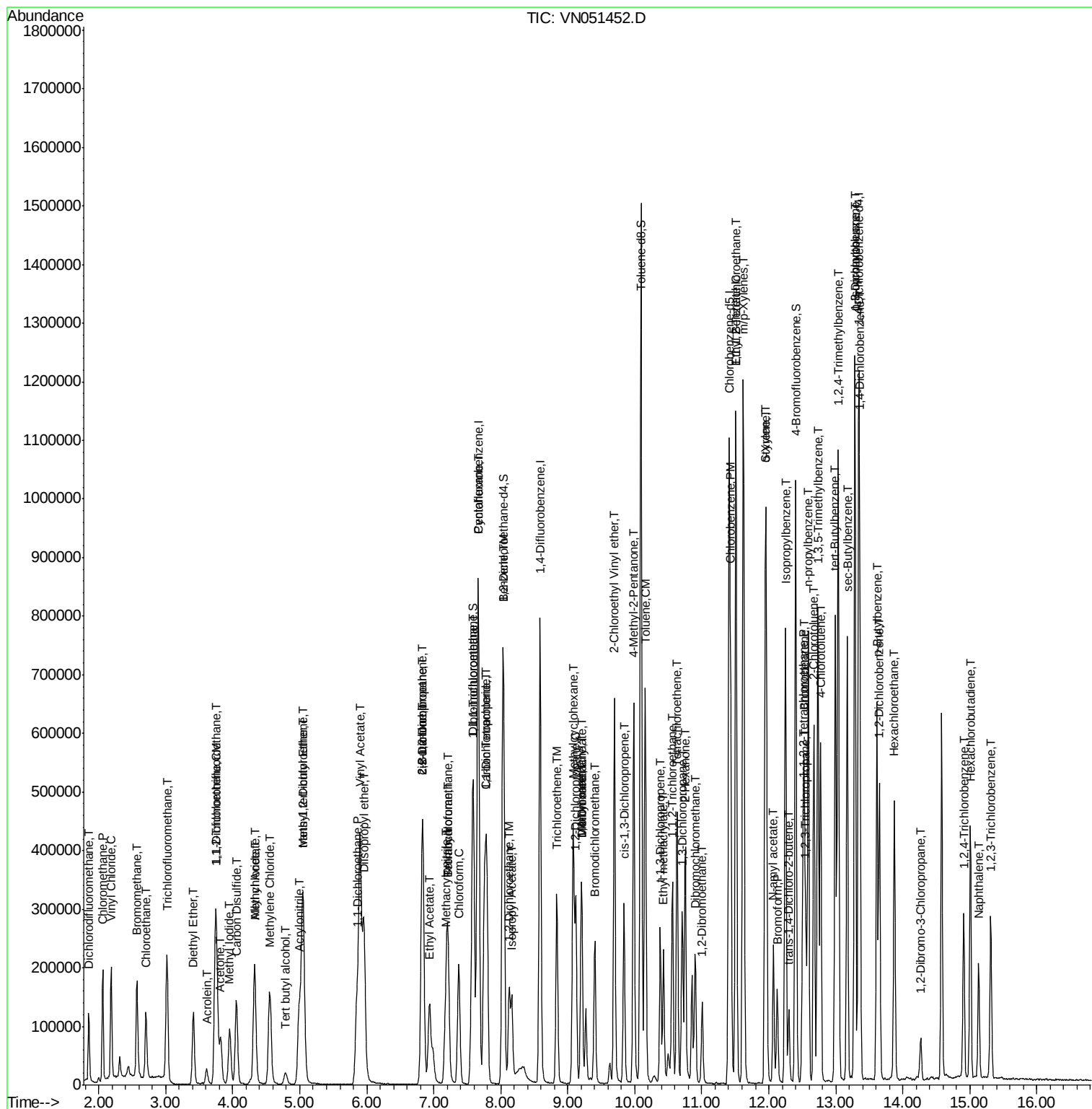
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092418\
Data File : VN051452.D
Acq On : 24 Sep 2018 11:27
Operator : MD\SY
Sample : VN0924MBSD01
Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

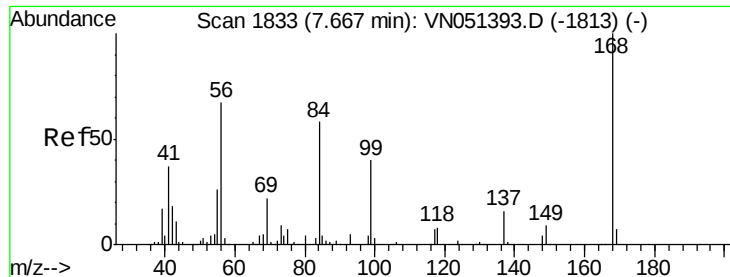
Instrument :
MSVOA_N
Client Sampled :
VN0924MBSD01

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:01 AM

Quant Time: Sep 25 02:34:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBSD01

Tot Ion:168 Resp: 508720

Ion Ratio Lower Upper

168 100

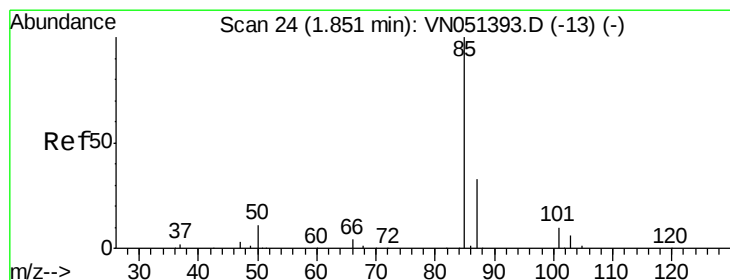
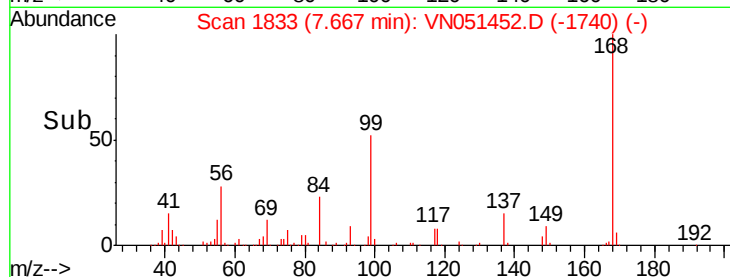
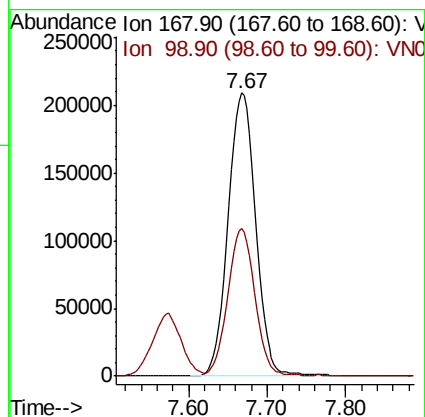
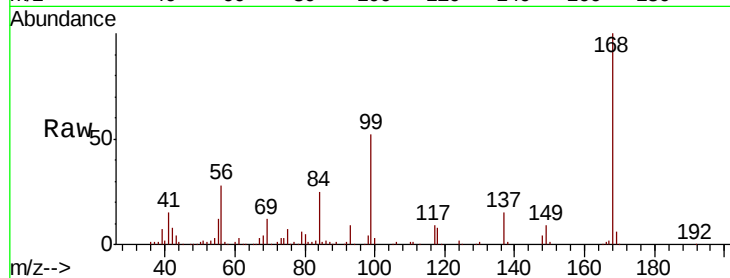
99 52.0 40.2 60.2

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:01 AM



#2

Dichlorodifluoromethane

Concen: 18.898 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051452.D

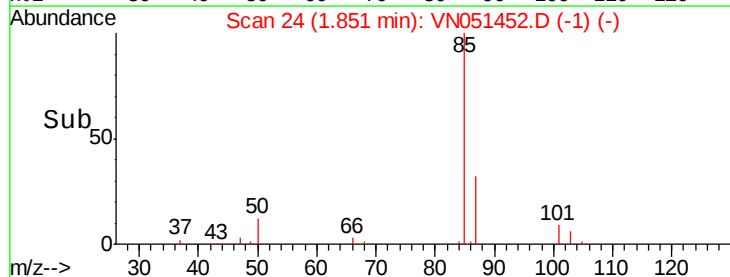
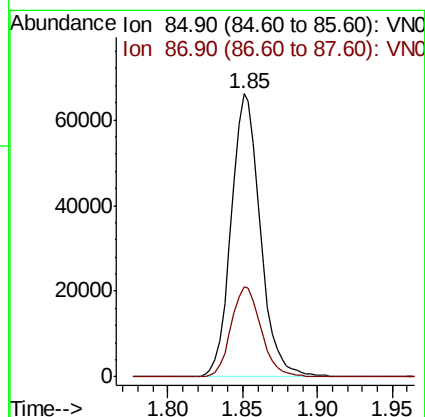
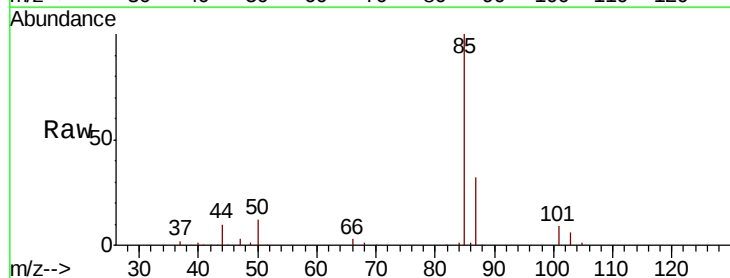
Acq: 24 Sep 2018 11:27

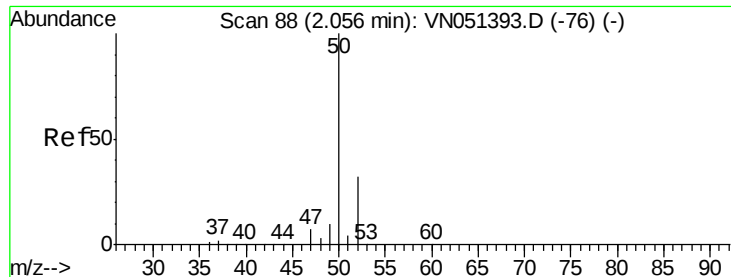
Tgt Ion: 85 Resp: 89691

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.9





#3

Chloromethane

Concen: 20.619 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBSD01

Tot Ion: 50 Resp: 155779

Ion Ratio Lower Upper

50 100

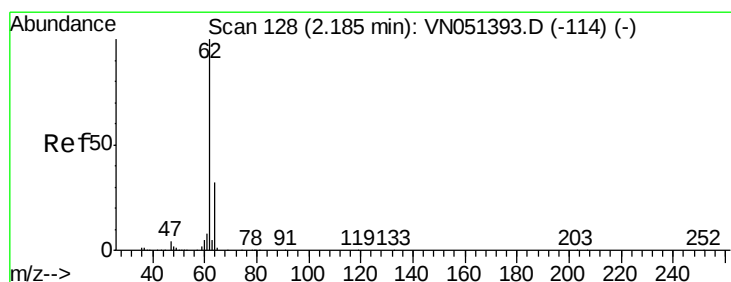
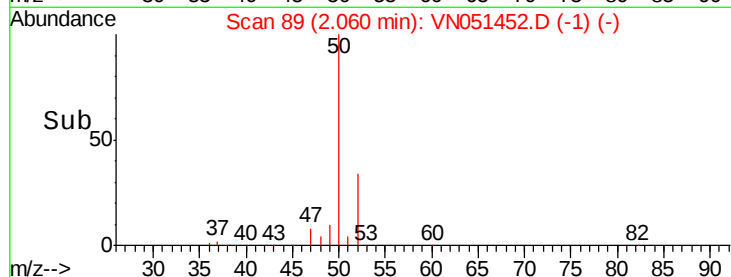
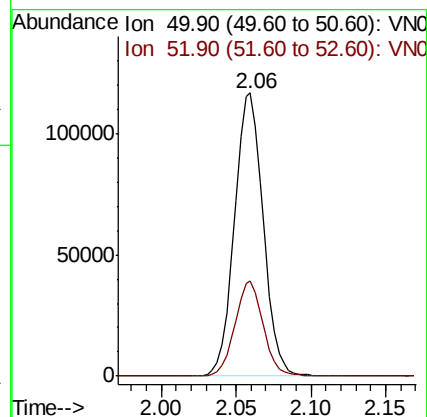
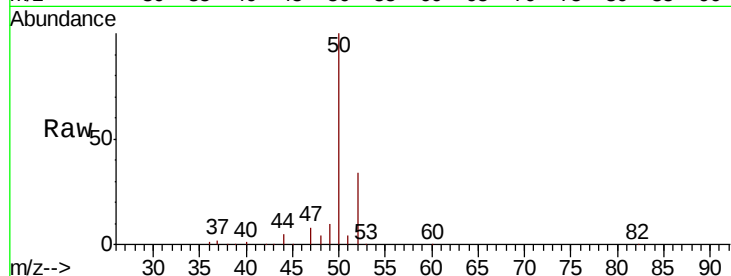
52 33.7 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:01 AM



#4

Vinyl Chloride

Concen: 20.386 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051452.D

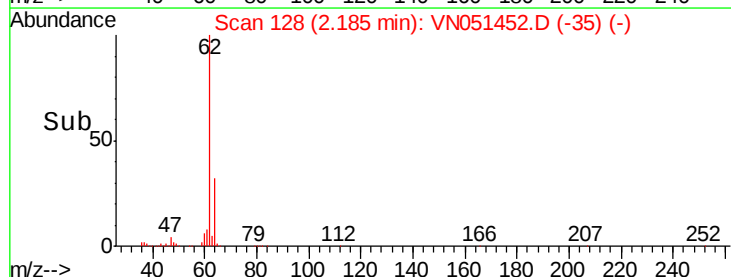
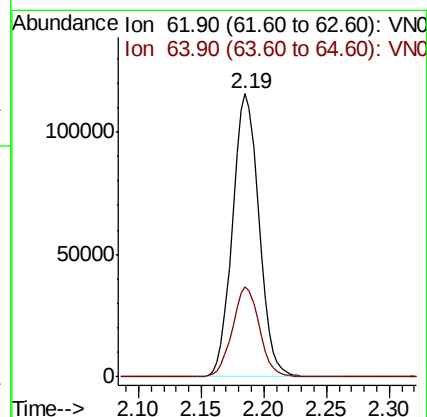
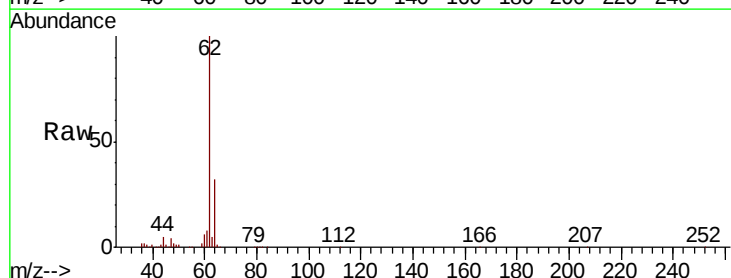
Acq: 24 Sep 2018 11:27

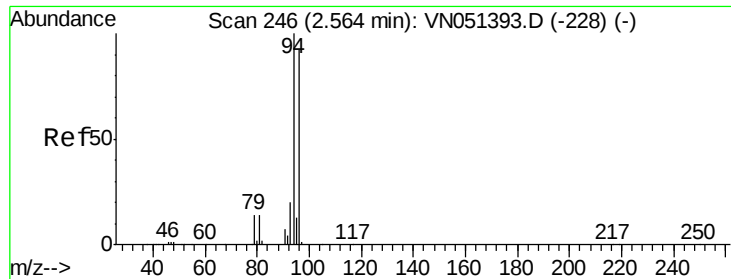
Tgt Ion: 62 Resp: 169995

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 21.975 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBSD01

Tot Ion: 94 Resp: 109649

Ion Ratio Lower Upper

94 100

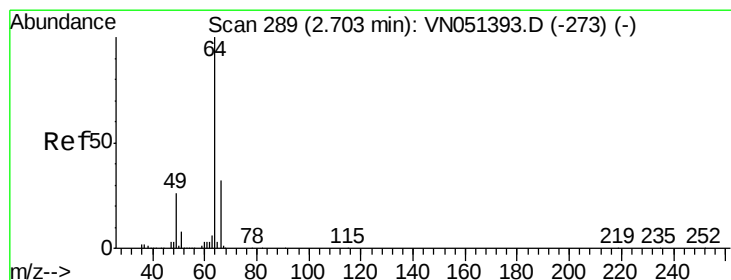
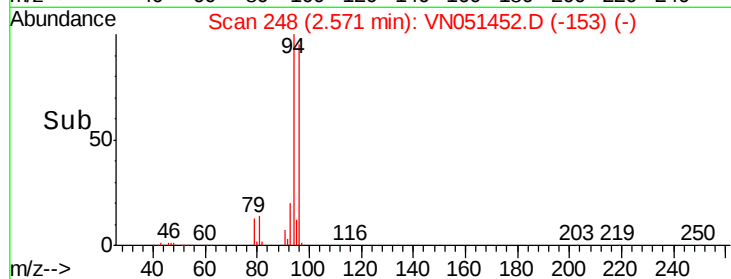
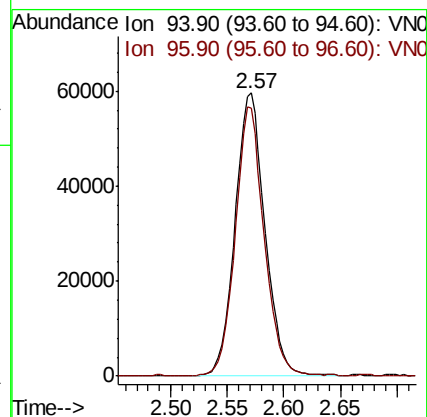
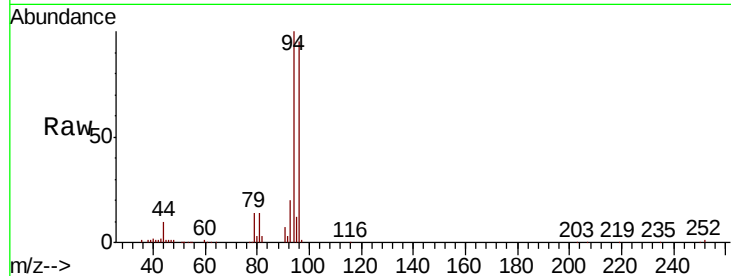
96 94.5 73.6 110.4

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:01 AM



#6

Chloroethane

Concen: 20.527 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051452.D

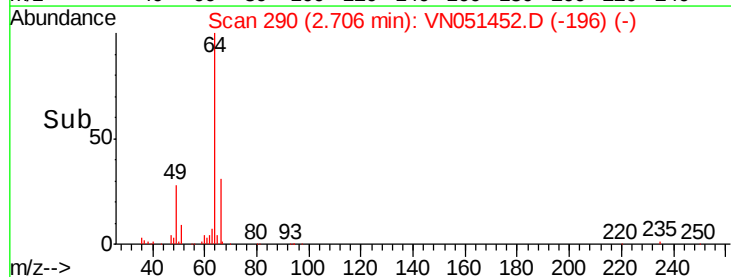
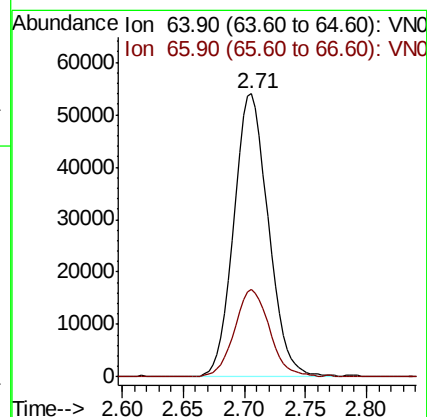
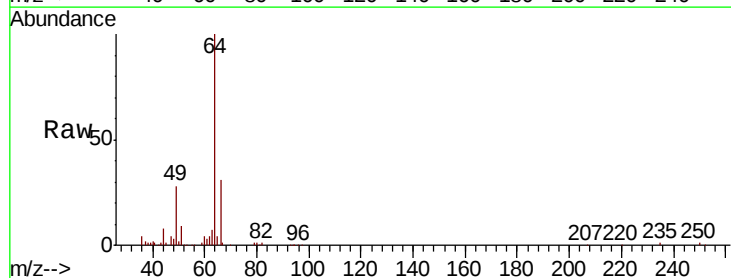
Acq: 24 Sep 2018 11:27

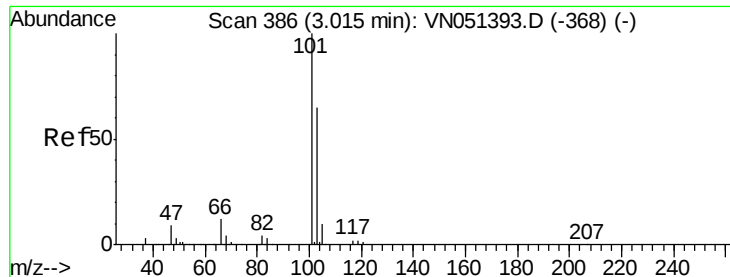
Tgt Ion: 64 Resp: 106660

Ion Ratio Lower Upper

64 100

66 30.8 25.9 38.9





#7

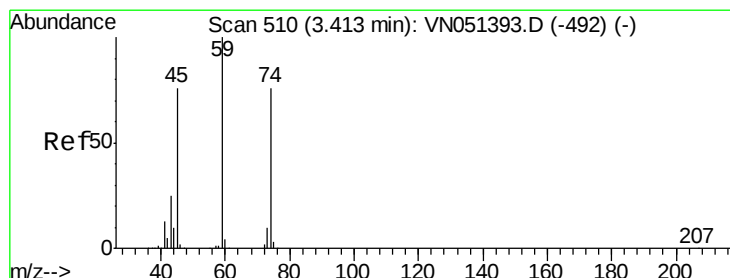
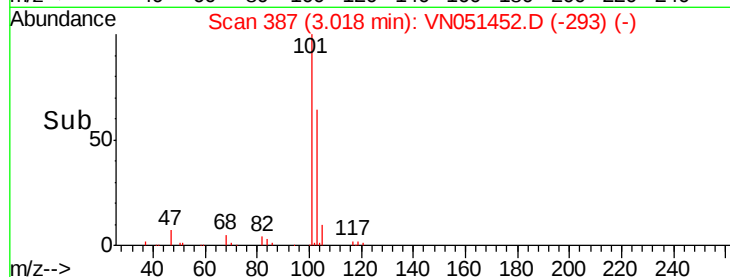
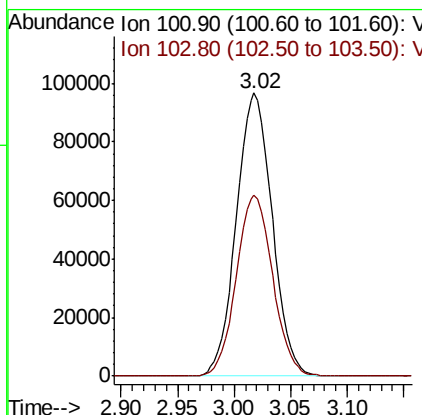
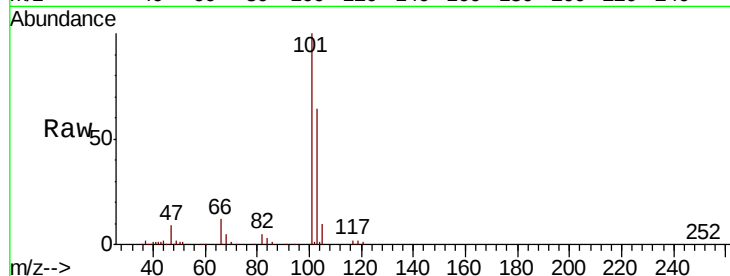
Trichlorofluoromethane
 Concen: 19.554 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.8	77.8

Manual Integrations
 APPROVED

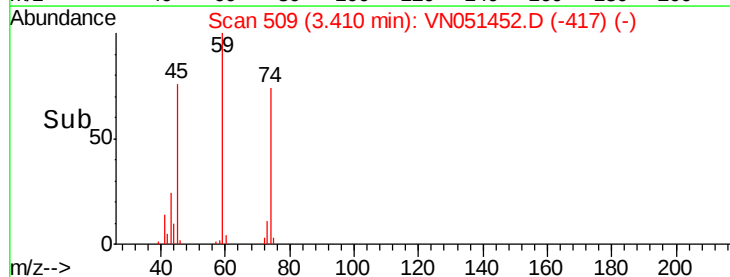
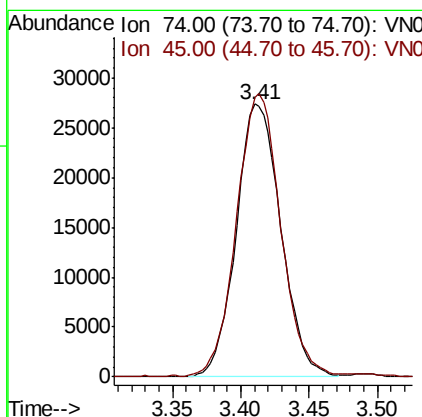
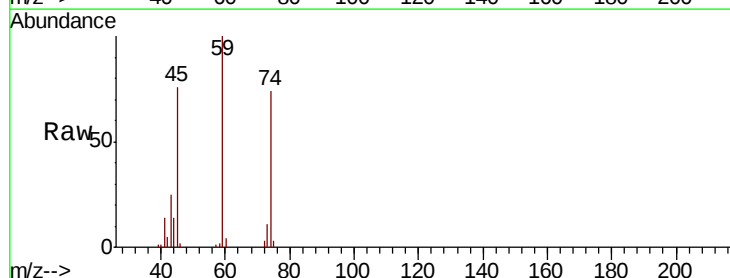
MMDadoda
 9/25/2018 11:31:01 AM

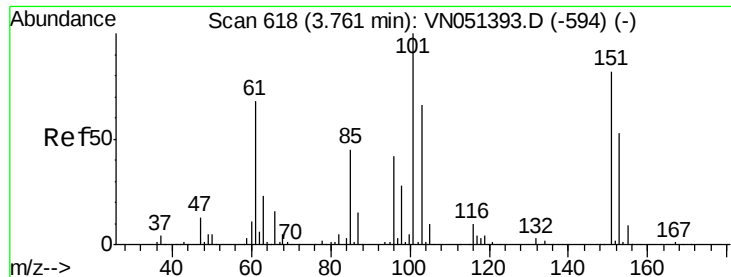


#8

Diethyl Ether
 Concen: 16.320 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	50.2	150.7





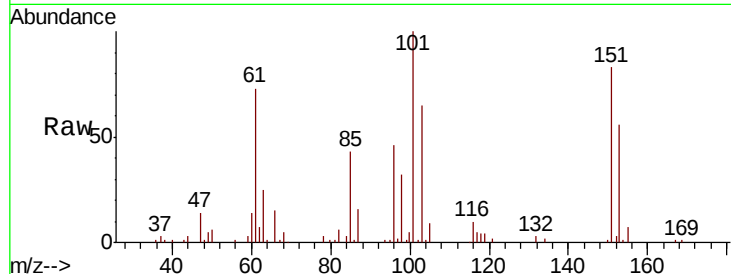
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.153 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	111901		
85	43.6	33.9	50.9	
151	83.6	65.2	97.8	

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:31:01 AM

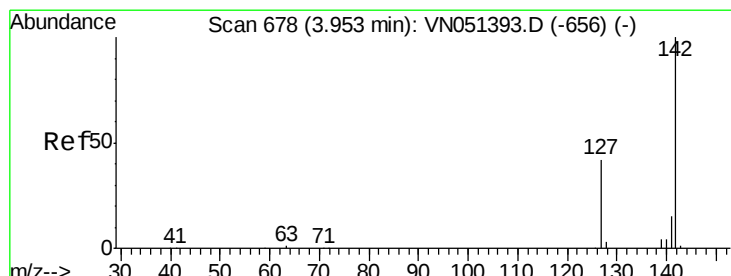
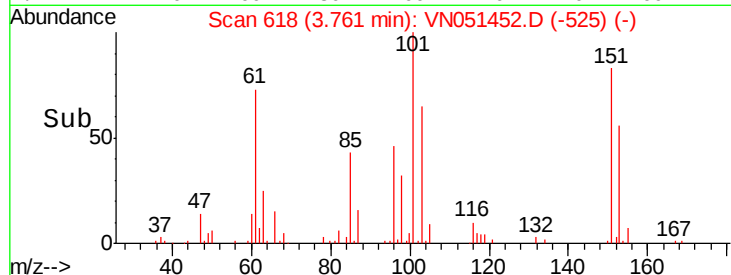
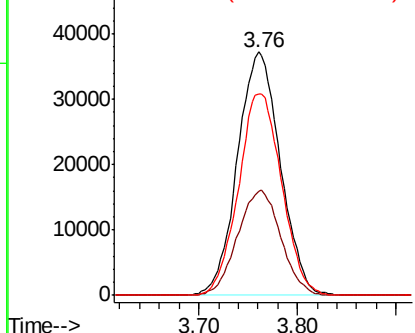


Abundance

Ion 100.90 (100.60 to 101.60): V

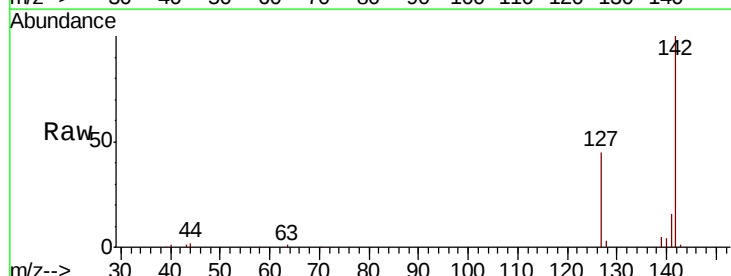
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 18.452 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	149660		
127	42.7	33.2	49.8	
141	14.4	11.5	17.3	

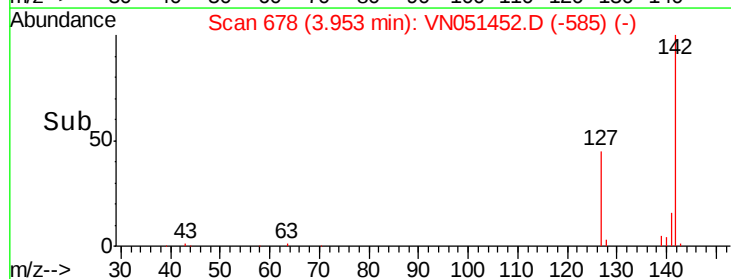
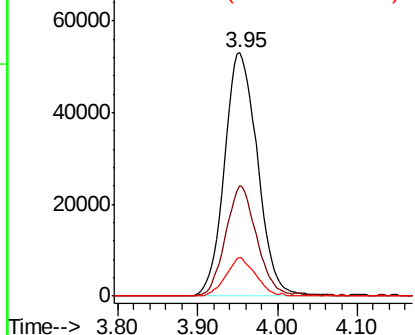


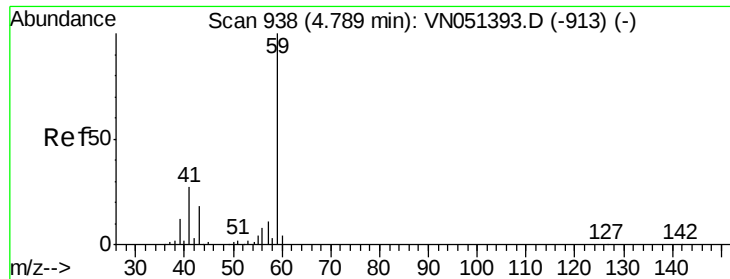
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

