

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051450.D
 Acq On : 24 Sep 2018 10:38
 Operator : MD\SY
 Sample : VN0924MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:31:00 AM

Quant Time: Sep 25 02:28:02 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	513044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	716376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	636928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	299249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	321612	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	7.59	113	291297	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.09	98	1076029	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	334451	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	90230	18.851	ug/l	94
3) Chloromethane	2.06	50	156132	20.491	ug/l	100
4) Vinyl Chloride	2.18	62	167765	19.949	ug/l	100
5) Bromomethane	2.57	94	106057	21.079	ug/l	100
6) Chloroethane	2.71	64	106253	20.277	ug/l	97
7) Trichlorofluoromethane	3.02	101	213133	19.349	ug/l	100
8) Diethyl Ether	3.41	74	58638	15.038	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	111467	17.930	ug/l	96
10) Methyl Iodide	3.96	142	147127	17.994	ug/l	97
11) Tert butyl alcohol	4.79	59	30371	83.733	ug/l #	78
12) 1,1-Dichloroethene	3.74	96	99407	17.415	ug/l	97
13) Acrolein	3.61	56	28340	78.684	ug/l	100
14) Allyl chloride	4.33	41	170421	17.795	ug/l	100
15) Acrylonitrile	5.00	53	169149	85.728	ug/l	99
16) Acetone	3.82	43	131965	75.618	ug/l	96
17) Carbon Disulfide	4.05	76	293362	17.493	ug/l	99
18) Methyl Acetate	4.33	43	91298	18.653	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	261708	17.779	ug/l	98
20) Methylene Chloride	4.55	84	119369	18.770	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	107021	18.327	ug/l	99
22) Diisopropyl ether	5.95	45	371065	20.044	ug/l	96
23) Vinyl Acetate	5.90	43	1105131	90.929	ug/l	100
24) 1,1-Dichloroethane	5.85	63	217234	19.667	ug/l	98
25) 2-Butanone	6.84	43	194400	88.374	ug/l	94
26) 2,2-Dichloropropane	6.83	77	176104	20.425	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	122112	19.058	ug/l	98
28) Bromochloromethane	7.20	49	101058	19.812	ug/l	100
29) Tetrahydrofuran	7.21	42	120641	86.543	ug/l	99
30) Chloroform	7.37	83	219570	20.062	ug/l	99
31) Cyclohexane	7.66	56	186826	18.461	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	187977	20.090	ug/l	99
36) 1,1-Dichloropropene	7.79	75	160481	19.345	ug/l	98
37) Ethyl Acetate	6.93	43	87827	18.413	ug/l	99
38) Carbon Tetrachloride	7.77	117	170665	19.669	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051450.D
 Acq On : 24 Sep 2018 10:38
 Operator : MD\SY
 Sample : VN0924MBS01
 Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0924MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:31:00 AM

Quant Time: Sep 25 02:28:02 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	175575	18.105	ug/l	97
40) Benzene	8.04	78	488870	20.070	ug/l	100
41) Methacrylonitrile	7.18	41	50605	19.177	ug/l	92
42) 1,2-Dichloroethane	8.13	62	156751	20.097	ug/l	98
43) Isopropyl Acetate	8.17	43	166178	19.267	ug/l #	89
44) Trichloroethene	8.83	130	126692	19.582	ug/l	100
45) 1,2-Dichloropropane	9.12	63	132651	20.034	ug/l	97
46) Dibromomethane	9.21	93	73347	19.605	ug/l	99
47) Bromodichloromethane	9.40	83	164079	19.818	ug/l	100
48) Methyl methacrylate	9.20	41	75339	17.520	ug/l	99
49) 1,4-Dioxane	9.20	88	19296	366.144	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	421025	88.759	ug/l	99
52) Toluene	10.16	92	298765	19.736	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	152645	18.262	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	185075	19.093	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	104121	19.462	ug/l	99
56) Ethyl methacrylate	10.43	69	116631	17.831	ug/l	99
57) 1,3-Dichloropropane	10.71	76	178340	19.449	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	287266	94.910	ug/l	99
59) 2-Hexanone	10.75	43	264236	85.931	ug/l	98
60) Dibromochloromethane	10.90	129	120473	19.086	ug/l	100
61) 1,2-Dibromoethane	11.00	107	97565	18.786	ug/l	97
64) Tetrachloroethene	10.63	164	121083	20.947	ug/l	95
65) Chlorobenzene	11.43	112	312739	19.138	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	123478	19.833	ug/l	100
67) Ethyl Benzene	11.51	91	516519	18.755	ug/l	100
68) m/p-Xylenes	11.62	106	406363	38.147	ug/l	100
69) o-Xylene	11.95	106	192006	18.749	ug/l	97
70) Styrene	11.96	104	299626	18.464	ug/l	100
71) Bromoform	12.12	173	77851	18.428	ug/l #	98
73) Isopropylbenzene	12.25	105	517279	20.487	ug/l	99
74) N-amyl acetate	12.07	43	112482	17.756	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	118162	20.069	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	101283m	20.388	ug/l	
77) Bromobenzene	12.53	156	126141	19.735	ug/l	97
78) n-propylbenzene	12.59	91	579927	20.380	ug/l	100
79) 2-Chlorotoluene	12.67	91	348795	20.477	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	426658	20.724	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	28536	17.663	ug/l	94
82) 4-Chlorotoluene	12.77	91	344272	20.250	ug/l	100
83) tert-Butylbenzene	12.99	119	374872	20.457	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	432963	20.870	ug/l	100
85) sec-Butylbenzene	13.17	105	506430	20.428	ug/l	99
86) p-Isopropyltoluene	13.29	119	428229	19.963	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	219714	19.864	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	204119	19.179	ug/l	99
89) n-Butylbenzene	13.61	91	326551	18.512	ug/l	99
90) Hexachloroethane	13.87	117	86356	20.205	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	213488	19.892	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16383	19.498	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
Data File : VN051450.D
Acq On : 24 Sep 2018 10:38
Operator : MD\SY
Sample : VN0924MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

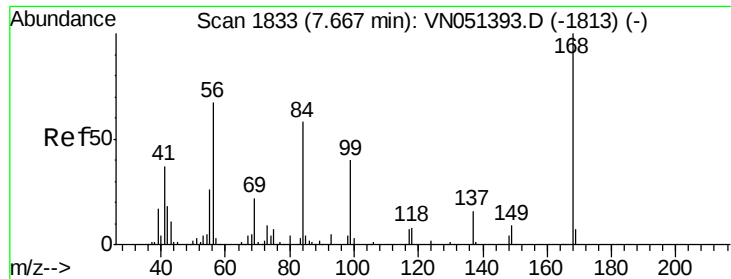
Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM

Quant Time: Sep 25 02:28:02 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	85731	19.026	ug/l	97
94) Hexachlorobutadiene	15.01	225	80742	19.884	ug/l	98
95) Naphthalene	15.13	128	134617	18.197	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	86393	16.774	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBS01

Tot Ion:168 Resp: 513044

Ion Ratio Lower Upper

168 100

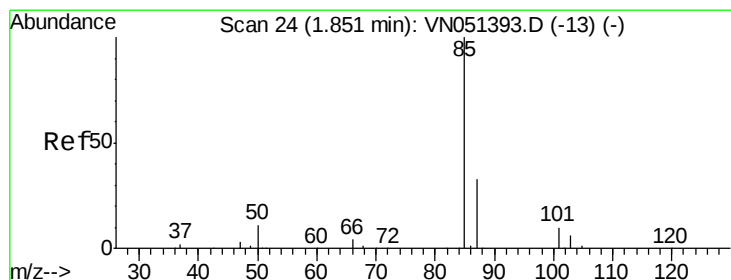
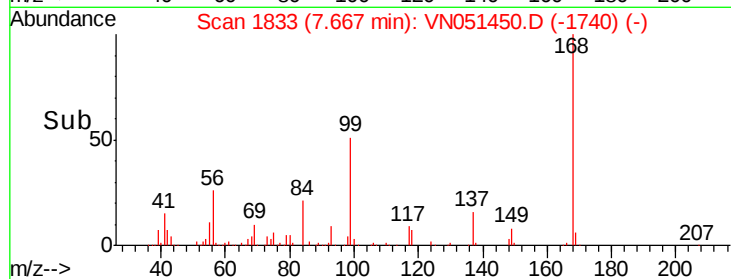
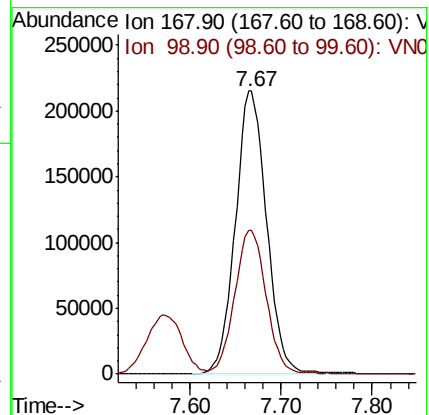
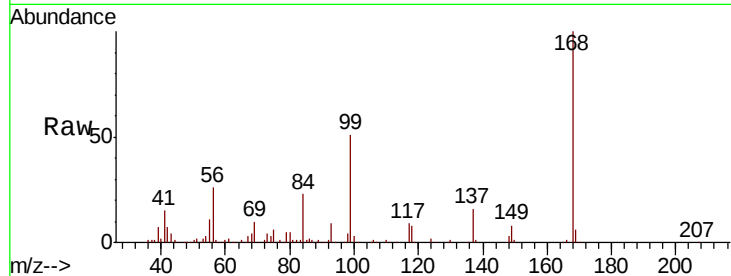
99 50.3 40.2 60.2

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:00 AM



#2

Dichlorodifluoromethane

Concen: 18.851 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051450.D

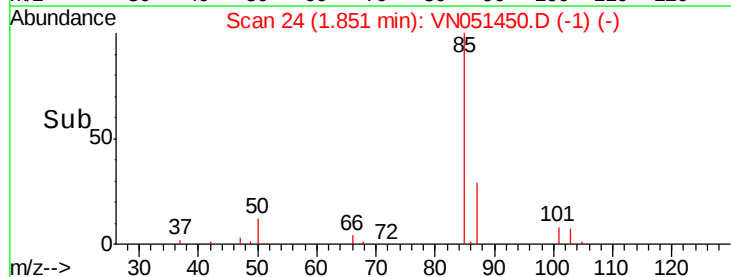
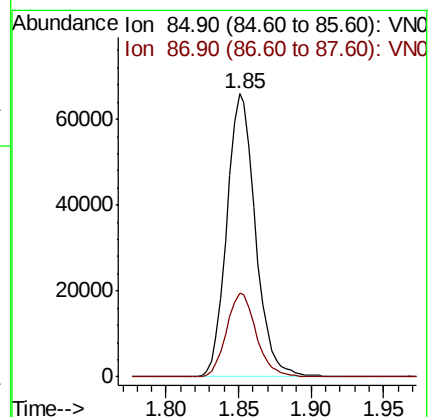
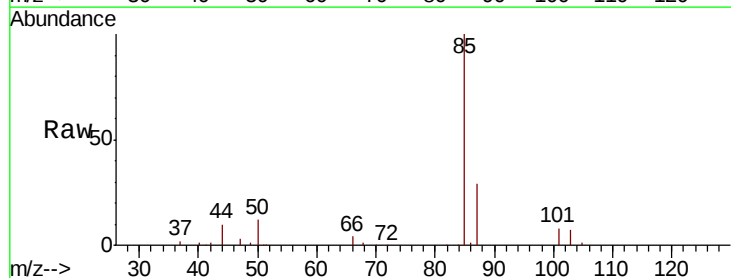
Acq: 24 Sep 2018 10:38

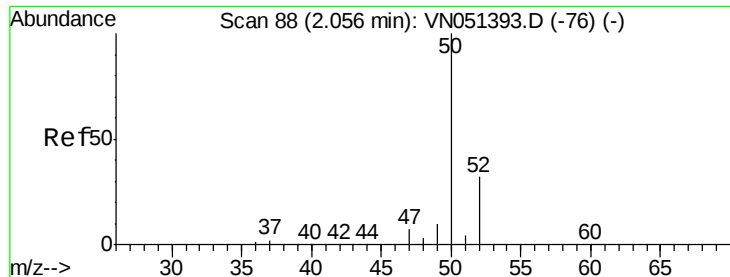
Tgt Ion: 85 Resp: 90230

Ion Ratio Lower Upper

85 100

87 29.4 16.3 48.9





#3

Chloromethane

Concen: 20.491 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

VN0924MBS01

Tot Ion: 50 Resp: 156132

Ion Ratio Lower Upper

50 100

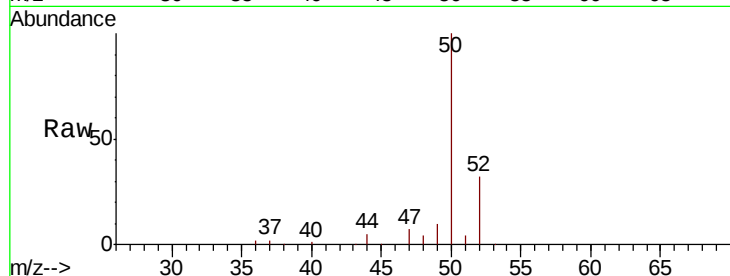
52 32.1 25.7 38.5

Manual Integrations

APPROVED

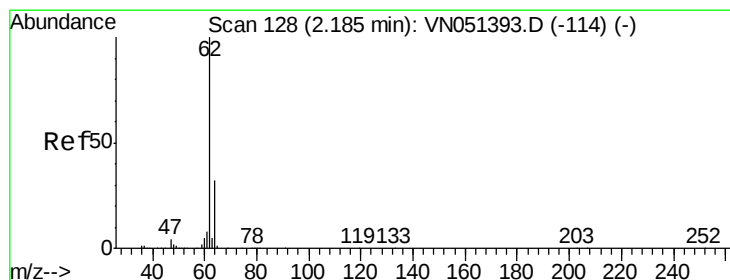
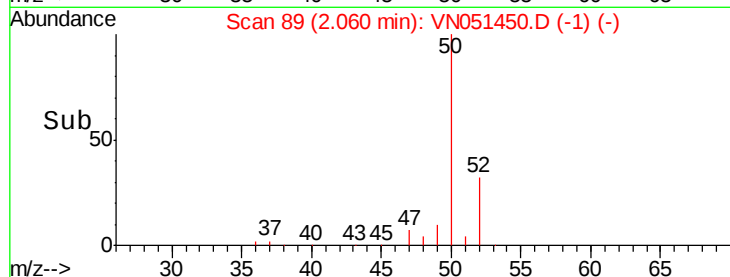
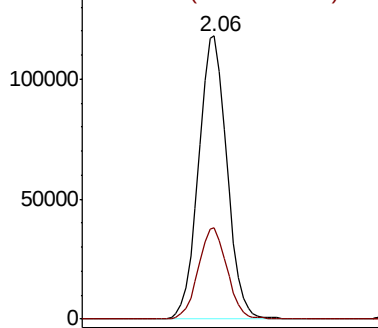
MMDadoda

9/25/2018 11:31:00 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.949 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051450.D

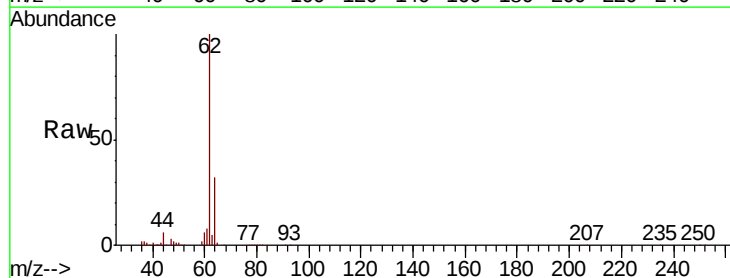
Acq: 24 Sep 2018 10:38

Tgt Ion: 62 Resp: 167765

Ion Ratio Lower Upper

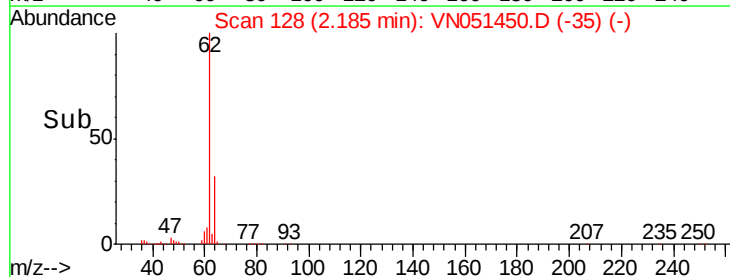
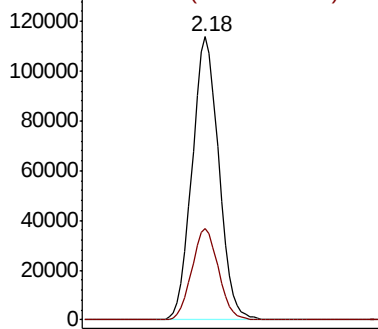
62 100

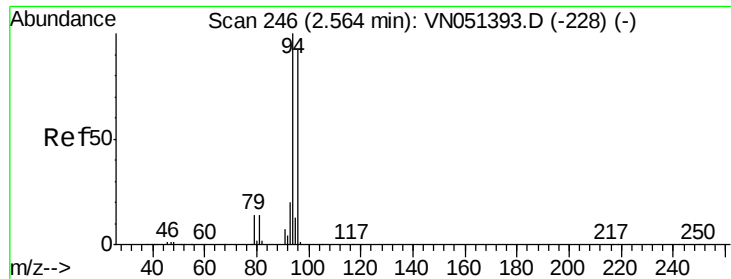
64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.079 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBS01

Tot Ion: 94 Resp: 106057

Ion Ratio Lower Upper

94 100

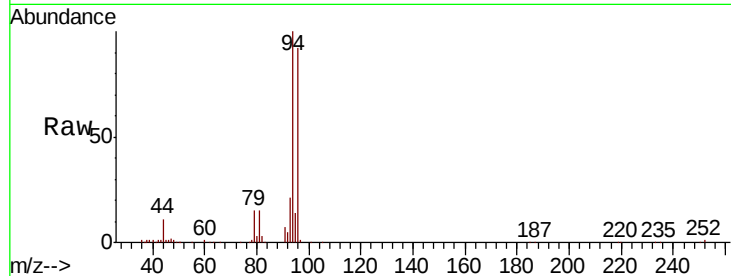
96 92.4 73.6 110.4

Manual Integrations

APPROVED

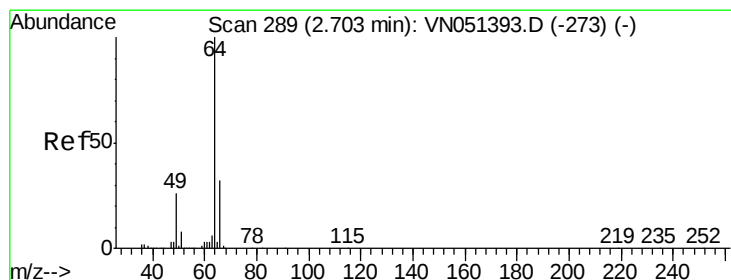
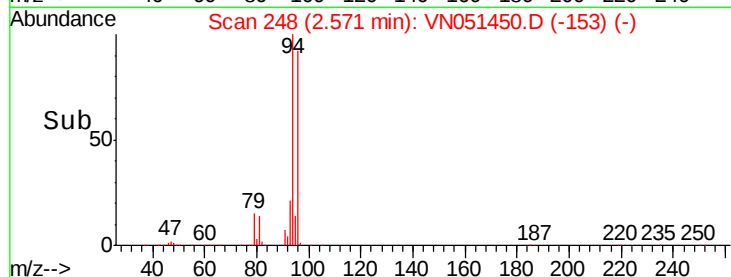
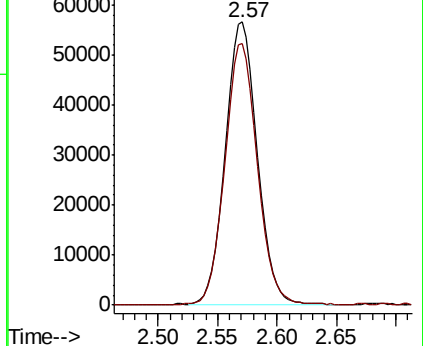
MMDadoda

9/25/2018 11:31:00 AM



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 20.277 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051450.D

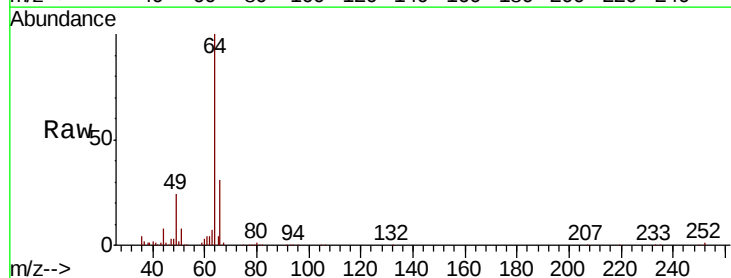
Acq: 24 Sep 2018 10:38

Tgt Ion: 64 Resp: 106253

Ion Ratio Lower Upper

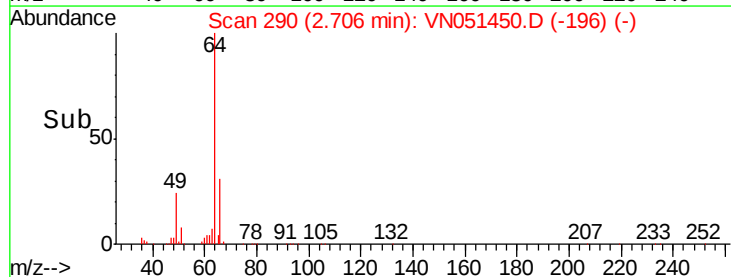
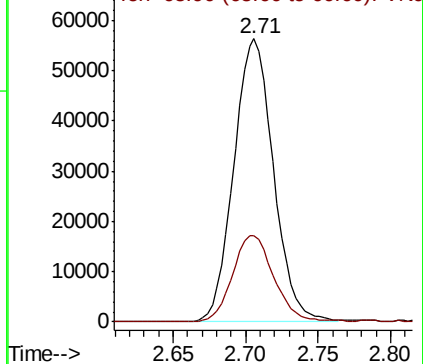
64 100

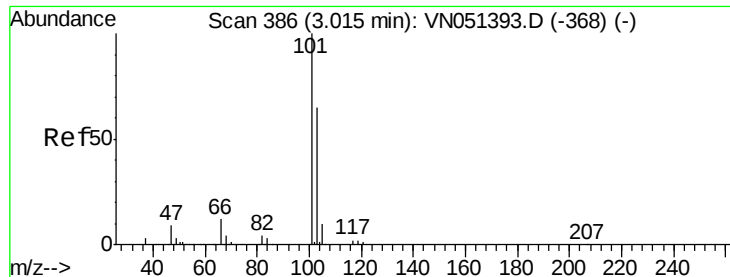
66 30.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

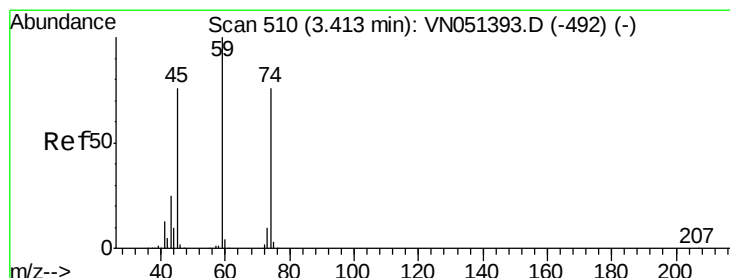
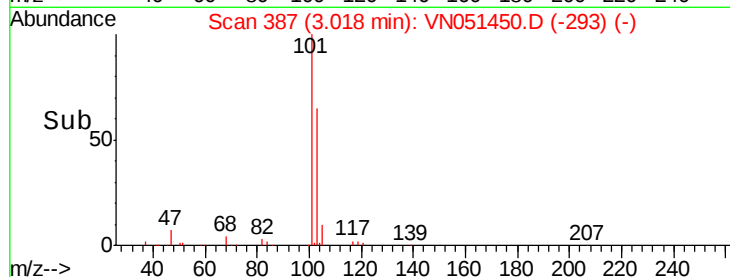
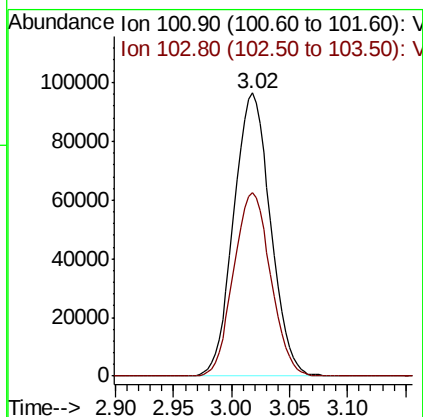
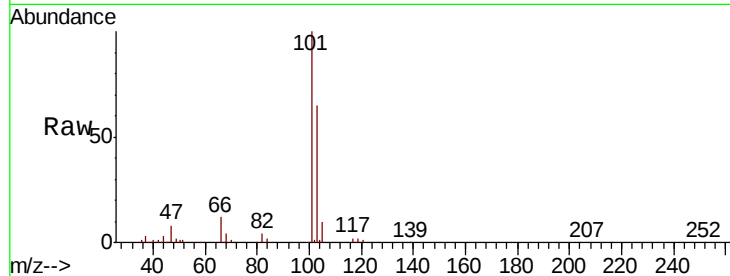
Trichlorofluoromethane
 Concen: 19.349 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0924MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	213133		
103	64.8	51.8	77.8	

Manual Integrations
 APPROVED

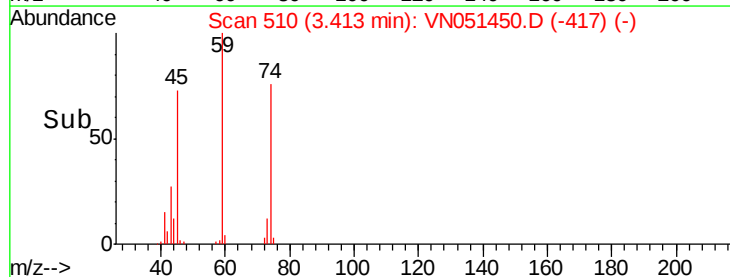
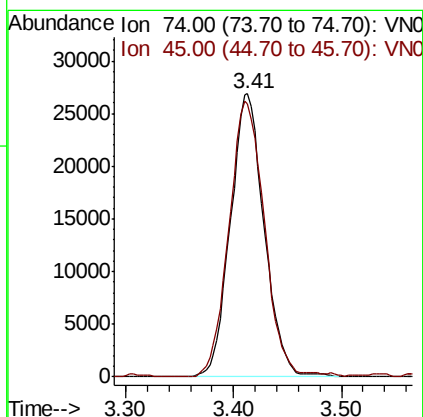
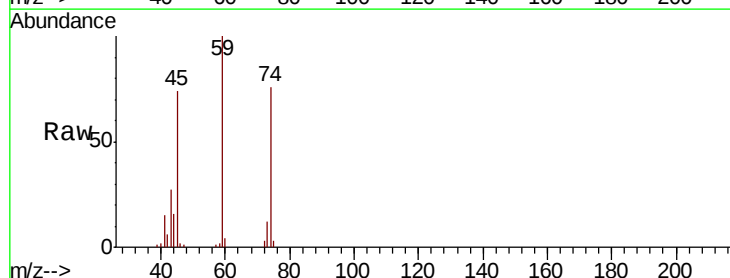
MMDadoda
 9/25/2018 11:31:00 AM

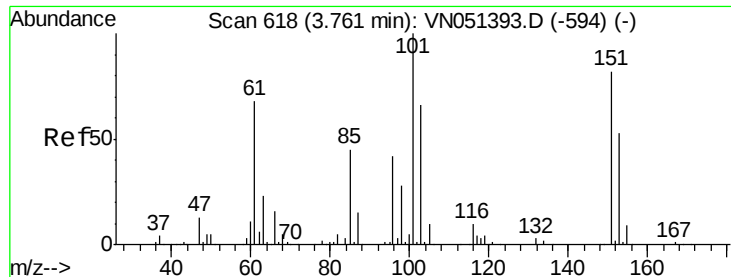


#8

Diethyl Ether
 Concen: 15.038 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	58638		
45	101.9	50.2	150.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.930 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

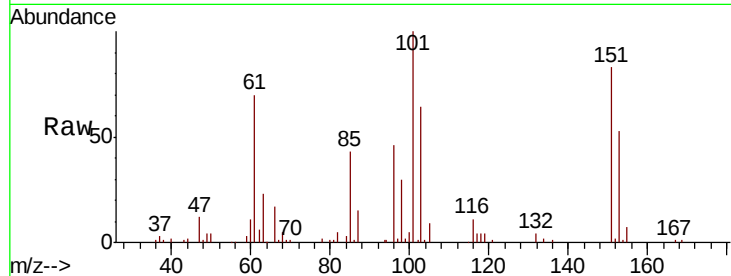
ClientSampleId :

VN0924MBS01

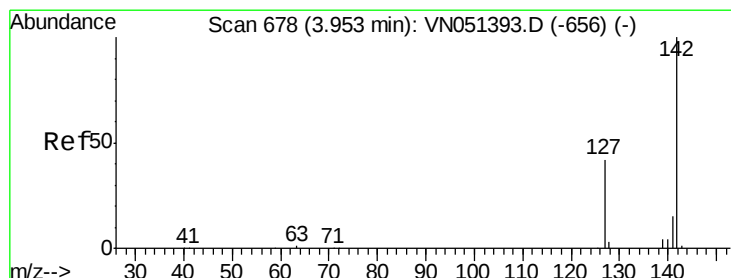
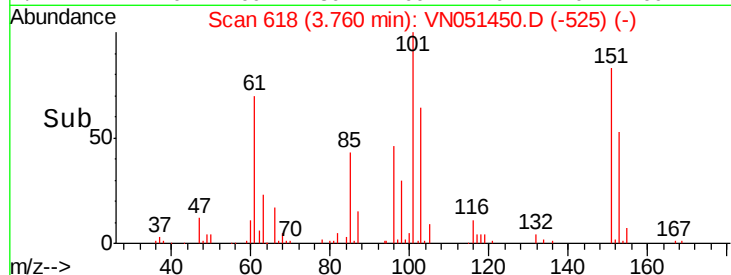
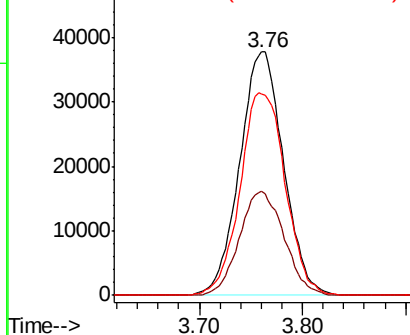
Tot Ion:	101	Resp:	111467
Ion Ratio	Lower	Upper	
101	100		
85	43.4	33.9	50.9
151	85.8	65.2	97.8

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 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: 17.994 ug/l

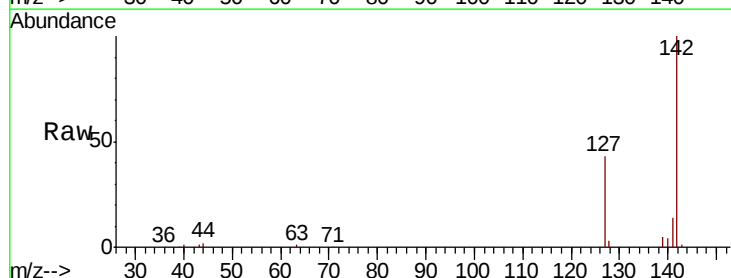
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

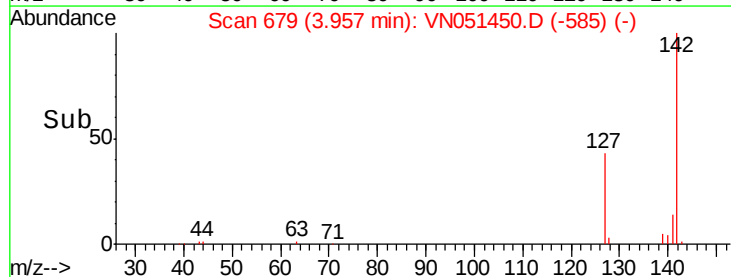
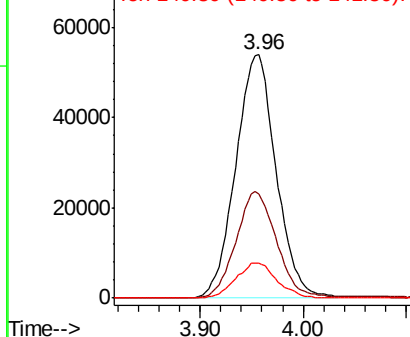
Lab File: VN051450.D

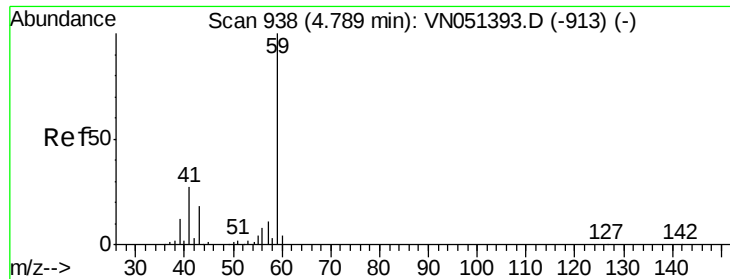
Acq: 24 Sep 2018 10:38

Tgt Ion:	142	Resp:	147127
Ion Ratio	Lower	Upper	
142	100		
127	44.0	33.2	49.8
141	14.6	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





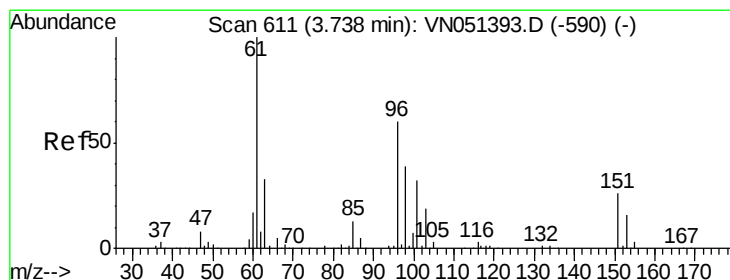
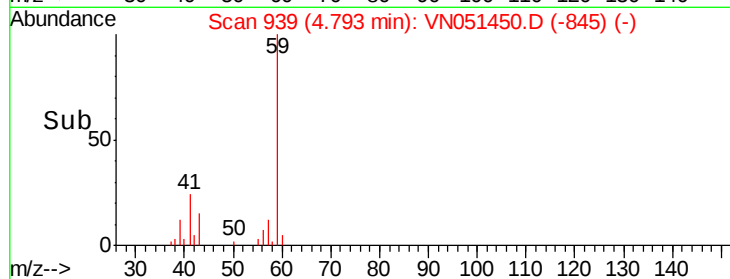
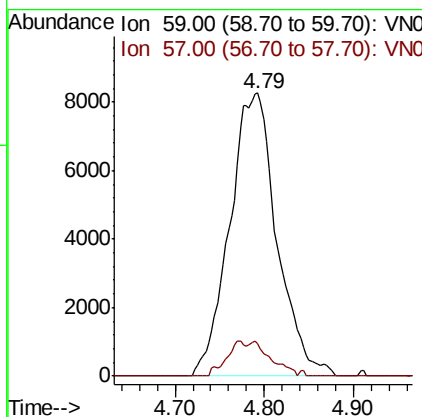
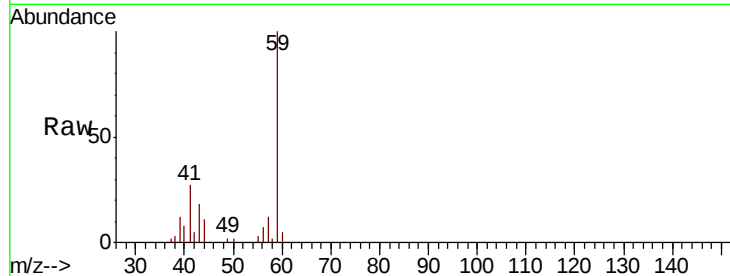
#11
Tert butyl alcohol
Concen: 83.733 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion: 59 Resp: 30371
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.2#

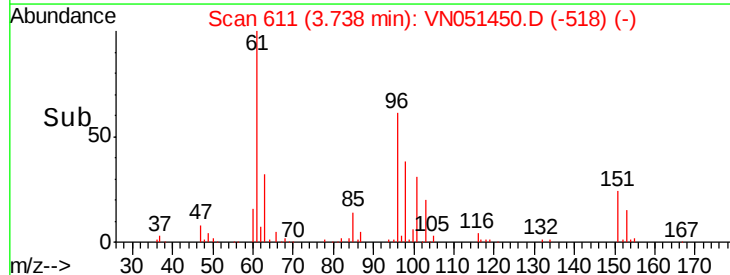
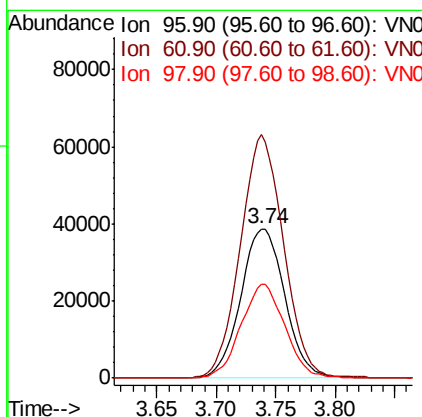
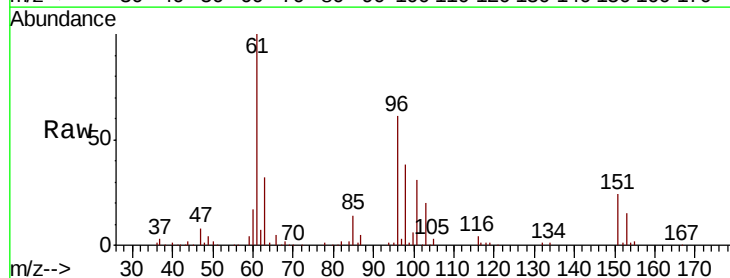
Manual Integrations
APPROVED

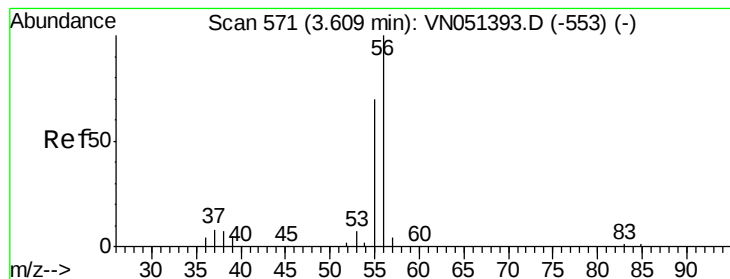
MMDadoda
9/25/2018 11:31:00 AM



#12
1,1-Dichloroethene
Concen: 17.415 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion: 96 Resp: 99407
Ion Ratio Lower Upper
96 100
61 162.9 133.6 200.4
98 62.6 52.2 78.2





#13

Acrolein

Concen: 78.684 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBS01

Tot Ion: 56 Resp: 28340

Ion Ratio Lower Upper

56 100

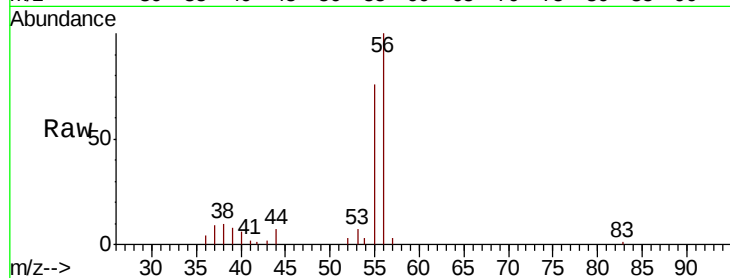
55 72.3 57.8 86.8

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:00 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

4000

2000

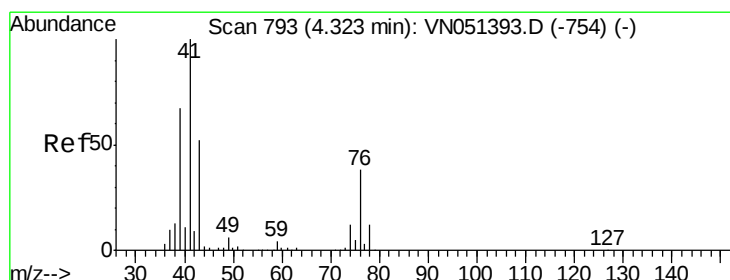
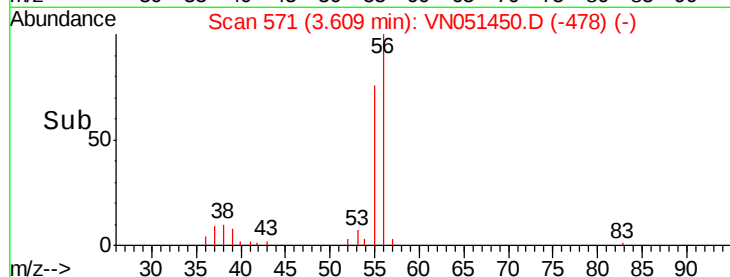
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 17.795 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

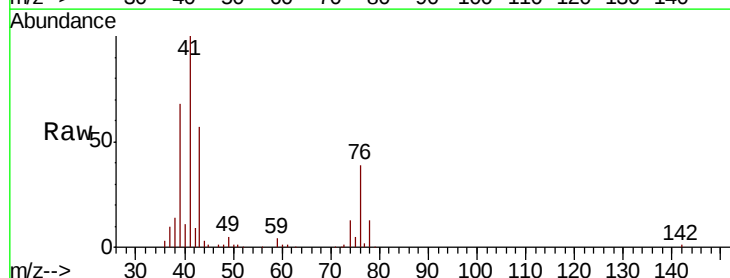
Tgt Ion: 41 Resp: 170421

Ion Ratio Lower Upper

41 100

39 64.0 51.4 77.2

76 35.3 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

60000

40000

20000

0

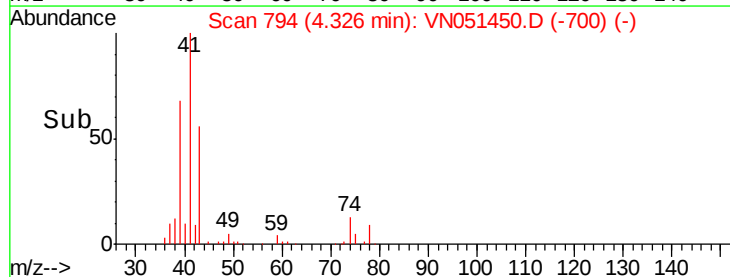
Time-->

4.20

4.30

4.40

4.50





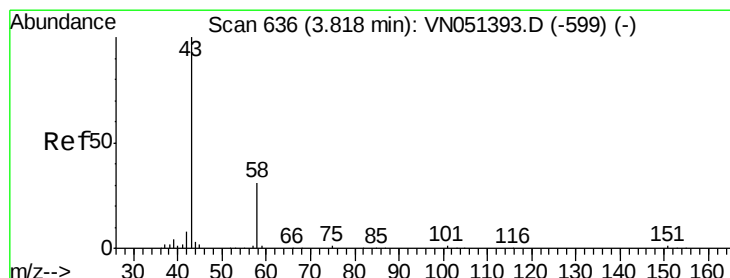
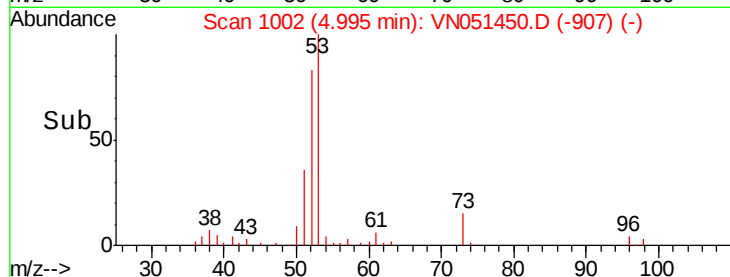
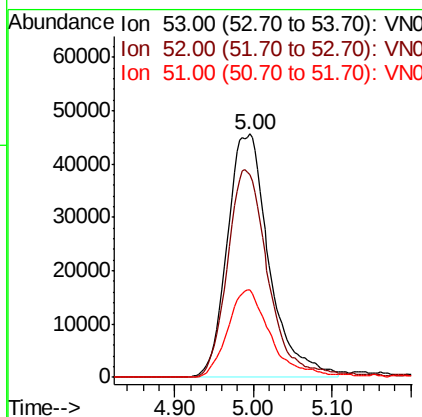
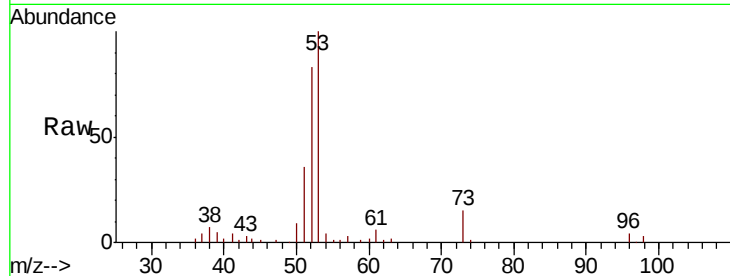
#15
 Acrylonitrile
 Concen: 85.728 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.2
51	36.7	28.6	42.8

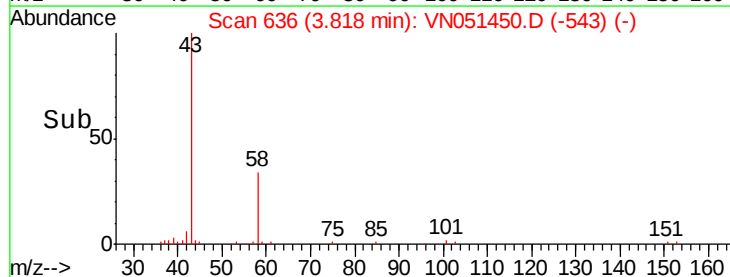
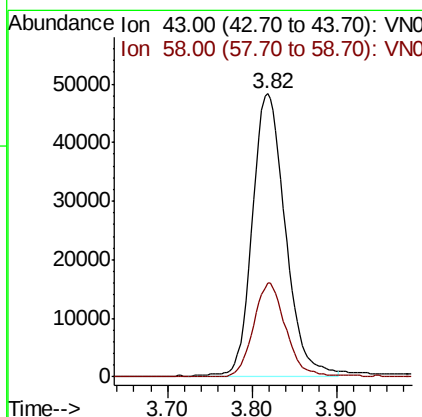
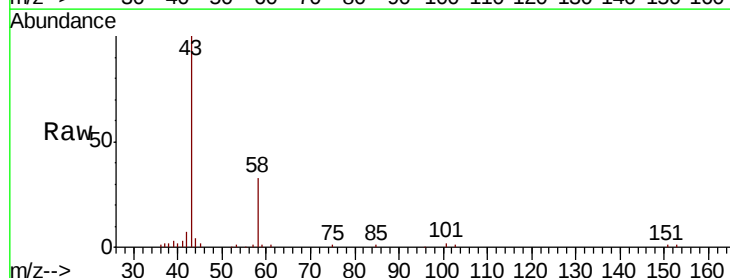
Manual Integrations
 APPROVED

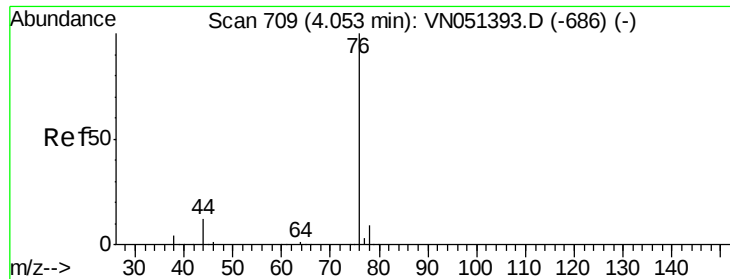
MMDadoda
 9/25/2018 11:31:00 AM



#16
 Acetone
 Concen: 75.618 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.4	25.0	37.4