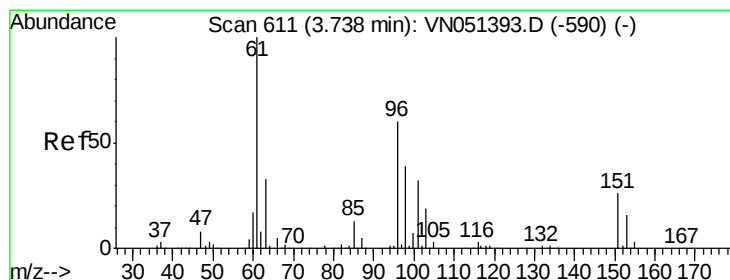
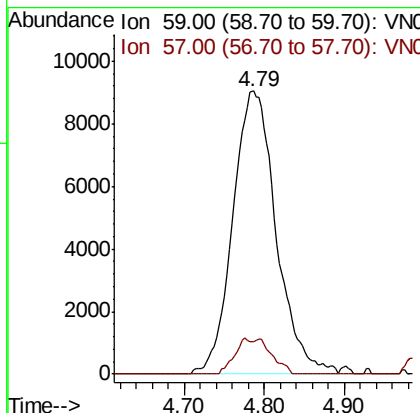
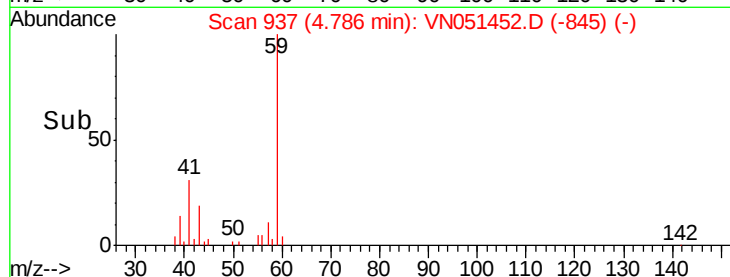
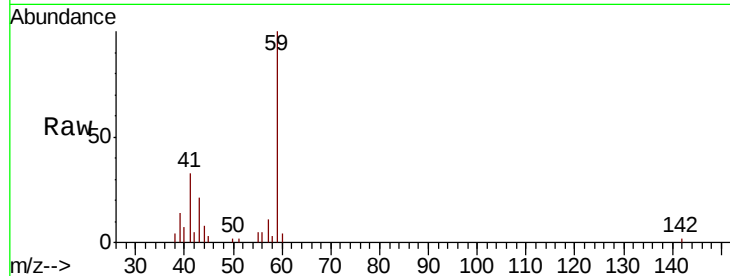
Tert butyl alcohol
Concen: 92.761 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	33362		
57	57	0.0	6.2	9.2#	

Manual Integrations
APPROVED

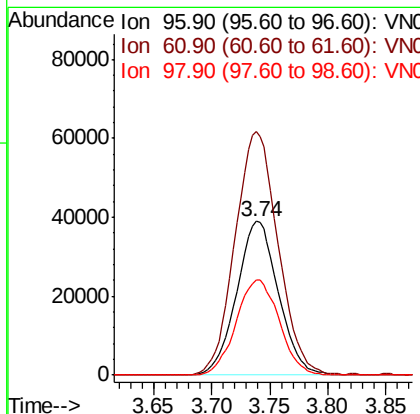
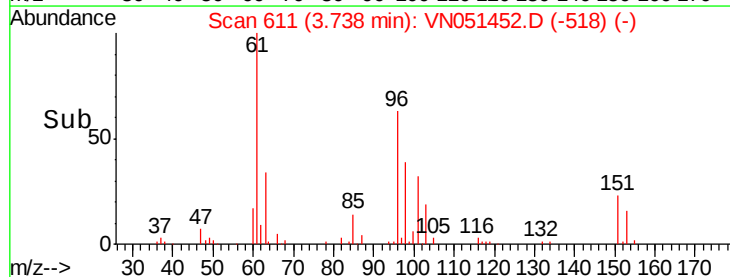
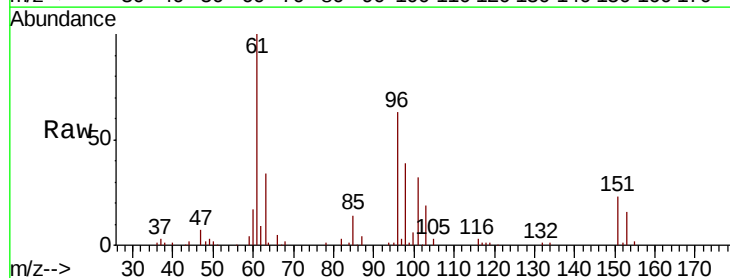
MMDadoda
9/25/2018 11:31:01 AM

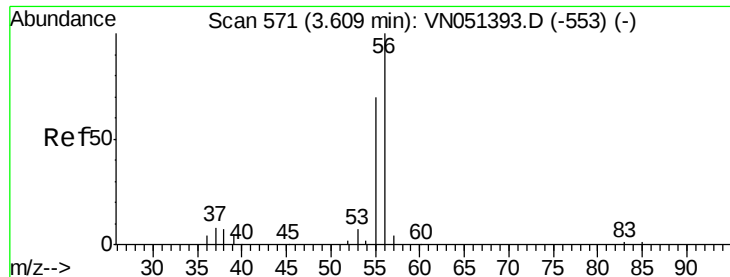


#12

1,1-Dichloroethene
Concen: 17.212 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	97420		
61	61	158.2	133.6	200.4	
98	98	62.1	52.2	78.2	





#13

Acrolein

Concen: 86.941 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0924MBSD01

Tot Ion: 56 Resp: 31050

Ion Ratio Lower Upper

56 100

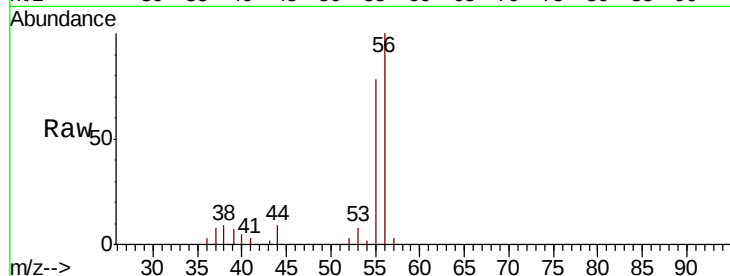
55 72.5 57.8 86.8

Manual Integrations

APPROVED

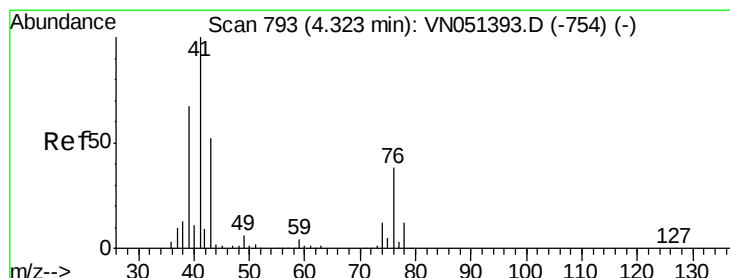
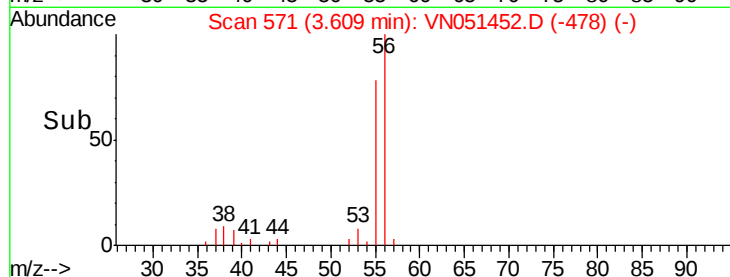
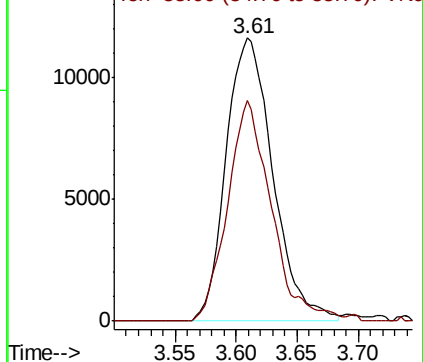
MMDadoda

9/25/2018 11:31:01 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.115 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

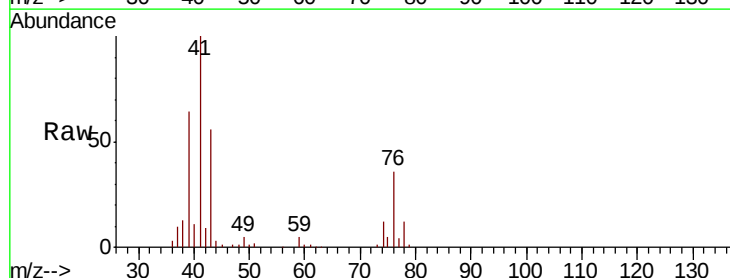
Tgt Ion: 41 Resp: 172028

Ion Ratio Lower Upper

41 100

39 64.0 51.4 77.2

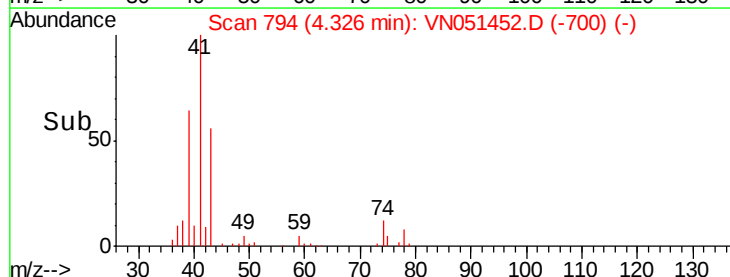
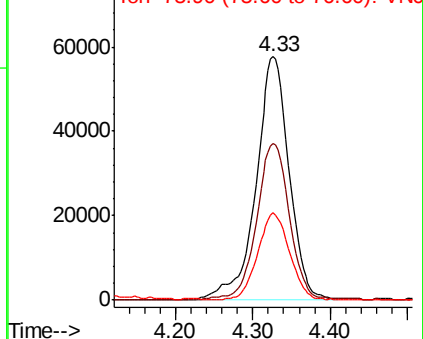
76 34.4 28.1 42.1

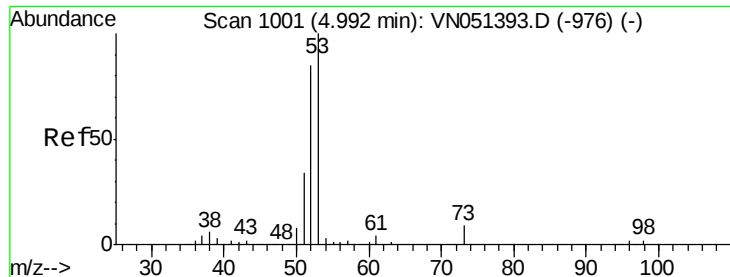


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 92.445 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

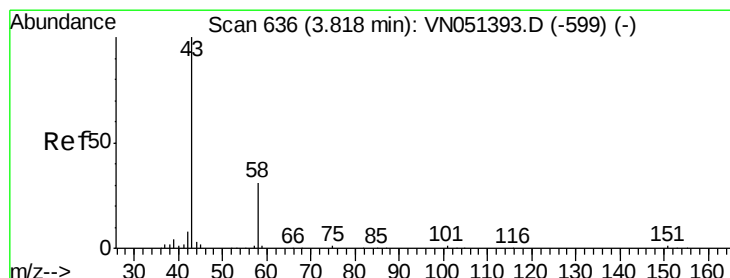
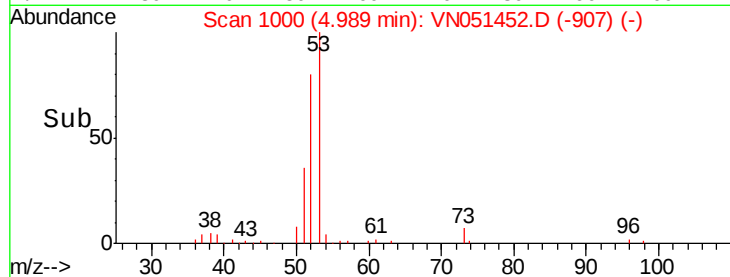
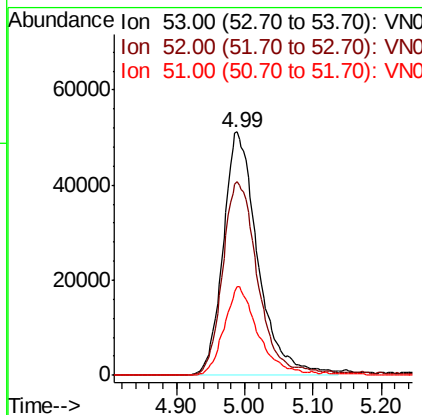
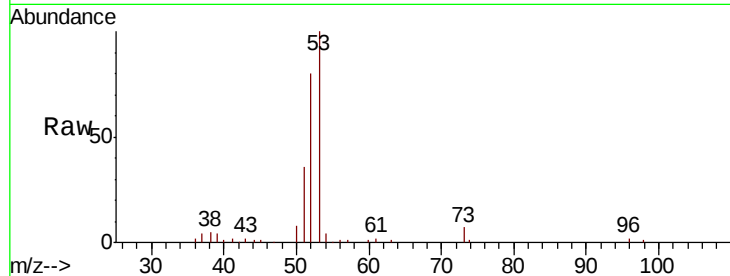
ClientSampleId :

VN0924MBSD01

Tot Ion:	53	Resp:	180865
Ion Ratio		Lower	Upper
53	100		
52	80.5	66.2	99.2
51	35.5	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:01 AM



#16

Acetone

Concen: 72.460 ug/l

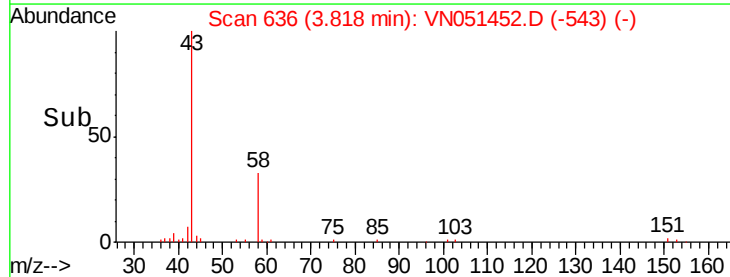
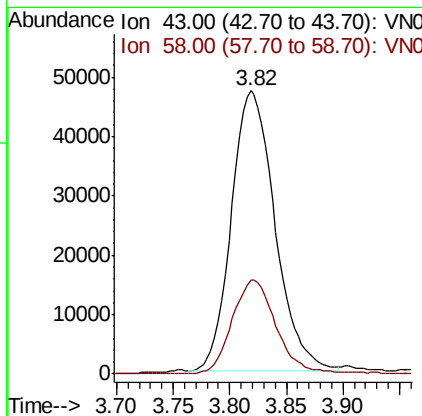
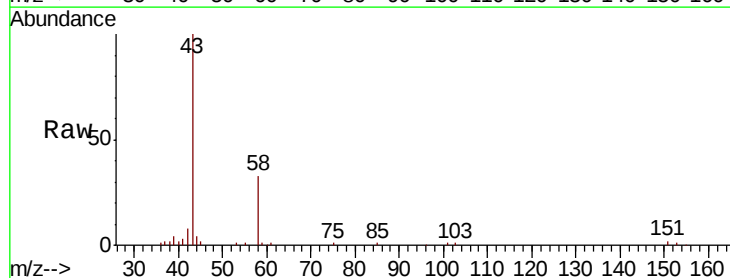
RT: 3.82 min Scan# 636

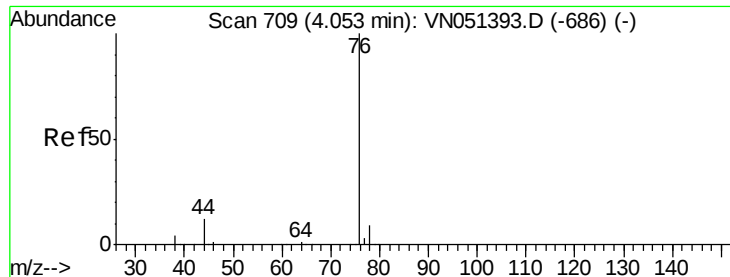
Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Tgt Ion:	43	Resp:	126810
Ion Ratio		Lower	Upper
43	100		
58	33.6	25.0	37.4





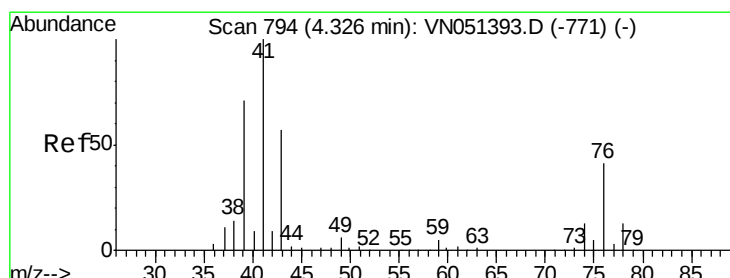
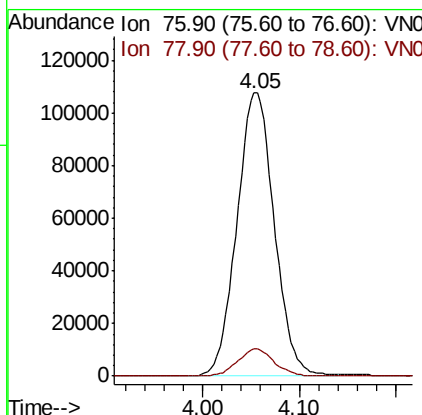
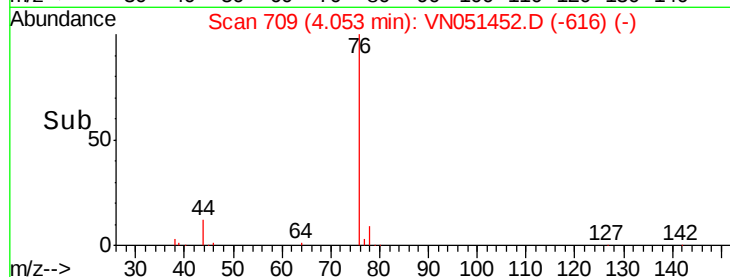
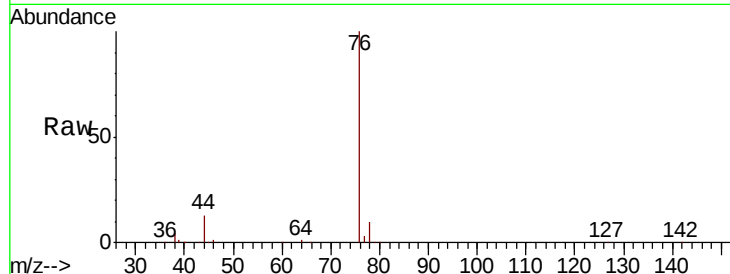
#17
Carbon Disulfide
Concen: 17.388 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.6	7.3	10.9	

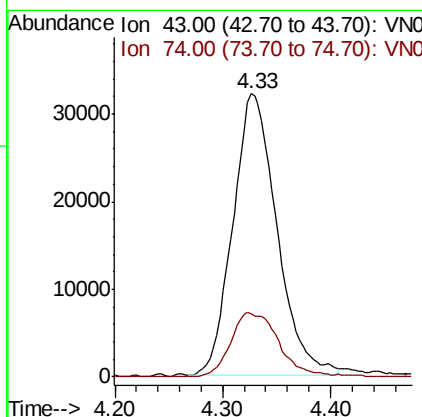
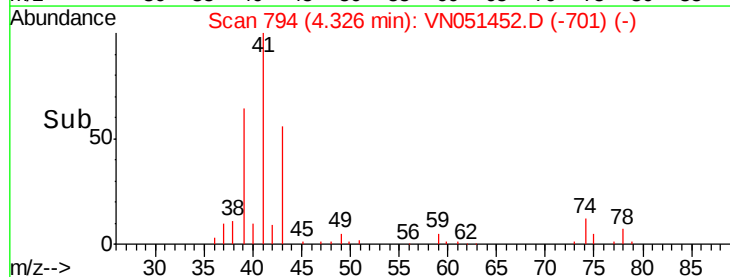
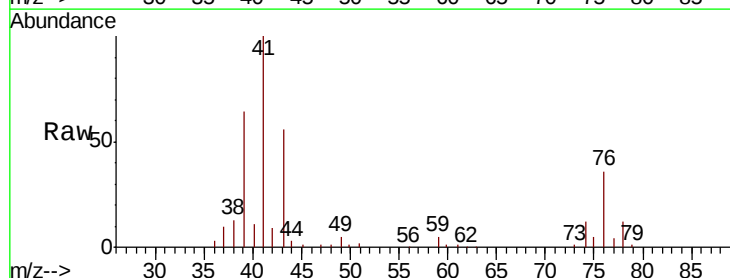
Manual Integrations
APPROVED

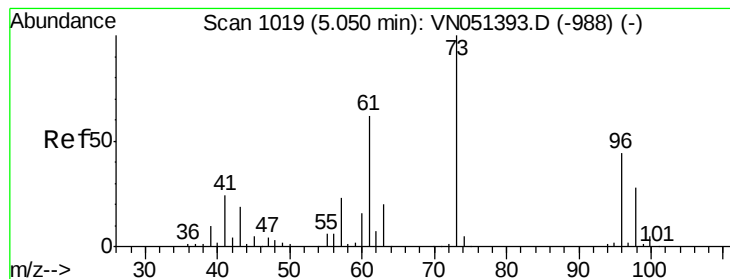
MMDadoda
9/25/2018 11:31:01 AM



#18
Methyl Acetate
Concen: 18.758 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	24.8	18.8	28.2	





#19

Methyl tert-butyl Ether

Concen: 18.713 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBSD01

Tot Ion: 73 Resp: 273126

Ion Ratio Lower Upper

73 100

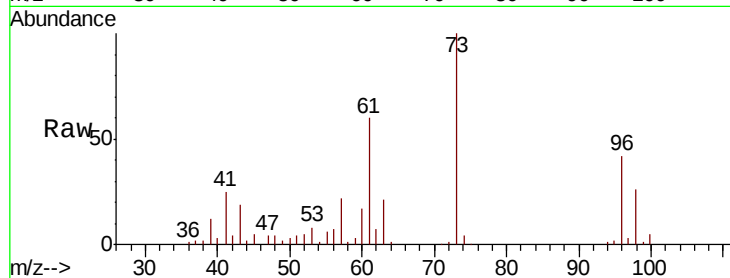
57 22.2 18.3 27.5

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:01 AM



Abundance Ion 73.00 (72.70 to 73.70): VN051393.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN051393.D (-988) (-)

5.05

80000

60000

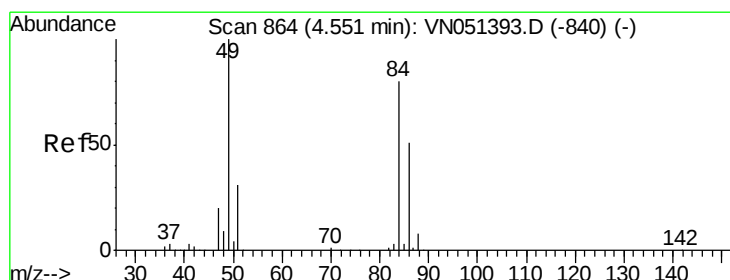
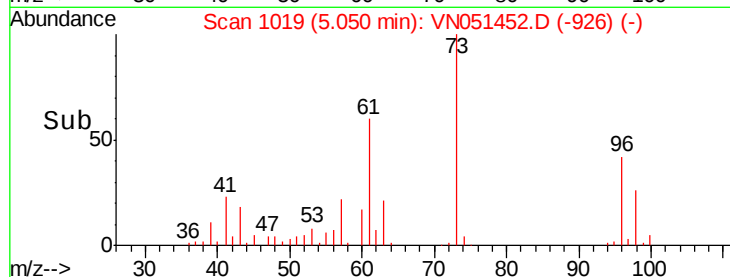
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 19.118 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Tgt Ion: 84 Resp: 120558

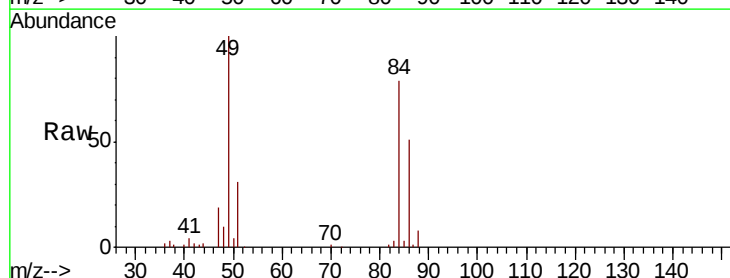
Ion Ratio Lower Upper

84 100

49 126.3 99.9 149.9

51 39.4 31.4 47.2

86 65.0 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VN051393.D (-840) (-)

Ion 48.90 (48.60 to 49.60): VN051393.D (-840) (-)

Ion 50.90 (50.60 to 51.60): VN051393.D (-840) (-)

Ion 85.90 (85.60 to 86.60): VN051393.D (-840) (-)

4.55

60000

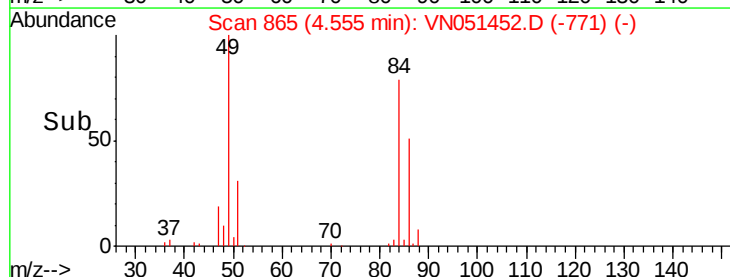
40000

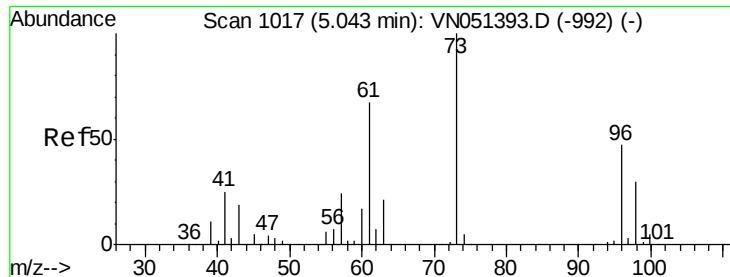
20000

0

Time-->

4.40 4.50 4.60 4.70





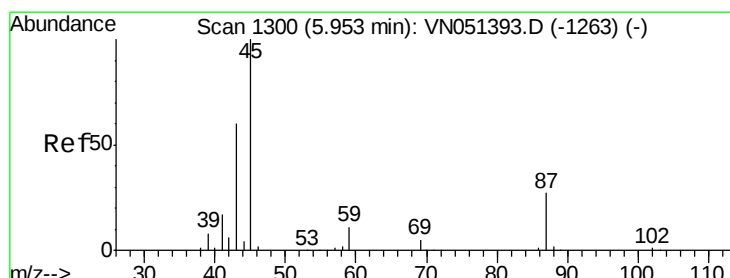
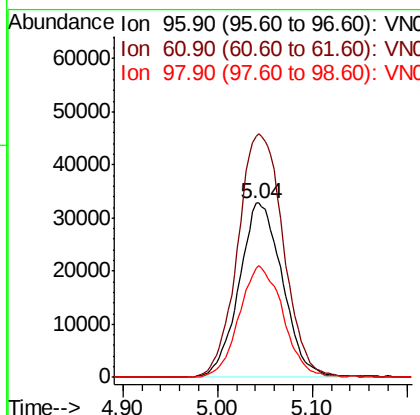
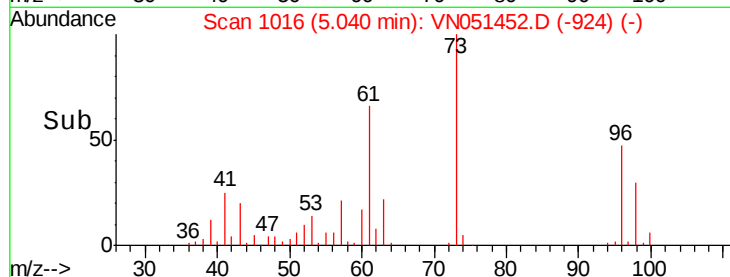
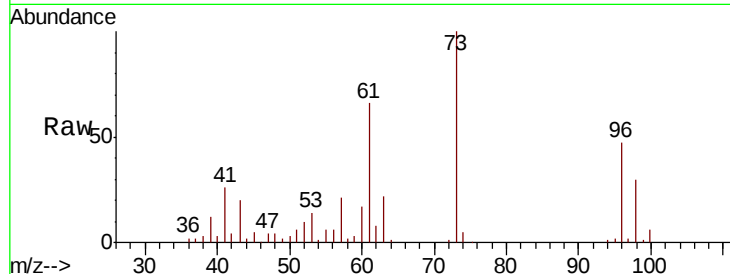
#21
trans-1,2-Dichloroethene
Concen: 18.091 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	113.4	170.2
98	62.5	51.1	76.7

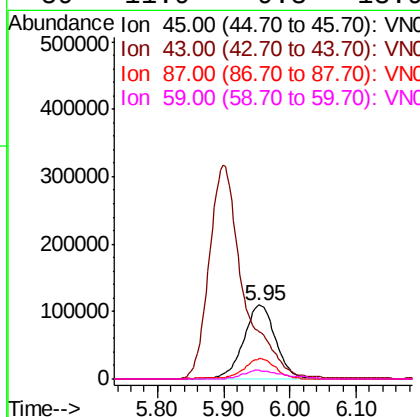
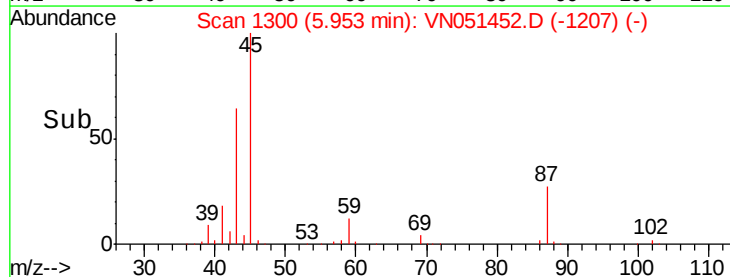
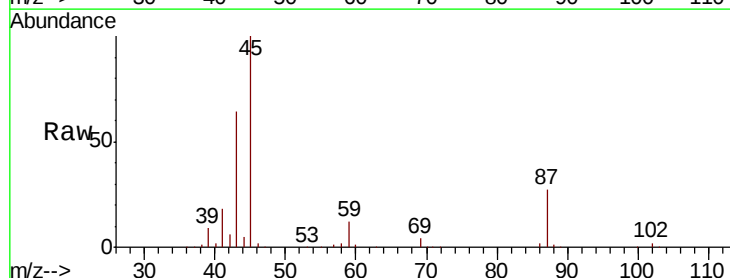
Manual Integrations
APPROVED

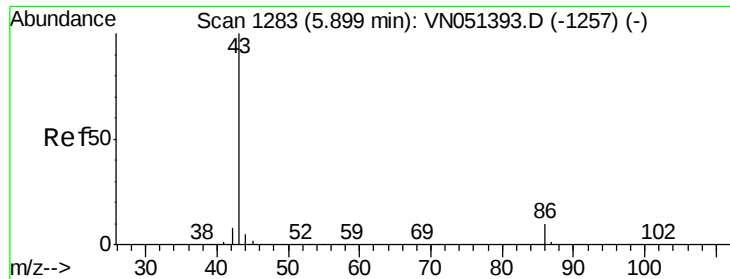
MMDadoda
9/25/2018 11:31:01 AM



#22
Diisopropyl ether
Concen: 20.077 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	47.7	71.5
87	27.2	22.0	33.0
59	11.9	9.3	13.9





#23

Vinyl Acetate

Concen: 94.301 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0924MBSD01

Tot Ion: 43 Resp: 1136455

Ion Ratio Lower Upper

43 100

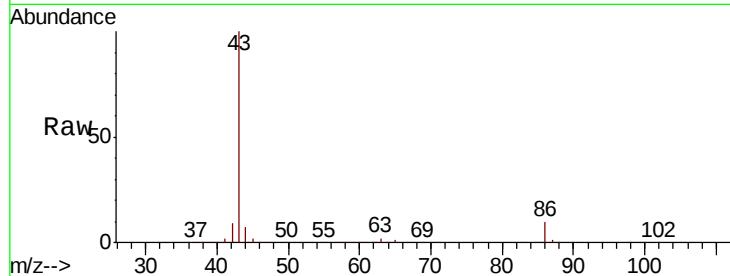
86 10.1 8.2 12.2

Manual Integrations

APPROVED

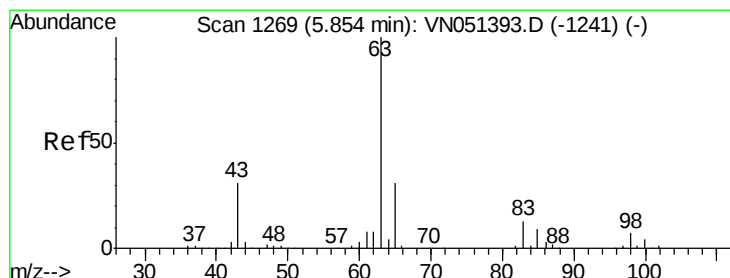
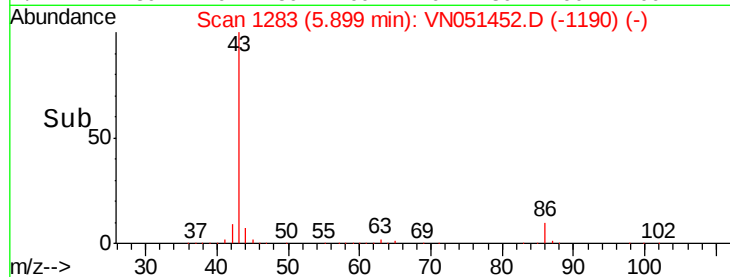
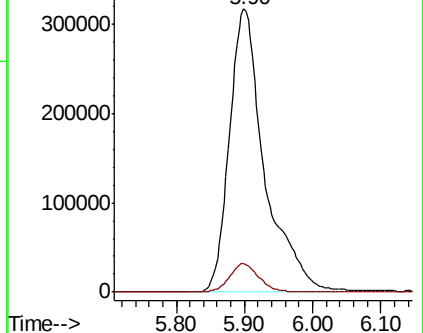
MMDadoda