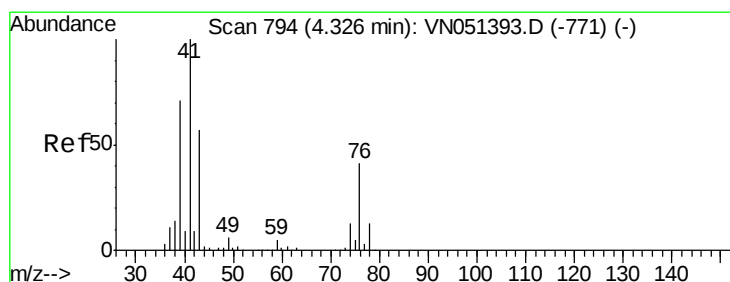
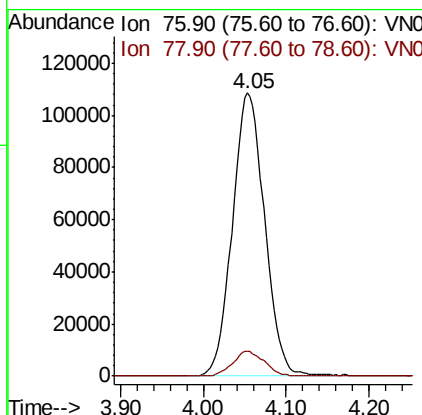
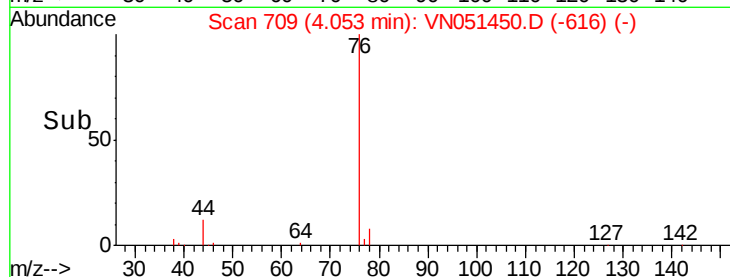
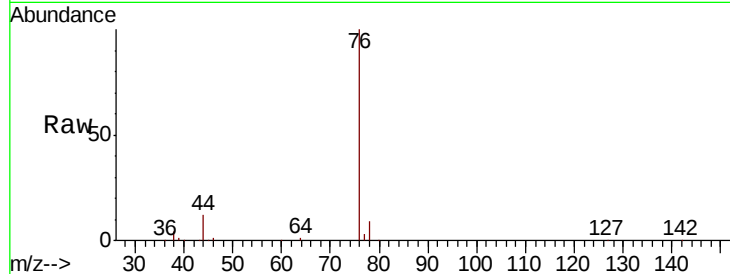
#17
Carbon Disulfide
Concen: 17.493 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

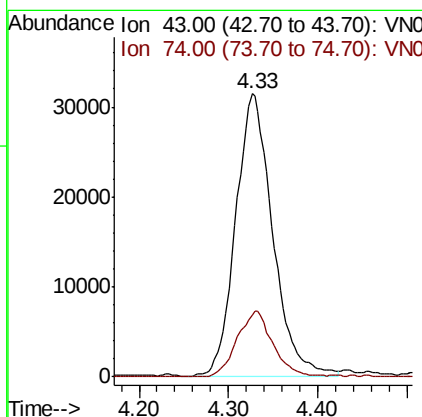
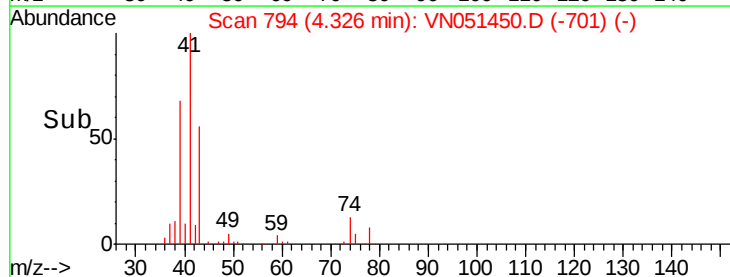
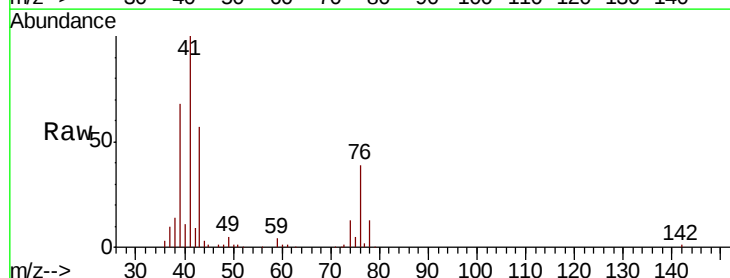
Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM



#18
Methyl Acetate
Concen: 18.653 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.8	28.2





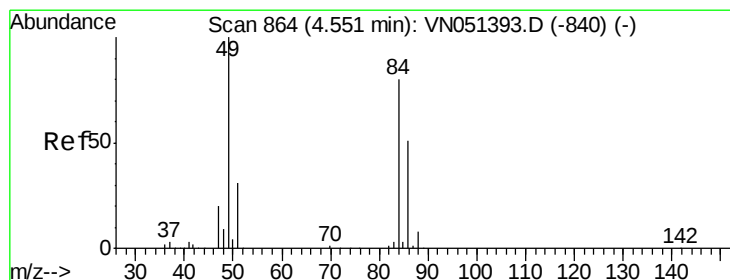
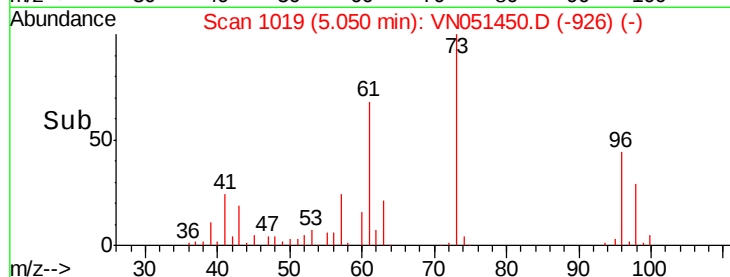
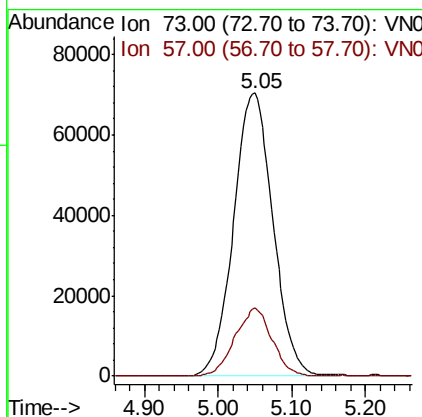
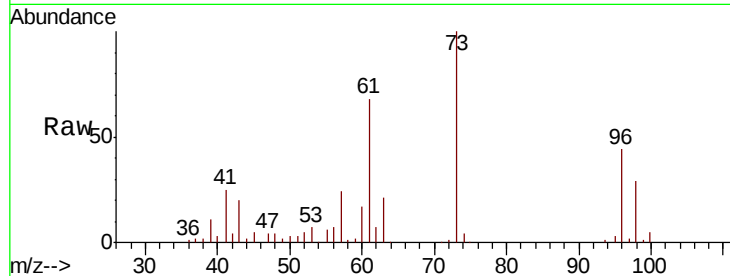
#19
Methvl tert-butvl Ether
Concen: 17.779 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion: 73 Resp: 261708
Ion Ratio Lower Upper
73 100
57 24.0 18.3 27.5

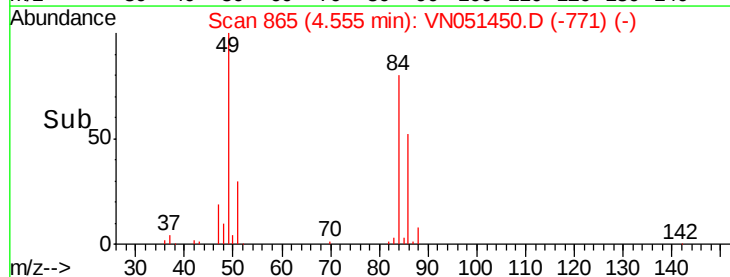
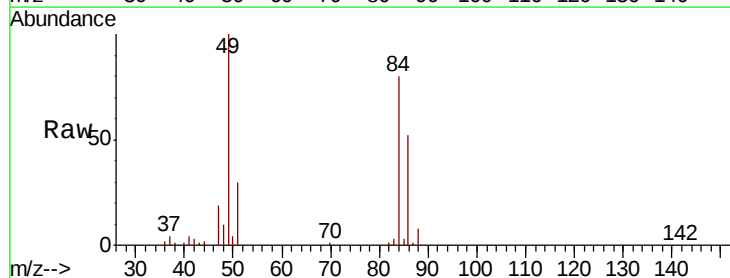
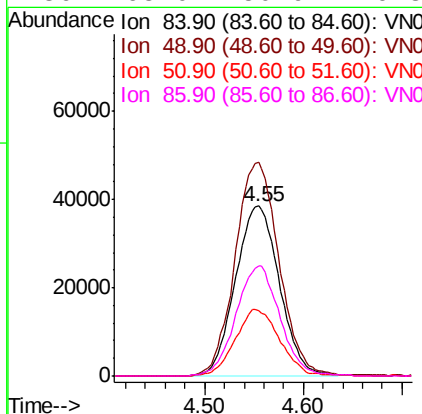
Manual Integrations
APPROVED

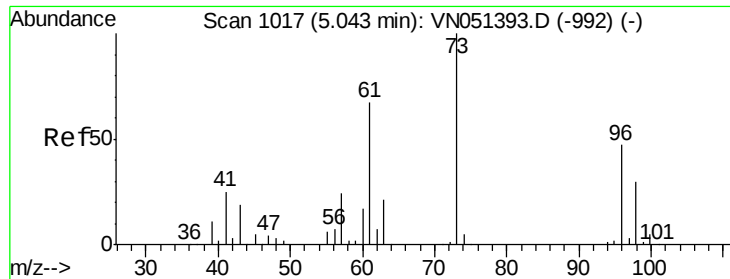
MMDadoda
9/25/2018 11:31:00 AM



#20
Methylene Chloride
Concen: 18.770 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion: 84 Resp: 119369
Ion Ratio Lower Upper
84 100
49 125.5 99.9 149.9
51 38.2 31.4 47.2
86 65.0 50.9 76.3





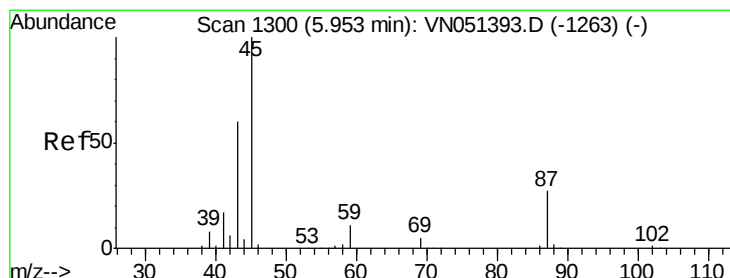
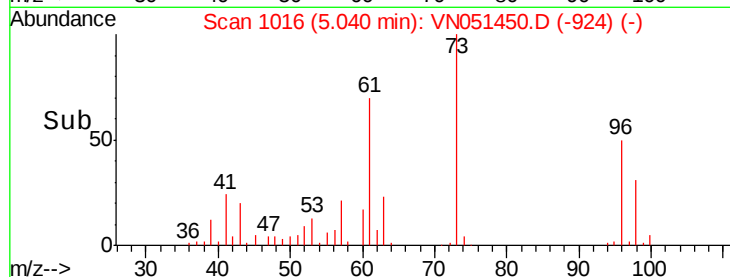
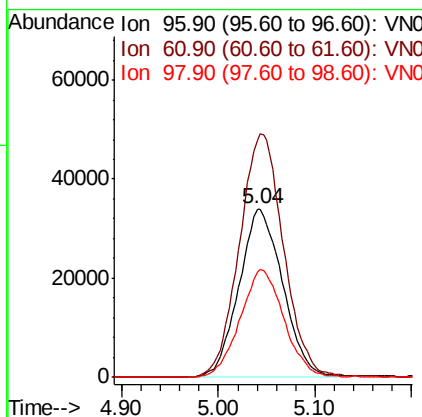
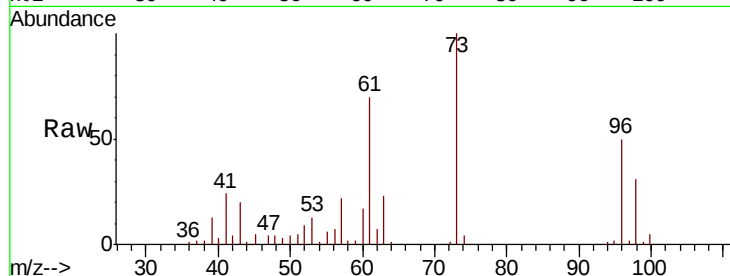
#21
trans-1,2-Dichloroethene
Concen: 18.327 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	113.4	170.2
98	62.2	51.1	76.7

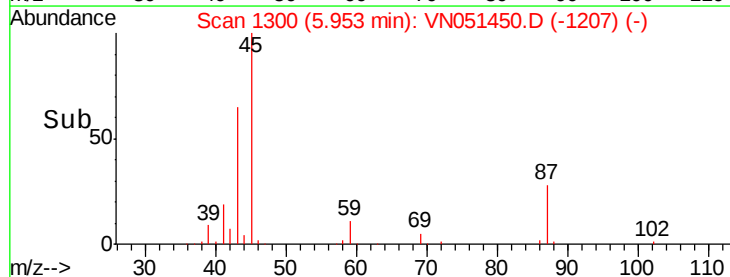
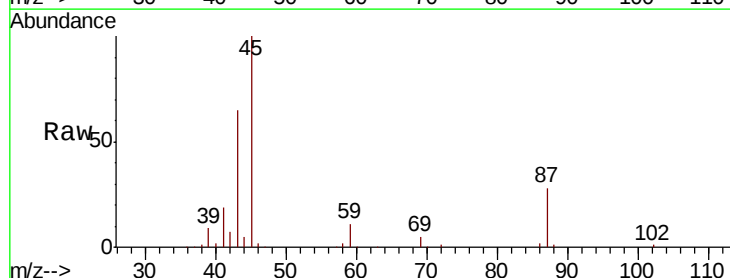
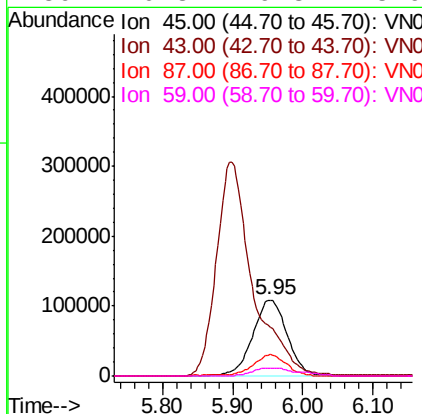
Manual Integrations
APPROVED

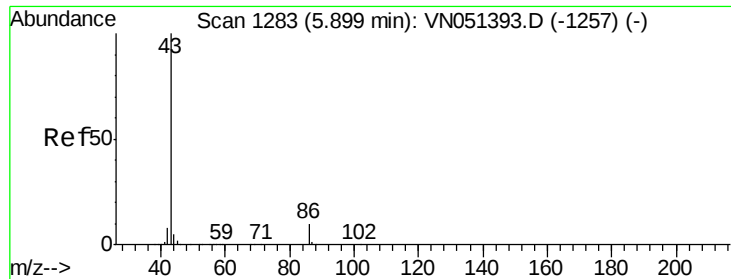
MMDadoda
9/25/2018 11:31:00 AM



#22
Diisopropyl ether
Concen: 20.044 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.3	47.7	71.5
87	27.8	22.0	33.0
59	10.3	9.3	13.9





#23

Vinyl Acetate

Concen: 90.929 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

VN0924MBS01

Tot Ion: 43 Resp: 1105131

Ion Ratio Lower Upper

43 100

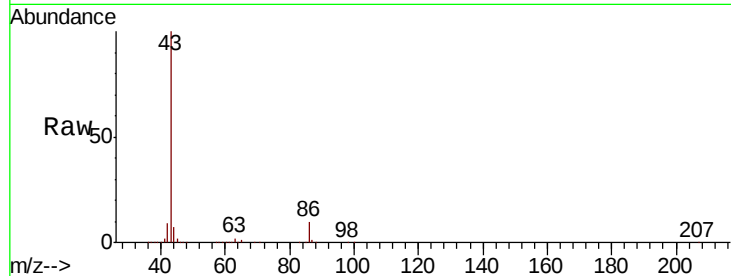
86 10.0 8.2 12.2

Manual Integrations

APPROVED

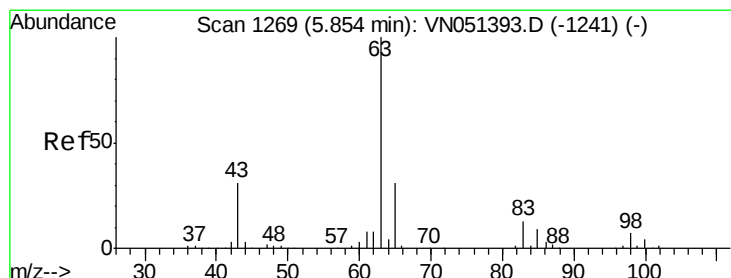
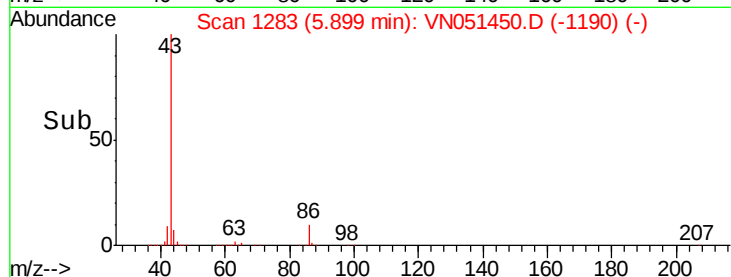
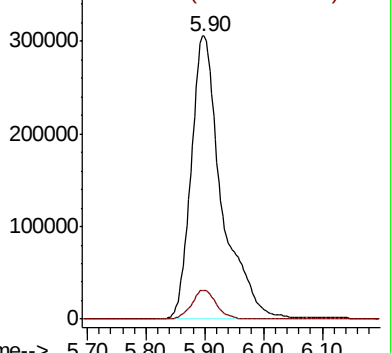
MMDadoda

9/25/2018 11:31:00 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: 19.667 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

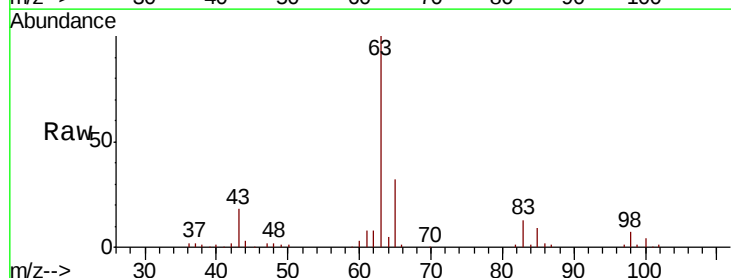
Tgt Ion: 63 Resp: 217234

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

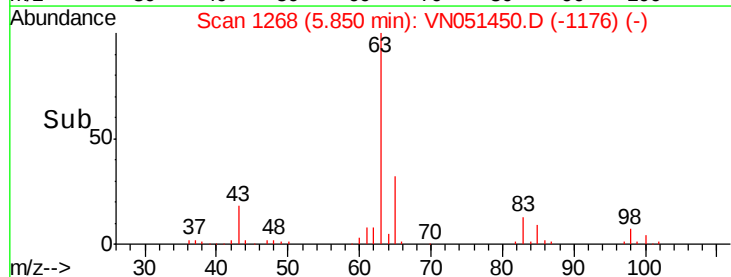
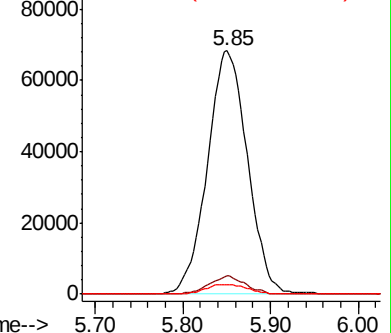
100 4.0 2.2 6.6

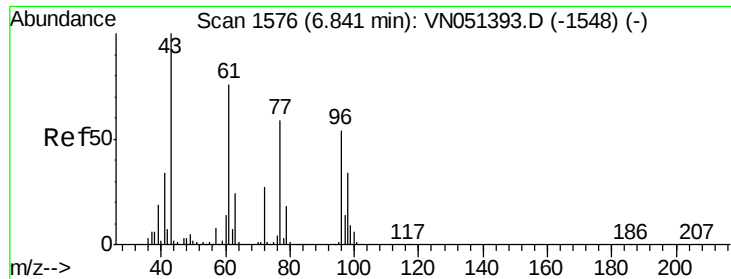


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





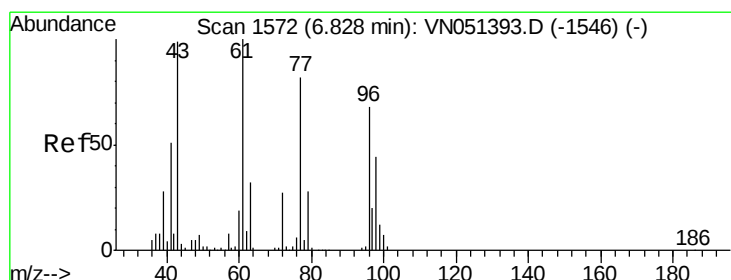
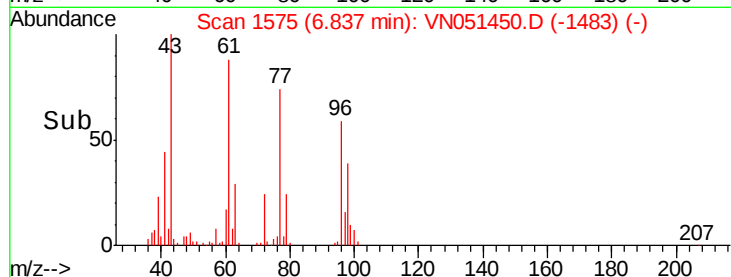
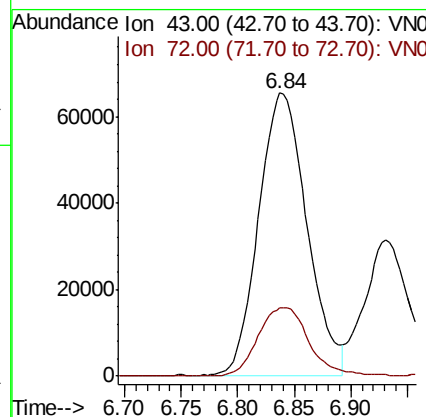
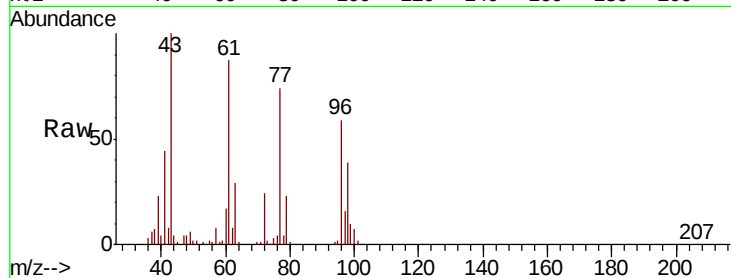
#25
2-Butanone
Concen: 88.374 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion: 43 Resp: 194400
Ion Ratio Lower Upper
43 100
72 23.9 21.8 32.6

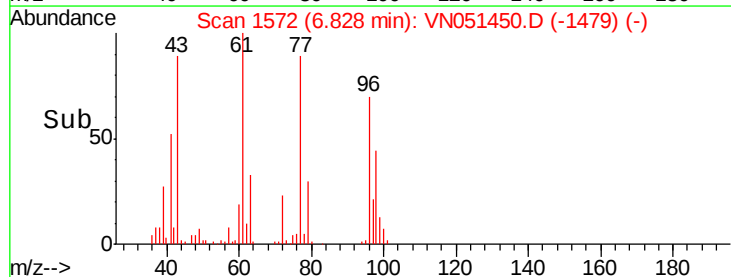
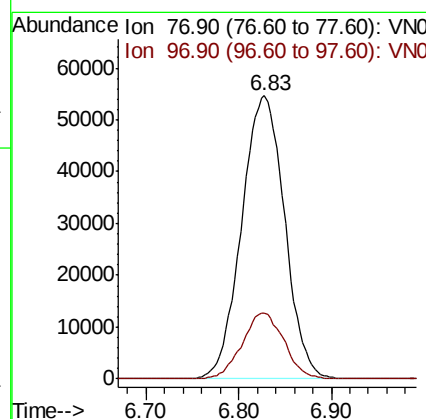
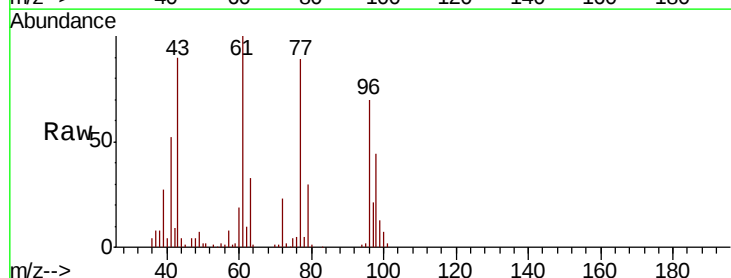
Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM



#26
2,2-Dichloropropane
Concen: 20.425 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion: 77 Resp: 176104
Ion Ratio Lower Upper
77 100
97 22.7 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.058 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

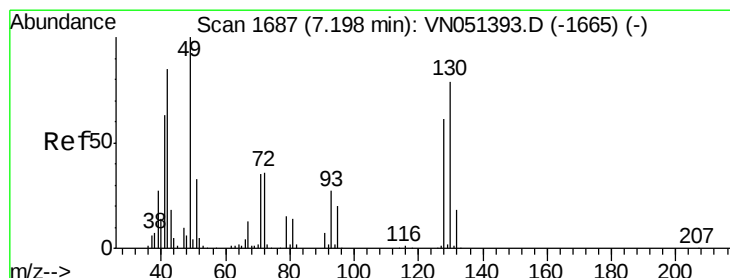
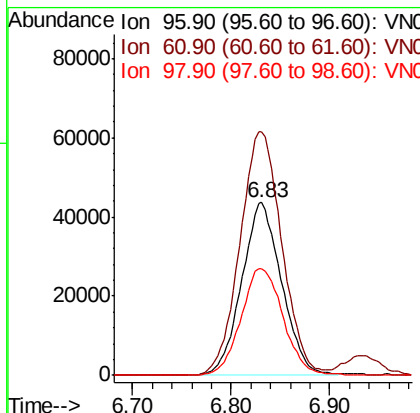
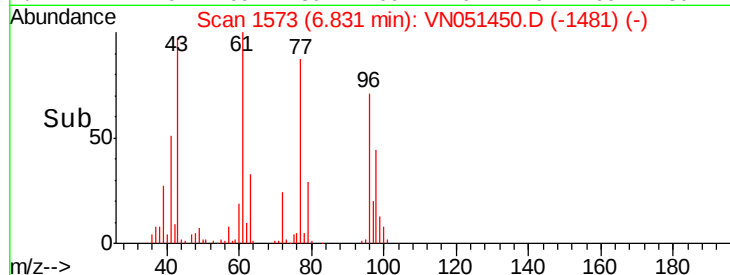
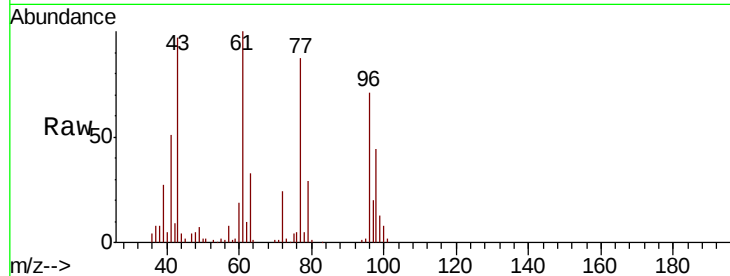
ClientSampleId :

VN0924MBS01

Tot Ion:	96	Resp:	122112
Ion Ratio	Lower	Upper	
96	100		
61	147.9	0.0	291.4
98	65.2	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM



#28

Bromochloromethane

Concen: 19.812 ug/l

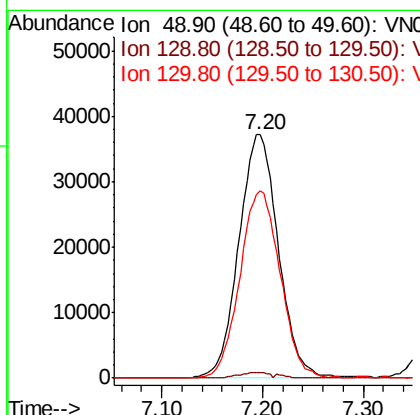
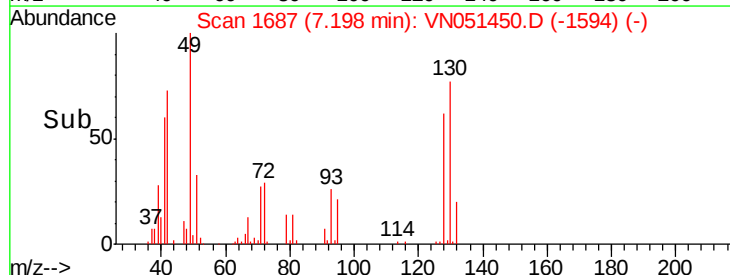
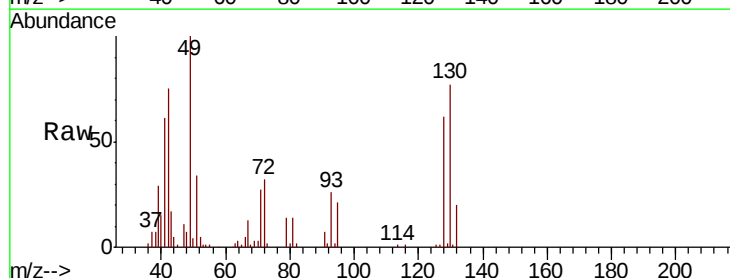
RT: 7.20 min Scan# 1687

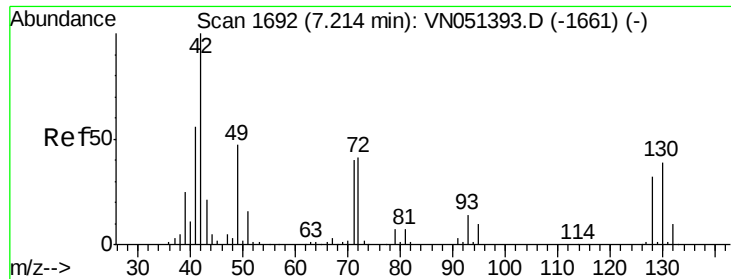
Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Tgt Ion:	49	Resp:	101058
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.8
130	78.6	63.0	94.4





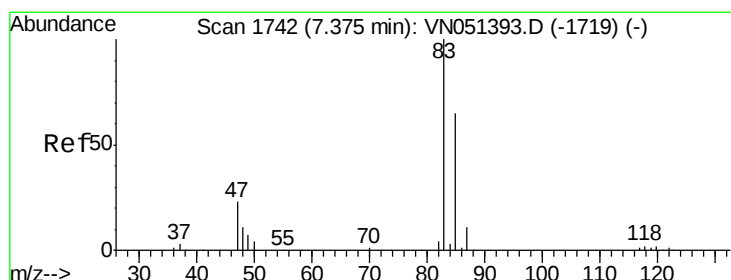
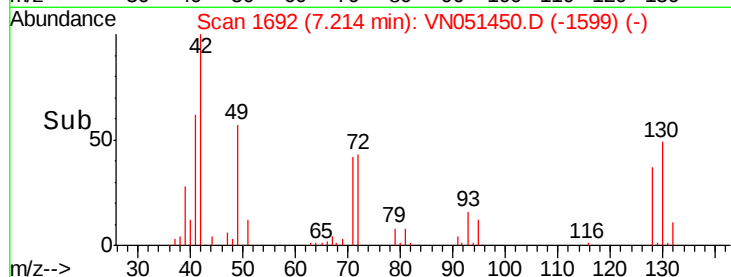
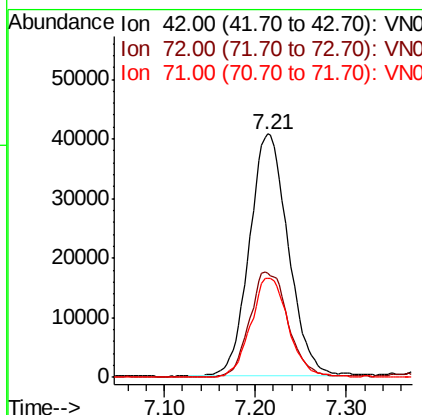
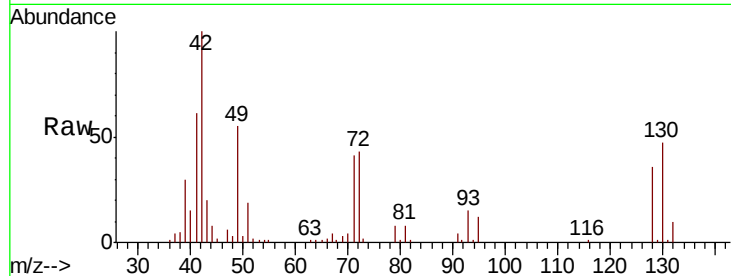
#29
Tetrahydrofuran
Concen: 86.543 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.3	51.5
71	39.8	32.2	48.4

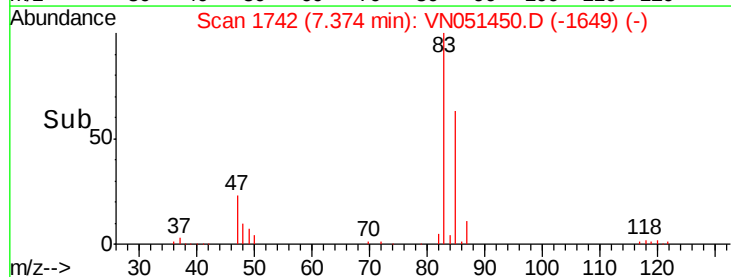
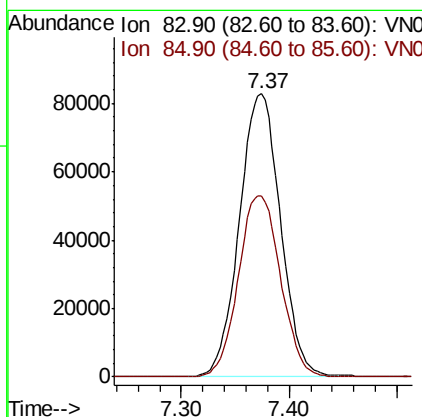
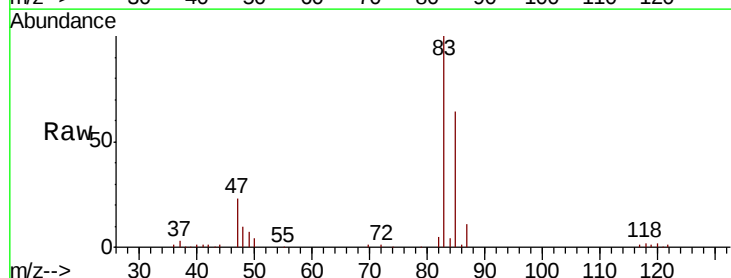
Manual Integrations
APPROVED

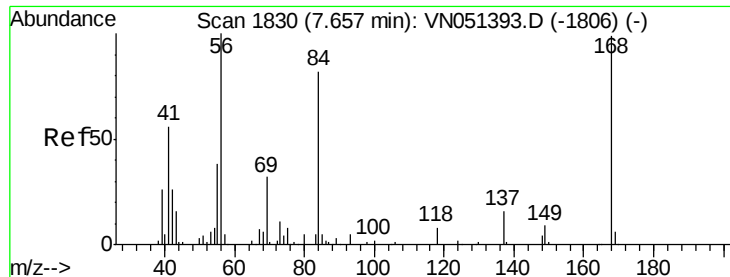
MMDadoda
9/25/2018 11:31:00 AM



#30
Chloroform
Concen: 20.062 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6





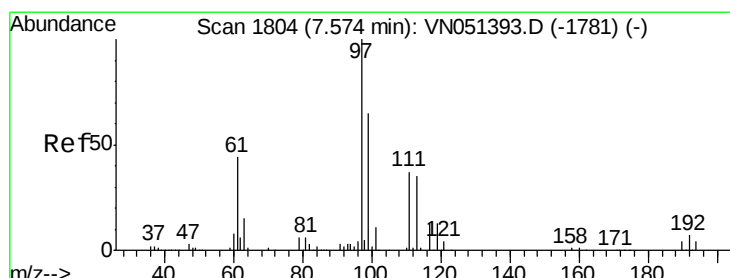
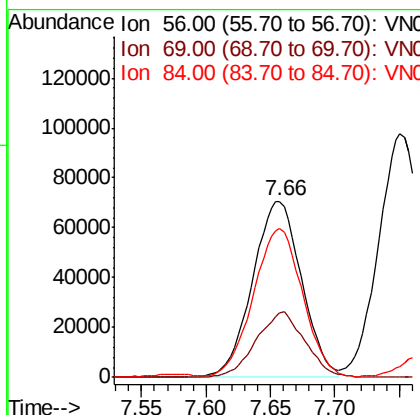
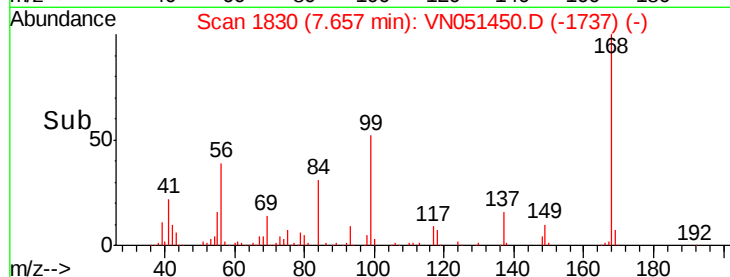
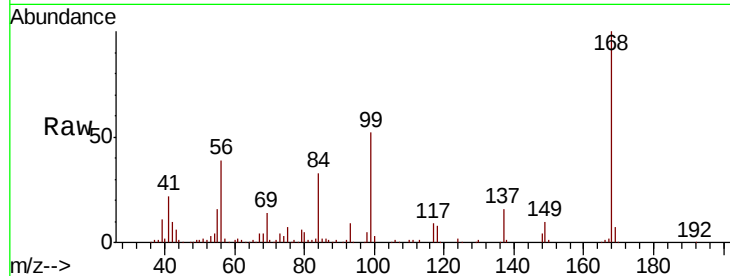
#31
Cyclohexane
Concen: 18.461 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampled :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	25.8	38.6
84	82.9	66.0	99.0

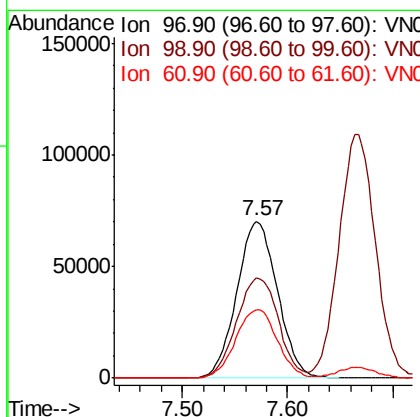
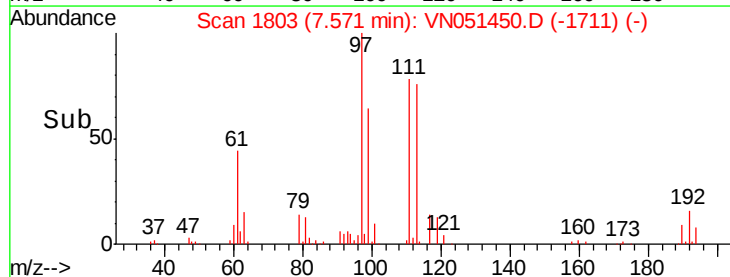
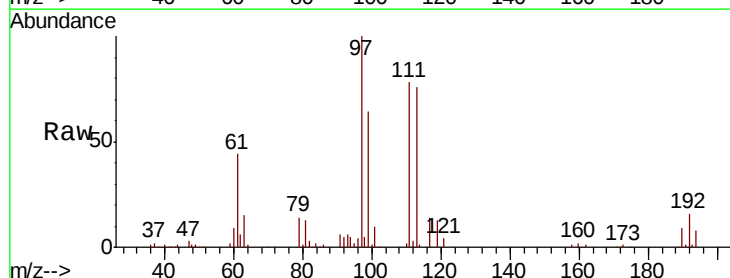
Manual Integrations
APPROVED

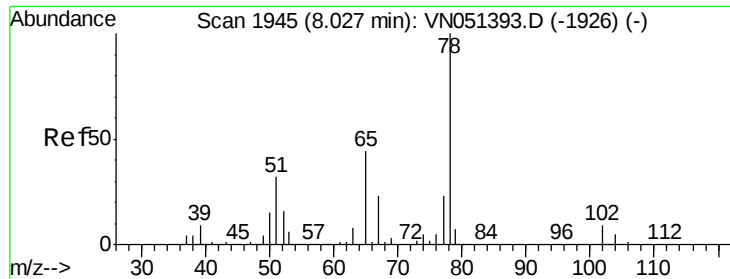
MMDadoda
9/25/2018 11:31:00 AM



#32
1,1,1-Trichloroethane
Concen: 20.090 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.4	77.0
61	44.8	35.8	53.8





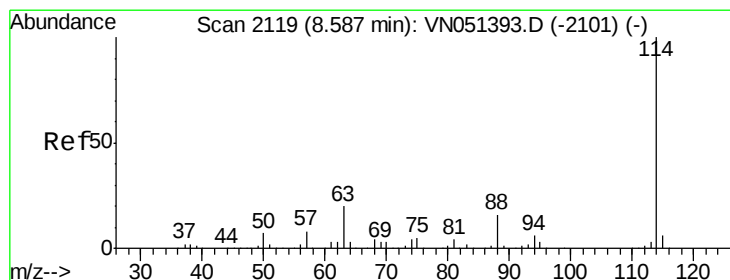
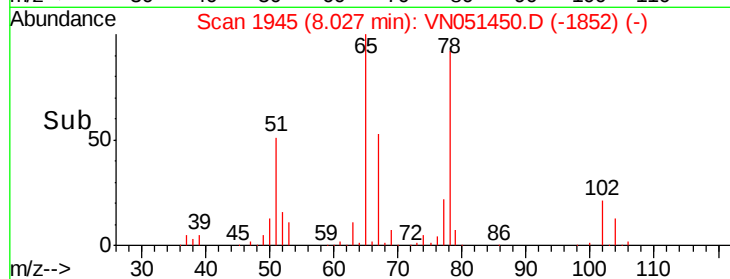
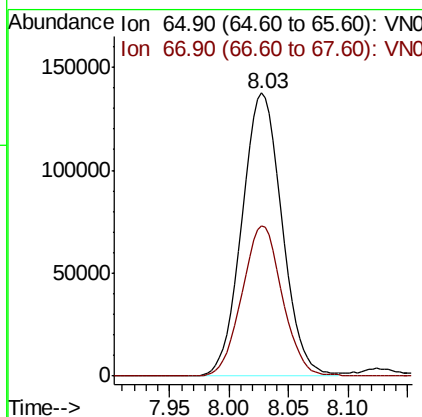
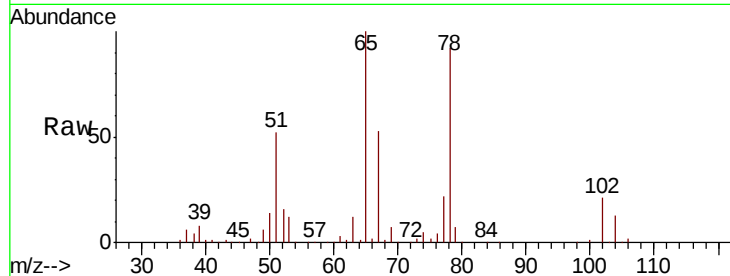
#33
 1,2-Dichloroethane-d4
 Concen: 50.042 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.5	0.0	107.8	

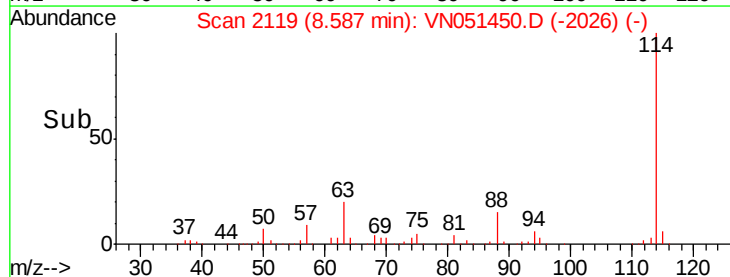
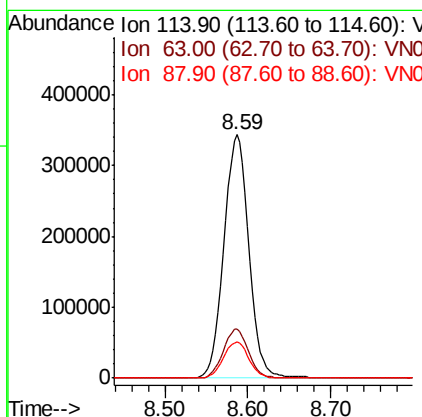
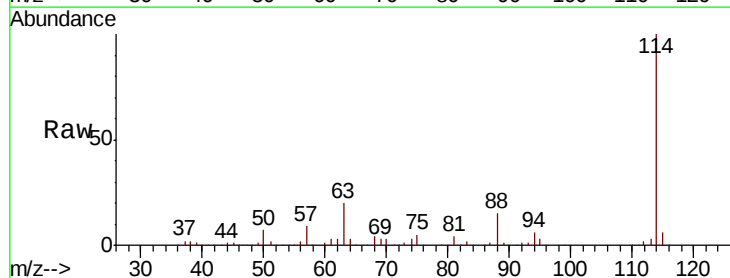
Manual Integrations
 APPROVED

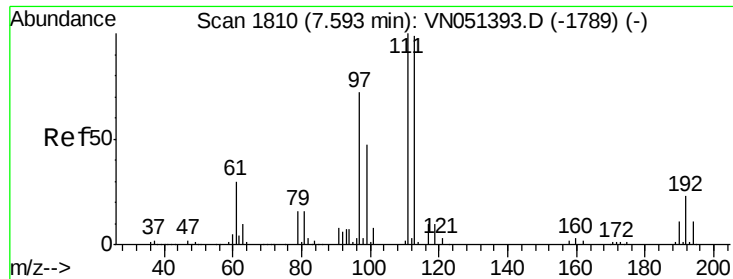
MMDadoda
 9/25/2018 11:31:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	40.2	
88	14.7	0.0	31.4	





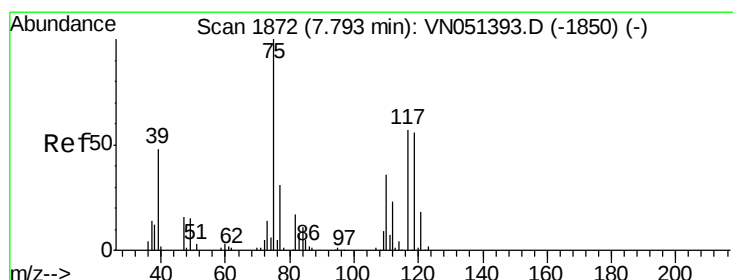
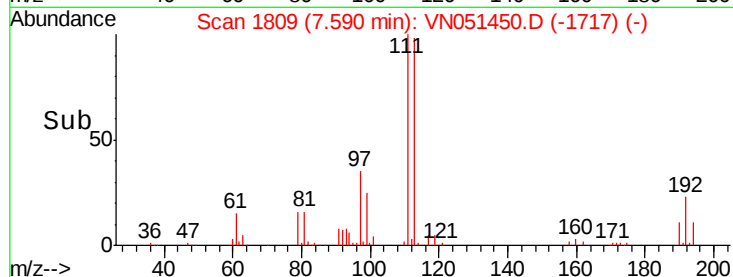
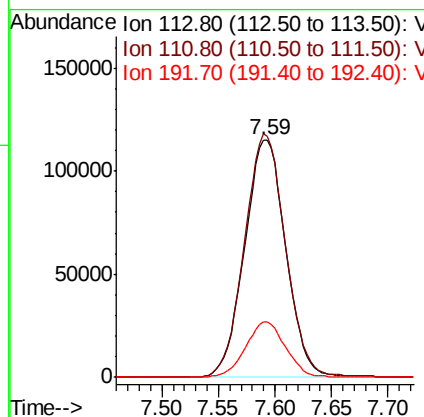
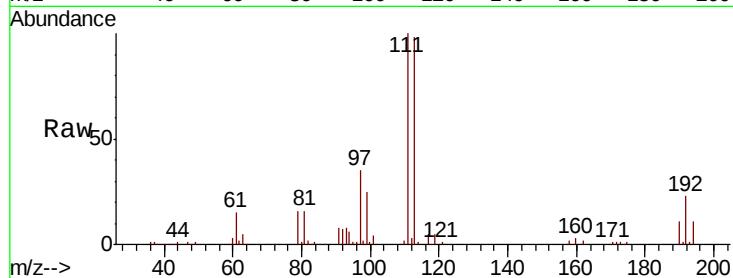
#35
Dibromofluoromethane
Concen: 50.850 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	291297		
111	102.2	82.6	123.8	
192	22.6	18.0	27.0	