9/25/2018 11:31:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.772 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

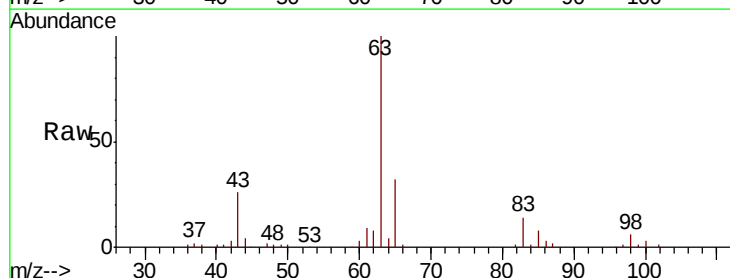
Tgt Ion: 63 Resp: 216548

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

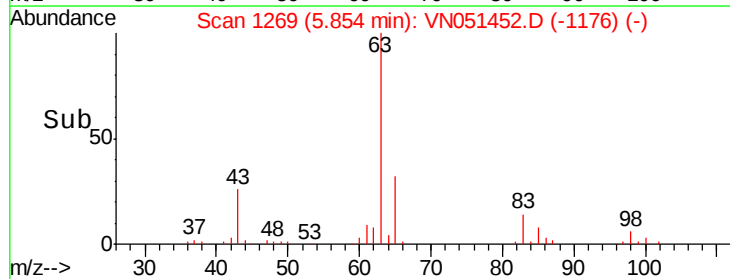
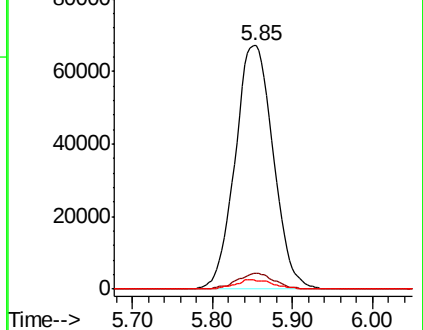
100 3.4 2.2 6.6

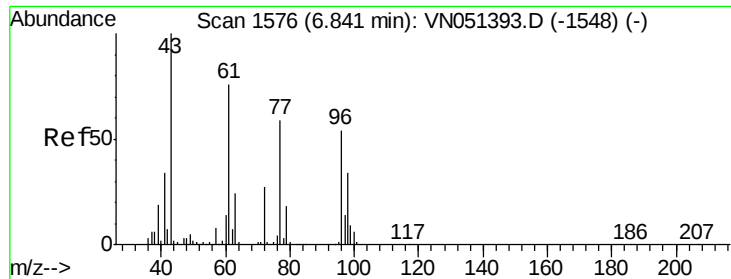


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 90.537 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBSD01

Tot Ion: 43 Resp: 197479

Ion Ratio Lower Upper

43 100

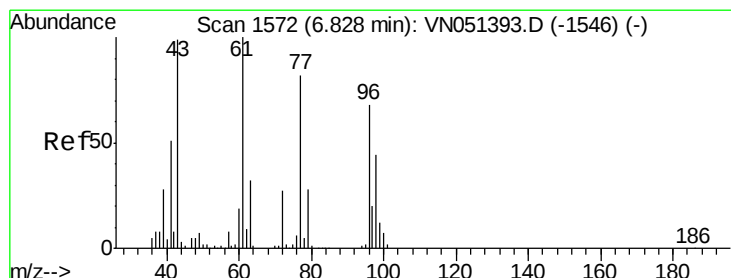
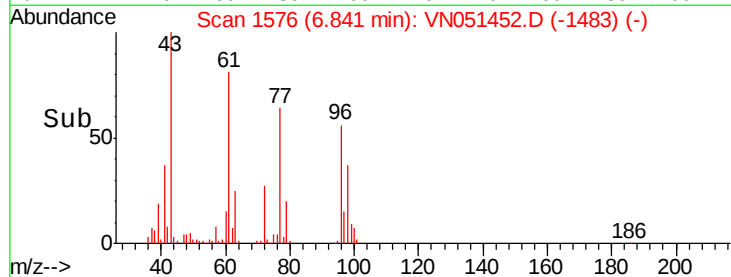
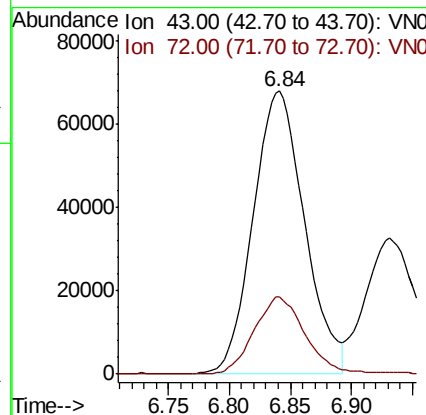
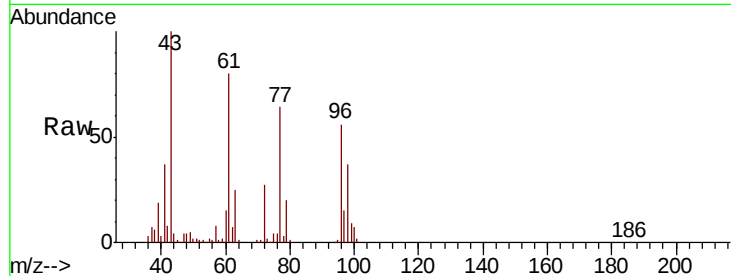
72 27.3 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:01 AM



#26

2,2-Dichloropropane

Concen: 20.431 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051452.D

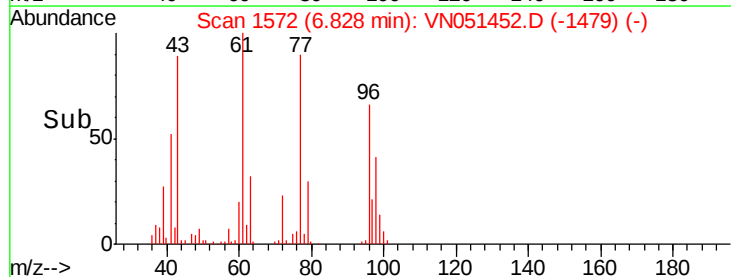
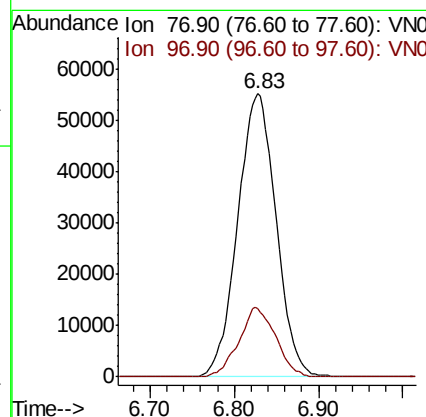
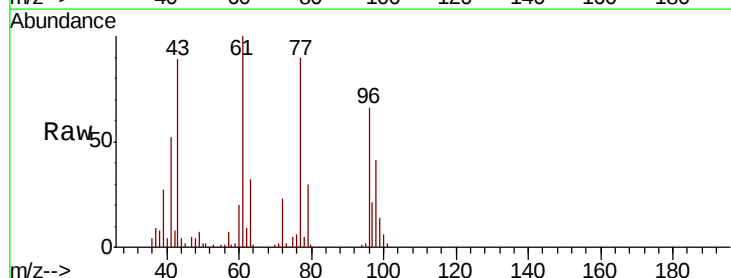
Acq: 24 Sep 2018 11:27

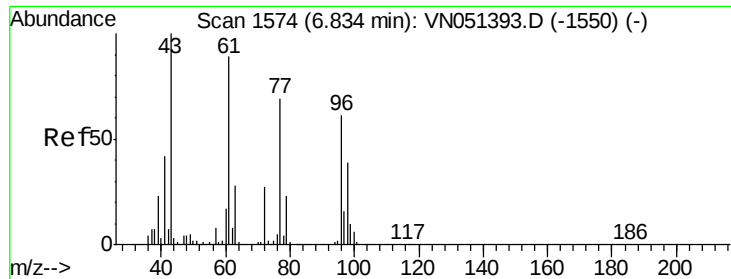
Tgt Ion: 77 Resp: 174676

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.362 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

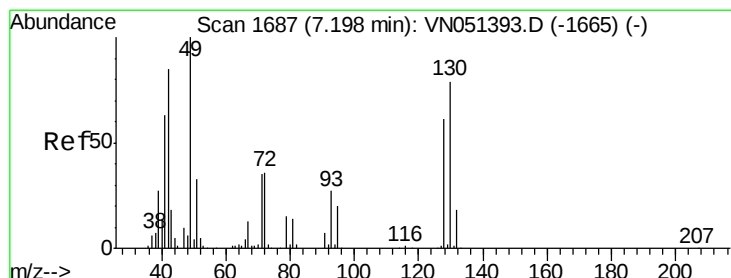
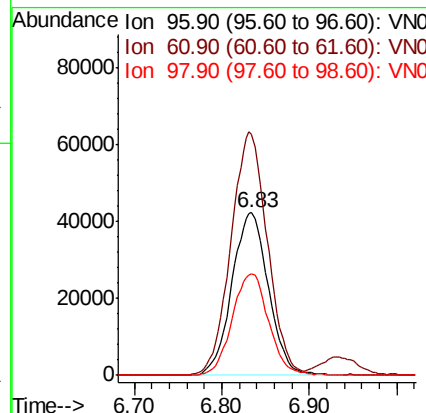
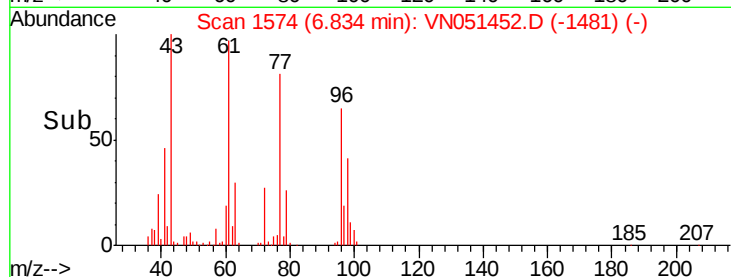
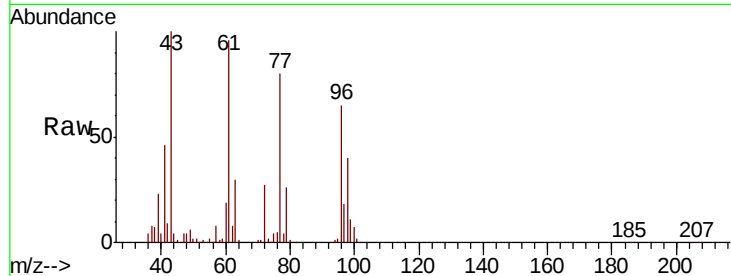
ClientSampleId :

VN0924MBSD01

Tot Ion:	96	Resp:	123013
Ion Ratio	Lower	Upper	
96	100		
61	148.2	0.0	291.4
98	62.1	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:01 AM



#28

Bromochloromethane

Concen: 19.005 ug/l

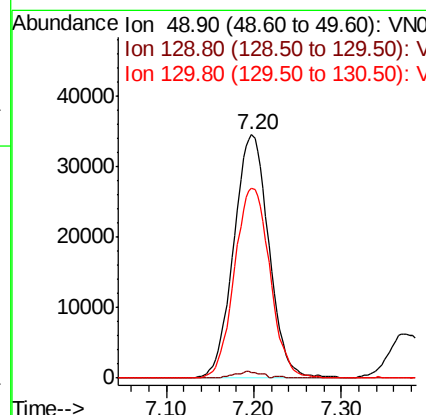
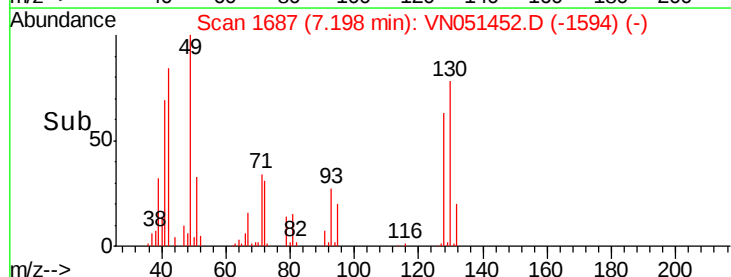
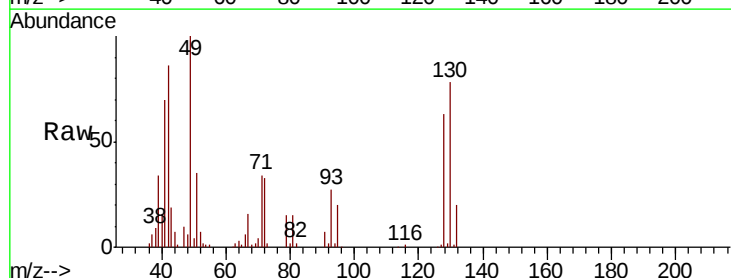
RT: 7.20 min Scan# 1687

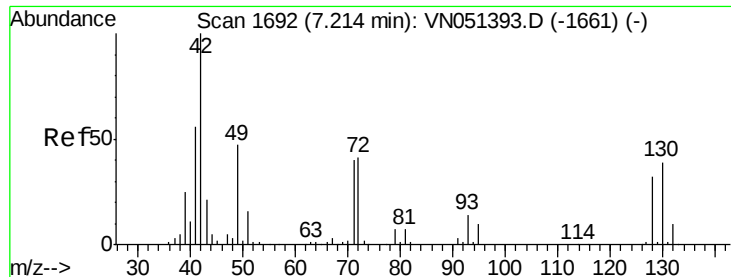
Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Tgt Ion:	49	Resp:	96122
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.8
130	78.8	63.0	94.4





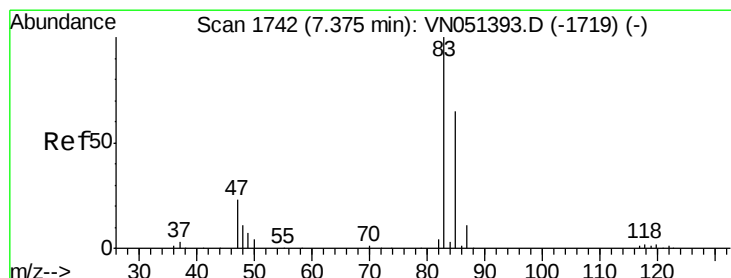
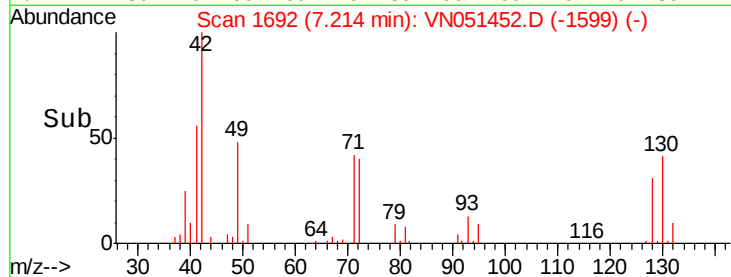
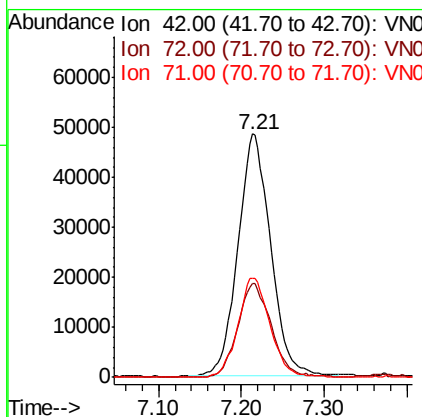
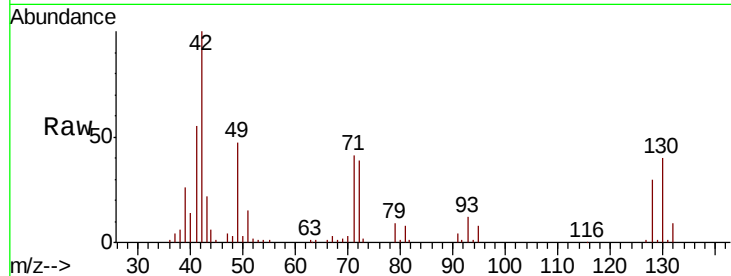
#29
Tetrahydrofuran
Concen: 96.465 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	34.3	51.5
71	39.9	32.2	48.4

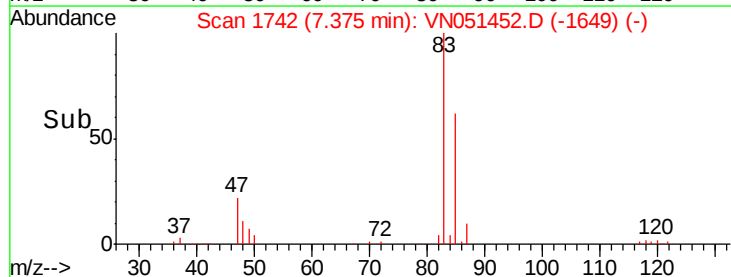
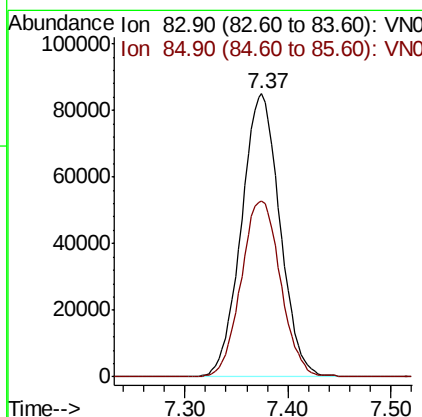
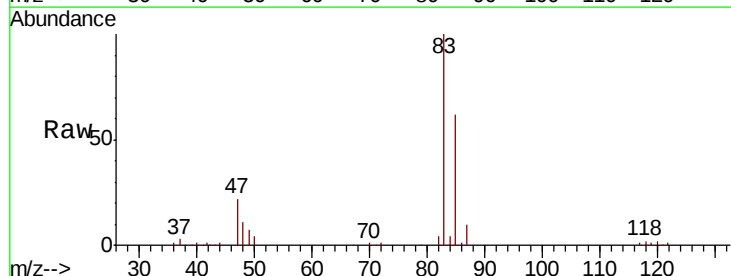
Manual Integrations
APPROVED

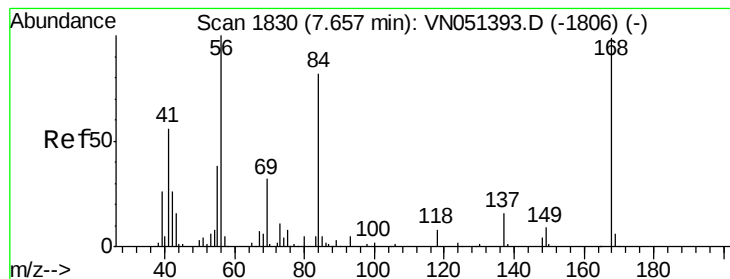
MMDadoda
9/25/2018 11:31:01 AM



#30
Chloroform
Concen: 20.299 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.8	77.6





#31

Cyclohexane

Concen: 18.817 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBSD01

Tot Ion: 56 Resp: 188823

Ion Ratio Lower Upper

56 100

69 36.7 25.8 38.6

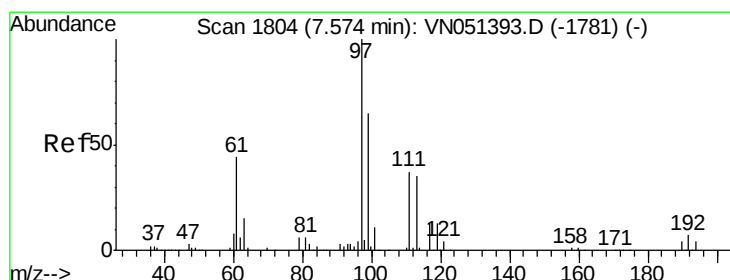
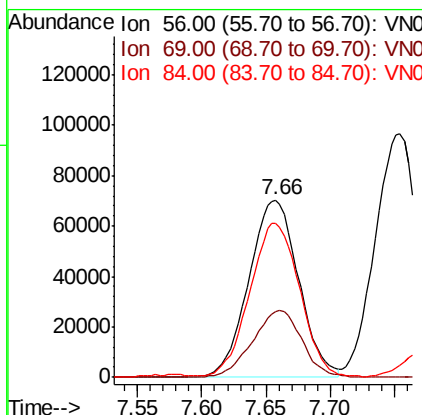
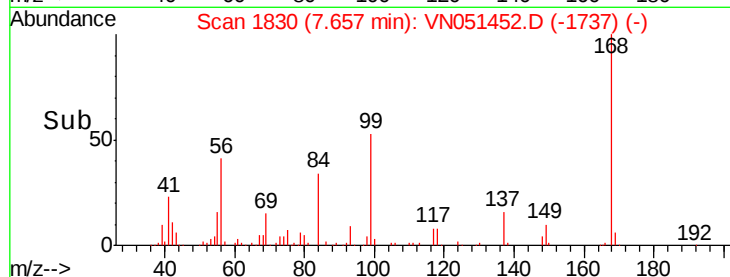
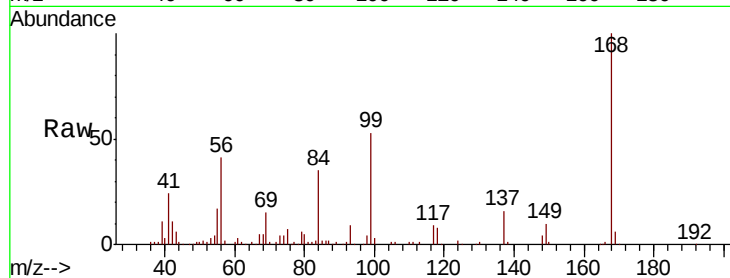
84 85.5 66.0 99.0

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:01 AM



#32

1,1,1-Trichloroethane

Concen: 20.495 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

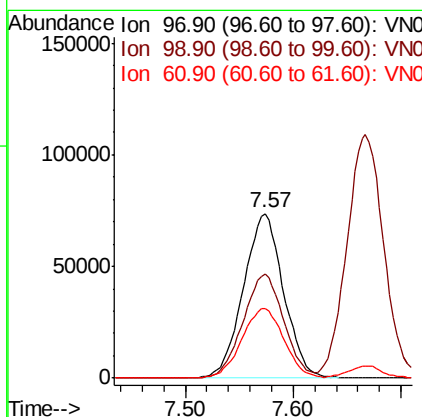
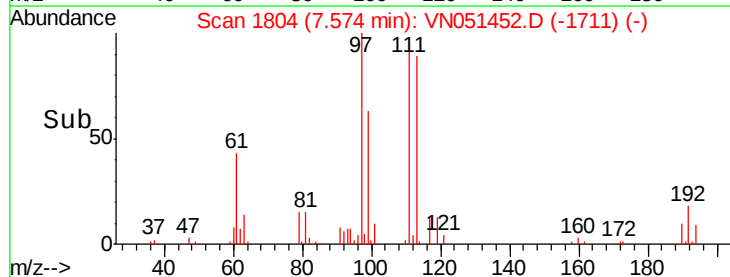
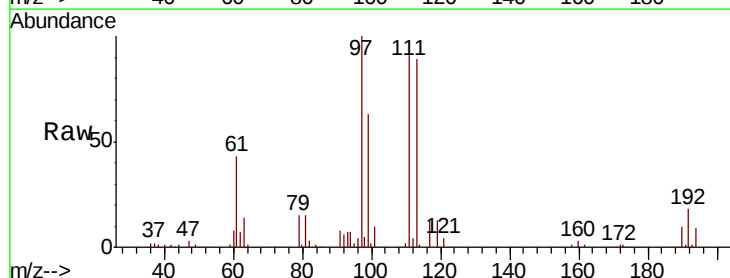
Tgt Ion: 97 Resp: 190147

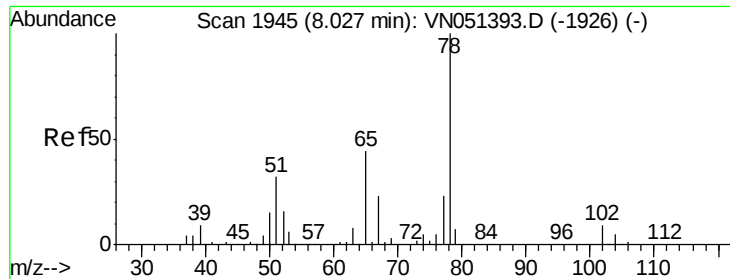
Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.0

61 44.6 35.8 53.8





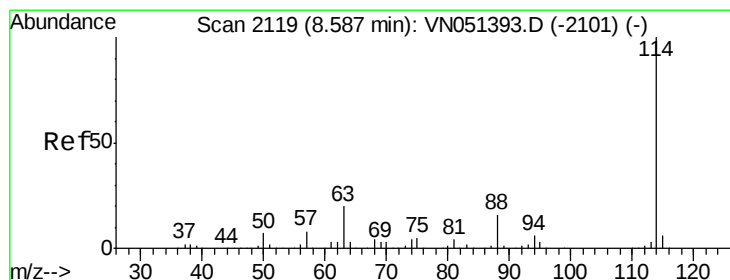
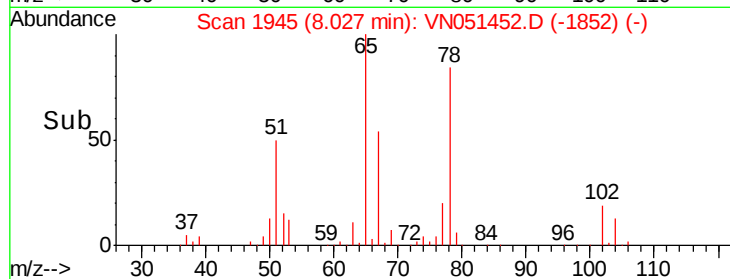
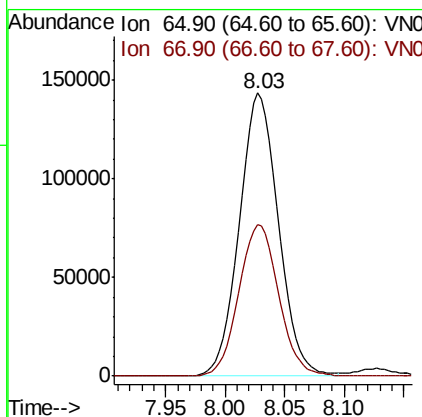
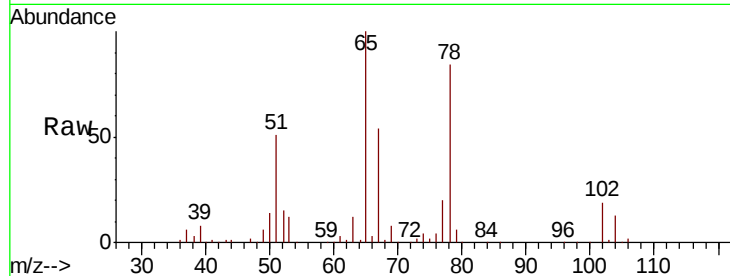
#33
 1,2-Dichloroethane-d4
 Concen: 51.251 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	326603		
67	54.6	0.0	107.8	

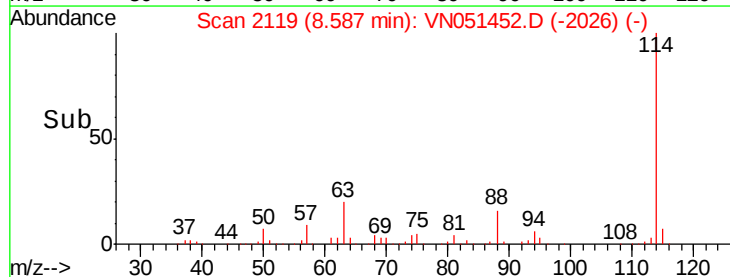
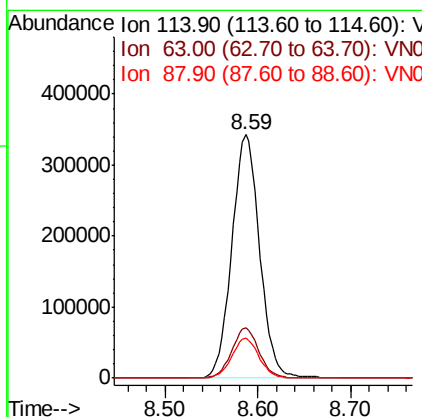
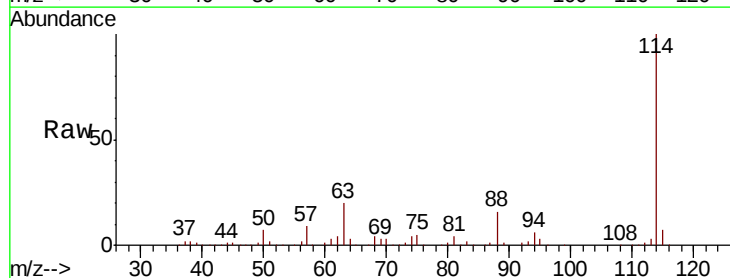
Manual Integrations
 APPROVED

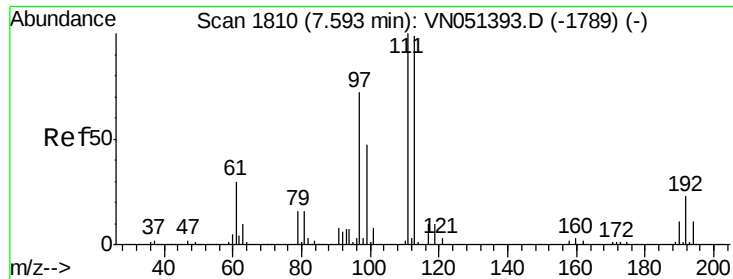
MMDadoda
 9/25/2018 11:31:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	711541		
63	20.5	0.0	40.2	
88	16.3	0.0	31.4	





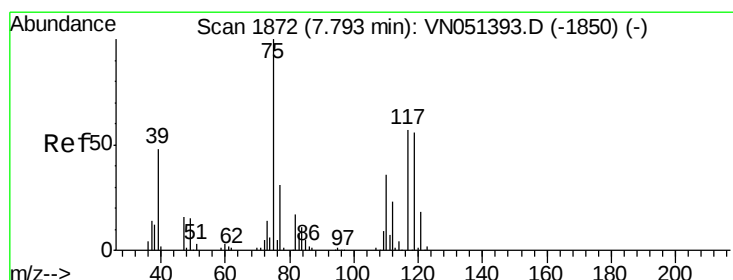
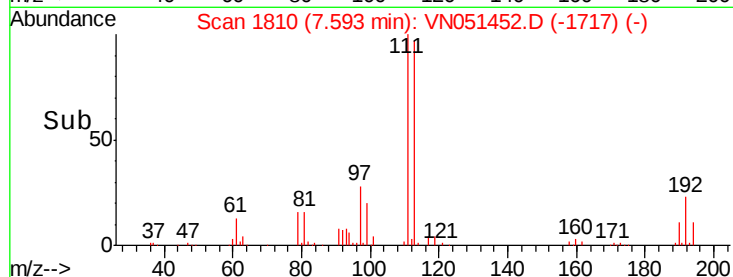
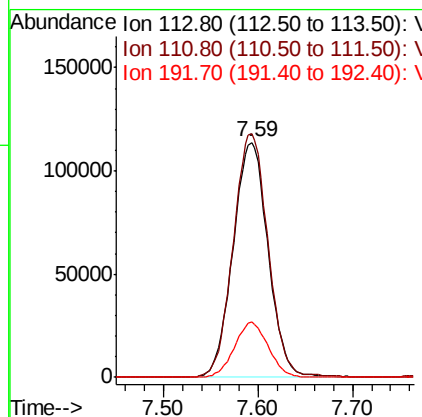
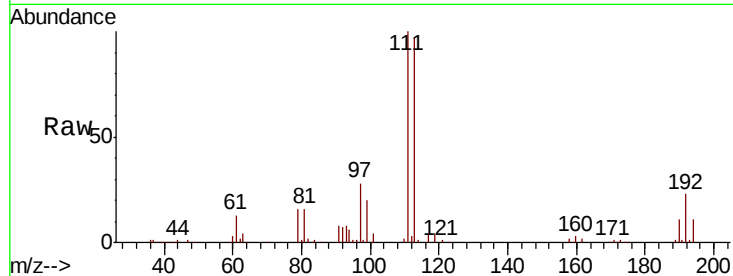
#35
Dibromofluoromethane
Concen: 51.517 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	293124		
111	103.2	82.6	123.8	
192	22.6	18.0	27.0	

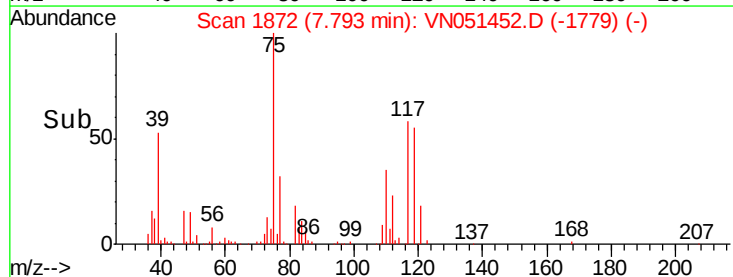
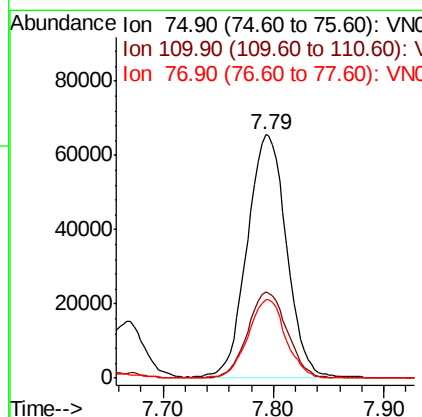
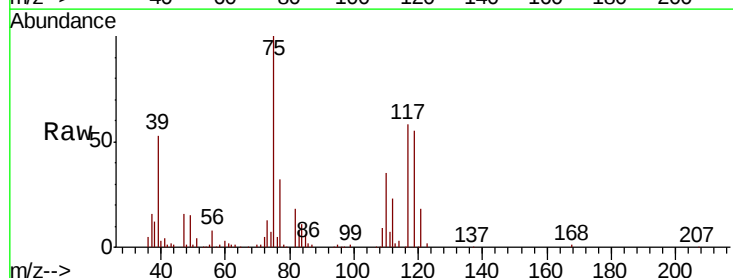
Manual Integrations
APPROVED

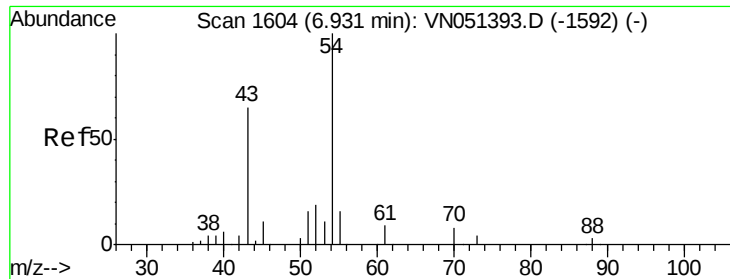
MMDadoda
9/25/2018 11:31:01 AM



#36
1,1-Dichloropropene
Concen: 19.531 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	160930		
110	35.6	18.1	54.3	
77	31.3	25.6	38.4	





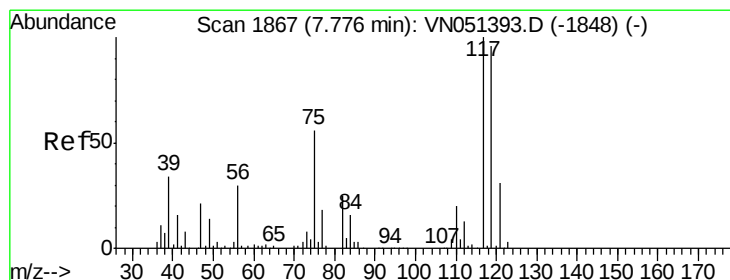
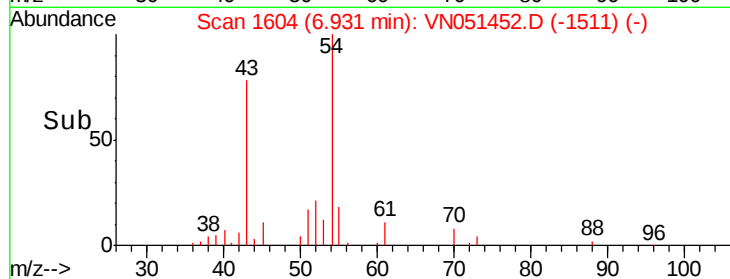
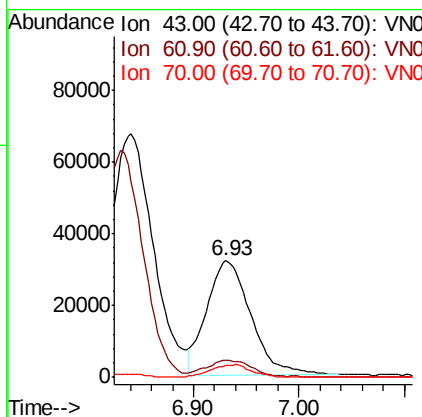
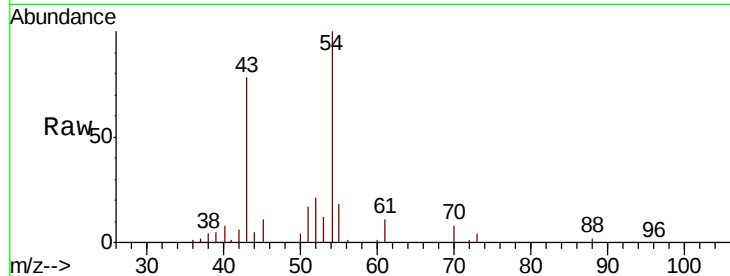
#37
Ethyl Acetate
Concen: 19.810 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	43	61	70
Resp	93853		
Ratio	100	14.4	10.1
Lower		11.5	7.9
Upper		17.3	11.9

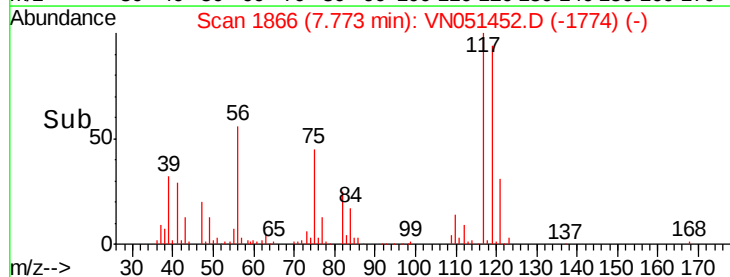
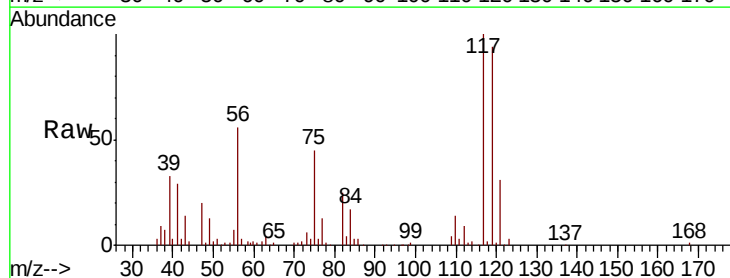
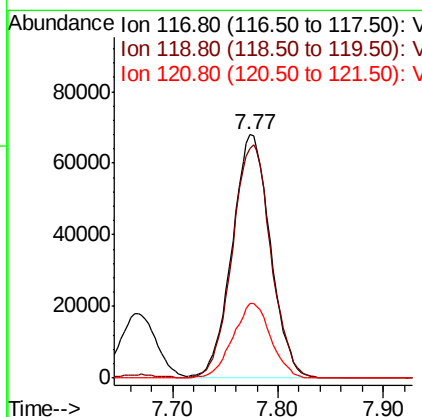
Manual Integrations
APPROVED

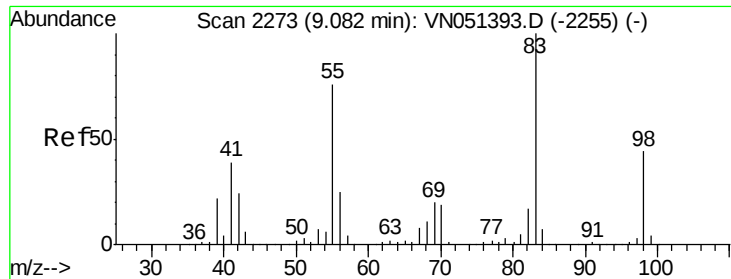
MMDadoda
9/25/2018 11:31:01 AM



#38
Carbon Tetrachloride
Concen: 19.865 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	117	119	121
Resp	171203		
Ratio	100	94.2	30.6
Lower		76.9	24.6
Upper		115.3	37.0





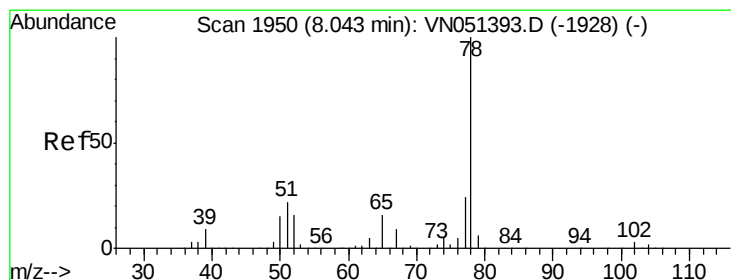
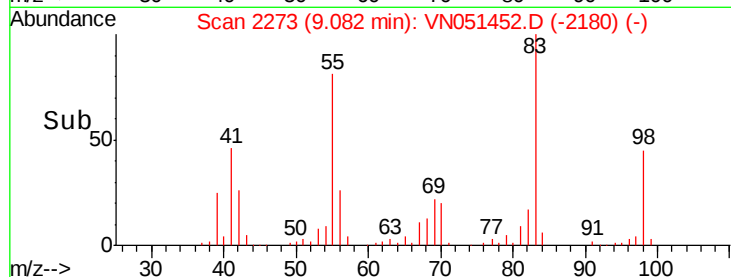
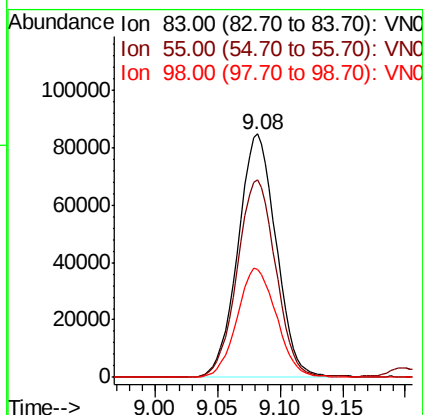
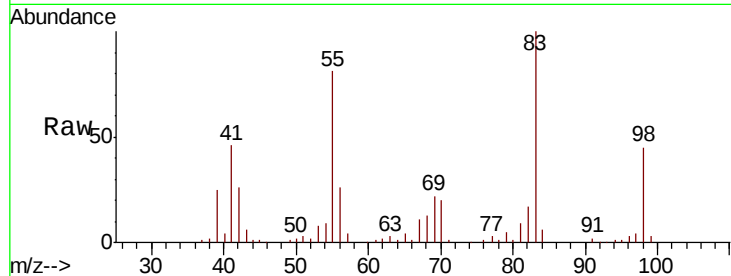
#39
Methvlcvclohexane
Concen: 18.631 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	61.0	91.4
98	44.5	35.6	53.4

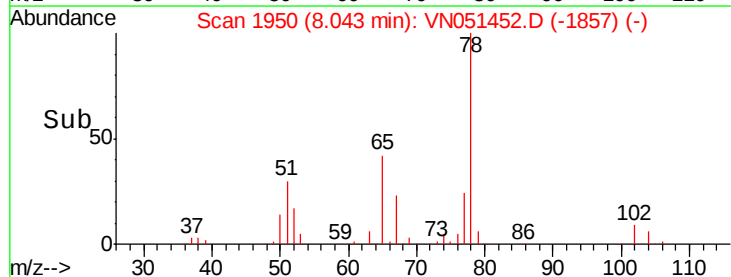
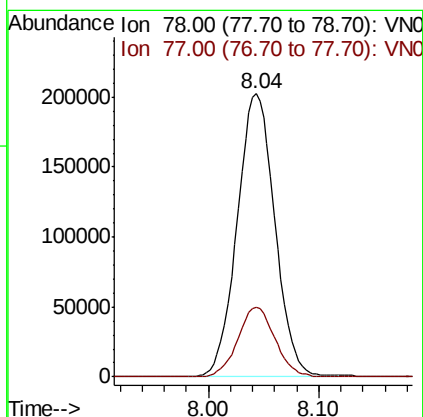
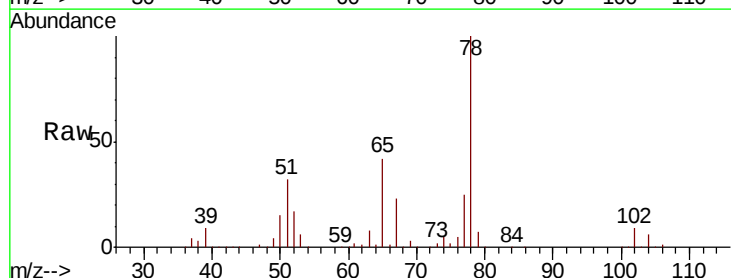
Manual Integrations
APPROVED

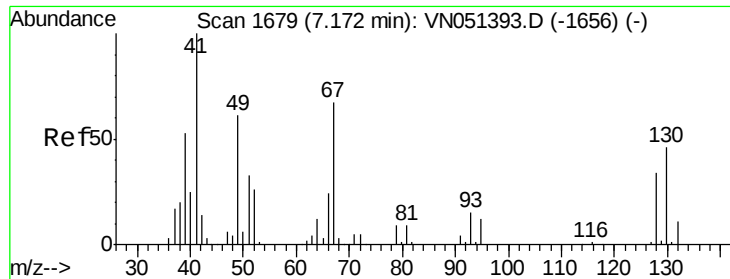
MMDadoda
9/25/2018 11:31:01 AM



#40
Benzene
Concen: 19.816 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8





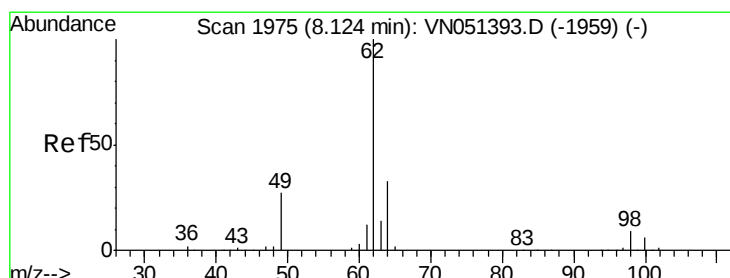
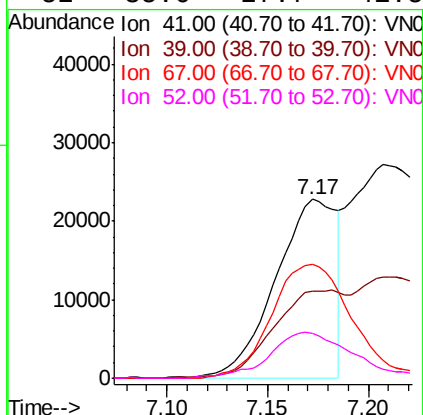
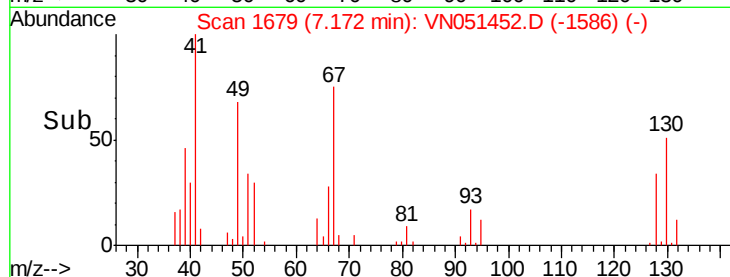
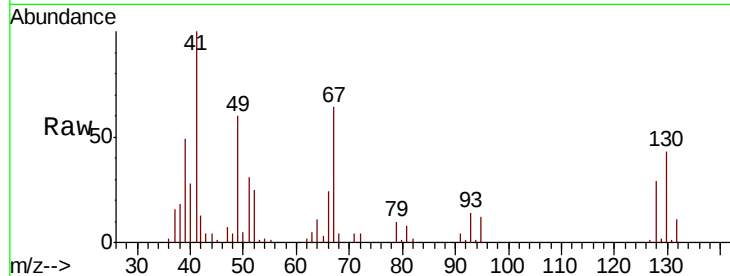
#41
Methacrylonitrile
Concen: 18.188 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	41	Resp	47672
Ion	Ratio	Lower	Upper
41	100		
39	56.1	51.4	77.2
67	84.0	66.8	100.2
52	35.6	27.7	41.5

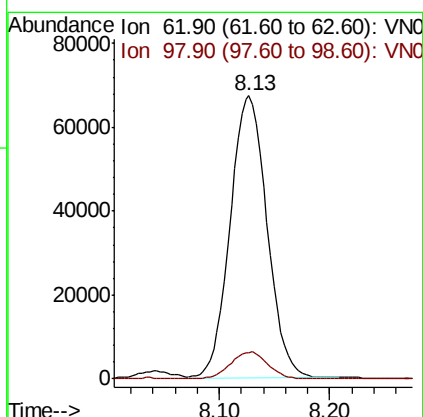
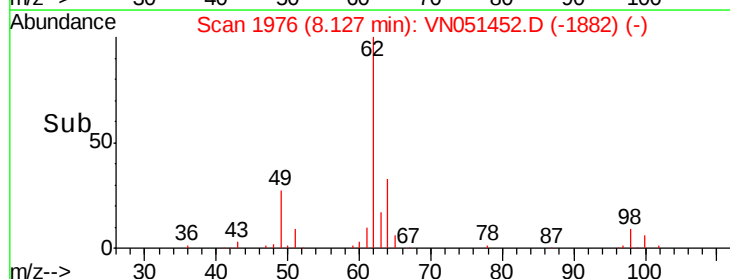
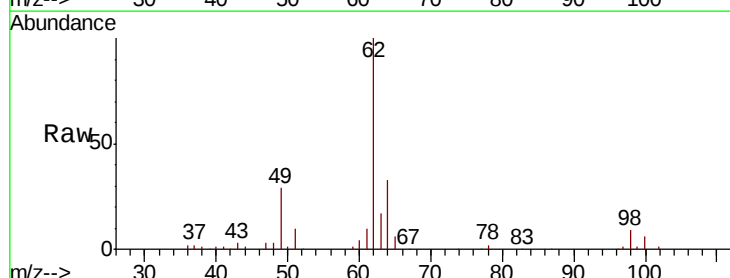
Manual Integrations
APPROVED

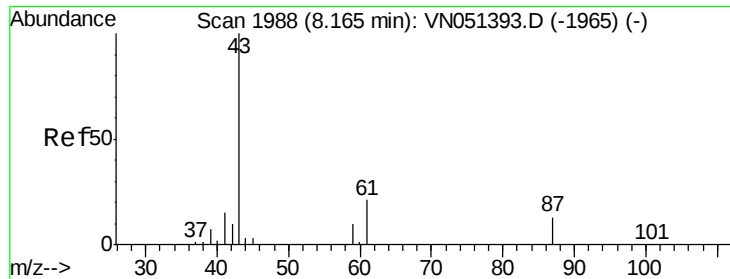
MMDadoda
9/25/2018 11:31:01 AM



#42
1,2-Dichloroethane
Concen: 20.162 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	62	Resp	156196
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 19.435 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

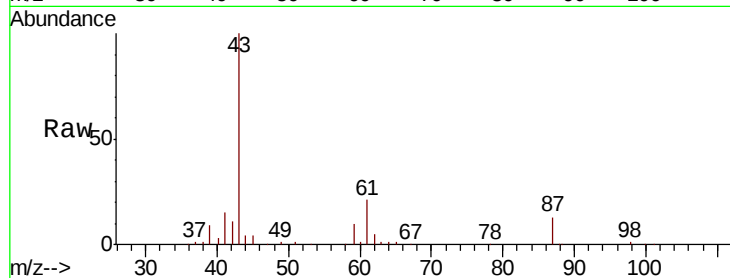
ClientSampleId :

VN0924MBSD01

Tot Ion:	43	Resp:	166496
Ion	Ratio	Lower	Upper
43	100		
61	29.0	16.8	25.2#
87	13.1	10.7	16.1

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:01 AM

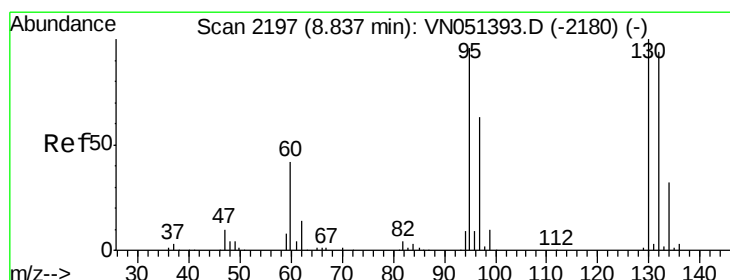
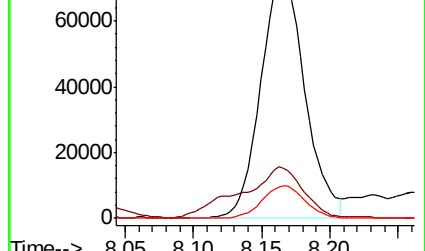
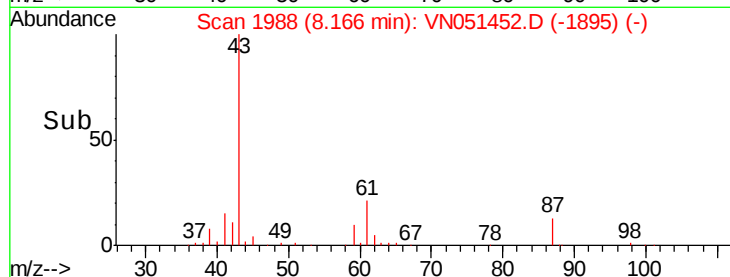


Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)

Time-->



#44

Trichloroethene

Concen: 20.158 ug/l

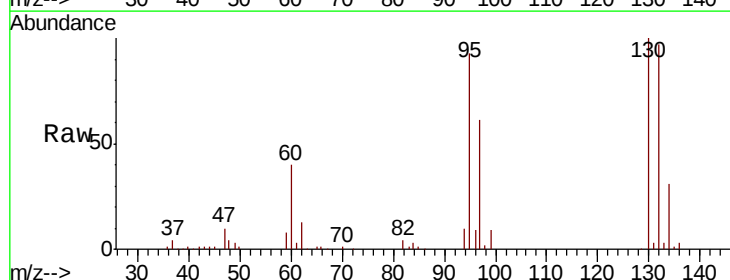
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

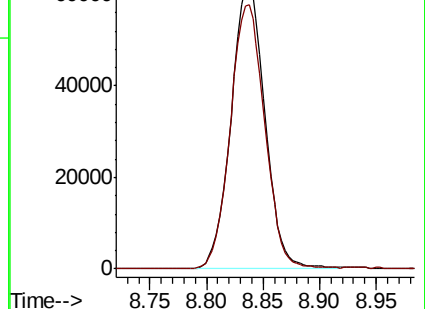
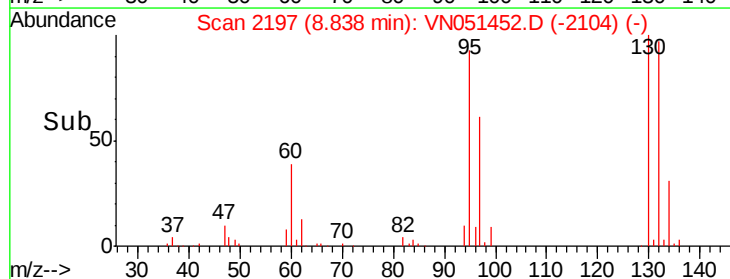
Tgt Ion:	130	Resp:	129540
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	192.2

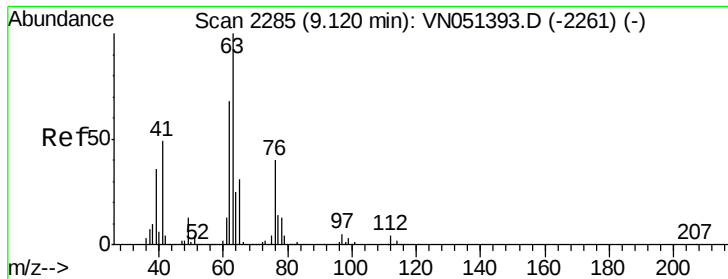


Abundance Ion 129.80 (129.50 to 130.50): VN051393.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051393.D (-2180) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 20.355 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBSD01

Tot Ion: 63 Resp: 133864

Ion Ratio Lower Upper

63 100

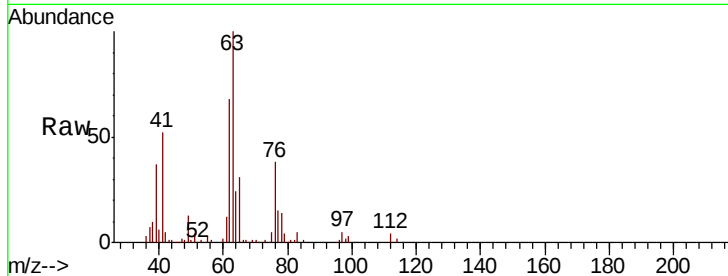
65 31.0 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:01 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

60000

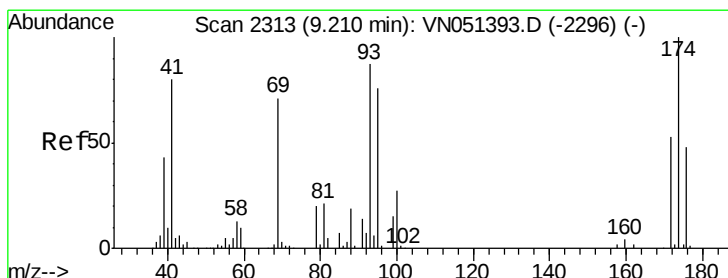
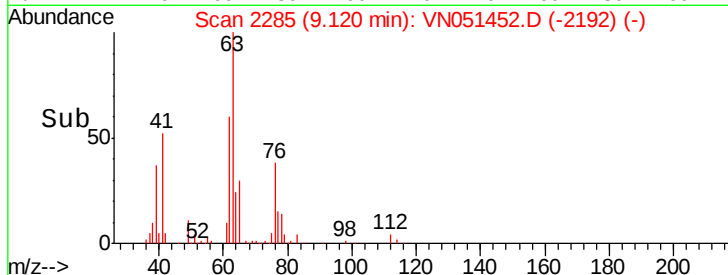
40000

20000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 19.907 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

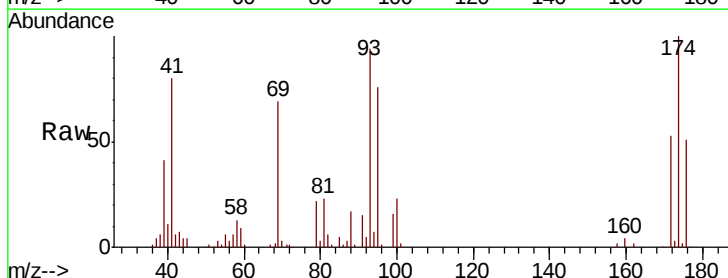
Tgt Ion: 93 Resp: 73975

Ion Ratio Lower Upper

93 100

95 84.2 67.6 101.4

174 110.5 89.6 134.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

50000

40000

30000

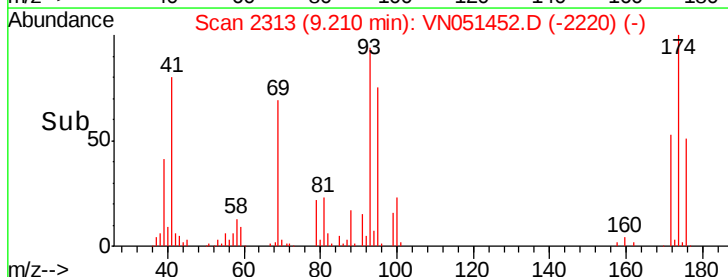
20000

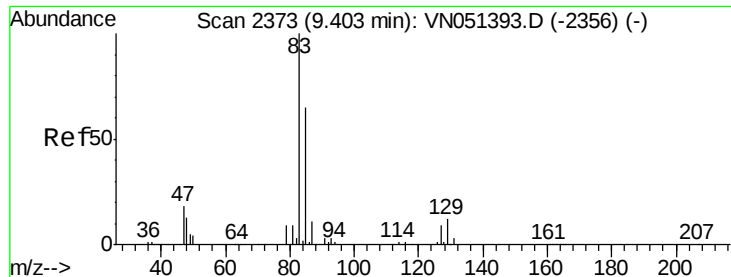
10000

0

Time-->

9.15 9.20 9.25 9.30





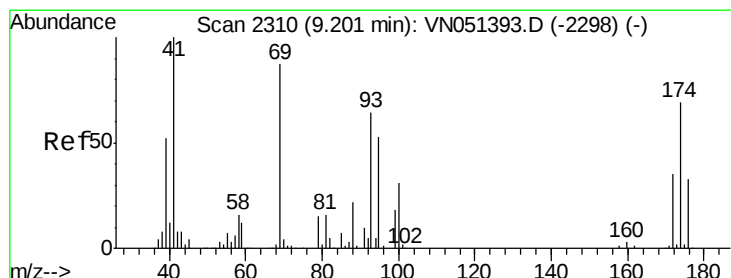
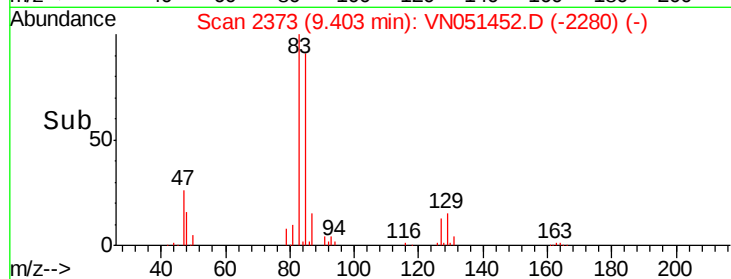
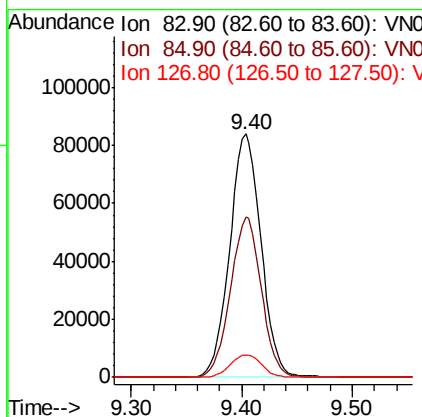
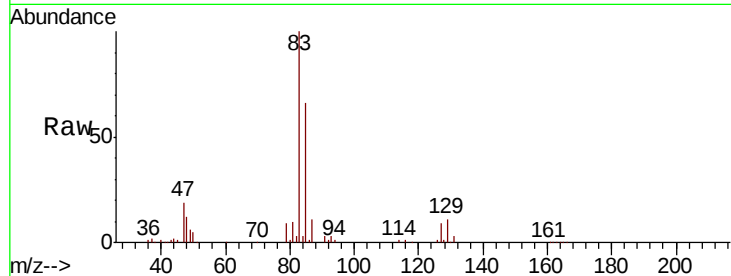
#47
Bromodichloromethane
Concen: 20.089 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	83	Resp	165197
Ion Ratio	100	Lower	Upper
83	100		
85	65.9	51.8	77.6
127	9.1	7.4	11.2