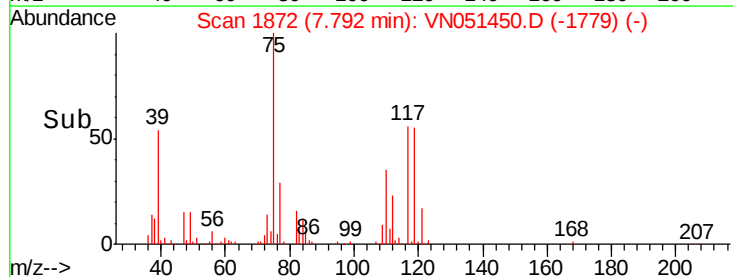
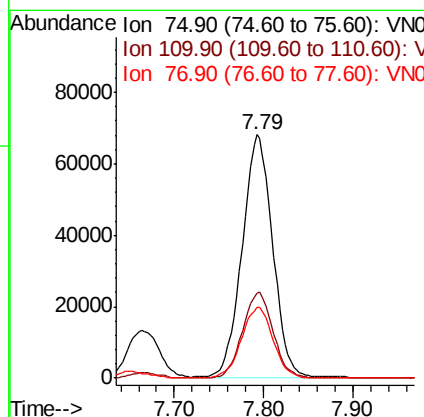
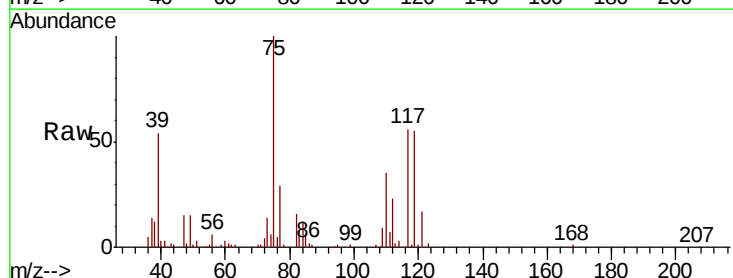
Manual Integrations
APPROVED

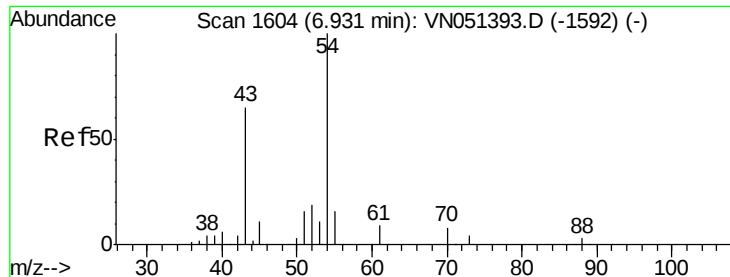
MMDadoda
9/25/2018 11:31:00 AM



#36
1,1-Dichloropropene
Concen: 19.345 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	160481		
110	35.5	18.1	54.3	
77	30.6	25.6	38.4	





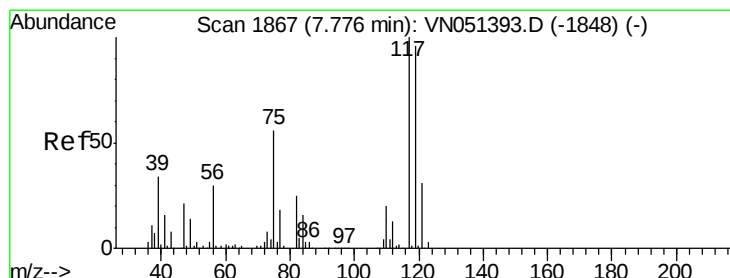
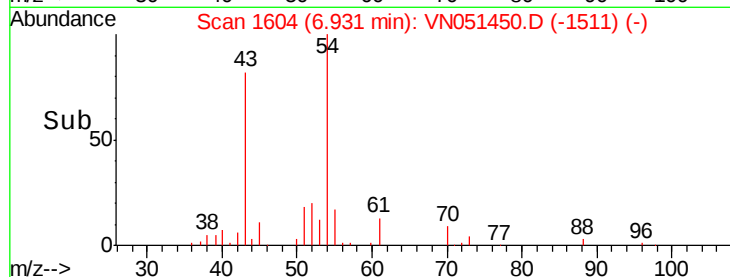
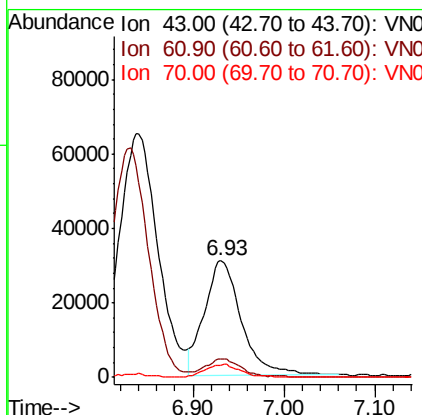
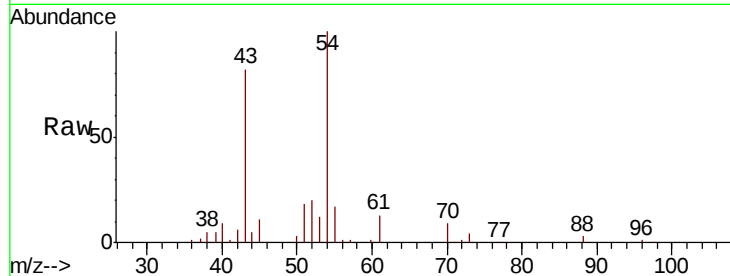
#37
Ethyl Acetate
Concen: 18.413 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	10.7	7.9	11.9

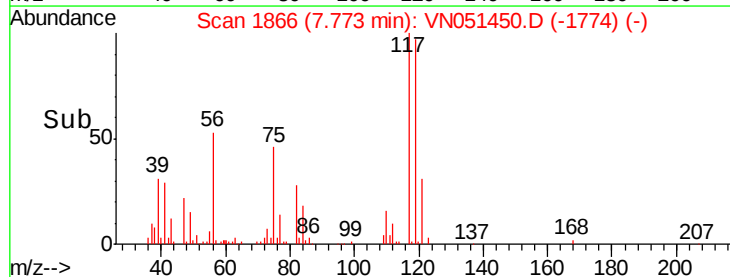
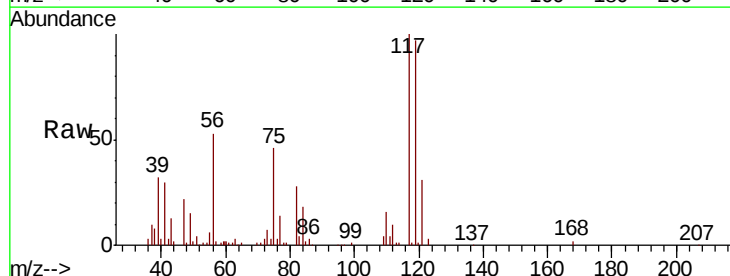
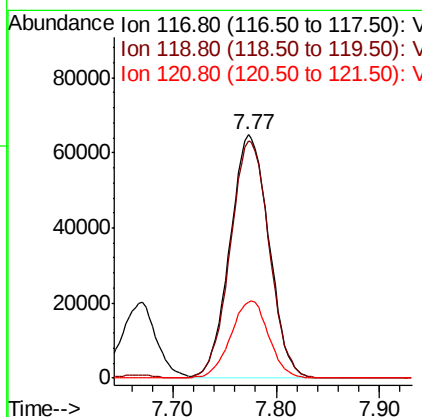
Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM



#38
Carbon Tetrachloride
Concen: 19.669 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.9	115.3
121	31.0	24.6	37.0





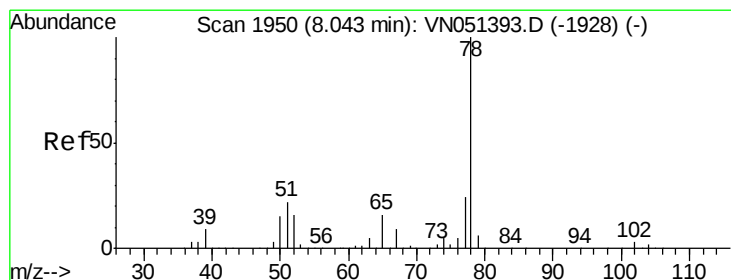
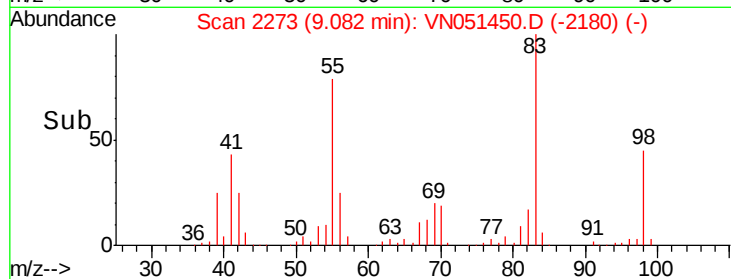
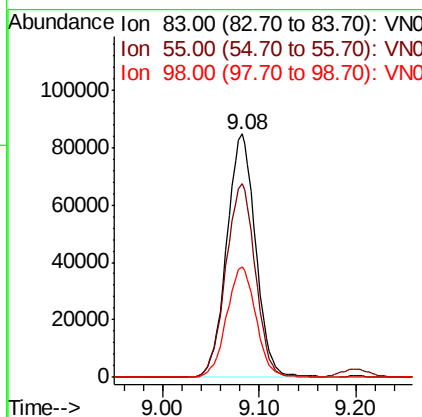
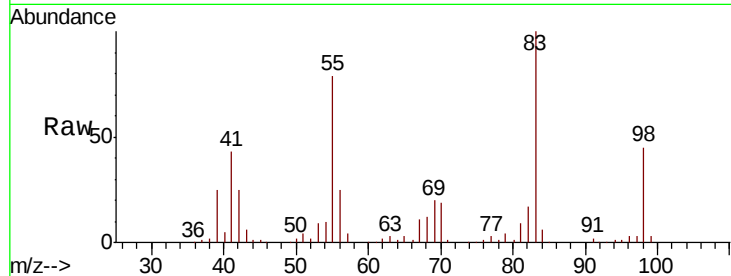
#39
Methvlcvclohexane
Concen: 18.105 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	61.0	91.4
98	45.4	35.6	53.4

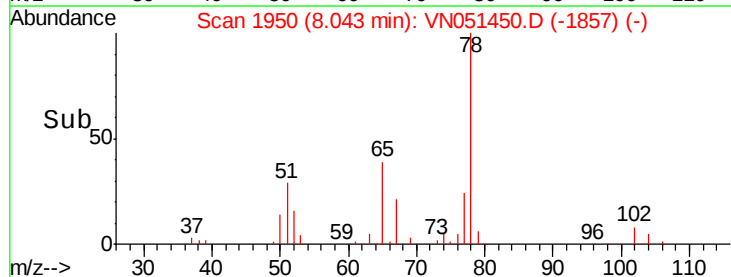
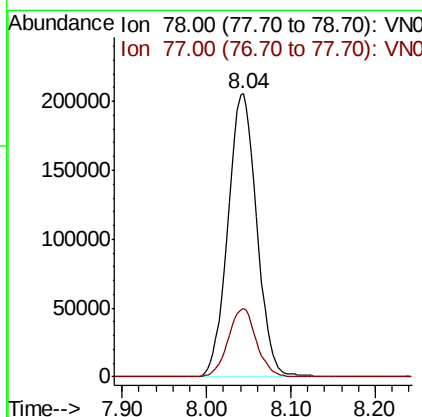
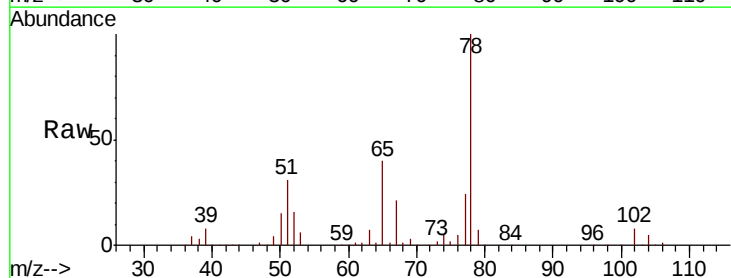
Manual Integrations
APPROVED

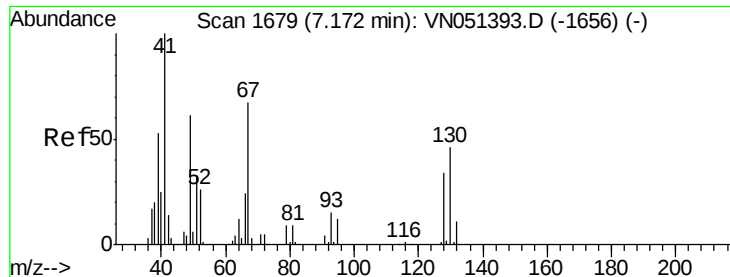
MMDadoda
9/25/2018 11:31:00 AM



#40
Benzene
Concen: 20.070 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





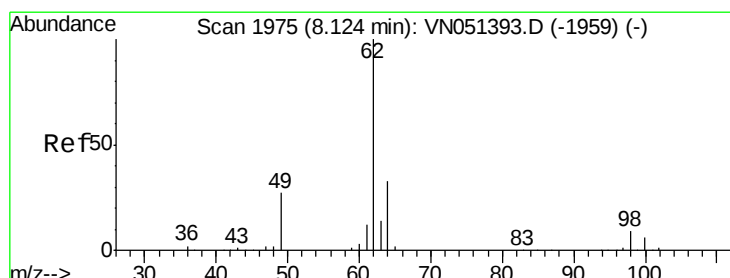
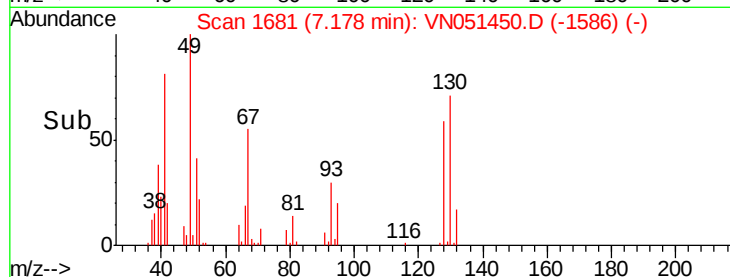
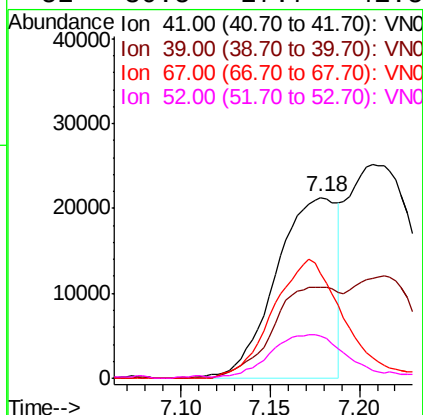
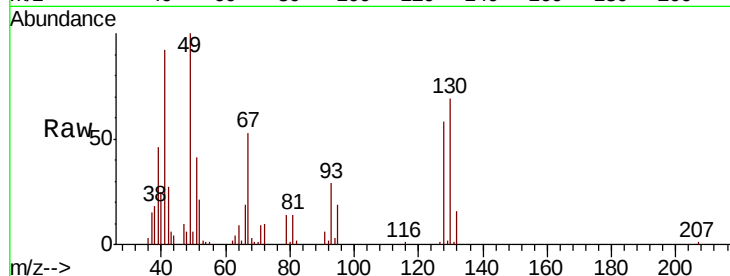
#41
Methacrylonitrile
Concen: 19.177 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.2	51.4	77.2
67	76.8	66.8	100.2
52	30.5	27.7	41.5

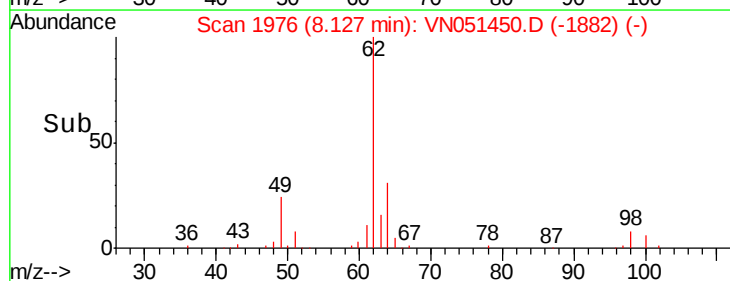
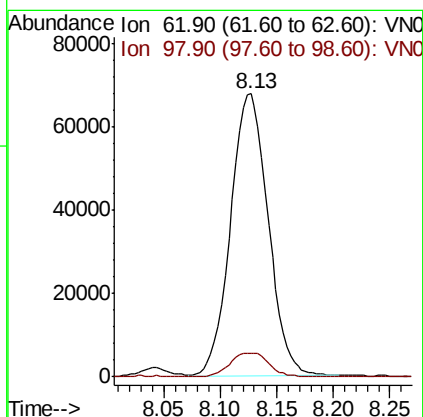
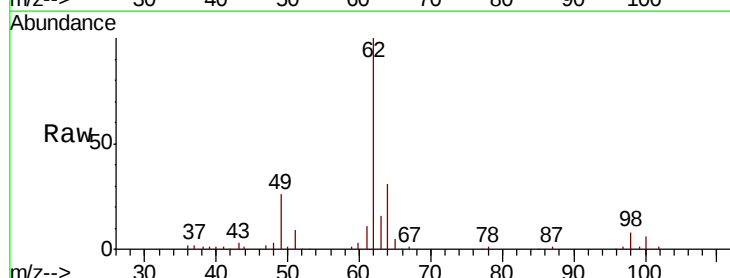
Manual Integrations
APPROVED

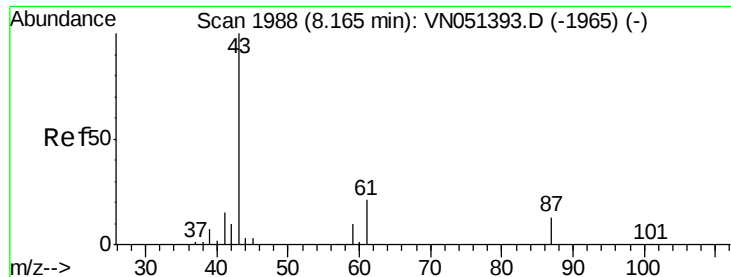
MMDadoda
9/25/2018 11:31:00 AM



#42
1,2-Dichloroethane
Concen: 20.097 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 19.267 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

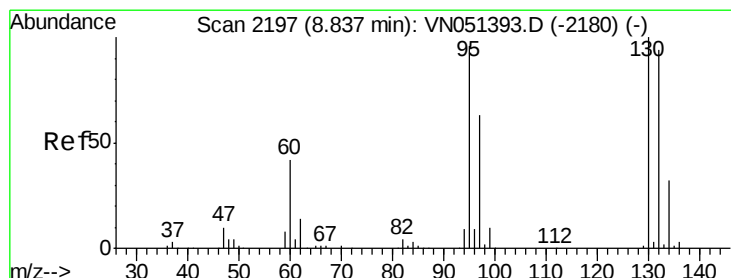
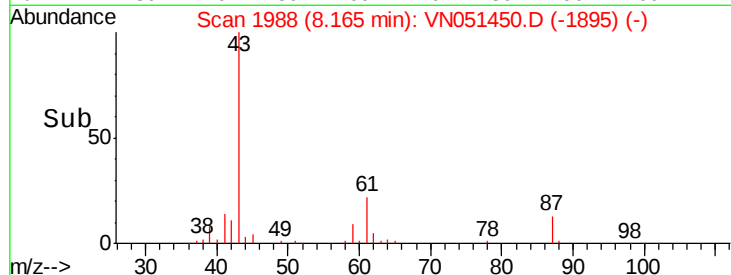
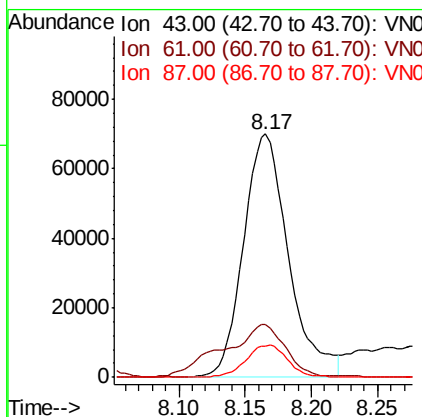
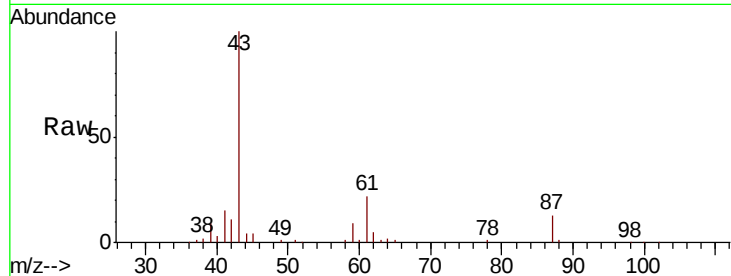
ClientSampleId :

VN0924MBS01

Tot Ion:	43	Resp:	166178
Ion	Ratio	Lower	Upper
43	100		
61	28.9	16.8	25.2#
87	12.3	10.7	16.1

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM



#44

Trichloroethene

Concen: 19.582 ug/l

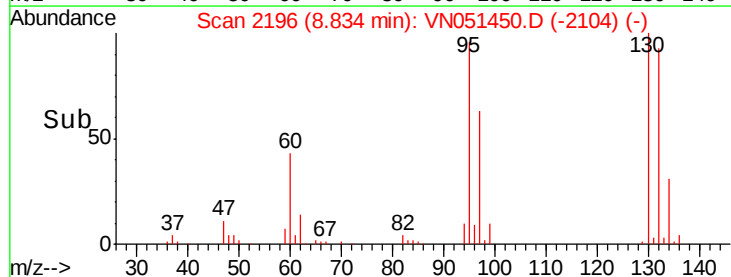
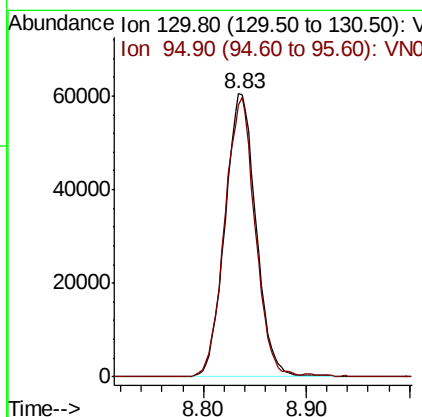
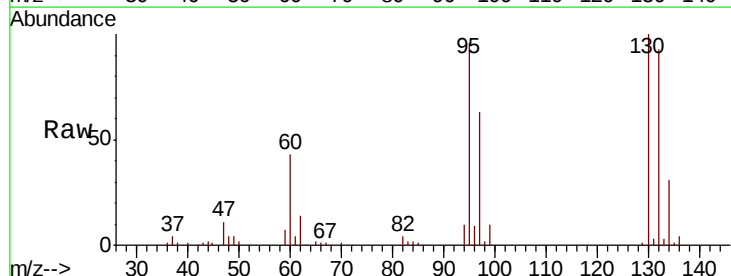
RT: 8.83 min Scan# 2196

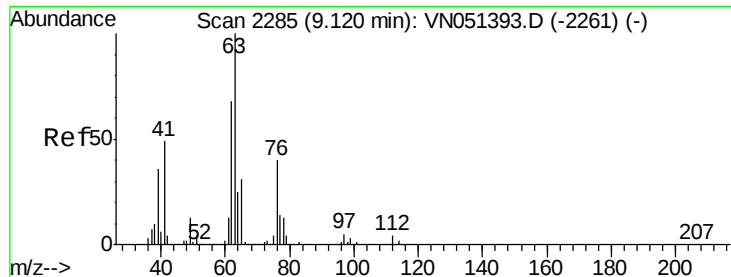
Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Tgt Ion:	130	Resp:	126692
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	192.2