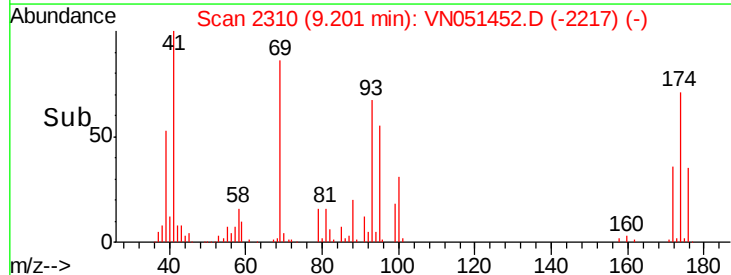
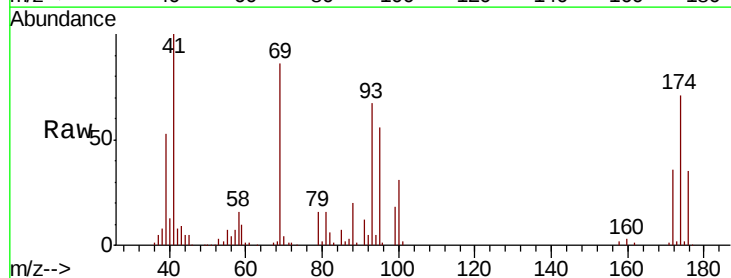
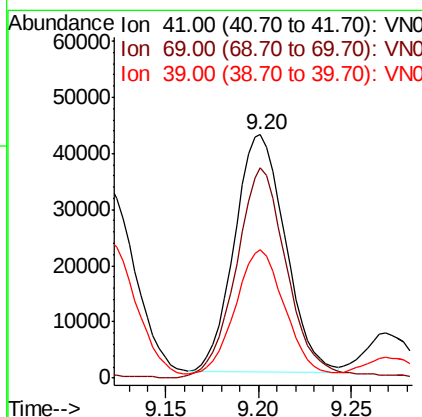
Manual Integrations
APPROVED

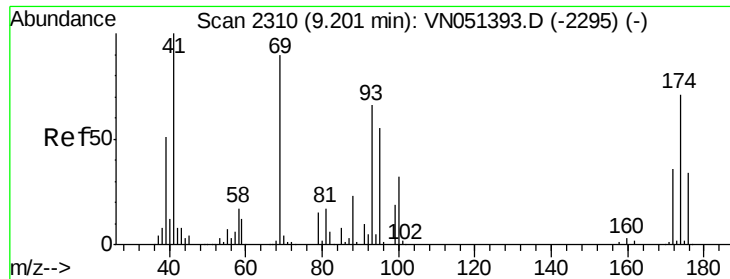
MMDadoda
9/25/2018 11:31:01 AM



#48
Methyl methacrylate
Concen: 18.896 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	41	Resp	80706
Ion Ratio	100	Lower	Upper
41	100		
69	90.2	70.4	105.6
39	53.2	43.8	65.8





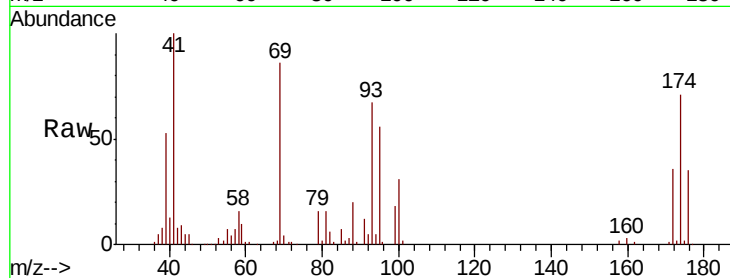
#49
1,4-Dioxane
Concen: 367.199 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	25.9	38.9
58	76.2	57.0	85.4

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:01 AM

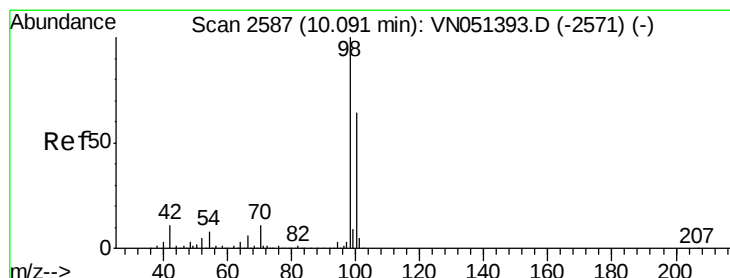
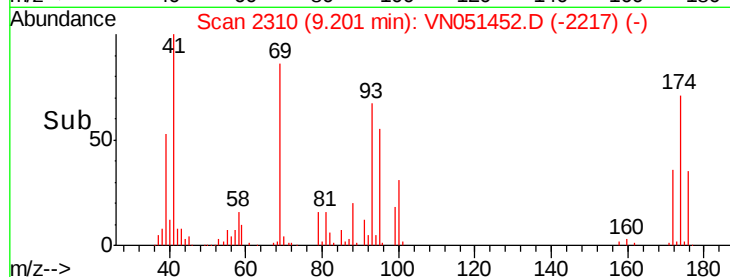
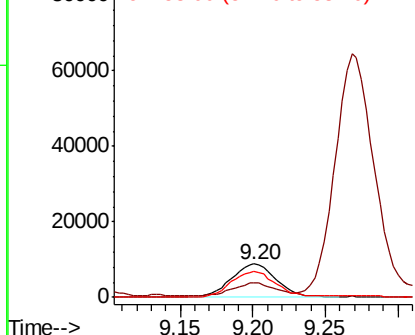


Abundance

Ion 88.00 (87.70 to 88.70): VN0

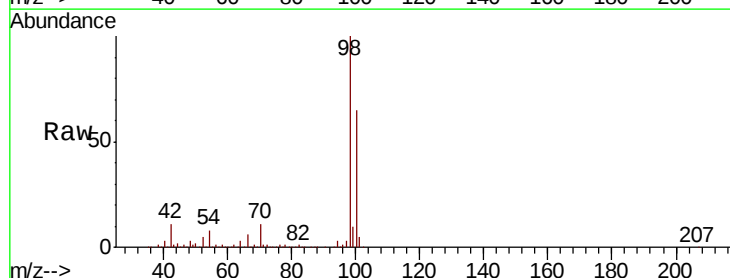
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.938 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

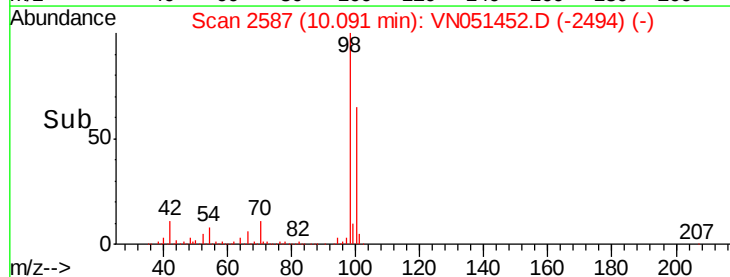
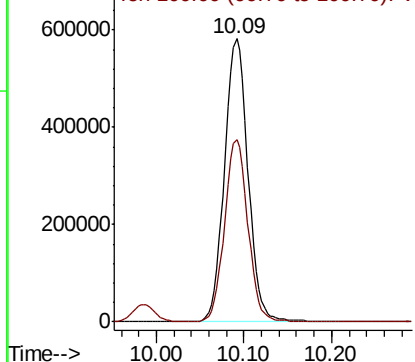
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.6	75.8

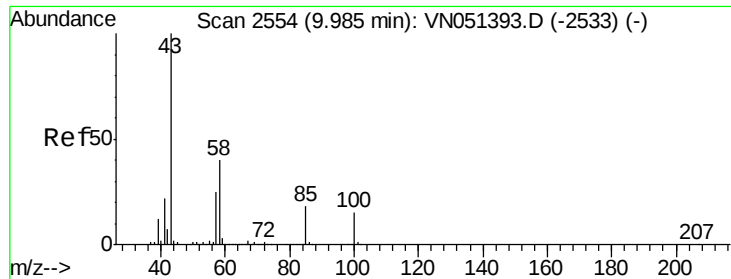


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





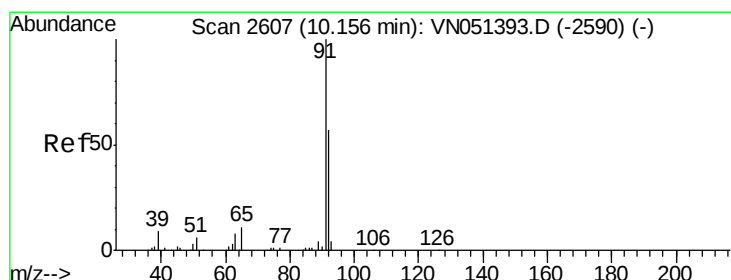
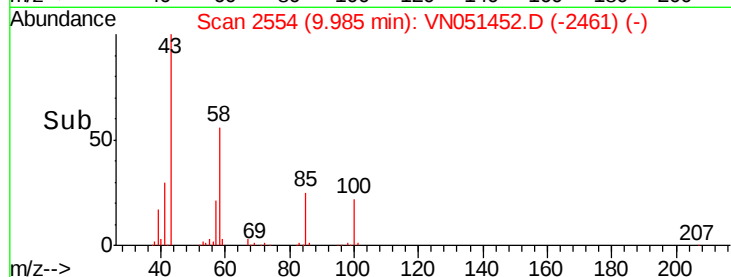
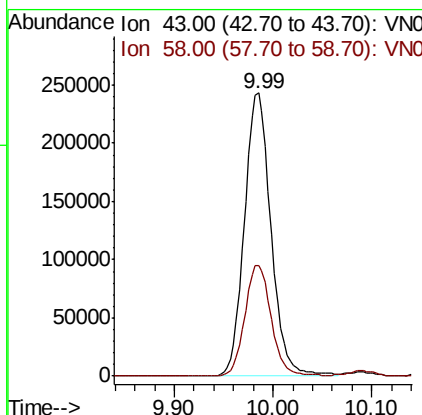
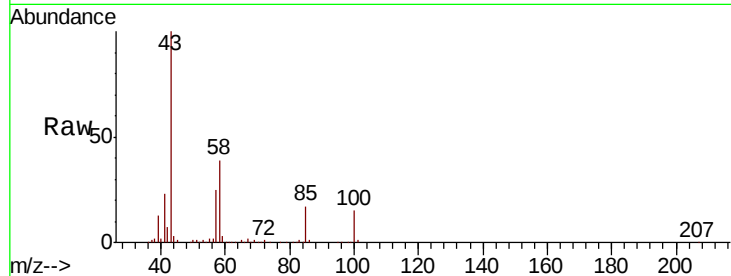
#51
4-Methyl-2-Pentanone
Concen: 95.524 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.5	47.3

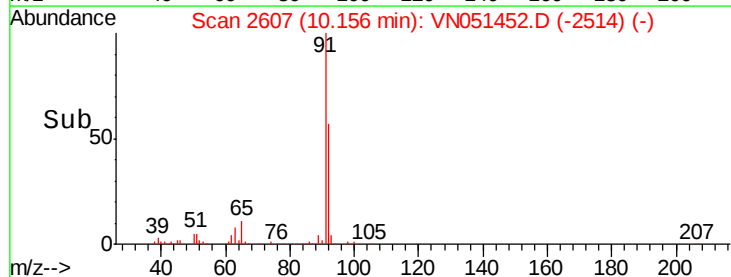
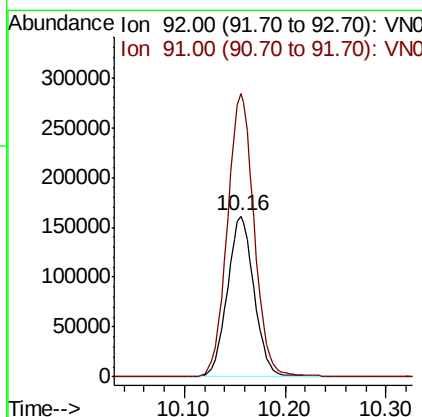
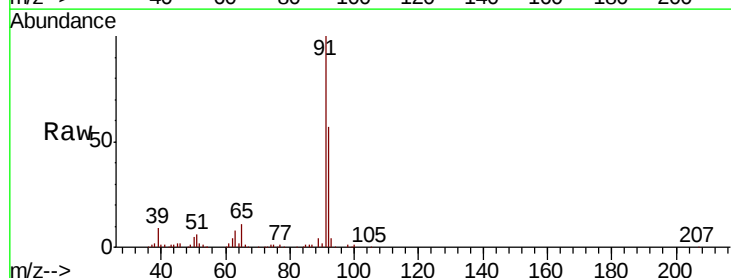
Manual Integrations
APPROVED

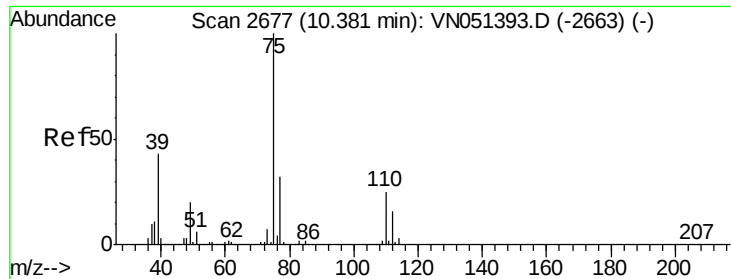
MMDadoda
9/25/2018 11:31:01 AM



#52
Toluene
Concen: 19.821 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.6	142.2	213.4





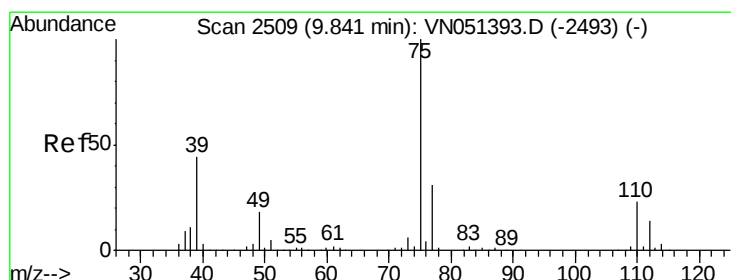
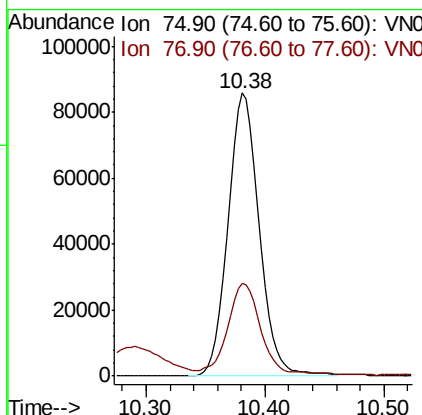
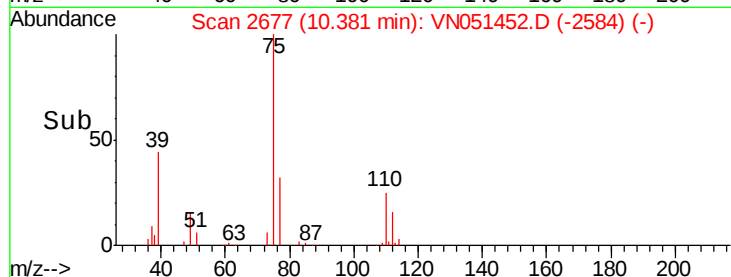
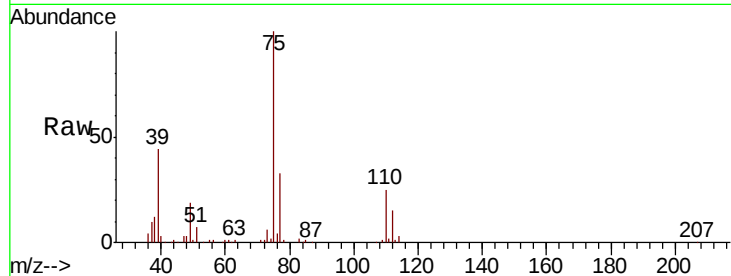
#53
t-1,3-Dichloropropene
Concen: 18.795 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion: 75 Resp: 156036
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8

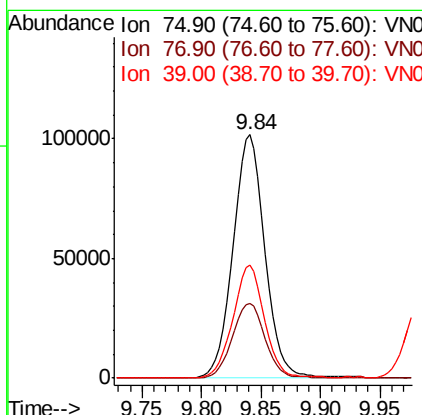
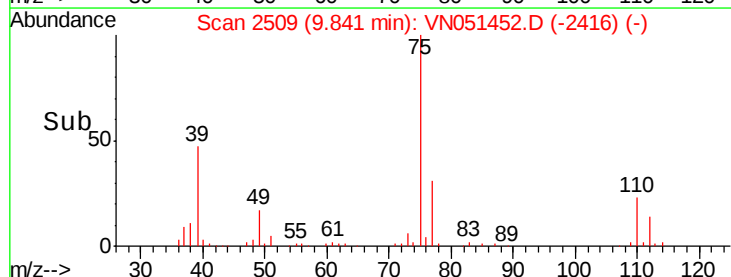
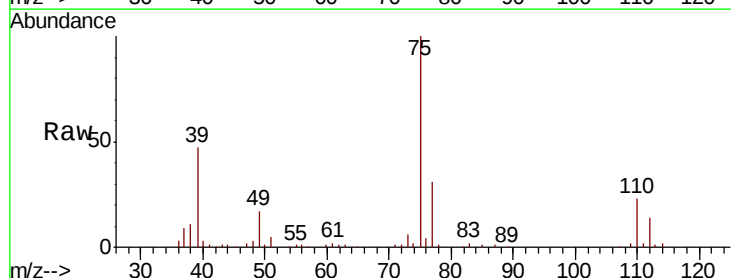
Manual Integrations
APPROVED

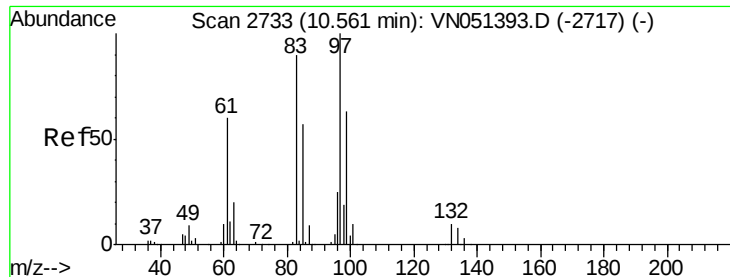
MMDadoda
9/25/2018 11:31:01 AM



#54
cis-1,3-Dichloropropene
Concen: 19.587 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion: 75 Resp: 188578
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8
39 46.5 35.4 53.2





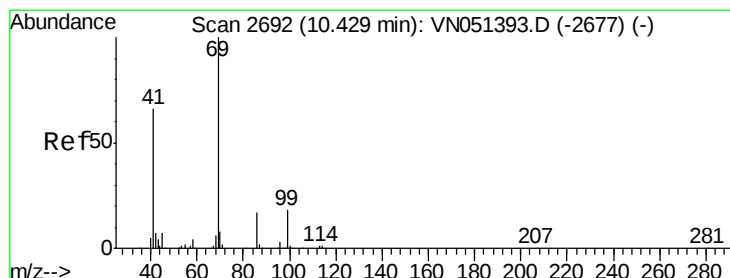
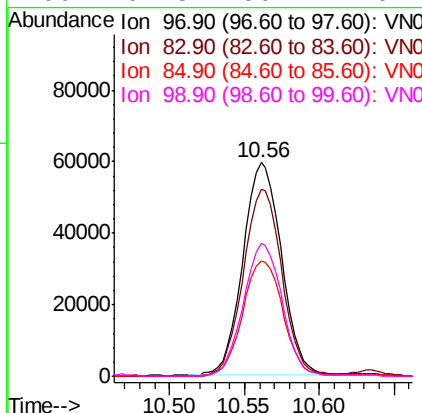
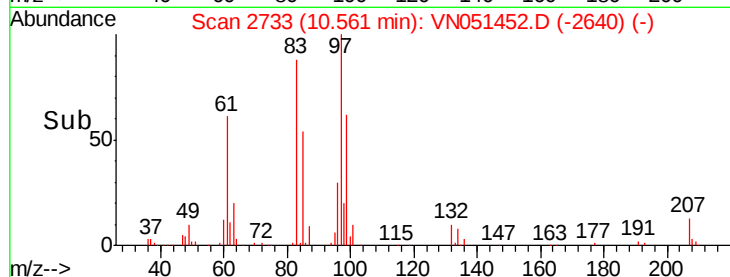
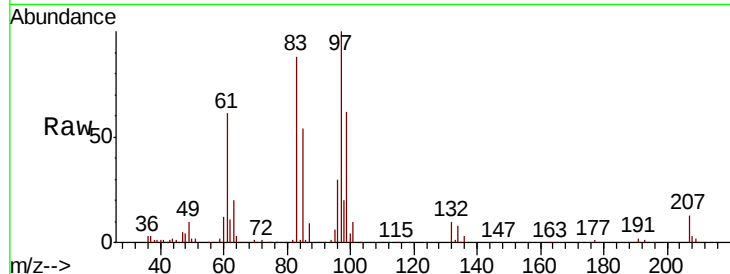
#55
 1,1,2-Trichloroethane
 Concen: 20.115 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBSD01

Tot Ion:	97	Resp:	106886
Ion	Ratio	Lower	Upper
97	100		
83	88.0	72.0	108.0
85	54.1	45.2	67.8
99	62.3	50.7	76.1

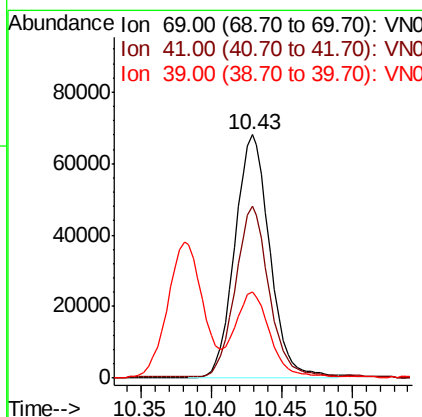
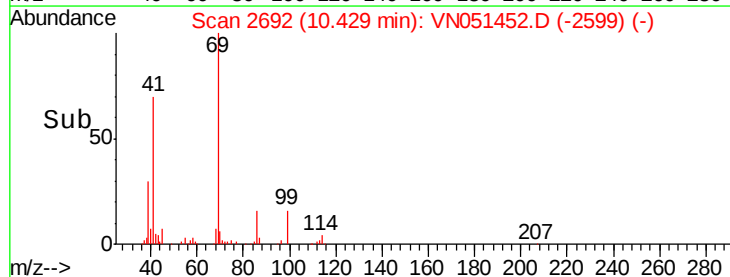
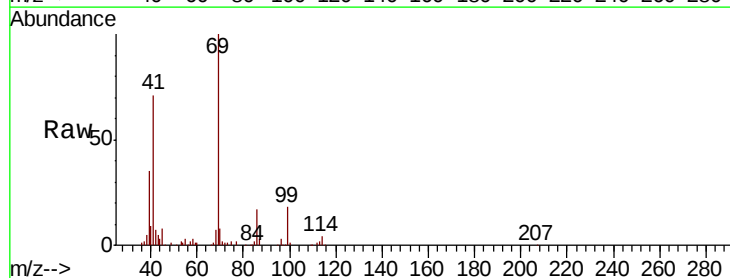
Manual Integrations
 APPROVED

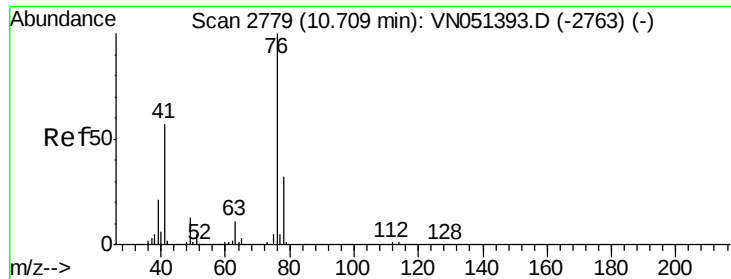
MMDadoda
 9/25/2018 11:31:01 AM



#56
 Ethyl methacrylate
 Concen: 18.265 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Tgt Ion:	69	Resp:	118664
Ion	Ratio	Lower	Upper
69	100		
41	67.1	52.4	78.6
39	35.1	26.3	39.5





#57

1,3-Dichloropropane

Concen: 19.690 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBSD01

Tot Ion: 76 Resp: 179334

Ion Ratio Lower Upper

76 100

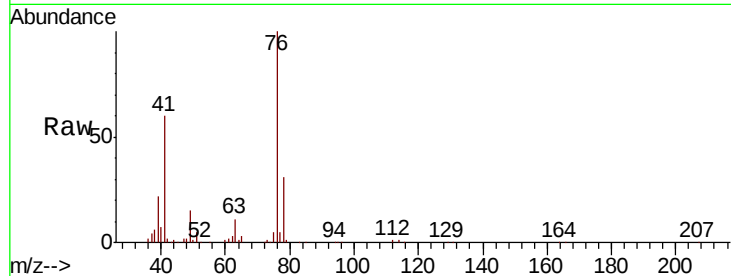
78 31.3 25.5 38.3

Manual Integrations

APPROVED

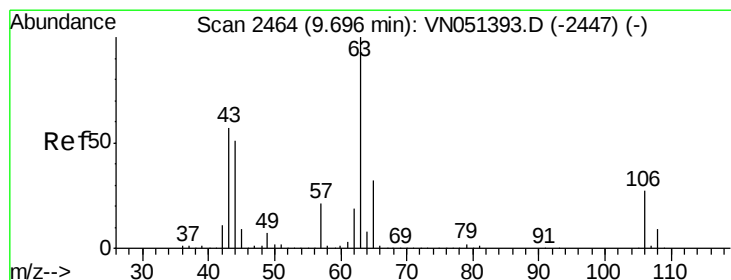
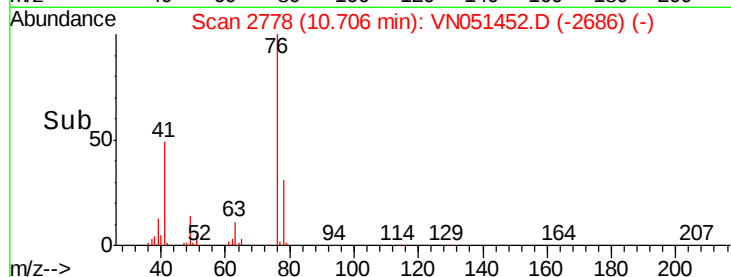
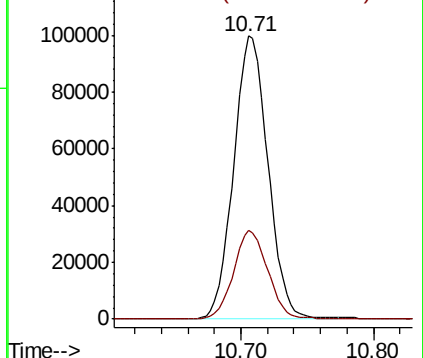
MMDadoda

9/25/2018 11:31:01 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 98.741 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051452.D

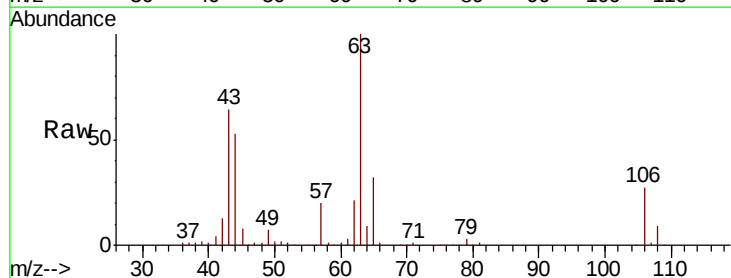
Acq: 24 Sep 2018 11:27

Tgt Ion: 63 Resp: 299991

Ion Ratio Lower Upper

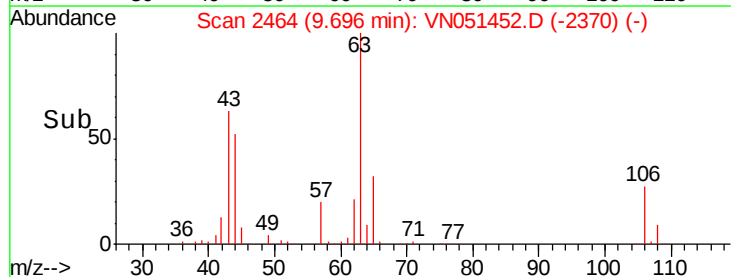
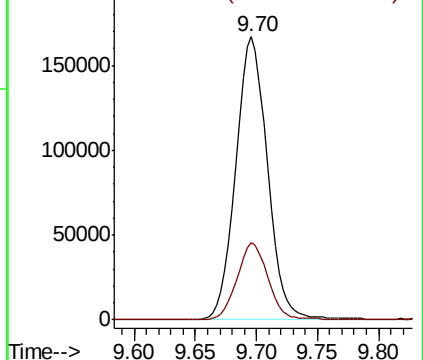
63 100

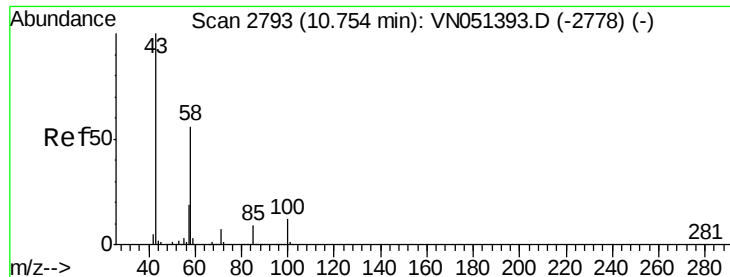
106 26.6 21.4 32.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





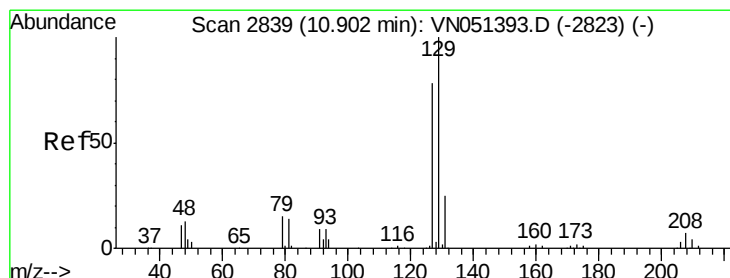
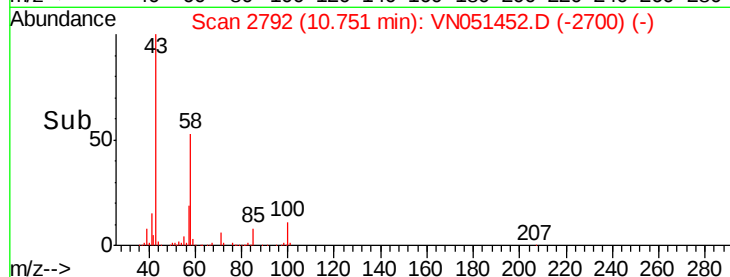
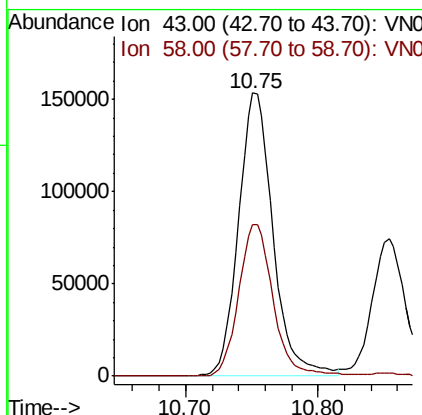
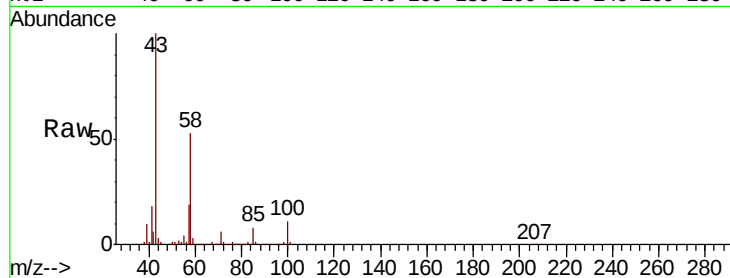
#59
2-Hexanone
Concen: 90.468 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	43	Resp	276312
Ion Ratio	43	100	
Lower	58	53.9	27.7
Upper			83.0

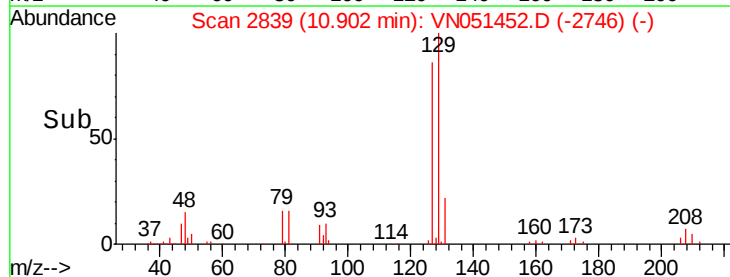
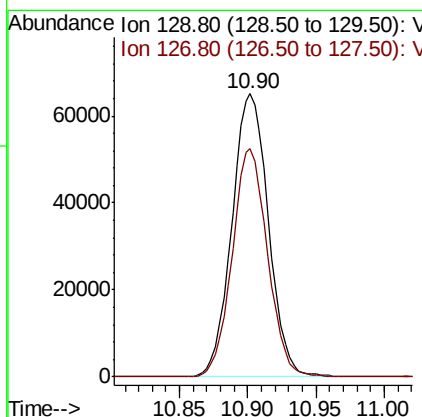
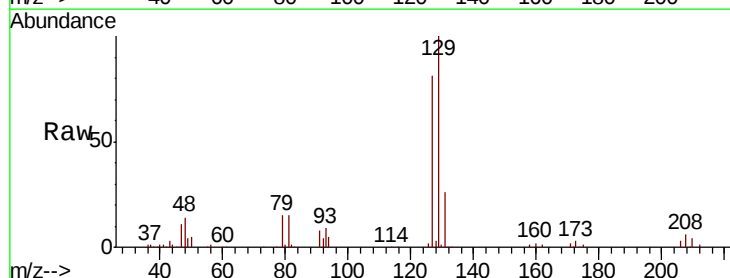
Manual Integrations
APPROVED

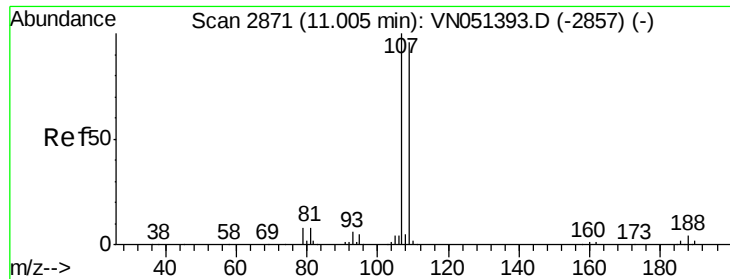
MMDadoda
9/25/2018 11:31:01 AM



#60
Dibromochloromethane
Concen: 19.277 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	129	Resp	120861
Ion Ratio	129	100	
Lower	127	77.9	38.6
Upper			116.0





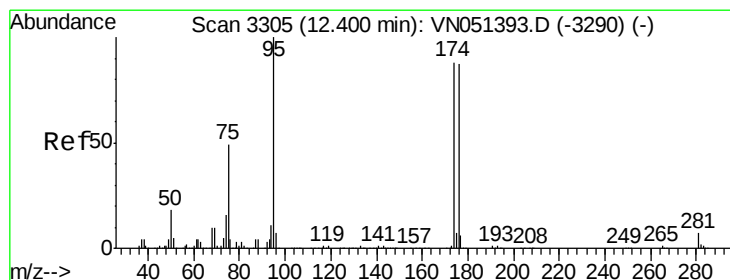
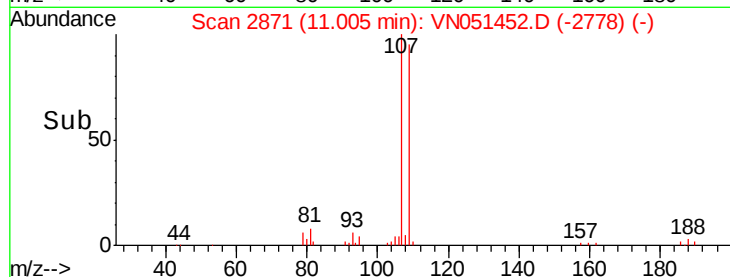
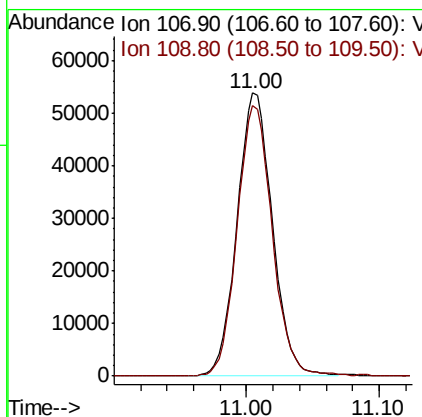
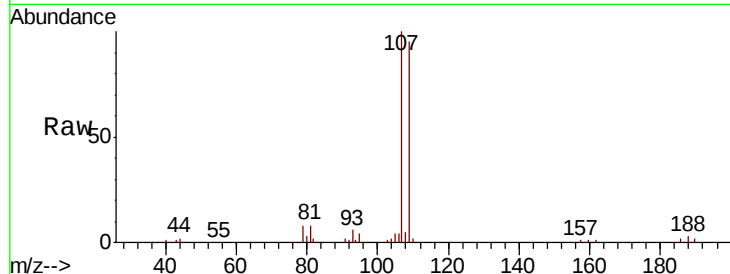
#61
 1,2-Dibromoethane
 Concen: 19.291 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.3	114.5

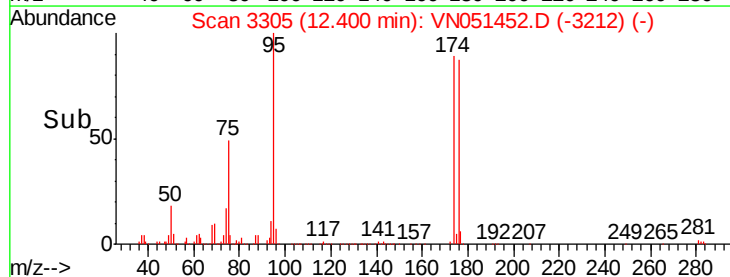
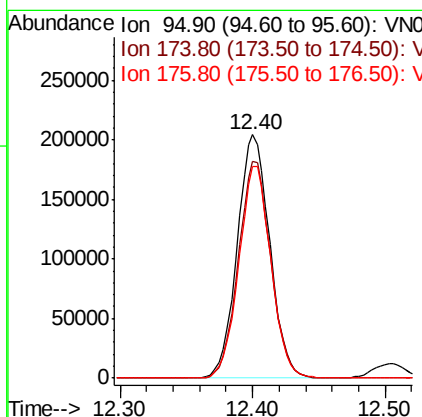
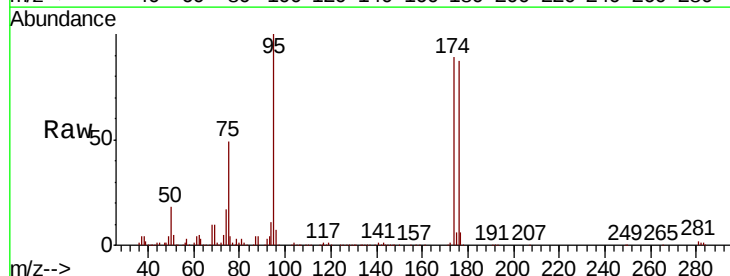
Manual Integrations
 APPROVED

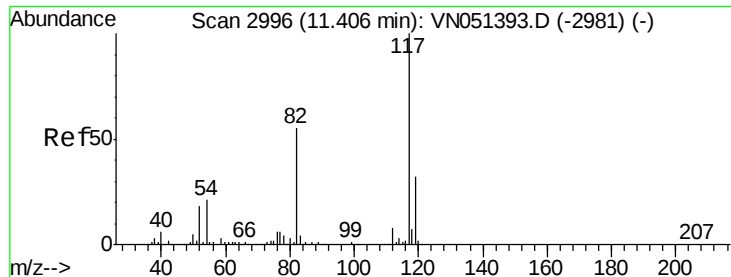
MMDadoda
 9/25/2018 11:31:01 AM



#62
 4-Bromofluorobenzene
 Concen: 49.907 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	181.6
176	86.2	0.0	176.4





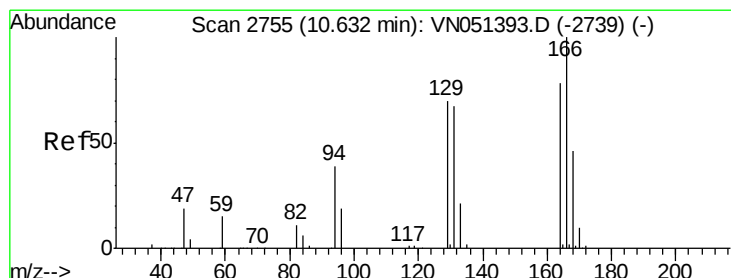
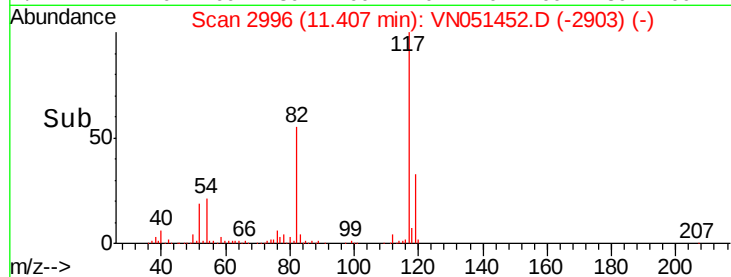
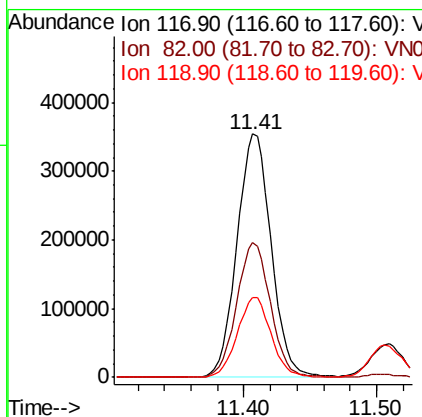
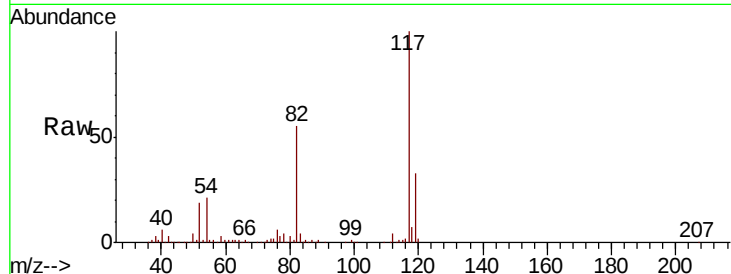
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.2	66.2
119	33.0	25.9	38.9

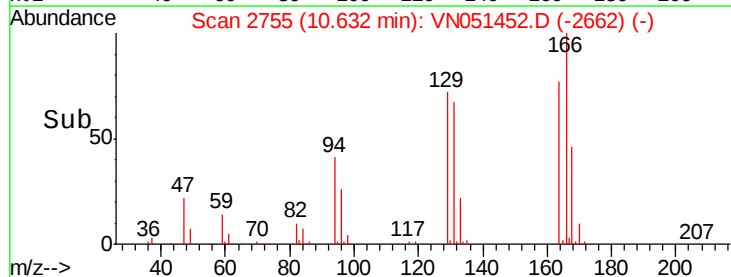
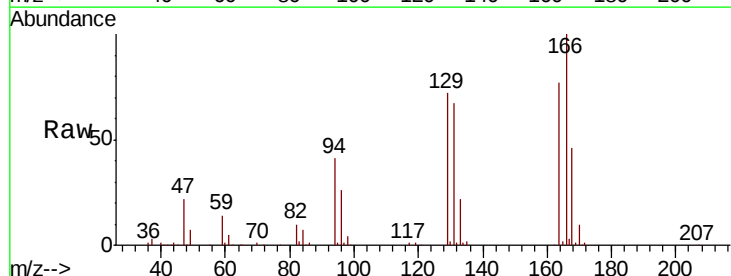
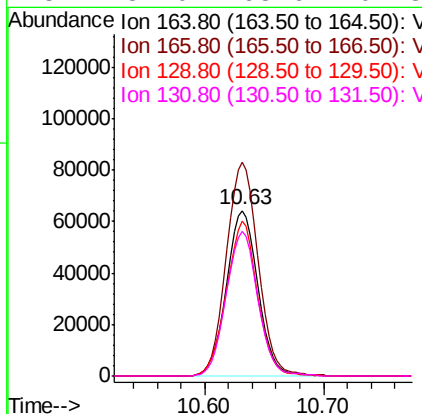
Manual Integrations
APPROVED

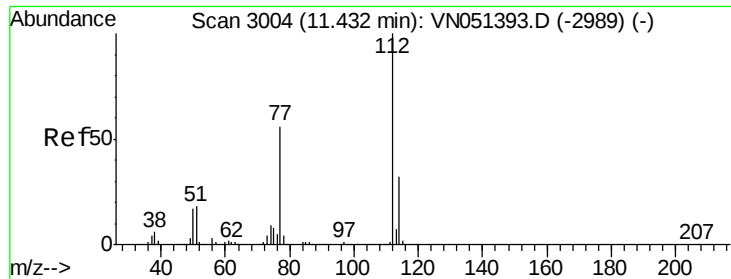
MMDadoda
9/25/2018 11:31:01 AM



#64
Tetrachloroethene
Concen: 20.524 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	102.3	153.5
129	93.4	71.8	107.8
131	87.0	68.6	102.8





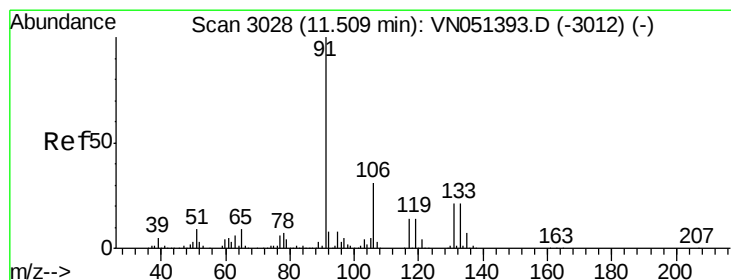
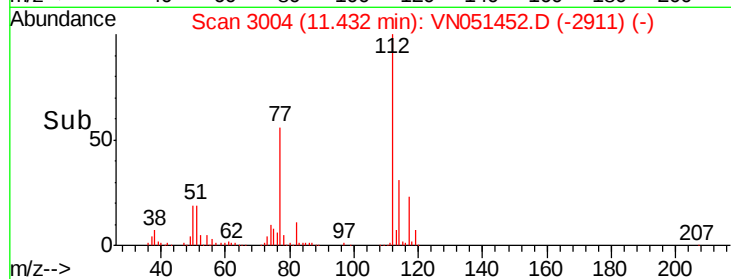
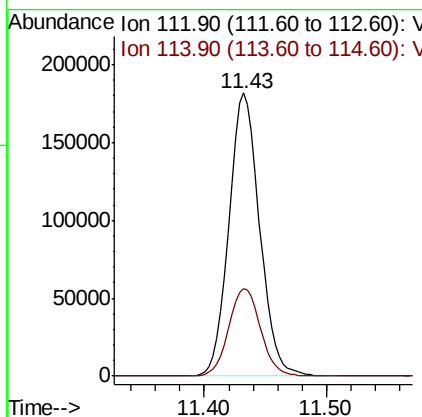
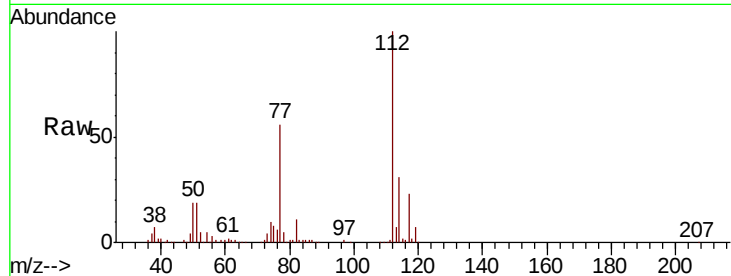
#65
Chlorobenzene
Concen: 19.569 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.4	38.2

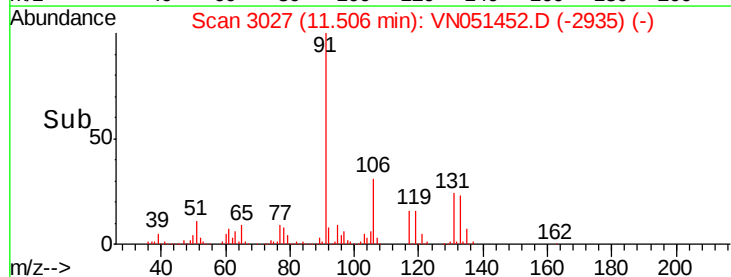
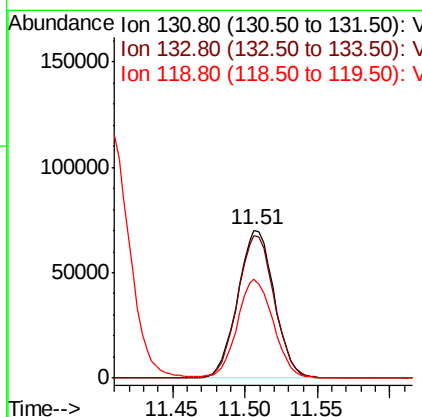
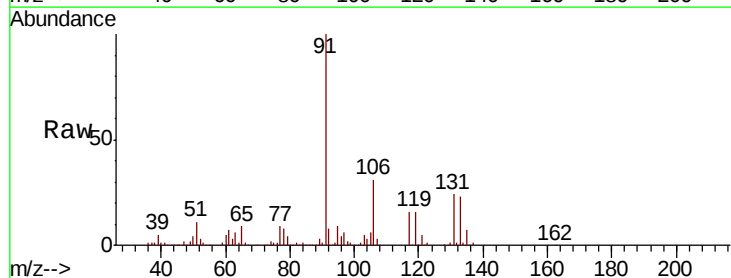
Manual Integrations
APPROVED

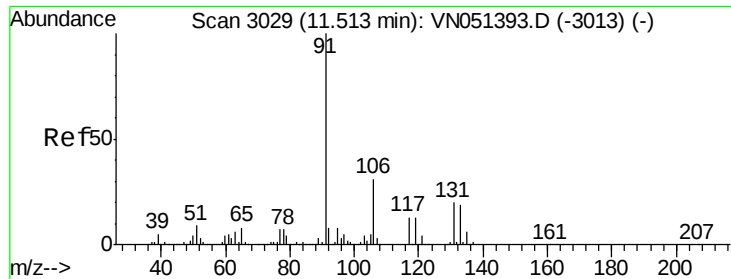
MMDadoda
9/25/2018 11:31:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.816 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	48.3	144.8
119	66.0	32.8	98.4





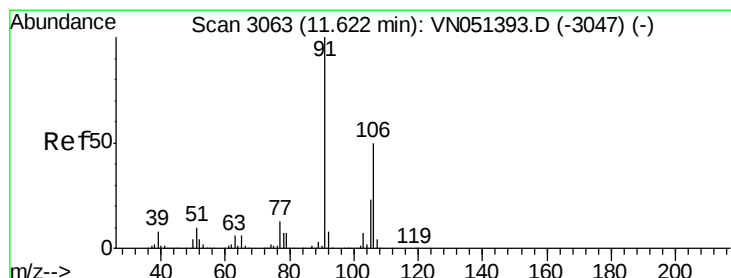
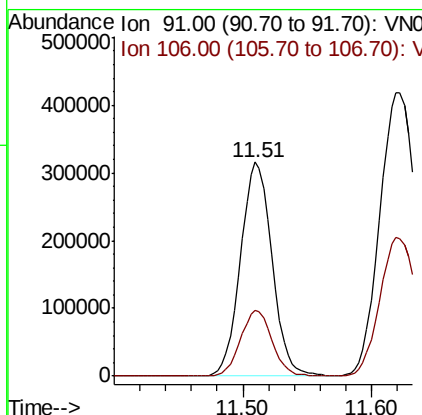
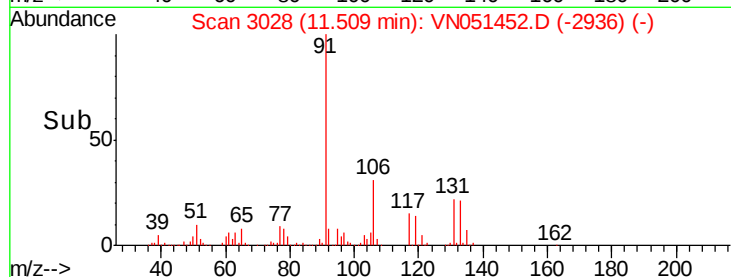
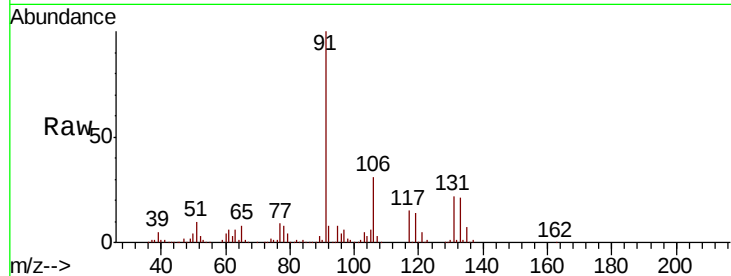
#67
Ethyl Benzene
Concen: 19.559 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion: 91 Resp: 537697
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4

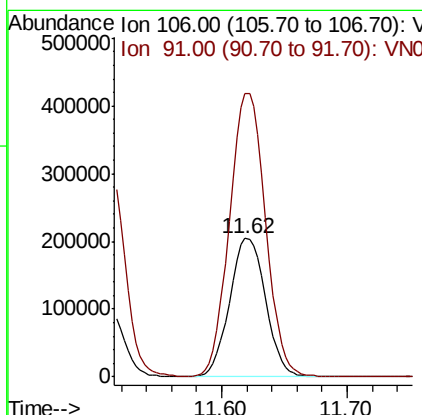
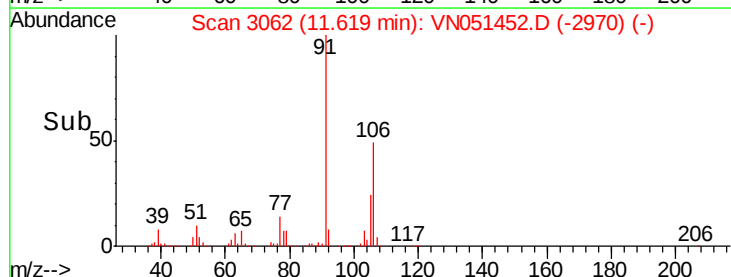
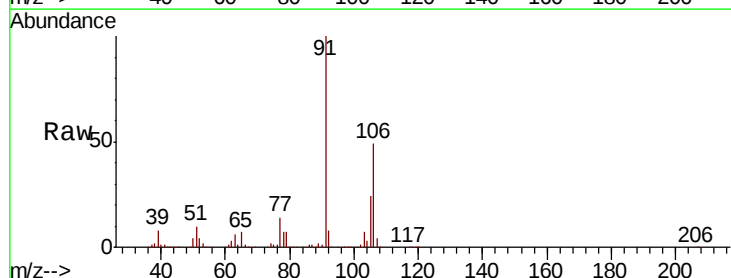
Manual Integrations
APPROVED

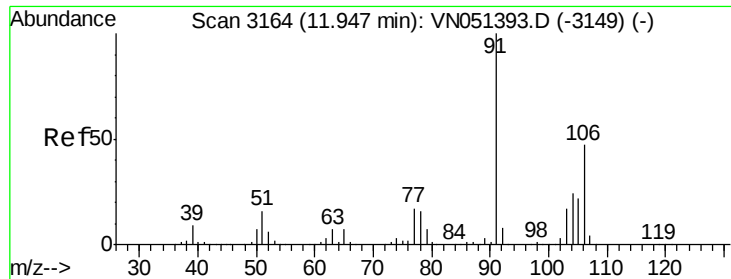
MMDadoda
9/25/2018 11:31:01 AM



#68
m/p-Xylenes
Concen: 38.539 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion: 106 Resp: 409808
Ion Ratio Lower Upper
106 100
91 203.4 161.3 241.9





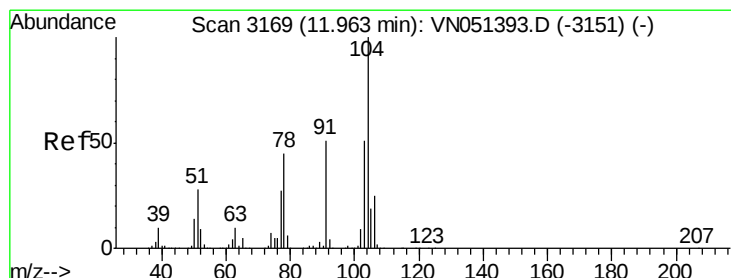
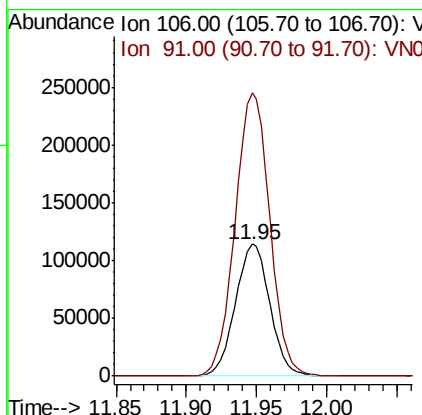
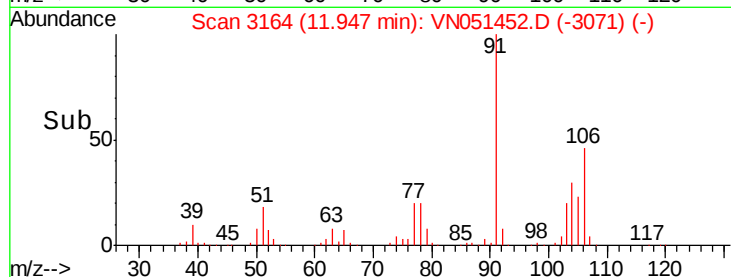
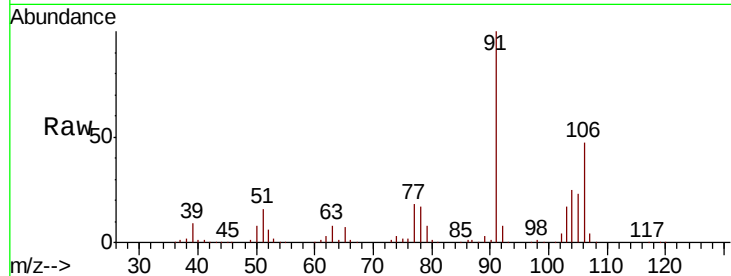
#69
o-Xylene
Concen: 19.126 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleID :
VN0924MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		195519		
91	215.7	105.3	315.9		

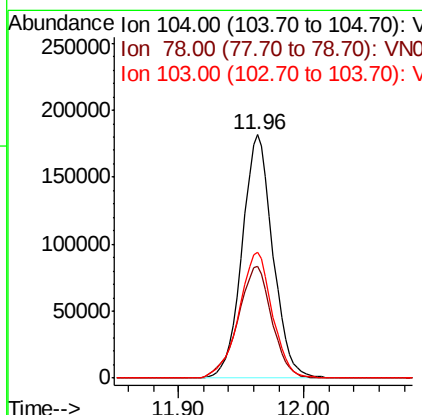
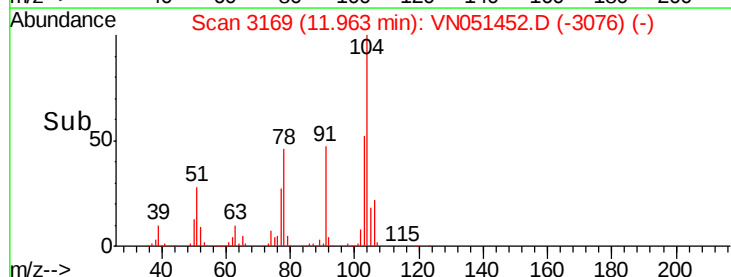
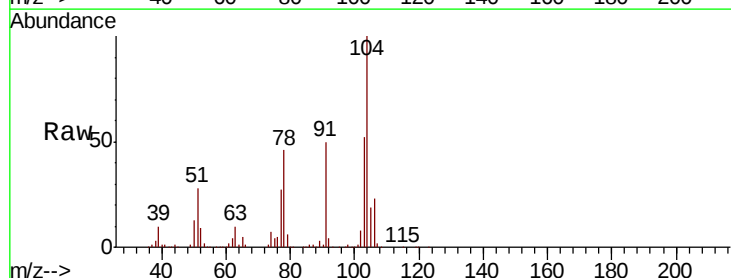
Manual Integrations
APPROVED

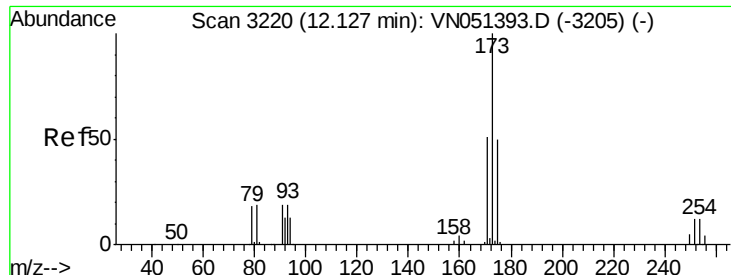
MMDadoda
9/25/2018 11:31:01 AM



#70
Styrene
Concen: 19.150 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		310195		
78	50.6	39.9	59.9		
103	56.0	44.6	66.8		





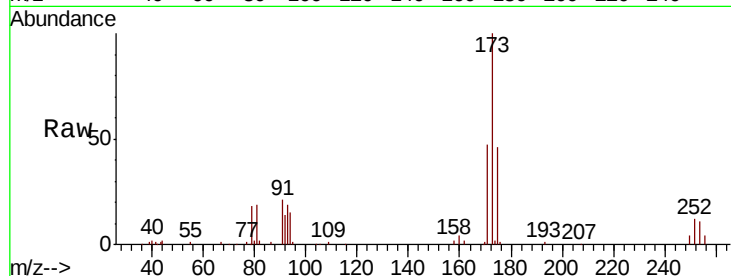
#71
Bromoform
Concen: 19.077 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:01 AM

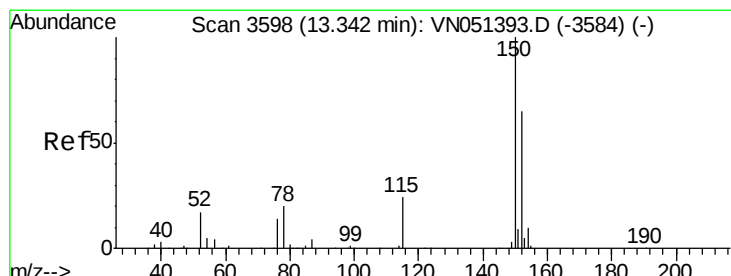
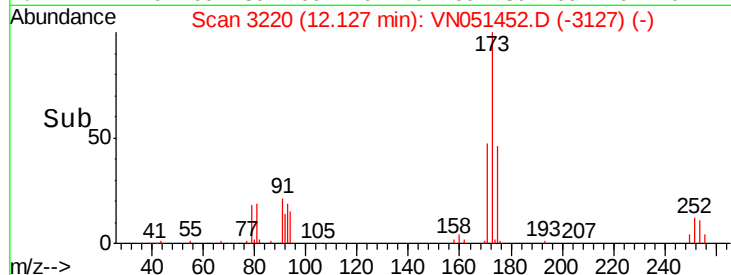
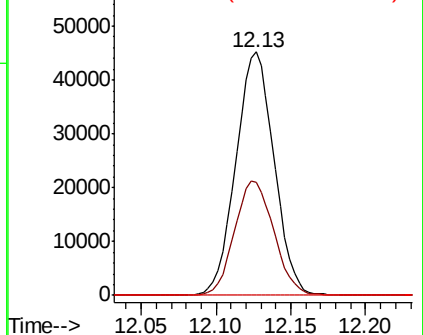