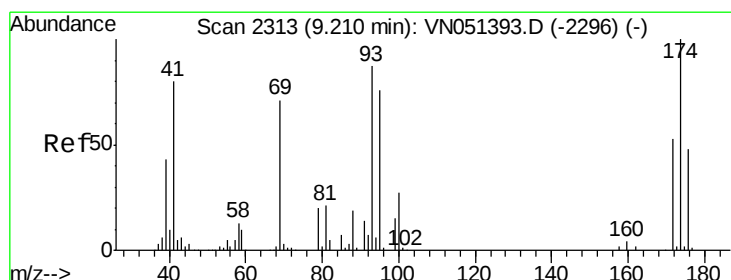
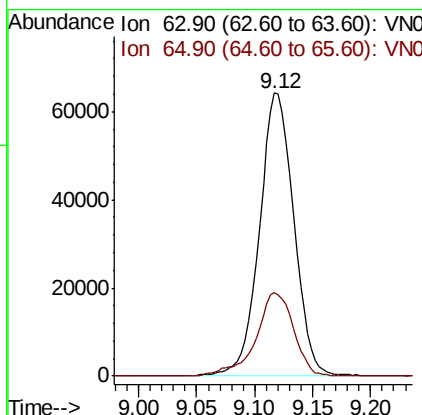
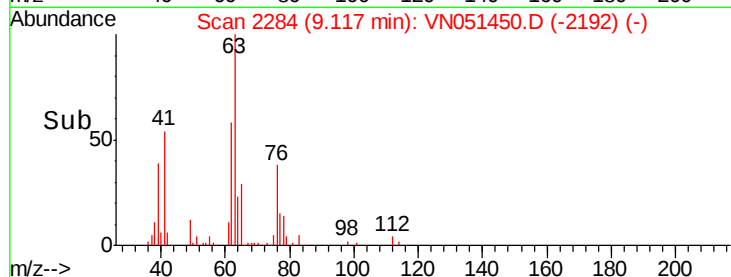
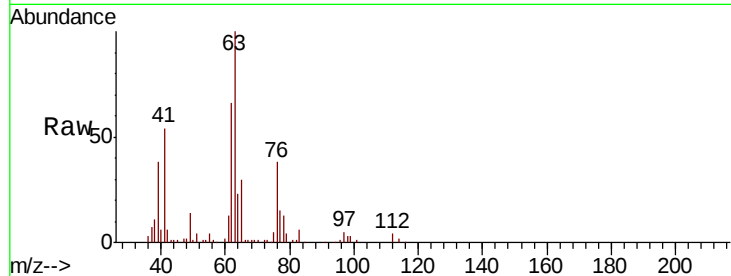
#45
 1,2-Dichloropropane
 Concen: 20.034 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	132651		
65	29.6		24.9	37.3

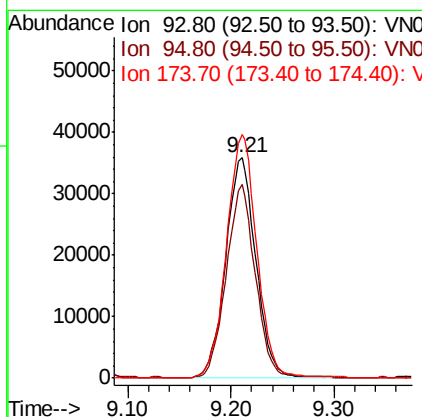
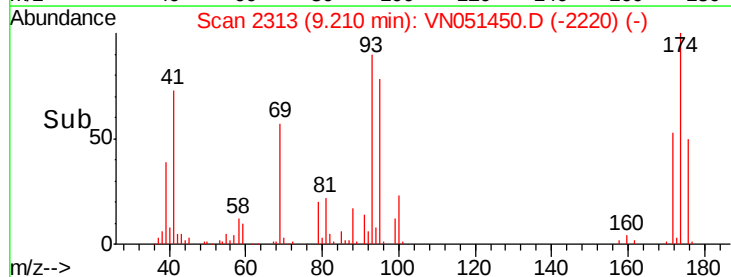
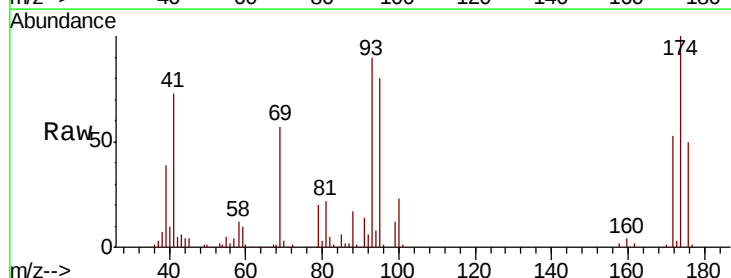
Manual Integrations
 APPROVED

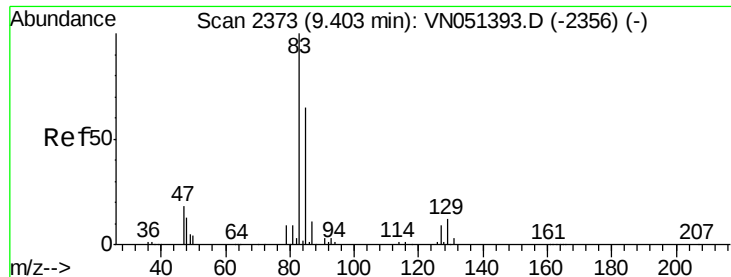
MMDadoda
 9/25/2018 11:31:00 AM



#46
 Dibromomethane
 Concen: 19.605 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	73347		
95	84.8		67.6	101.4
174	110.8		89.6	134.4





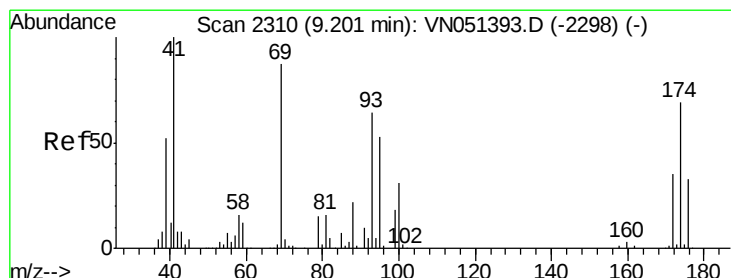
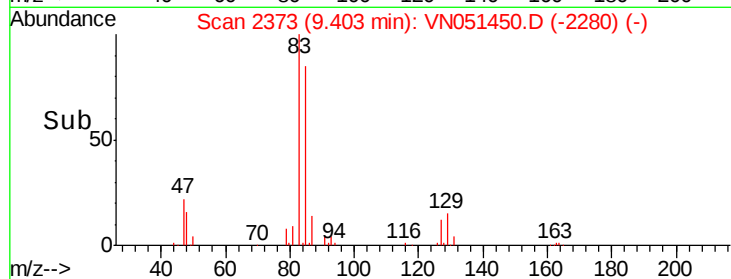
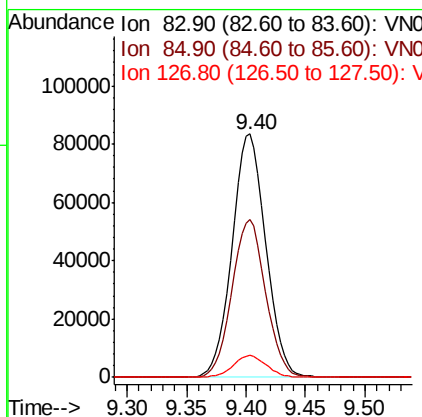
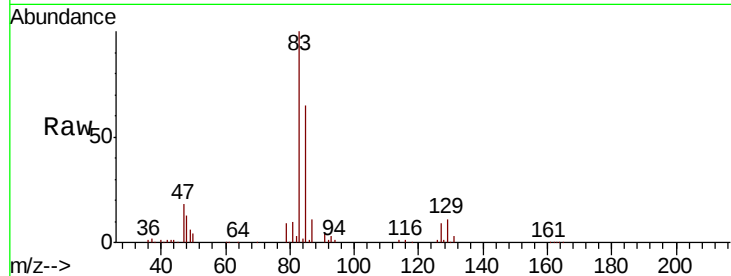
#47
Bromodichloromethane
Concen: 19.818 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6
127	9.0	7.4	11.2

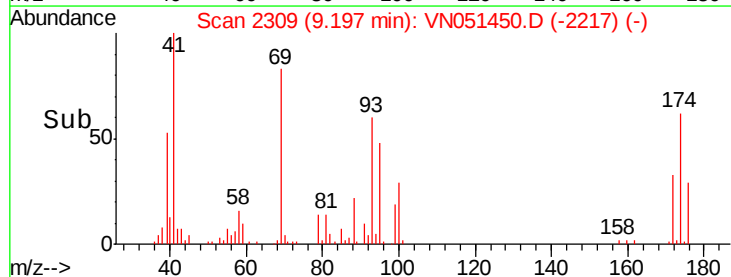
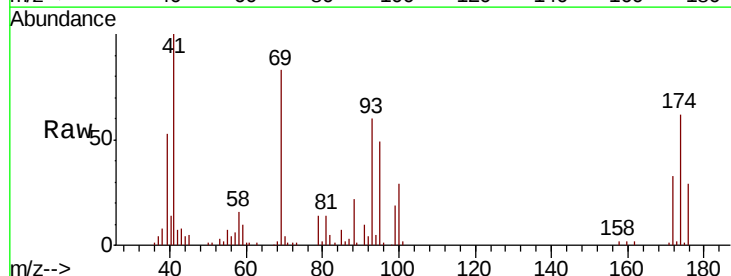
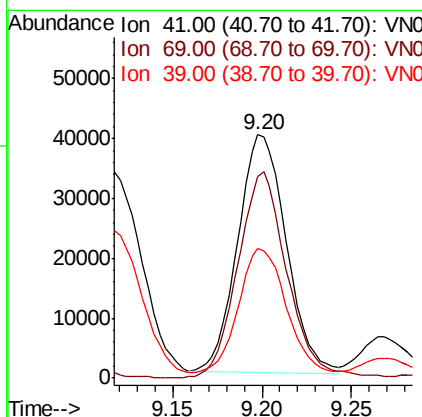
Manual Integrations
APPROVED

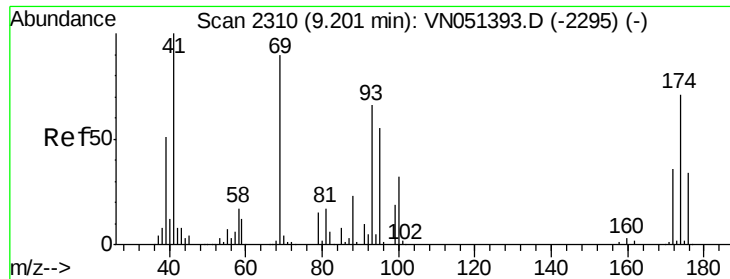
MMDadoda
9/25/2018 11:31:00 AM



#48
Methyl methacrylate
Concen: 17.520 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.2	70.4	105.6
39	55.6	43.8	65.8





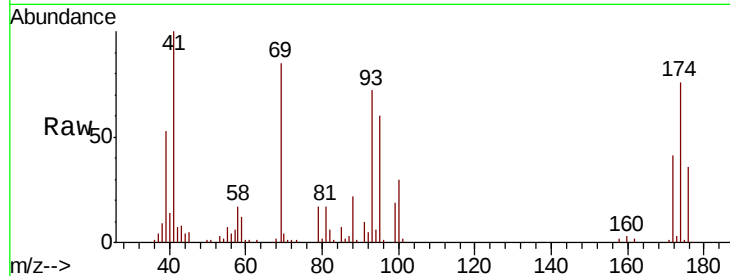
#49
 1,4-Dioxane
 Concen: 366.144 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0924MBS01

Tot Ion	88	Resp	19296
Ion Ratio	100	Lower	Upper
88	100		
43	33.5	25.9	38.9
58	71.8	57.0	85.4

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:31:00 AM

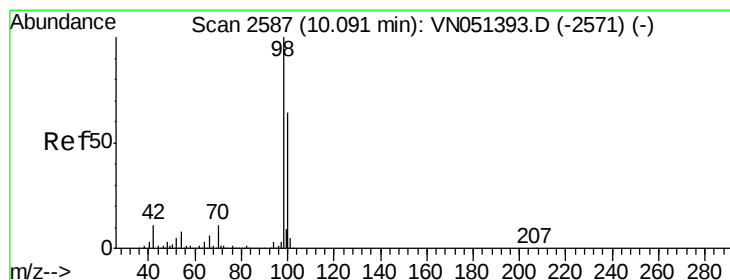
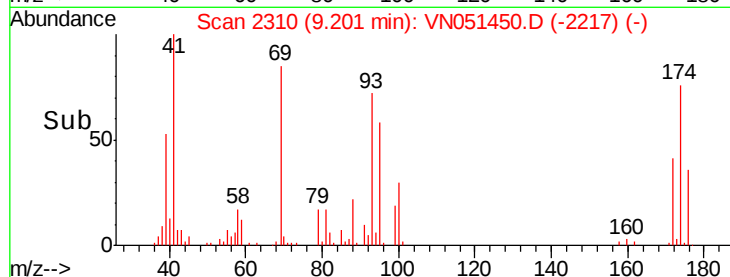
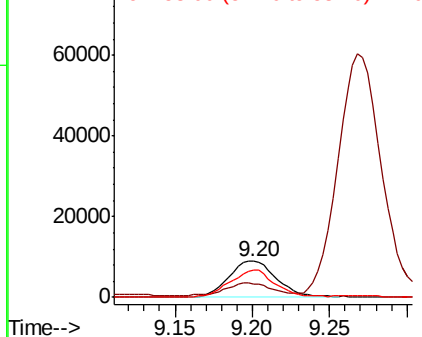


Abundance

Ion 88.00 (87.70 to 88.70): VN0

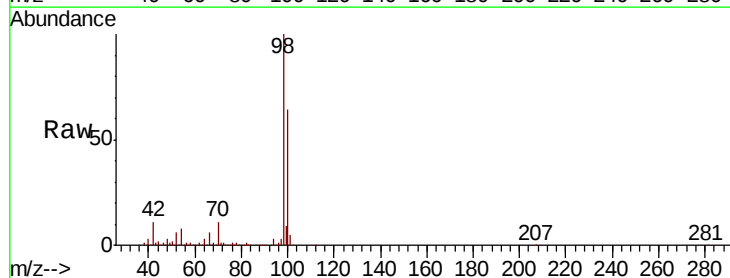
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
 Toluene-d8
 Concen: 49.882 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

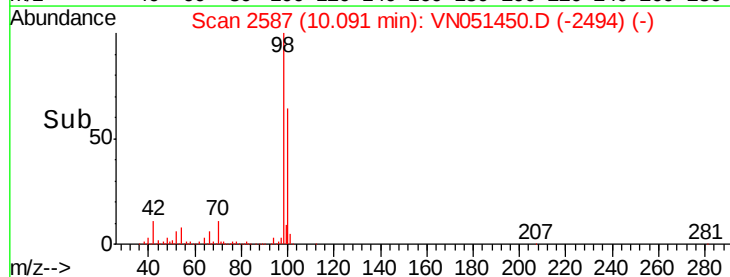
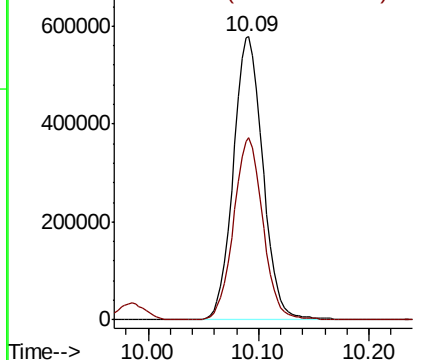
Tgt Ion	98	Resp	1076029
Ion Ratio	100	Lower	Upper
98	100		
100	63.5	50.6	75.8

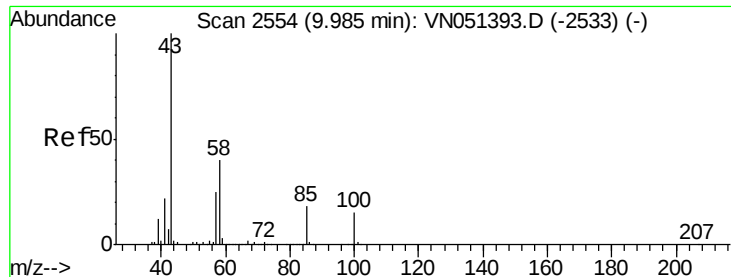


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 88.759 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

VN0924MBS01

Tot Ion: 43 Resp: 421025

Ion Ratio Lower Upper

43 100

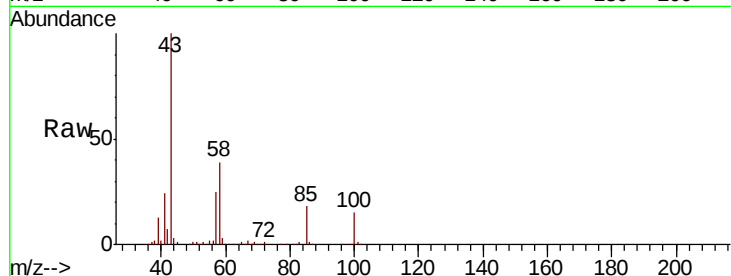
58 39.0 31.5 47.3

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-2533) (-)

9.99

250000

200000

150000

100000

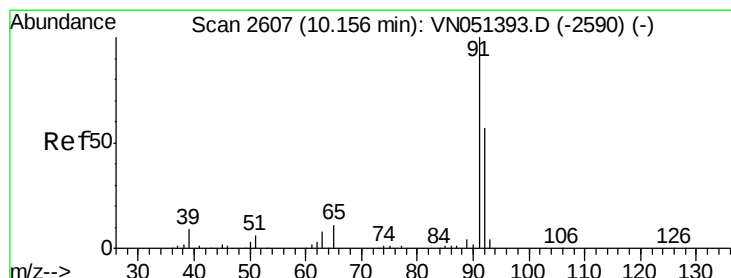
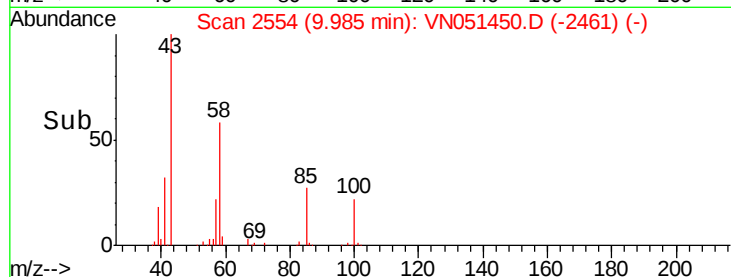
50000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 19.736 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051450.D

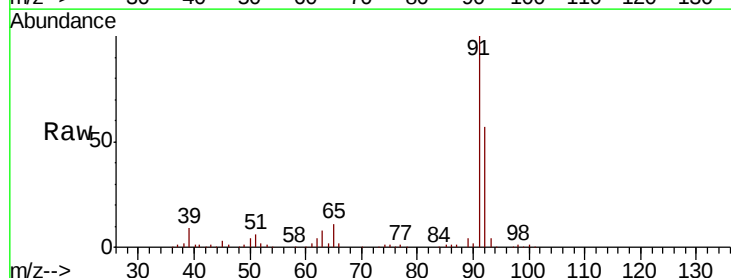
Acq: 24 Sep 2018 10:38

Tgt Ion: 92 Resp: 298765

Ion Ratio Lower Upper

92 100

91 173.3 142.2 213.4



Abundance Ion 92.00 (91.70 to 92.70): VN051393.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051393.D (-2590) (-)

10.16

300000

250000

200000

150000

100000

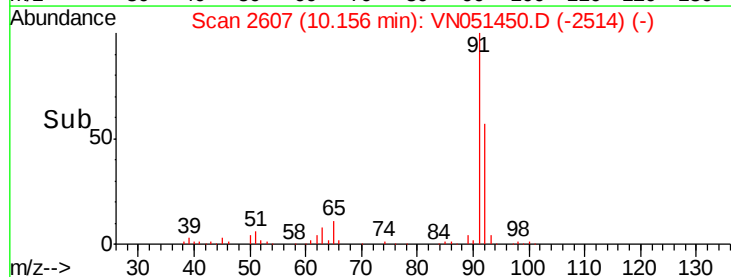
50000

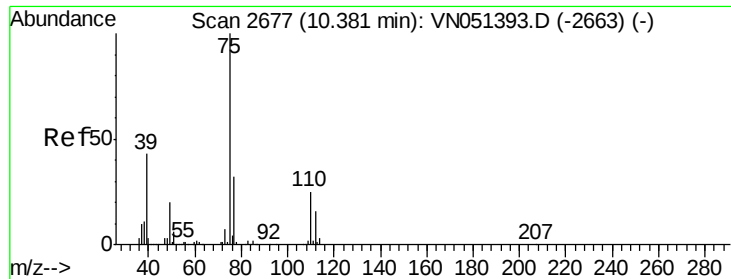
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.262 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

VN0924MBS01

Tot Ion: 75 Resp: 152645

Ion Ratio Lower Upper

75 100

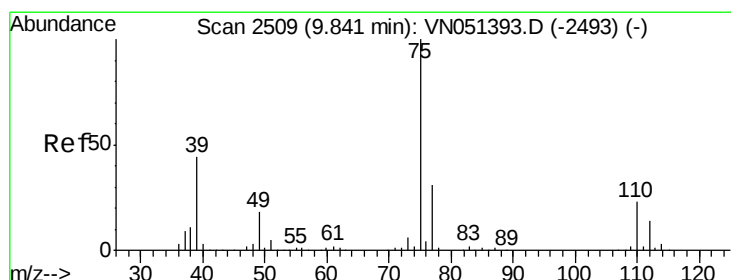
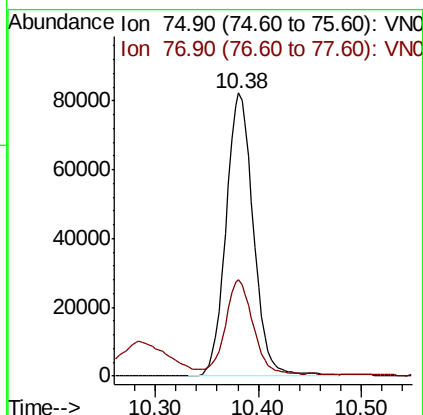
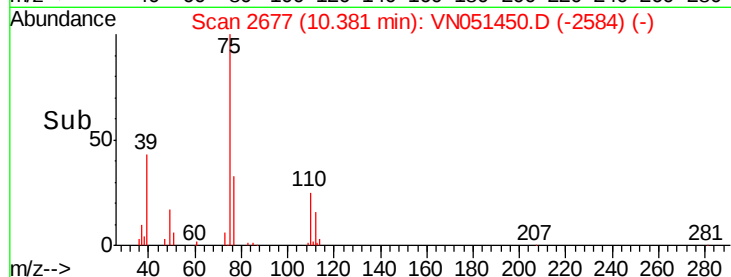
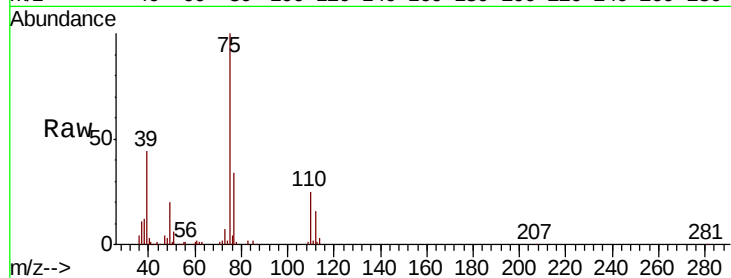
77 33.4 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:00 AM



#54

cis-1,3-Dichloropropene

Concen: 19.093 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

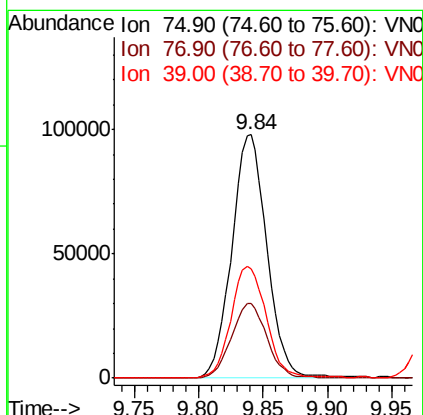
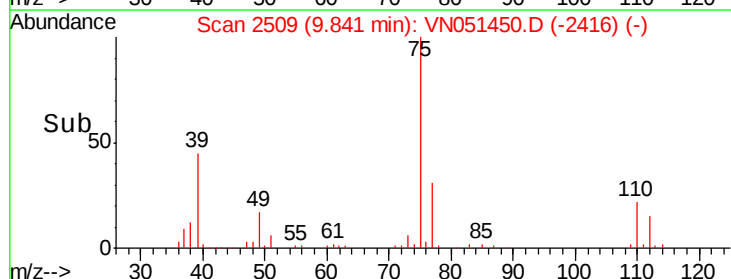
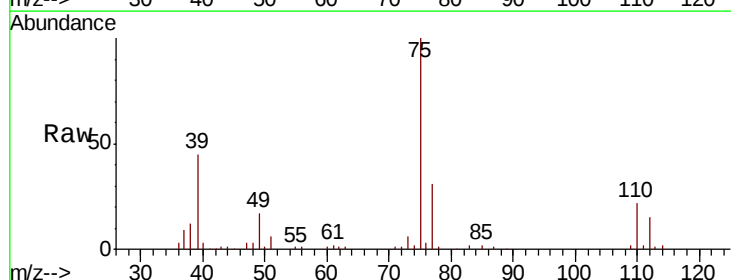
Tgt Ion: 75 Resp: 185075