Abundance

Ion 172.70 (172.40 to 173.40): V

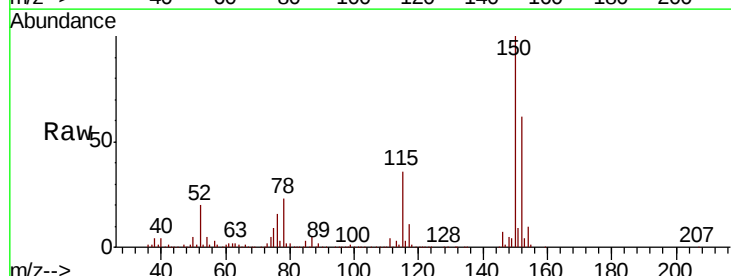
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.3	84.9
150	165.0	0.0	353.6

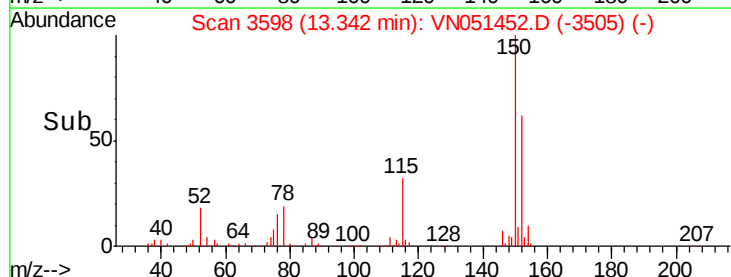
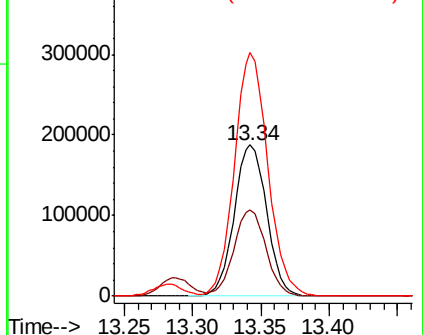


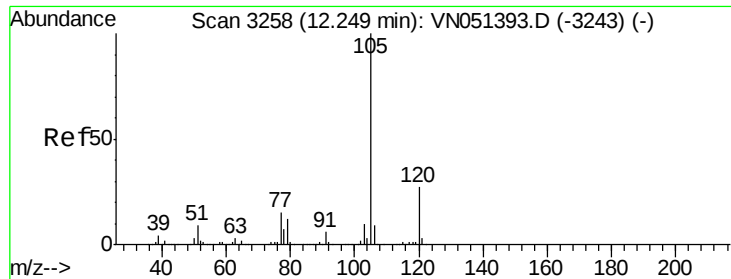
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.128 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBSD01

Tot Ion: 105 Resp: 526126

Ion Ratio Lower Upper

105 100

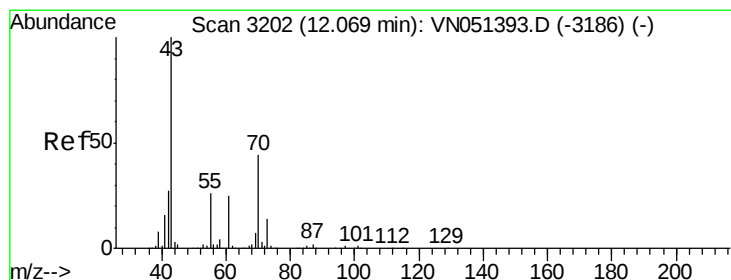
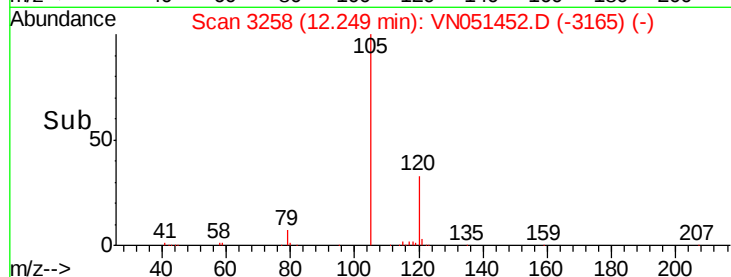
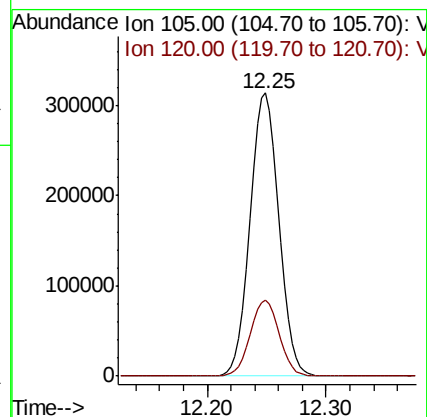
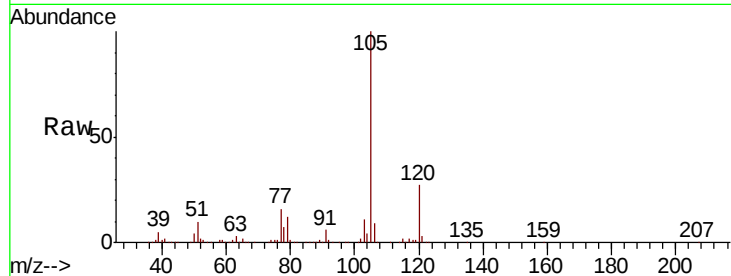
120 26.9 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:01 AM



#74

N-ethyl acetate

Concen: 19.088 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Tgt Ion: 43 Resp: 125189

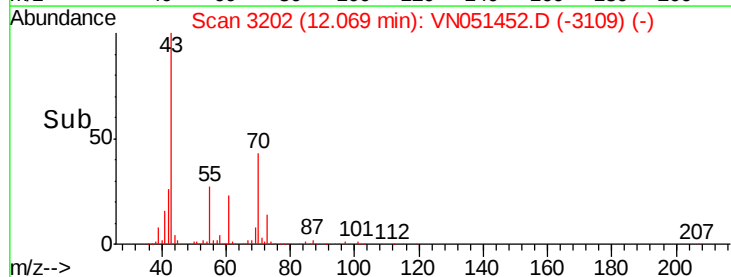
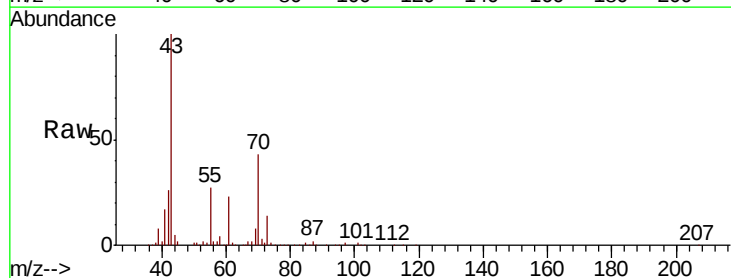
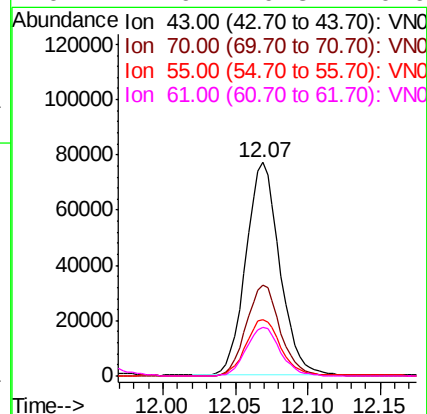
Ion Ratio Lower Upper

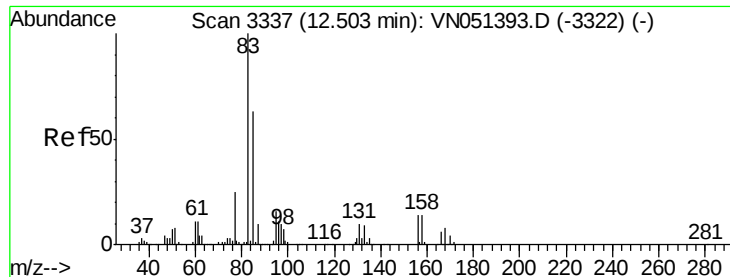
43 100

70 43.0 35.0 52.4

55 27.5 21.4 32.2

61 22.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.336 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

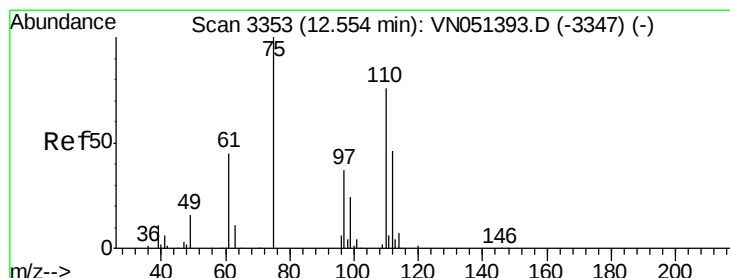
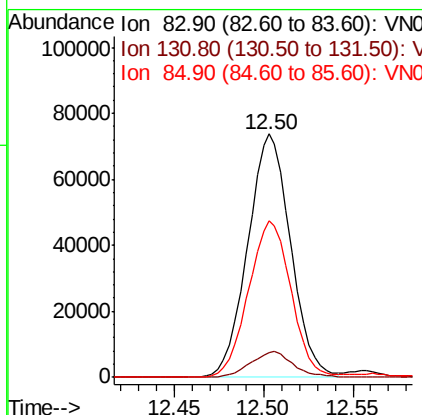
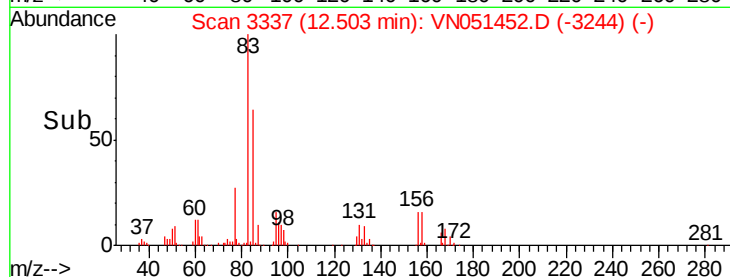
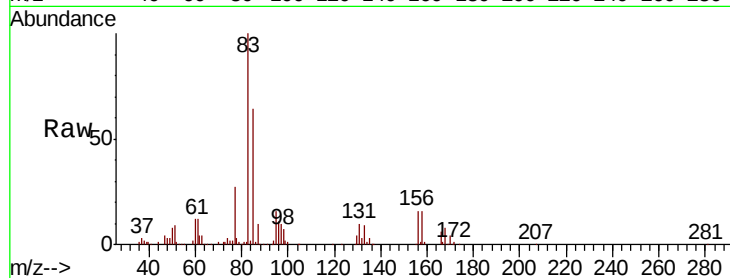
ClientSampleId :

VN0924MBSD01

Tot Ion:	83	Resp:	123956
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	63.7	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:01 AM



#76

1,2,3-Trichloropropane

Concen: 21.109 ug/l m

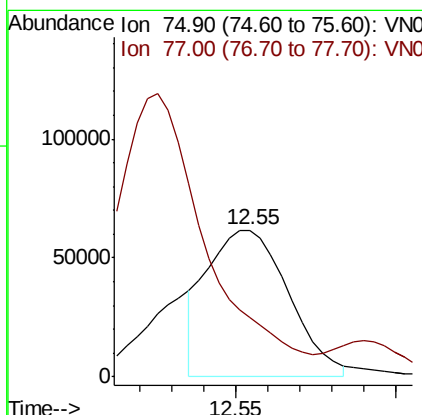
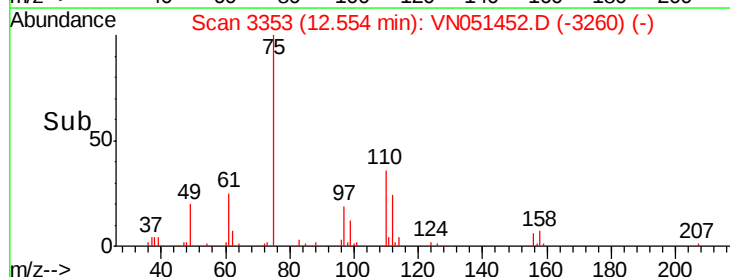
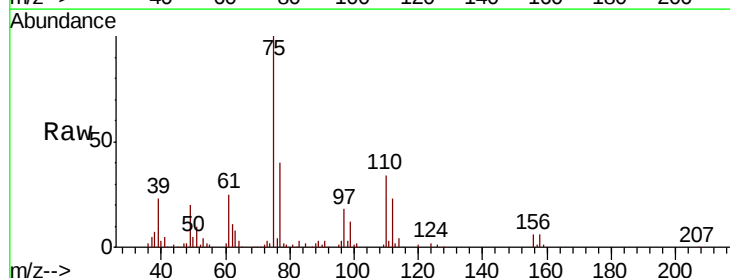
RT: 12.55 min Scan# 3353

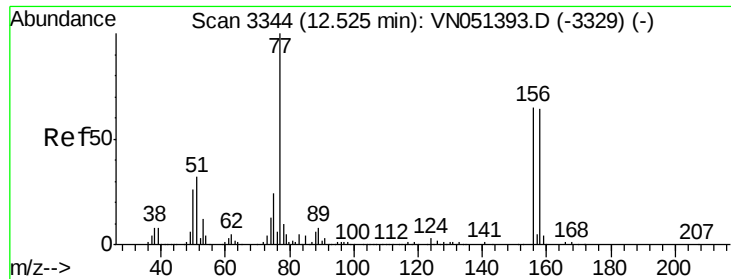
Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Tgt Ion:	75	Resp:	108562
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.618 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

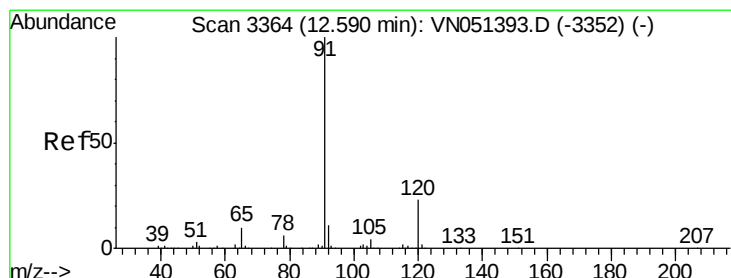
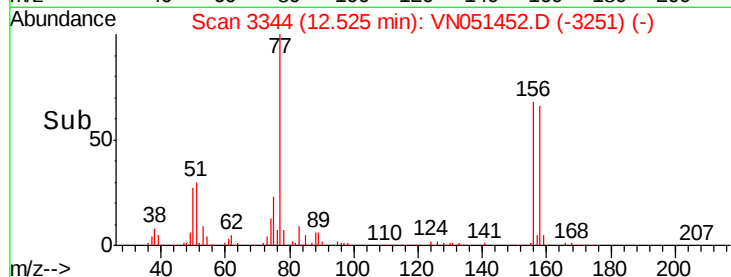
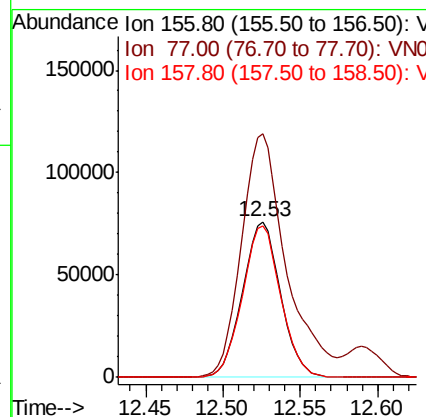
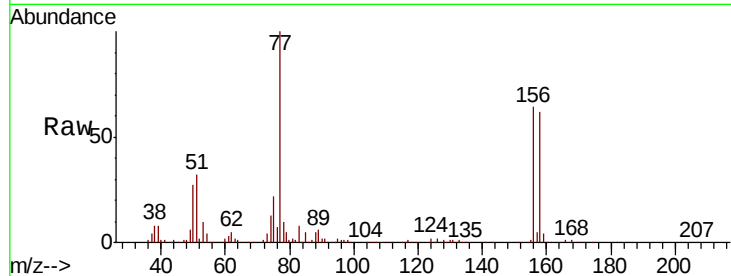
ClientSampleId :

VN0924MBSD01

Tot Ion:	156	Resp:	129811
Ion Ratio	Lower	Upper	
156	100		
77	184.2	89.5	268.4
158	98.2	49.4	148.2

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:01 AM



#78

n-propylbenzene

Concen: 20.135 ug/l

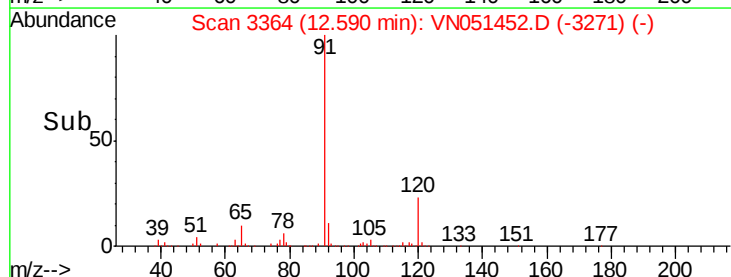
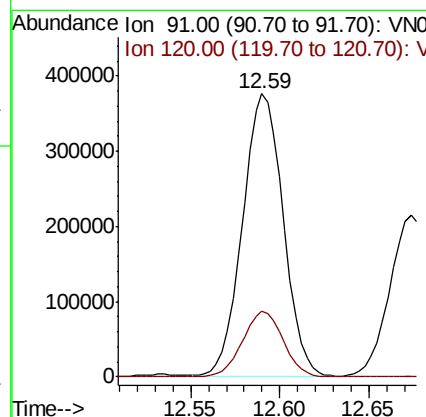
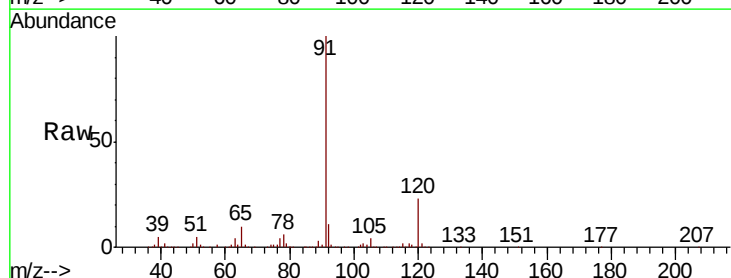
RT: 12.59 min Scan# 3364

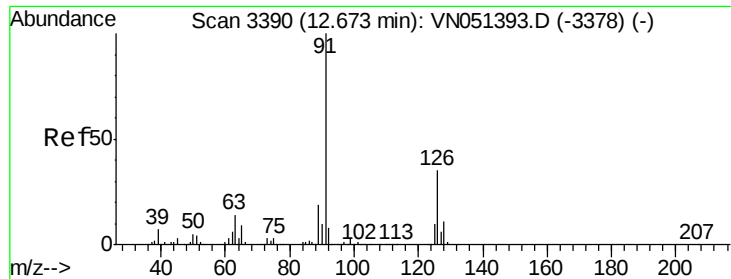
Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Tgt Ion:	91	Resp:	593179
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.262 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBSD01

Tot Ion: 91 Resp: 357299

Ion Ratio Lower Upper

91 100

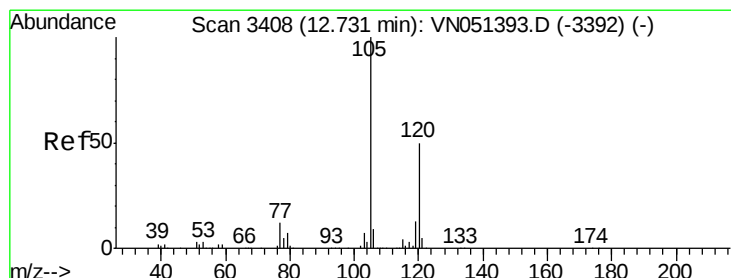
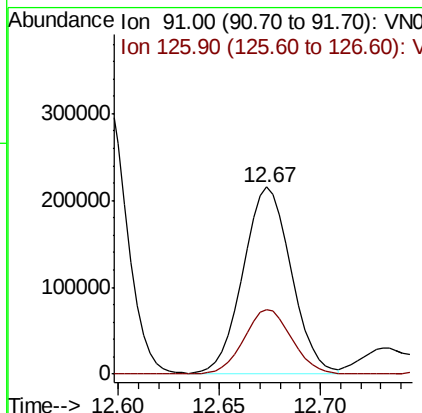
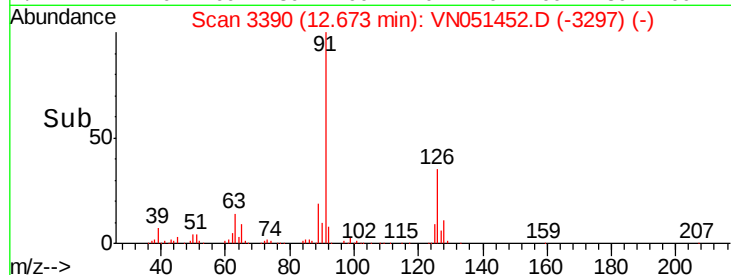
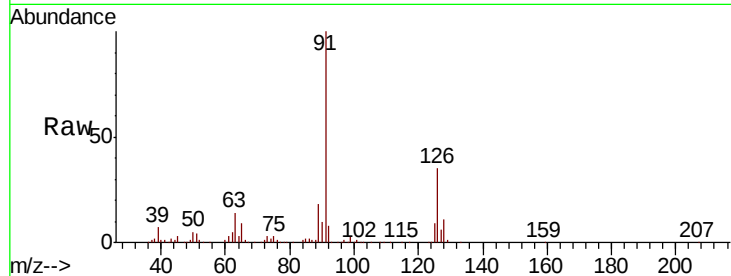
126 34.6 17.6 52.8

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:01 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.772 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051452.D

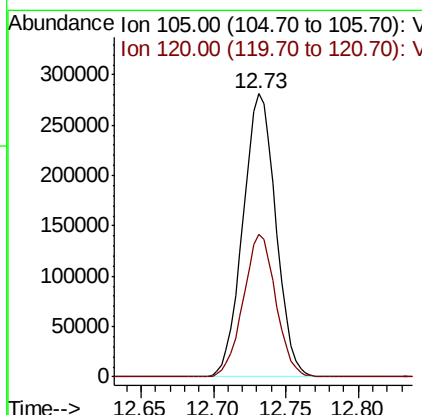
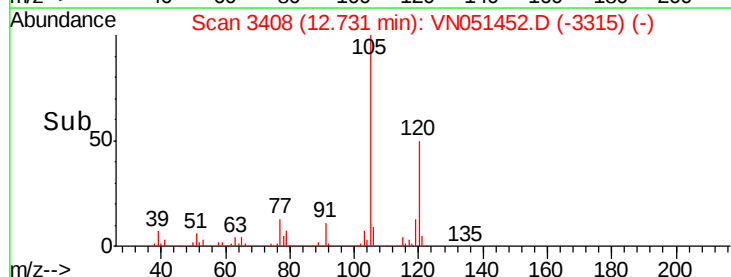
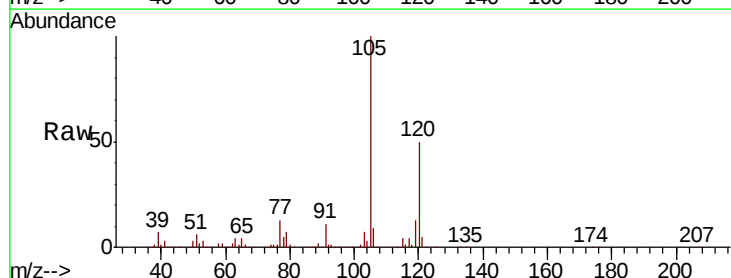
Acq: 24 Sep 2018 11:27

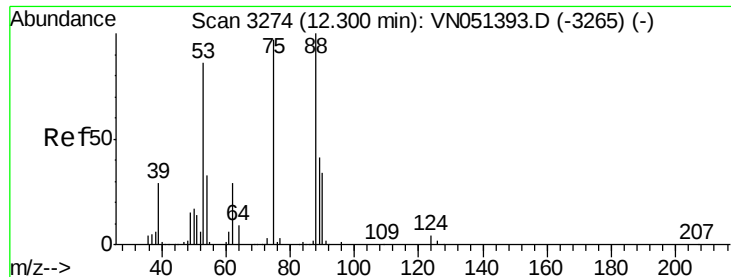
Tgt Ion: 105 Resp: 442748

Ion Ratio Lower Upper

105 100

120 49.9 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.070 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBSD01

Tot Ion: 75 Resp: 30223

Ion Ratio Lower Upper

75 100

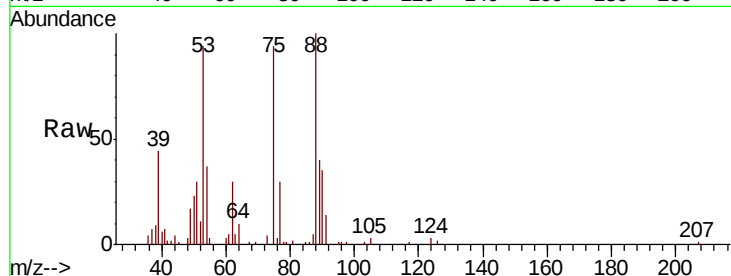
53 97.9 73.9 110.9

89 44.3 36.7 55.1

Manual Integrations
APPROVED

MMDadoda

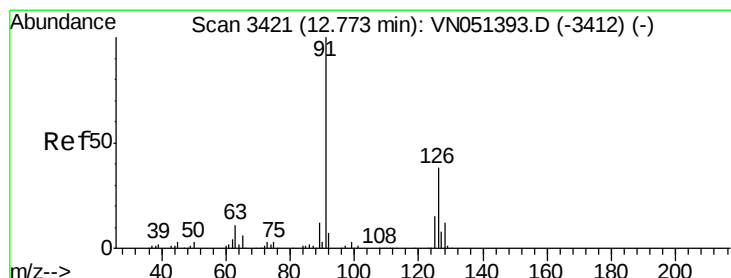
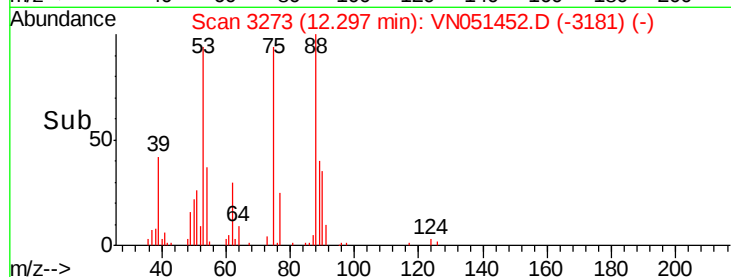
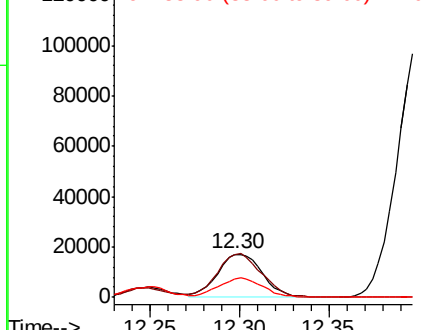
9/25/2018 11:31:01 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.011 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051452.D

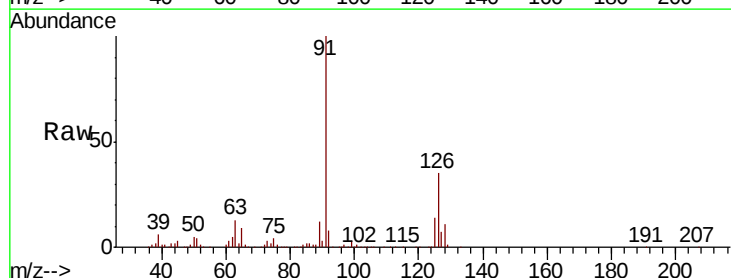
Acq: 24 Sep 2018 11:27

Tgt Ion: 91 Resp: 352203

Ion Ratio Lower Upper

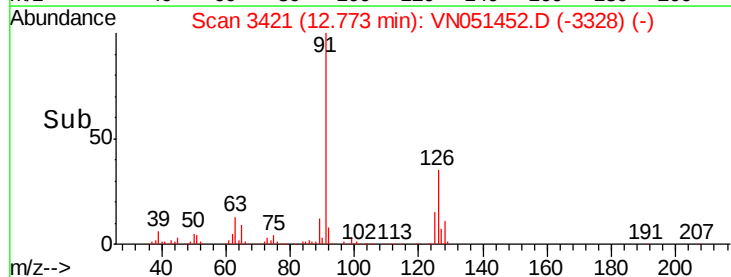
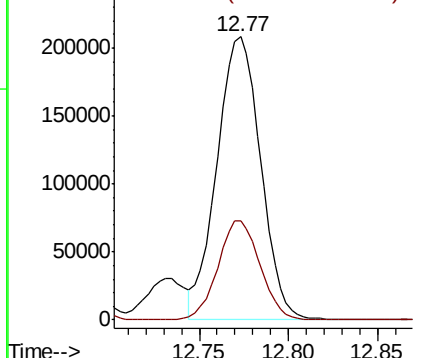
91 100

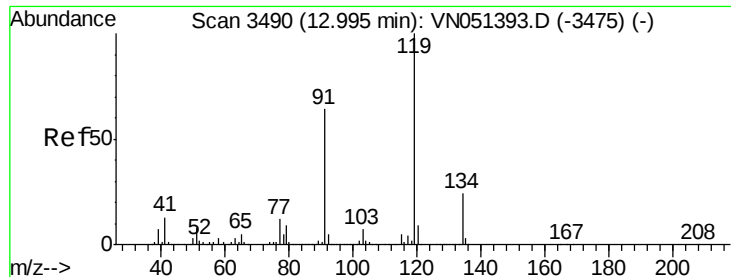
126 34.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





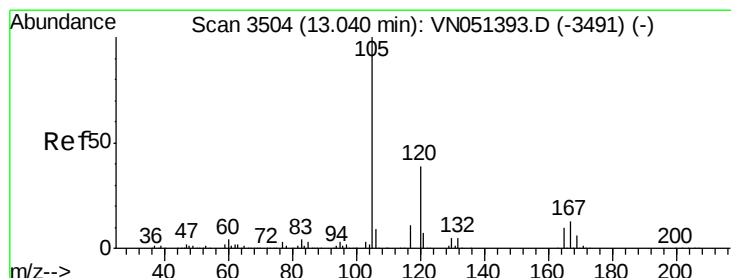
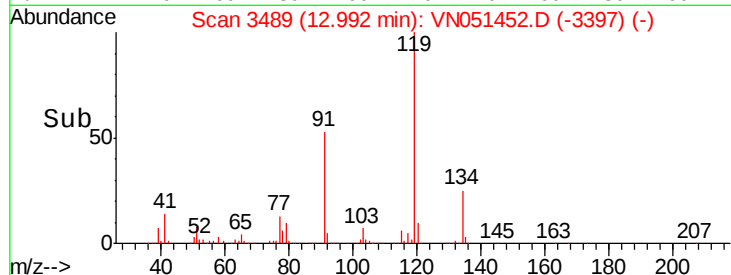
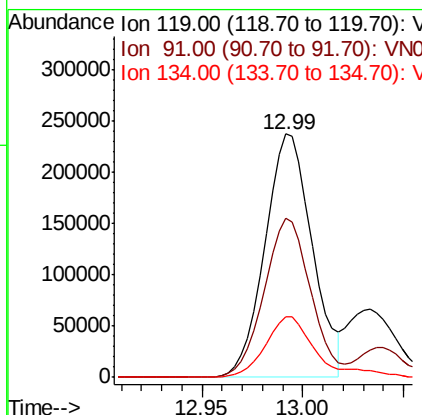
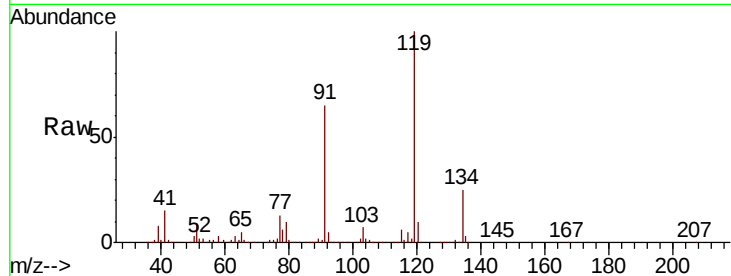
#83
tert-Butylbenzene
Concen: 20.393 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	386889		
91	64.0		31.7	95.1
134	24.5		12.3	36.9