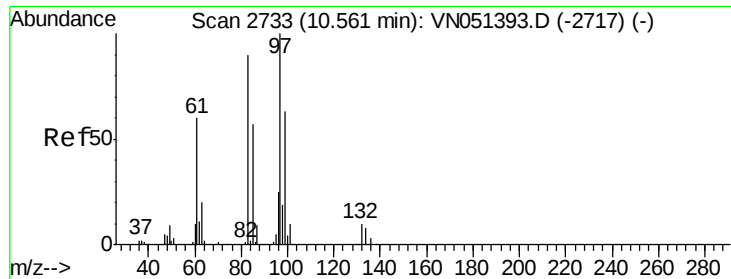
Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8

39 44.5 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 19.462 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

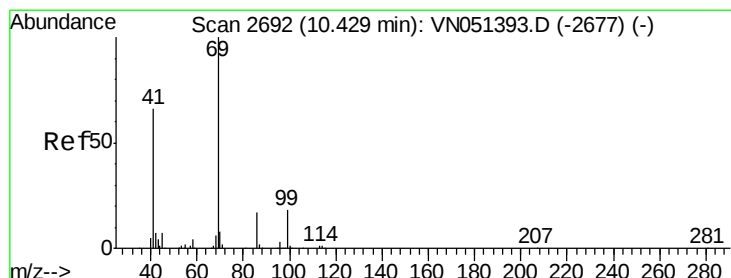
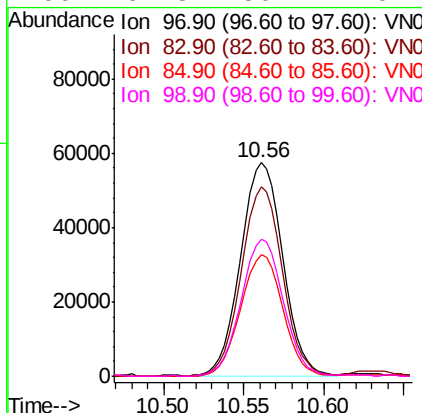
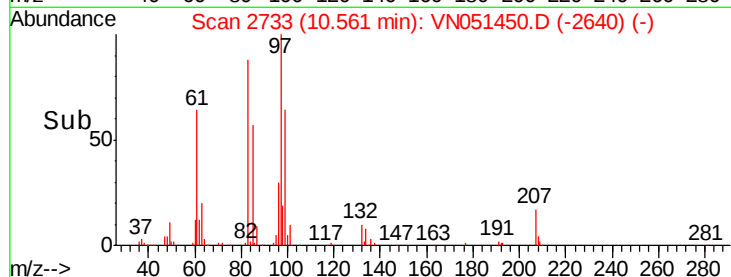
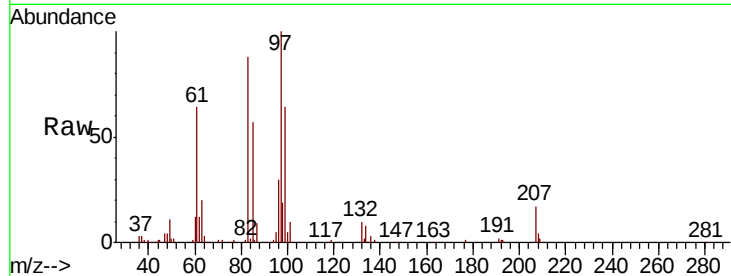
ClientSampleId :

VN0924MBS01

Tot Ion:	97	Resp:	104121
Ion	Ratio	Lower	Upper
97	100		
83	88.4	72.0	108.0
85	56.7	45.2	67.8
99	64.3	50.7	76.1

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM



#56

Ethyl methacrylate

Concen: 17.831 ug/l

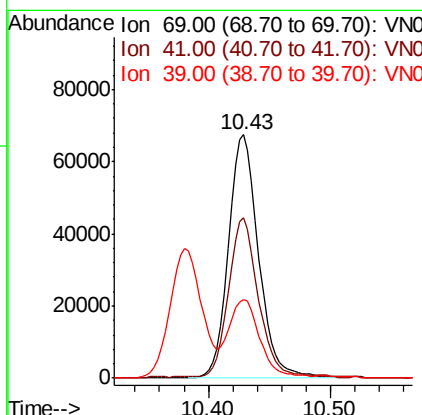
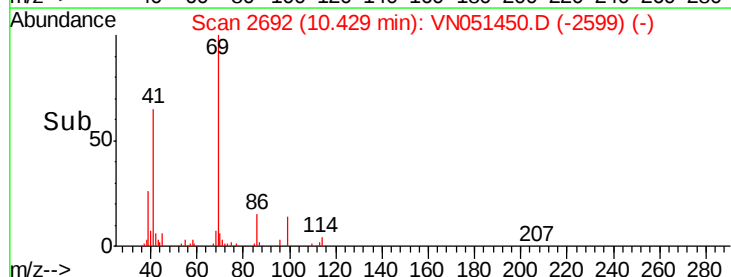
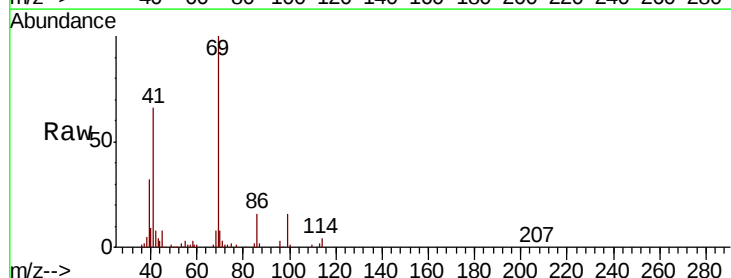
RT: 10.43 min Scan# 2692

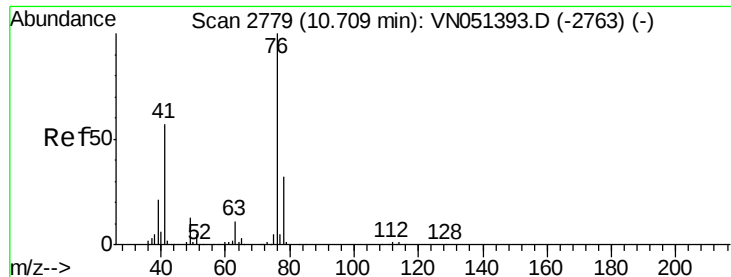
Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Tgt Ion:	69	Resp:	116631
Ion	Ratio	Lower	Upper
69	100		
41	64.6	52.4	78.6
39	32.8	26.3	39.5





#57

1,3-Dichloropropane

Concen: 19.449 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

VN0924MBS01

Tot Ion: 76 Resp: 178340

Ion Ratio Lower Upper

76 100

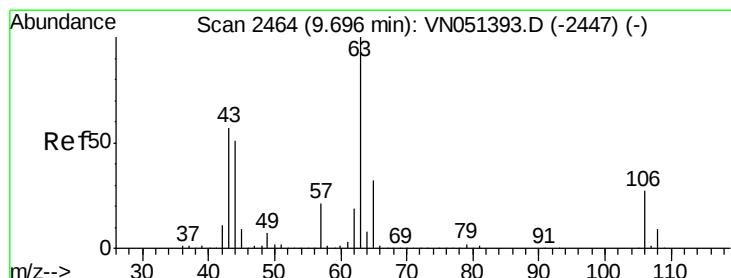
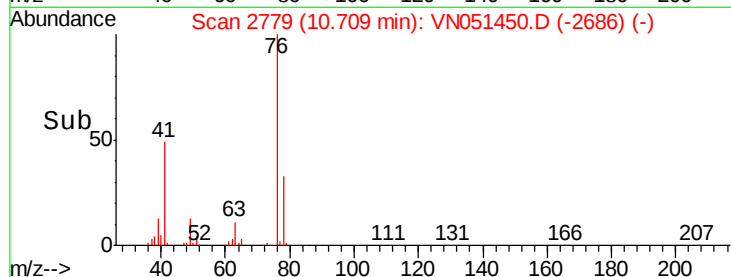
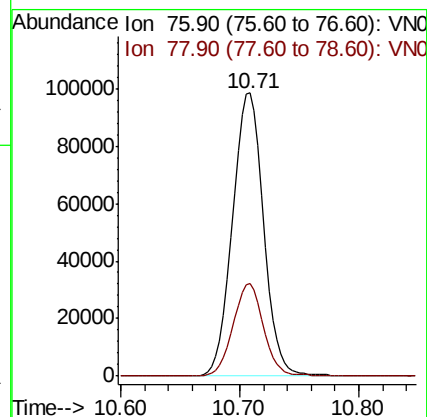
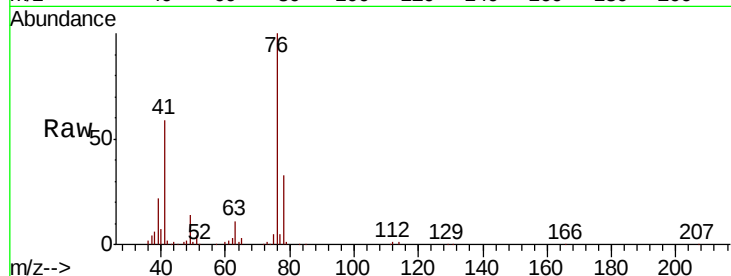
78 32.1 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:00 AM



#58

2-Chloroethyl Vinyl ether

Concen: 94.910 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051450.D

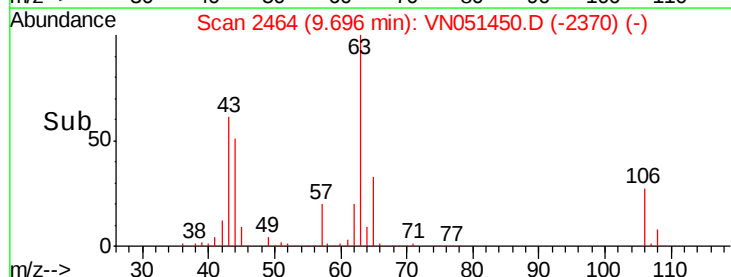
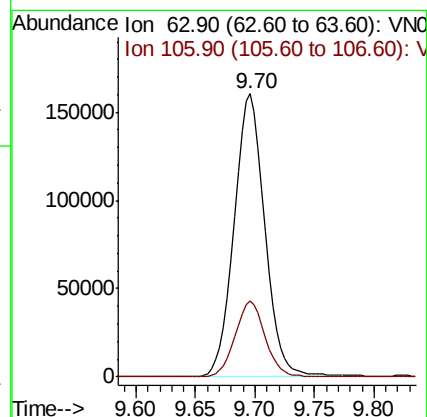
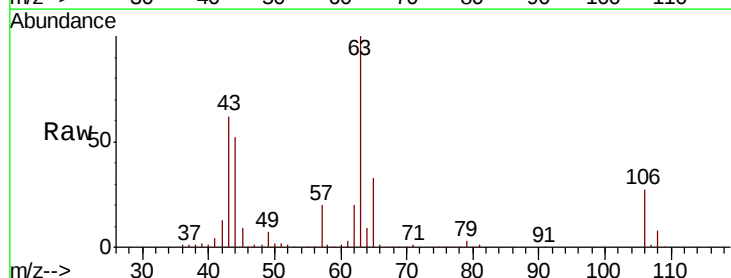
Acq: 24 Sep 2018 10:38

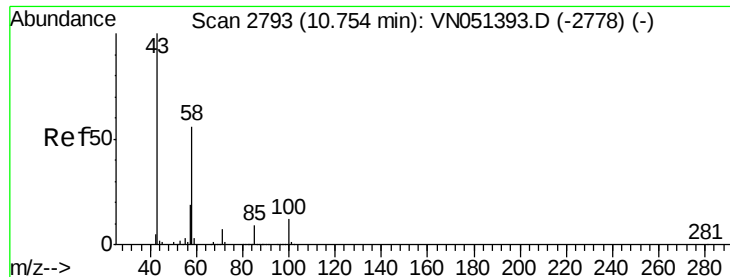
Tgt Ion: 63 Resp: 287266

Ion Ratio Lower Upper

63 100

106 26.3 21.4 32.2





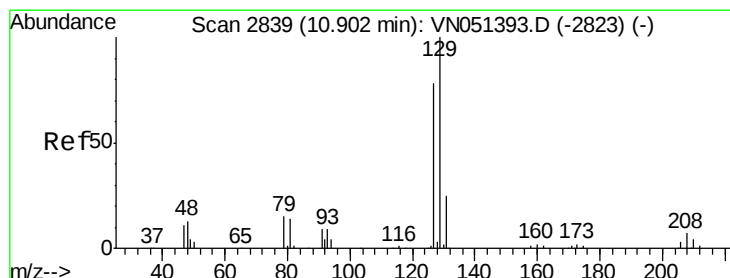
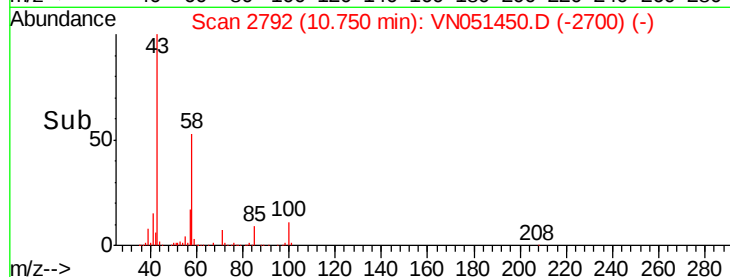
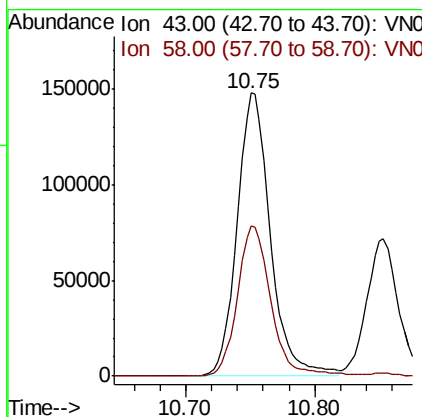
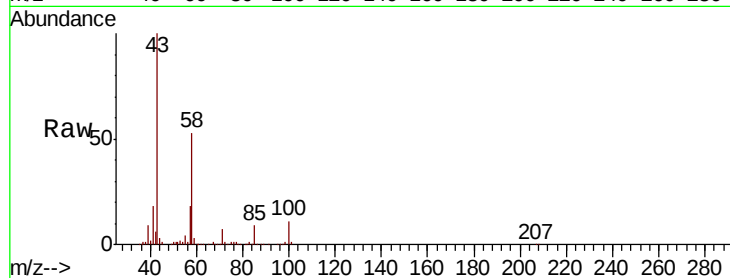
#59
2-Hexanone
Concen: 85.931 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion: 43 Resp: 264236
Ion Ratio Lower Upper
43 100
58 53.5 27.7 83.0

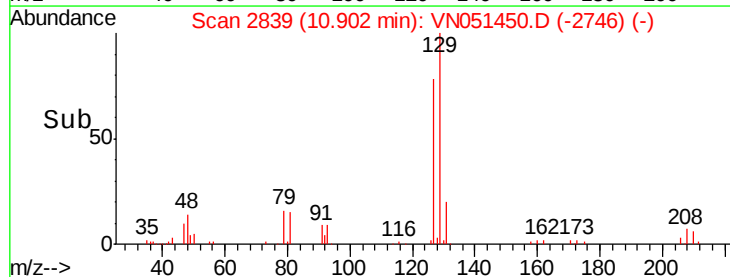
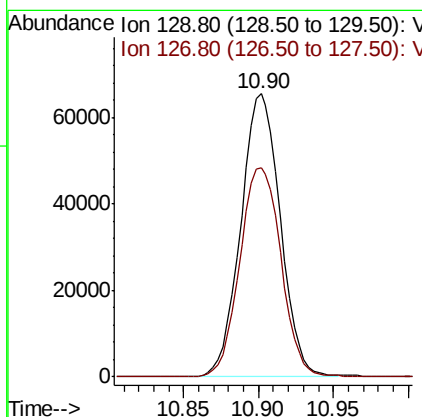
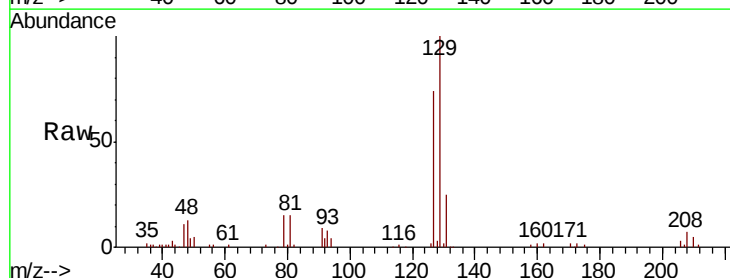
Manual Integrations
APPROVED

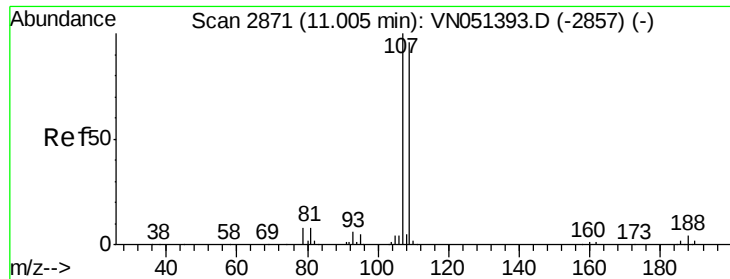
MMDadoda
9/25/2018 11:31:00 AM



#60
Dibromochloromethane
Concen: 19.086 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion: 129 Resp: 120473
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





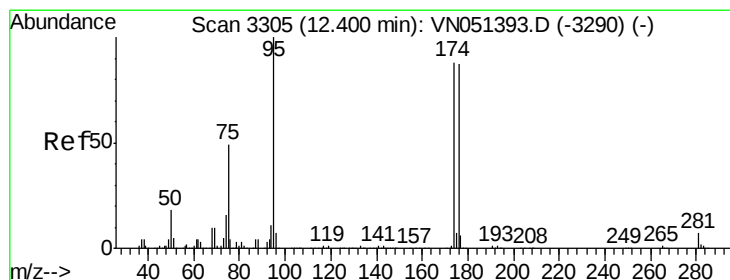
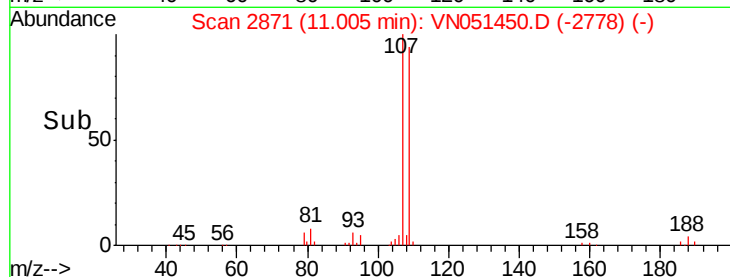
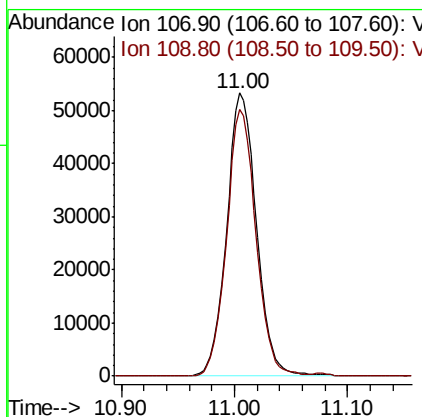
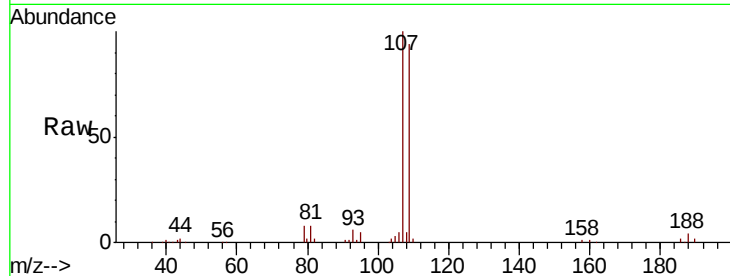
#61
 1,2-Dibromoethane
 Concen: 18.786 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	97565		
109	92.7	76.3	114.5	

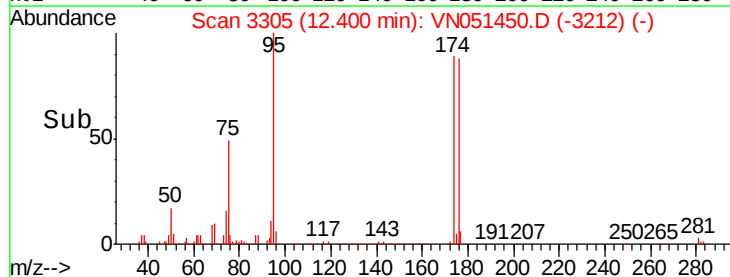
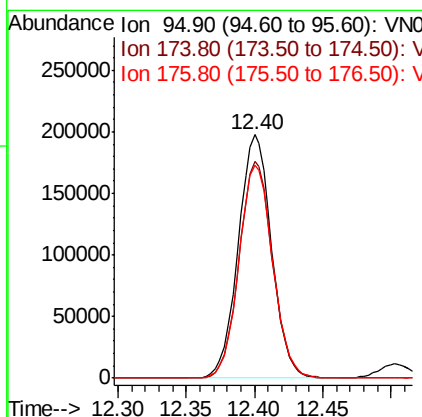
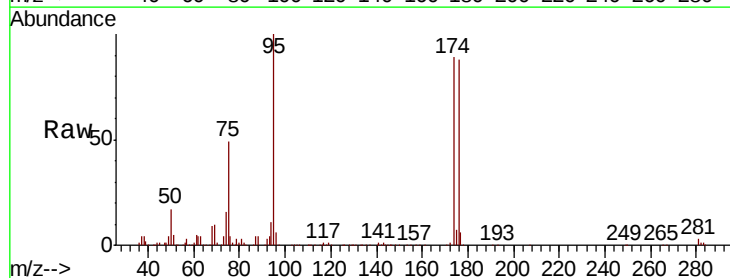
Manual Integrations
 APPROVED

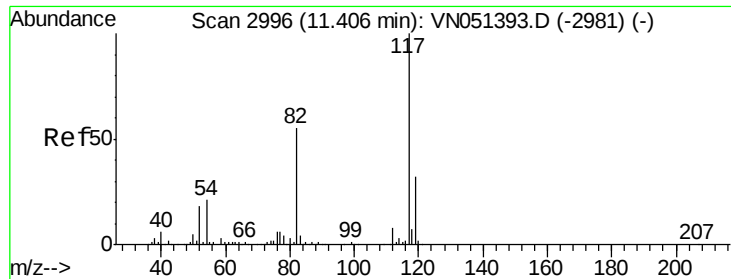
MMDadoda
 9/25/2018 11:31:00 AM



#62
 4-Bromofluorobenzene
 Concen: 47.927 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	334451		
174	89.1	0.0	181.6	
176	88.7	0.0	176.4	