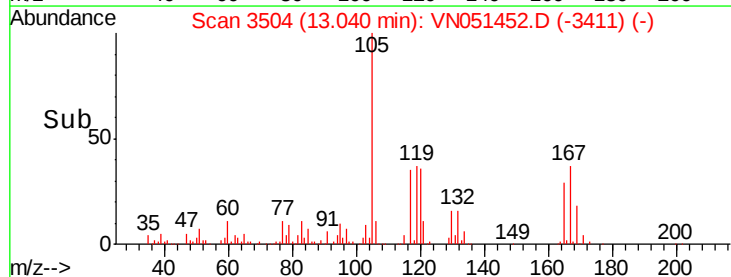
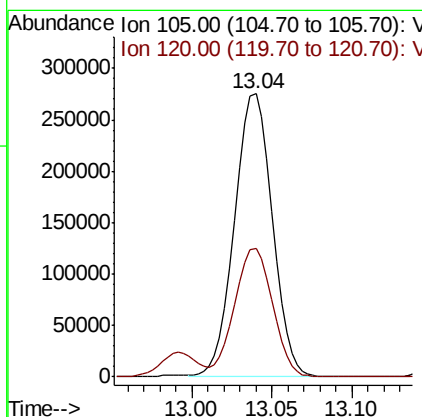
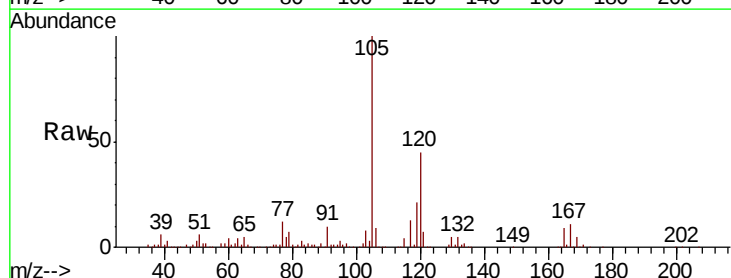
Manual Integrations
APPROVED

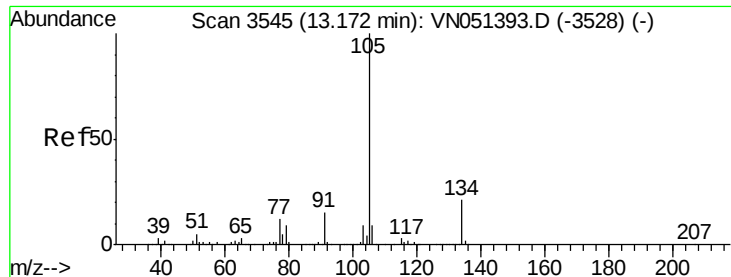
MMDadoda
9/25/2018 11:31:01 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.543 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	441223		
120	45.9		22.9	68.7





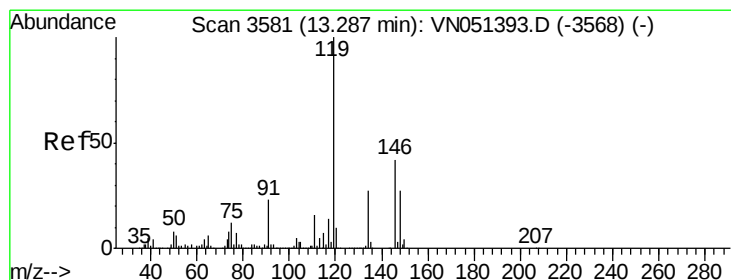
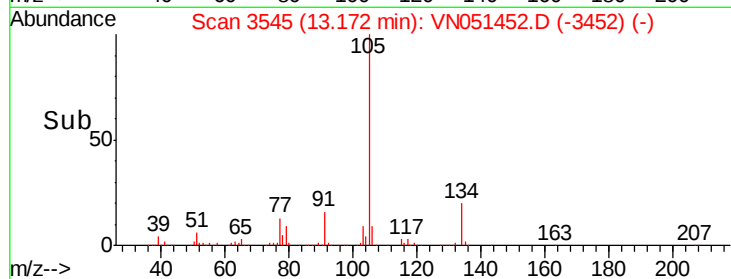
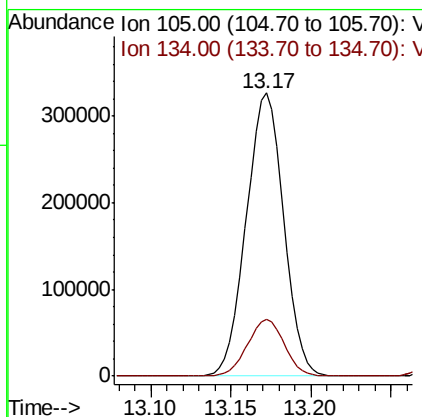
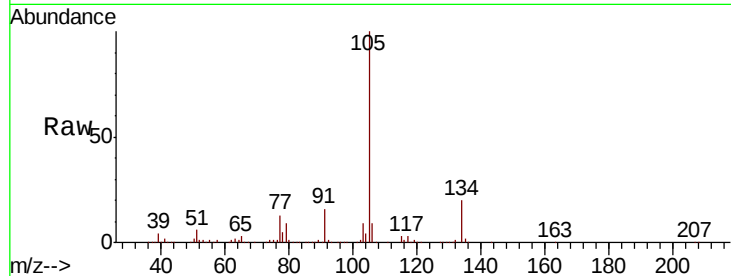
#85
 sec-Butylbenzene
 Concen: 20.343 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.4	31.1

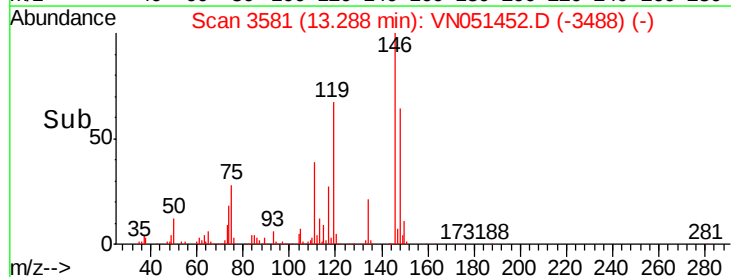
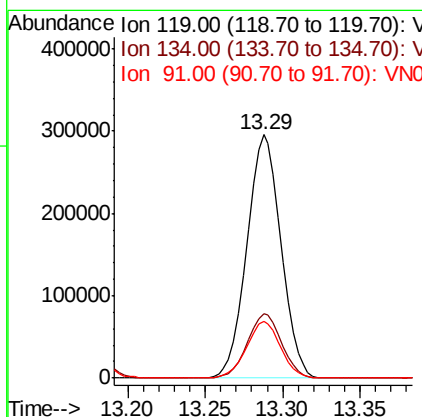
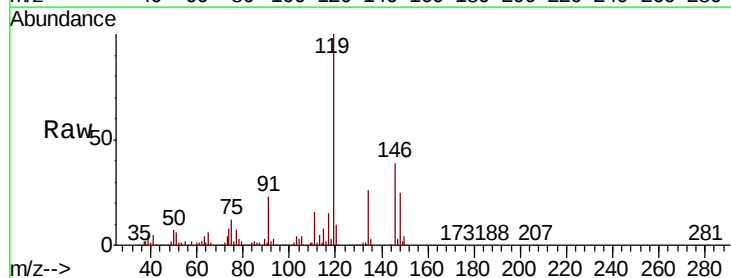
Manual Integrations
 APPROVED

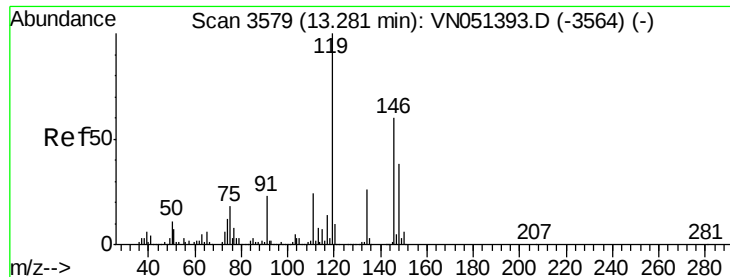
MMDadoda
 9/25/2018 11:31:01 AM



#86
 p-Isopropyltoluene
 Concen: 20.398 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.3	39.9
91	23.1	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 19.493 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

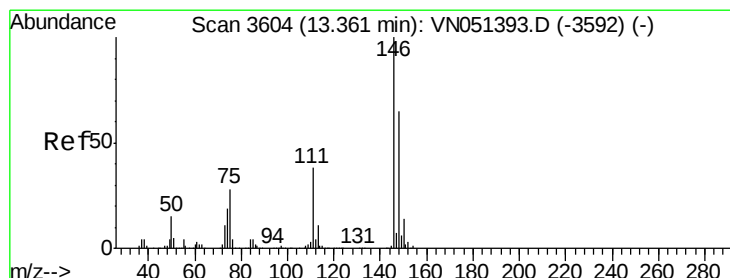
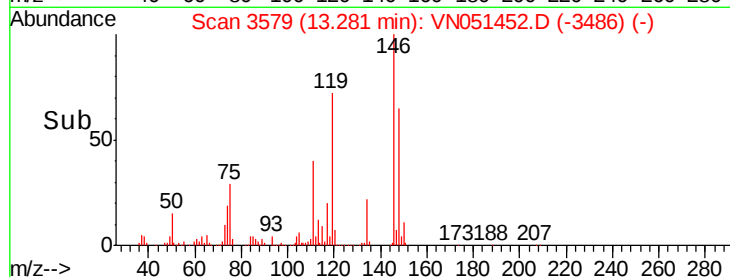
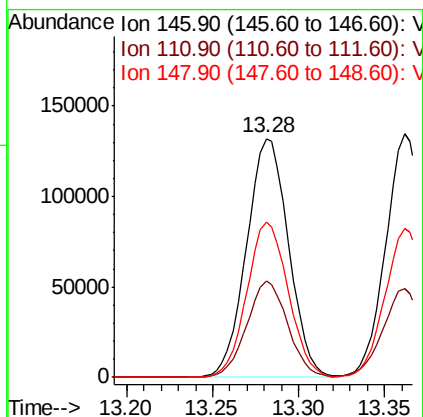
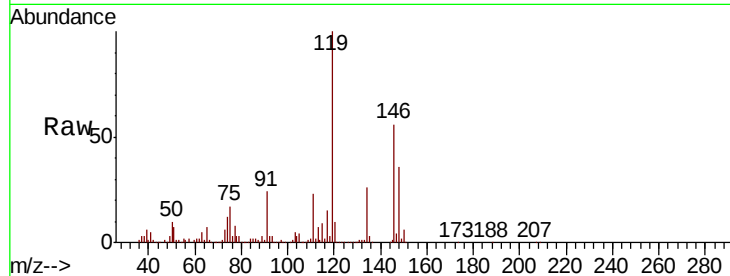
Instrument :
MSVOA_N

ClientSampled :
VN0924MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	223209		
111	39.3	19.7	59.1	
148	64.2	31.9	95.7	

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:01 AM



#88

1,4-Dichlorobenzene

Concen: 19.666 ug/l

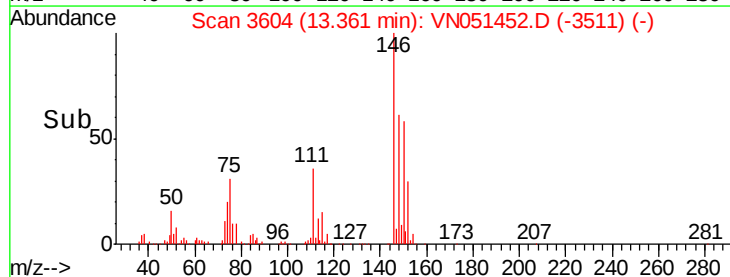
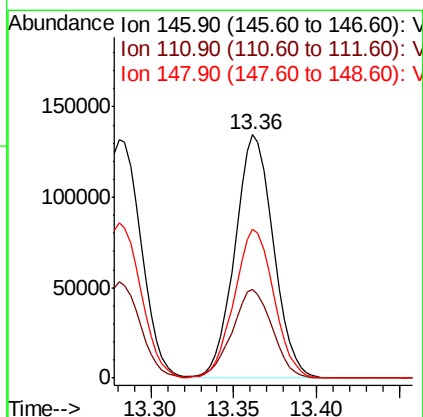
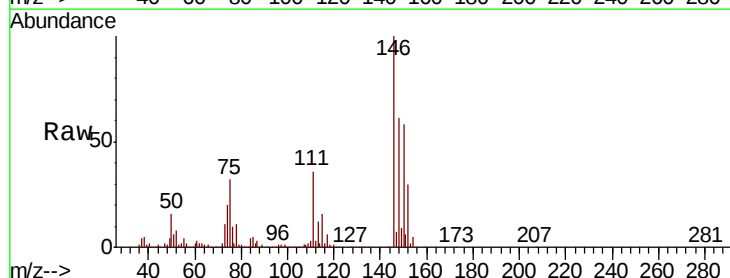
RT: 13.36 min Scan# 3604

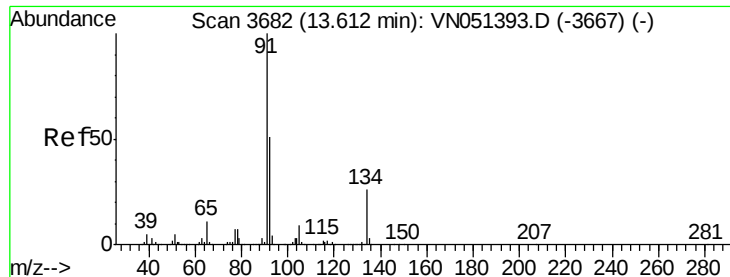
Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	216677		
111	38.0	19.1	57.1	
148	63.0	32.5	97.5	





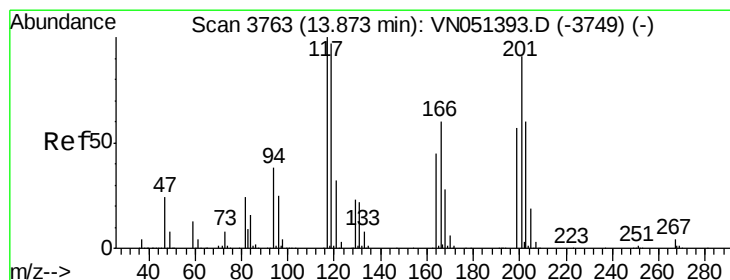
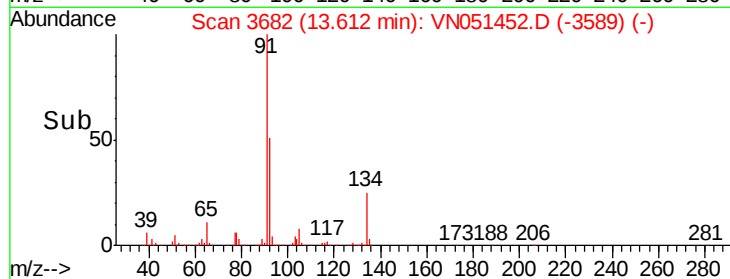
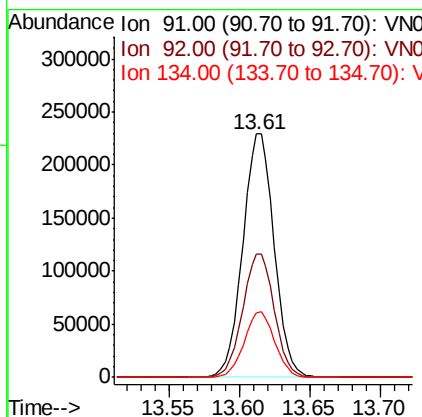
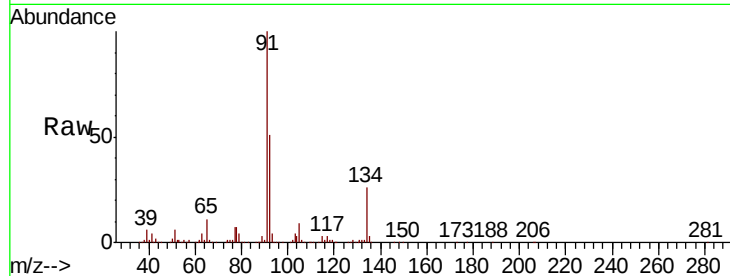
#89
n-Butylbenzene
Concen: 19.462 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.5	76.5
134	26.3	13.3	39.8

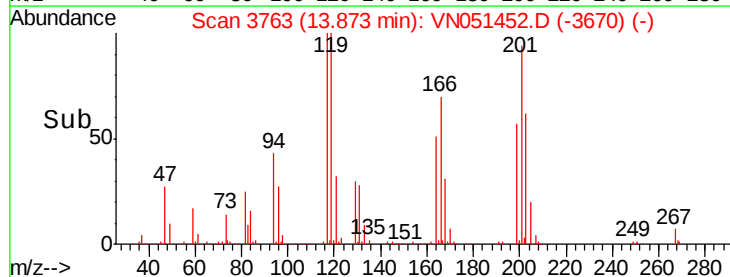
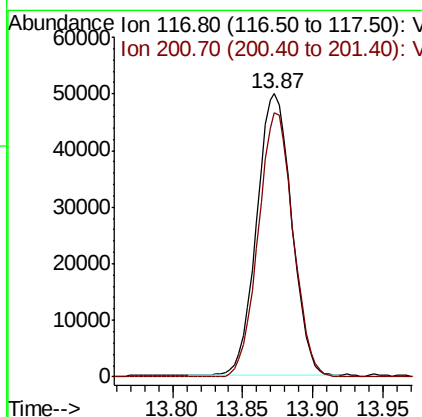
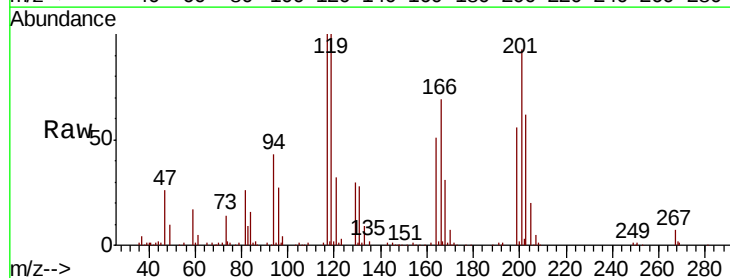
Manual Integrations
APPROVED

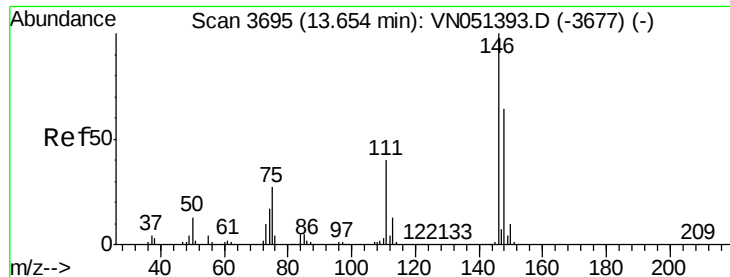
MMDadoda
9/25/2018 11:31:01 AM



#90
Hexachloroethane
Concen: 19.524 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051452.D
Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.9	45.5	136.4





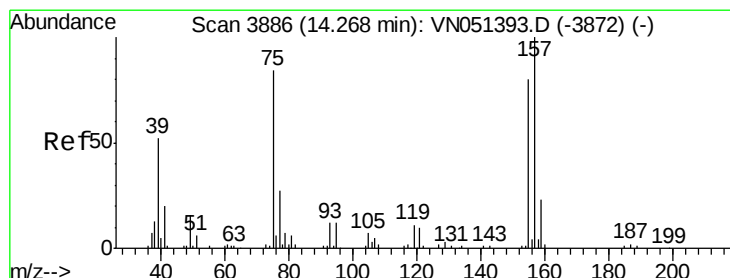
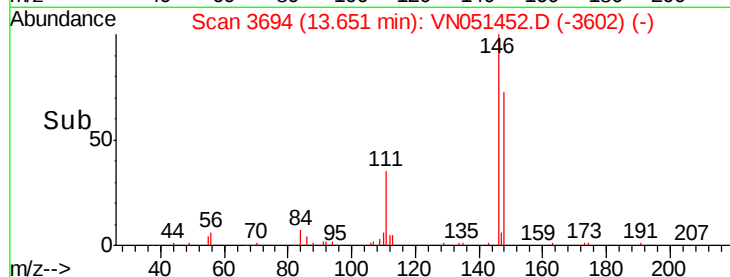
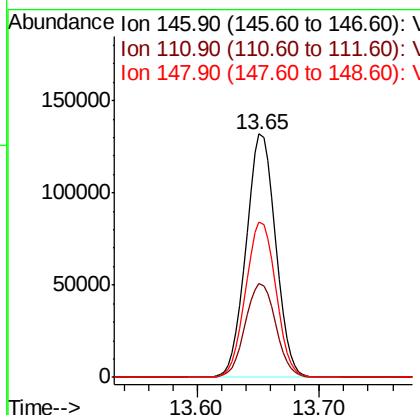
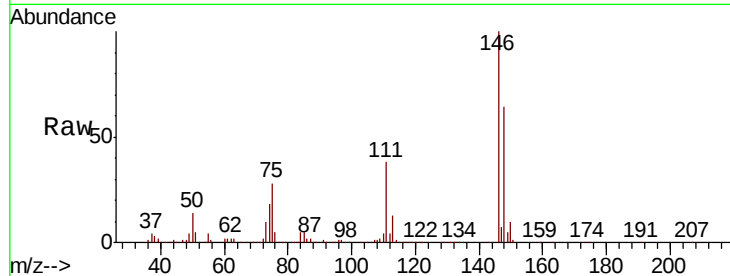
#91
 1,2-Dichlorobenzene
 Concen: 19.730 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0924MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	65.5	32.1	96.5

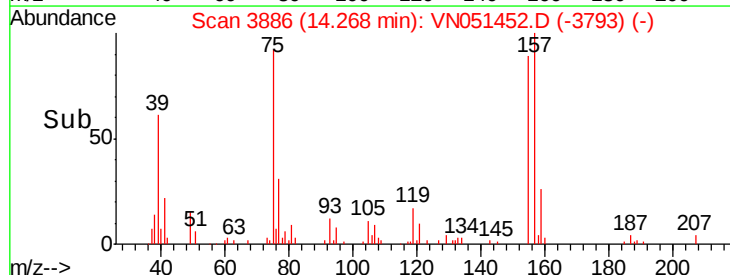
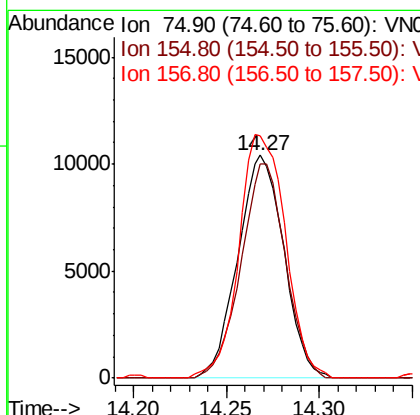
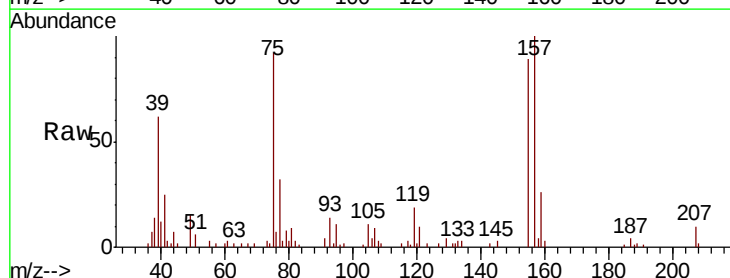
Manual Integrations
 APPROVED

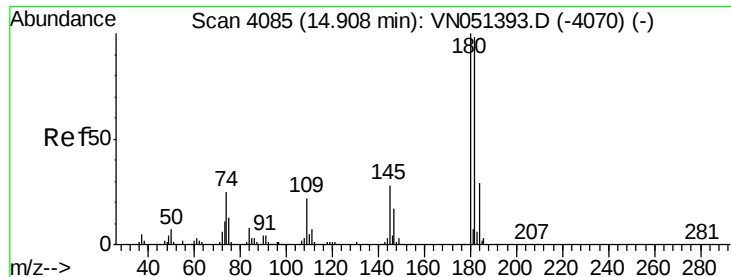
MMDadoda
 9/25/2018 11:31:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.644 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	46.9	140.6
157	110.8	58.4	175.1





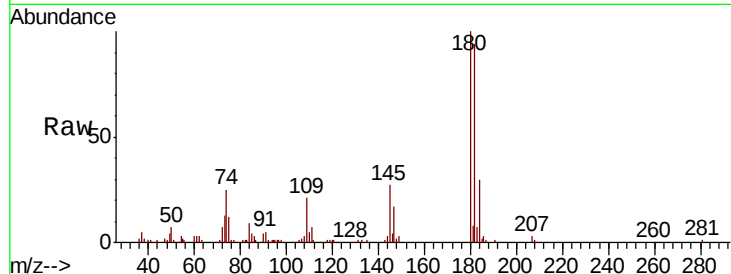
#93
 1,2,4-Trichlorobenzene
 Concen: 20.250 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBSD01

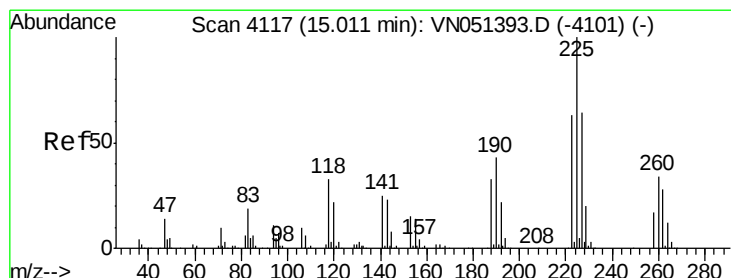
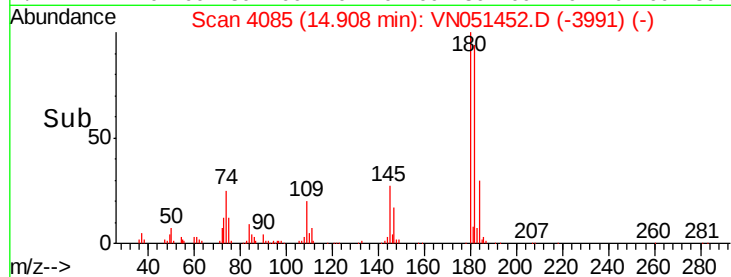
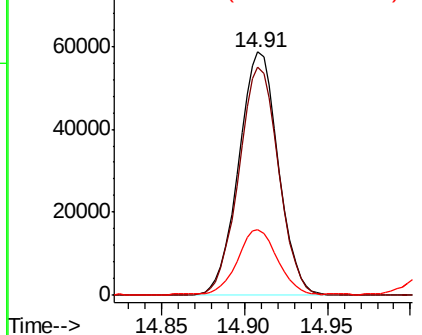
Tot Ion:	180	Resp:	97078
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.5	145.6
145	26.6	14.1	42.4

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:31:01 AM

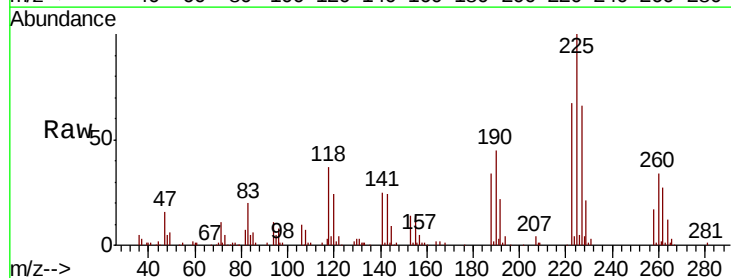


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

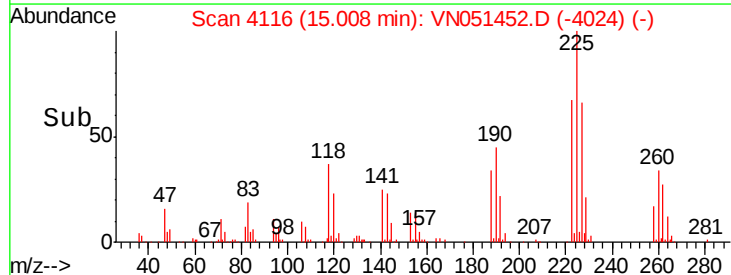
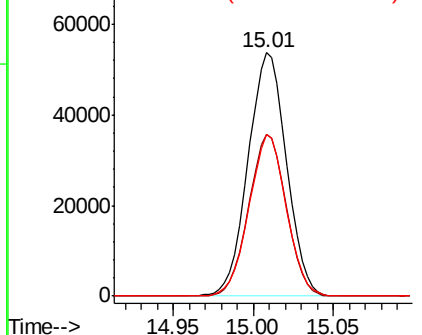


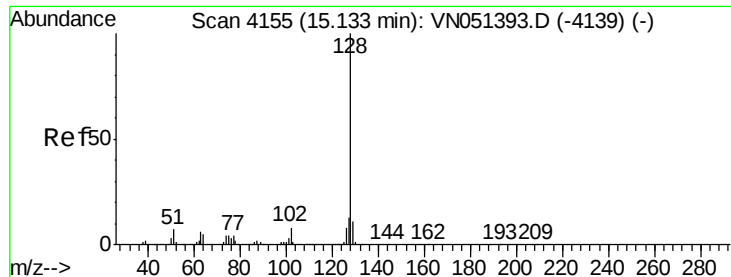
#94
 Hexachlorobutadiene
 Concen: 20.983 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051452.D
 Acq: 24 Sep 2018 11:27

Tgt Ion:	225	Resp:	88208
Ion Ratio	Lower	Upper	
225	100		
223	64.9	31.9	95.9
227	64.5	32.5	97.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.102 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Instrument :

MSVOA_N

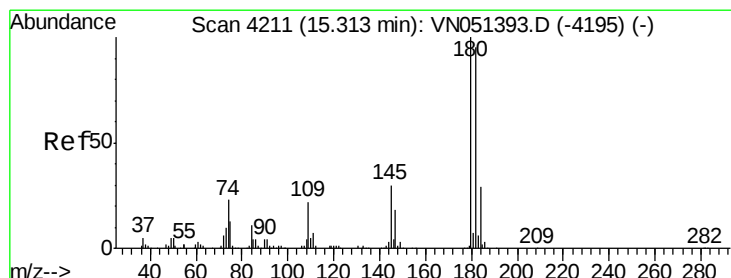
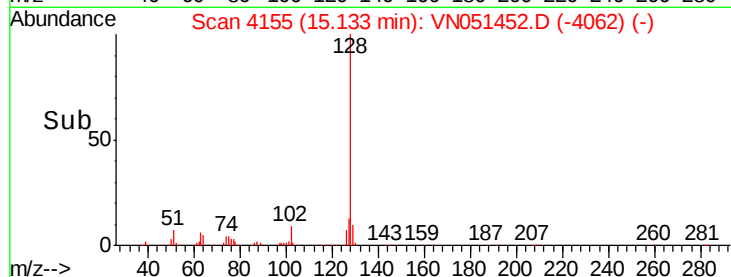
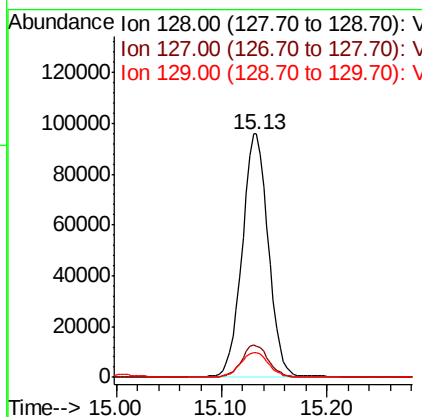
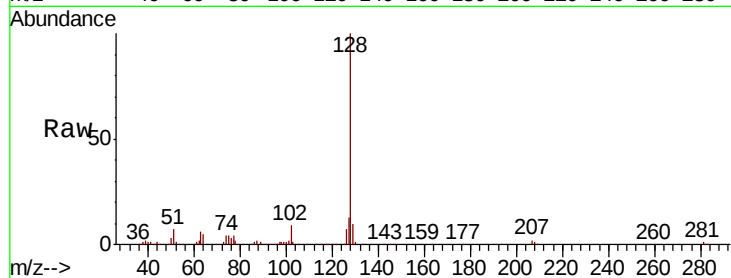
ClientSampleId :

VN0924MBSD01

Tot Ion:	128	Resp:	165523
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.5	15.7
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:01 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.875 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051452.D

Acq: 24 Sep 2018 11:27

Tgt Ion:	180	Resp:	100642
Ion Ratio	Lower	Upper	
180	100		
182	97.8	47.2	141.6
145	31.5	14.6	43.8