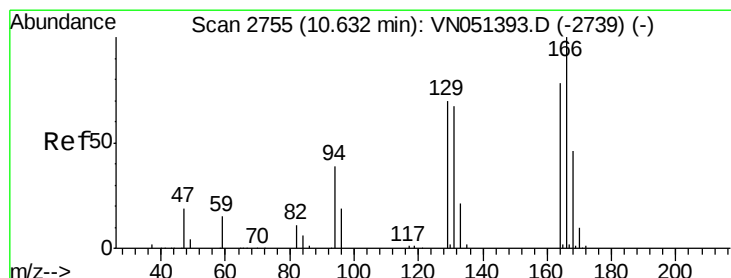
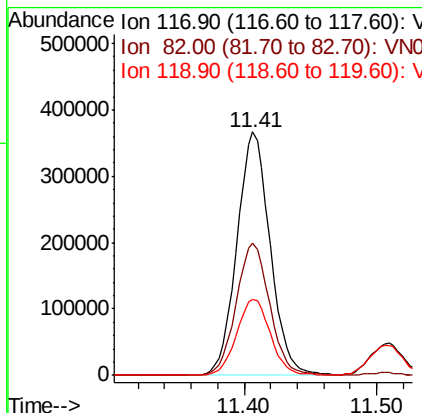
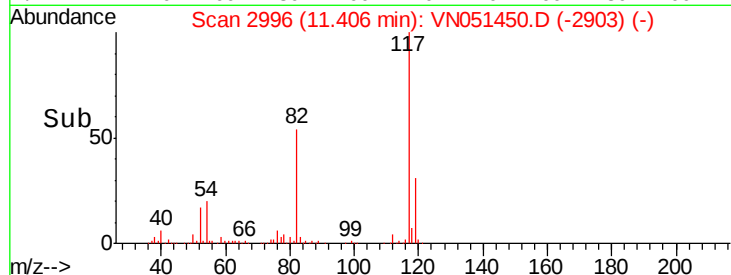
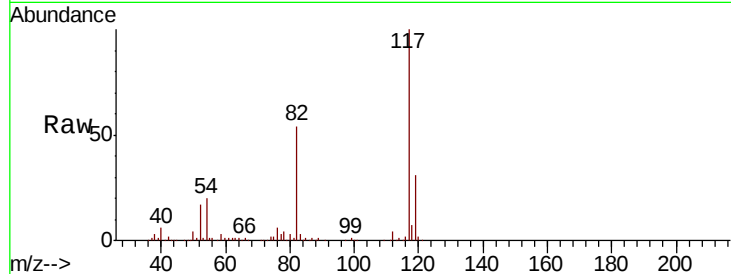
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.2	66.2
119	31.3	25.9	38.9

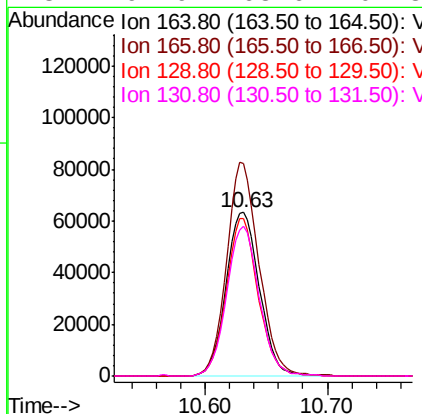
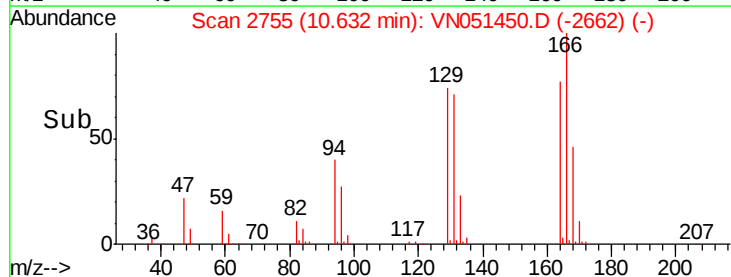
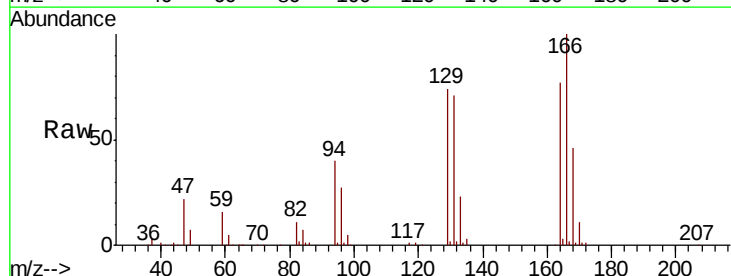
Manual Integrations
APPROVED

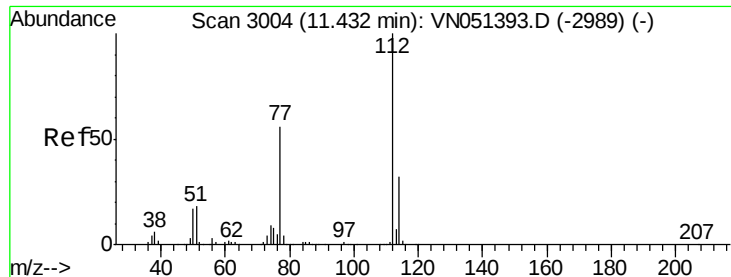
MMDadoda
9/25/2018 11:31:00 AM



#64
Tetrachloroethene
Concen: 20.947 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	102.3	153.5
129	96.7	71.8	107.8
131	91.9	68.6	102.8





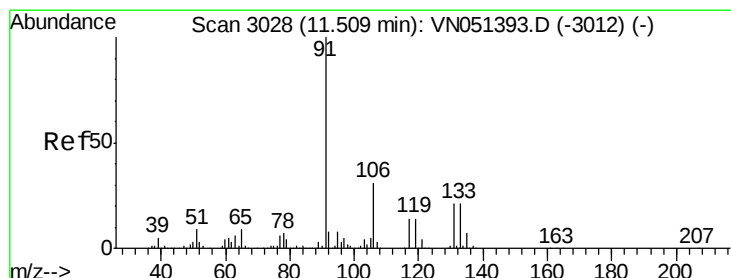
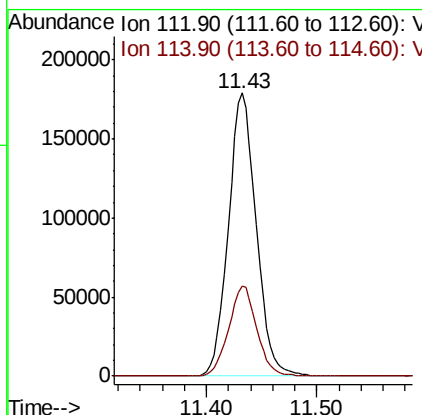
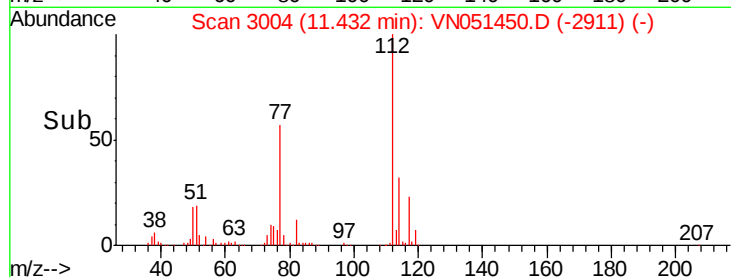
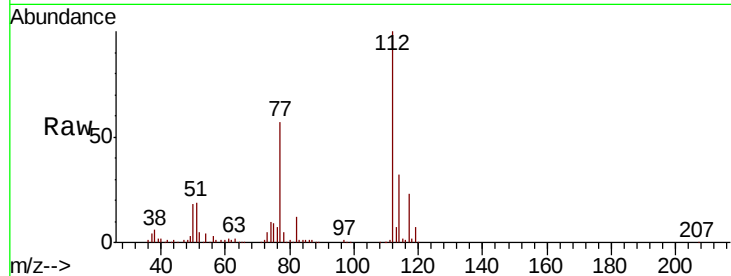
#65
Chlorobenzene
Concen: 19.138 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion:112 Resp: 312739
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

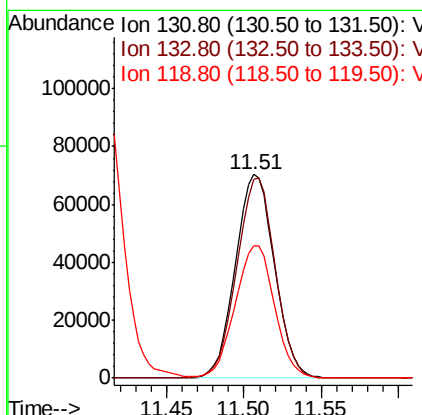
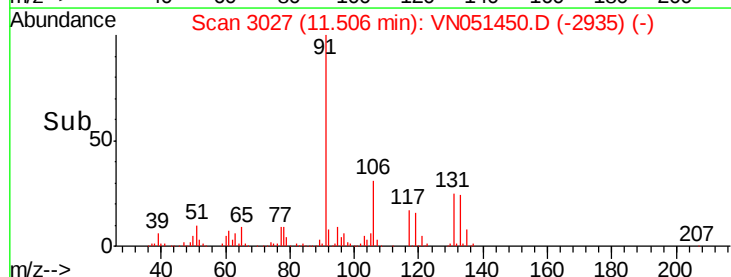
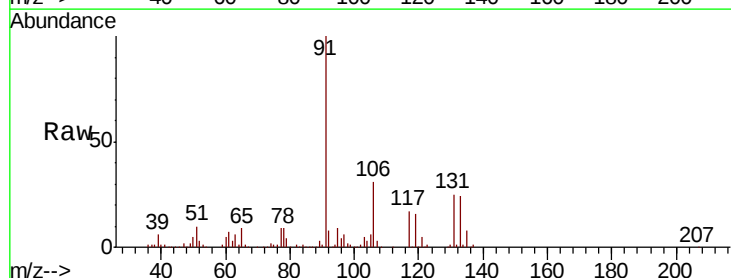
Manual Integrations
APPROVED

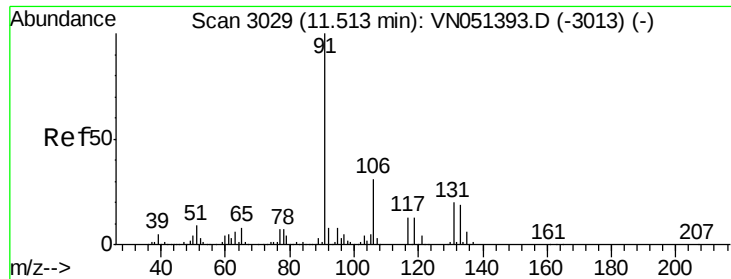
MMDadoda
9/25/2018 11:31:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.833 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion:131 Resp: 123478
Ion Ratio Lower Upper
131 100
133 96.7 48.3 144.8
119 65.7 32.8 98.4





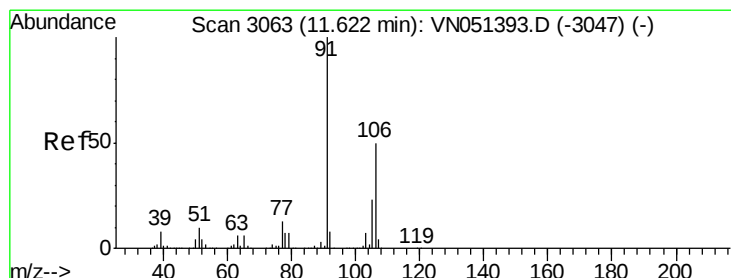
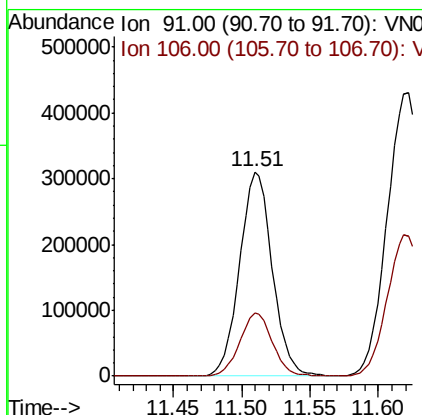
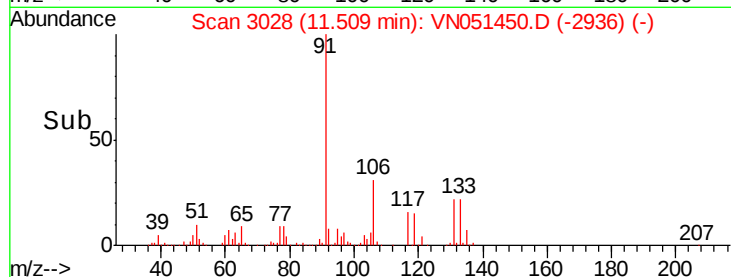
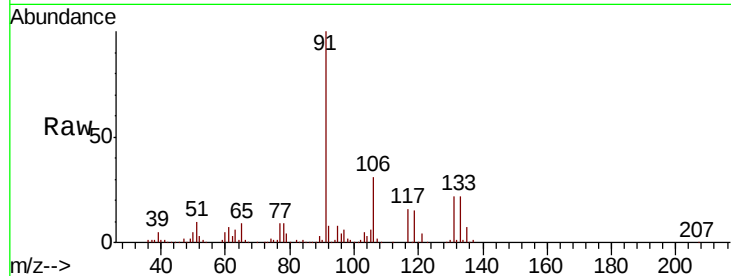
#67
Ethyl Benzene
Concen: 18.755 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampled :
VN0924MBS01

Tot Ion: 91 Resp: 516519
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4

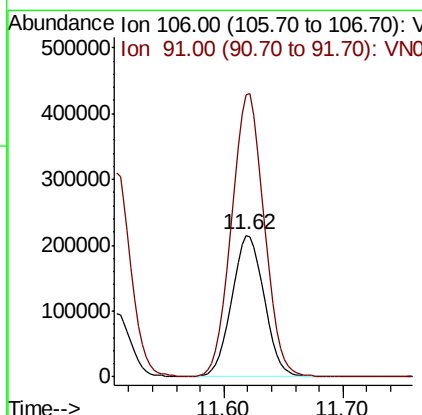
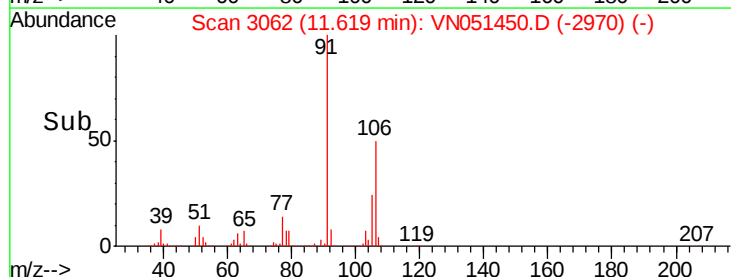
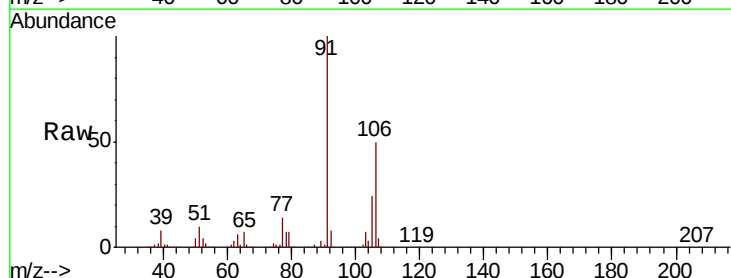
Manual Integrations
APPROVED

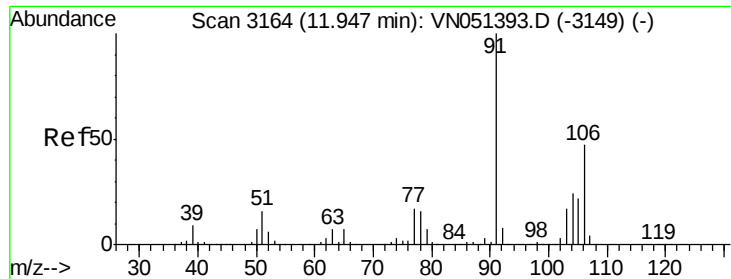
MMDadoda
9/25/2018 11:31:00 AM



#68
m/p-Xylenes
Concen: 38.147 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion: 106 Resp: 406363
Ion Ratio Lower Upper
106 100
91 201.4 161.3 241.9





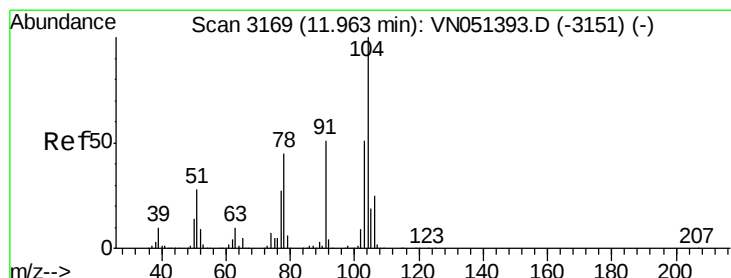
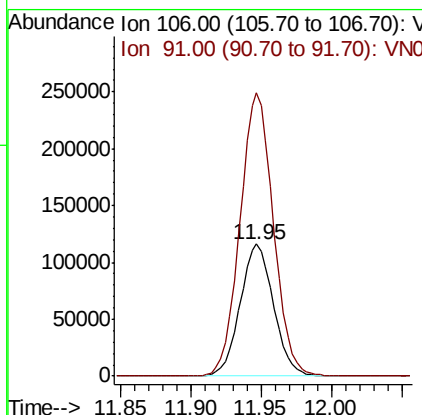
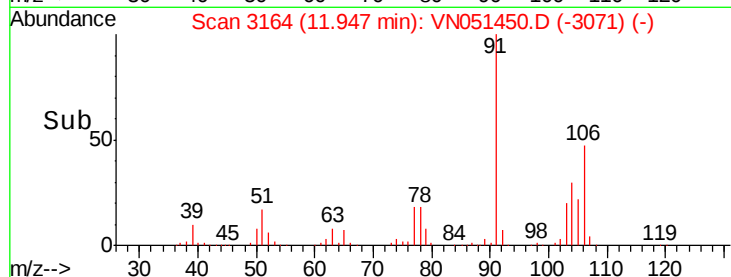
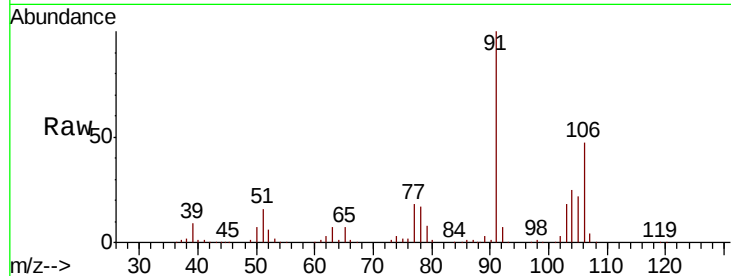
#69
o-Xylene
Concen: 18.749 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion:106 Resp: 192006
Ion Ratio Lower Upper
106 100
91 215.3 105.3 315.9

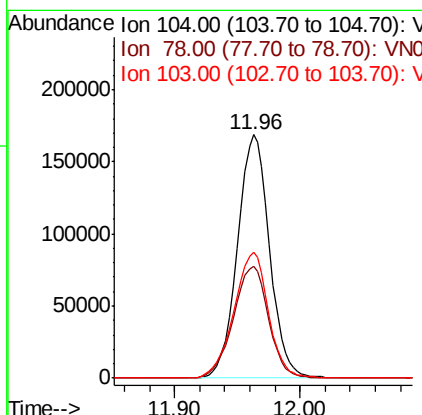
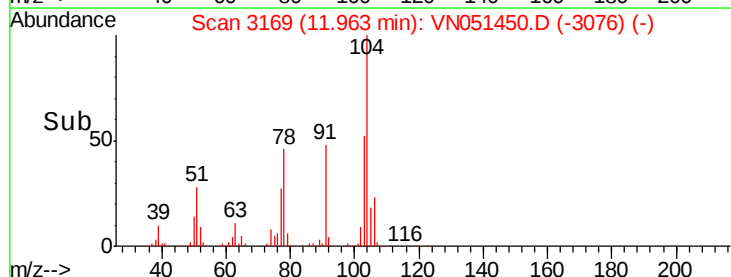
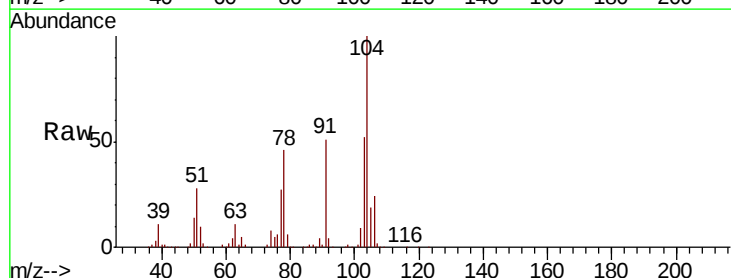
Manual Integrations
APPROVED

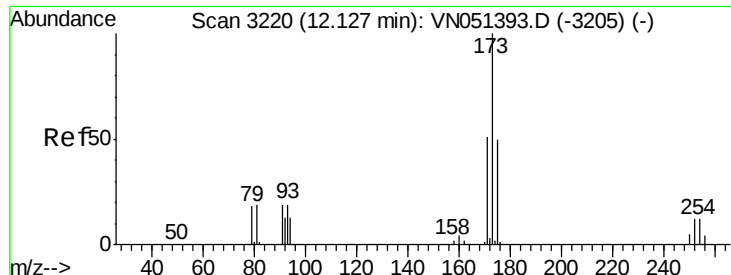
MMDadoda
9/25/2018 11:31:00 AM



#70
Styrene
Concen: 18.464 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion:104 Resp: 299626
Ion Ratio Lower Upper
104 100
78 50.5 39.9 59.9
103 55.7 44.6 66.8





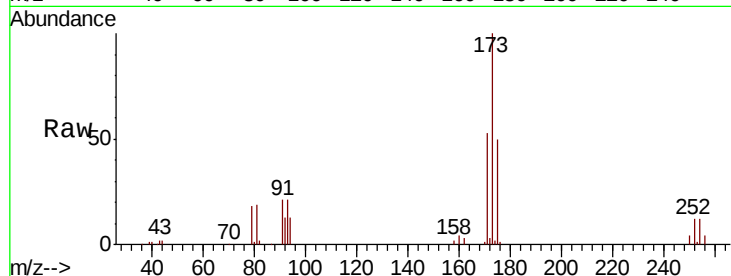
#71
Bromoform
Concen: 18.428 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampled :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM

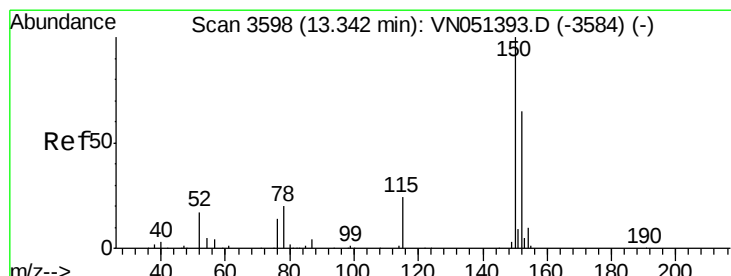
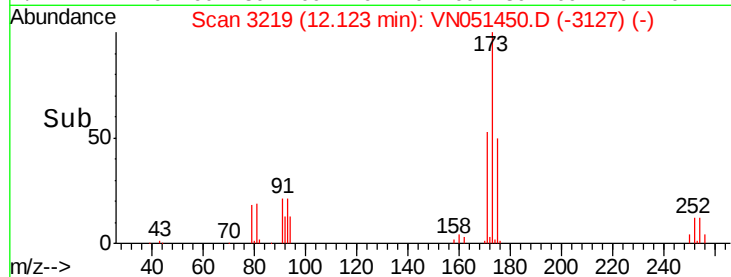
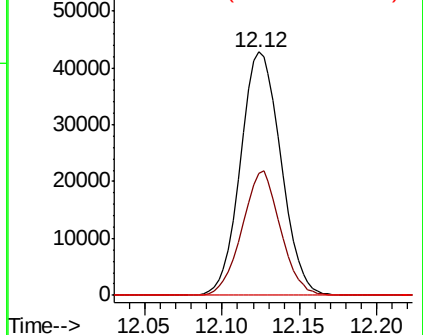


Abundance

Ion 172.70 (172.40 to 173.40): V

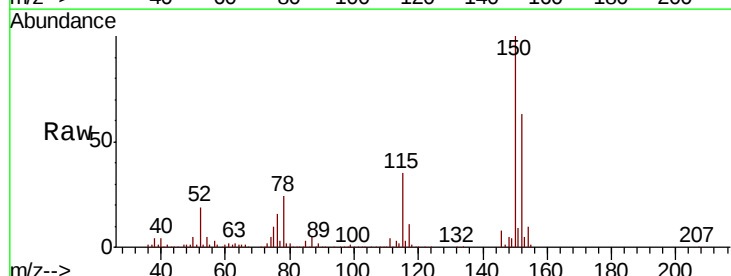
Ion 174.70 (174.40 to 175.40): V

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: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.3	84.9
150	164.1	0.0	353.6

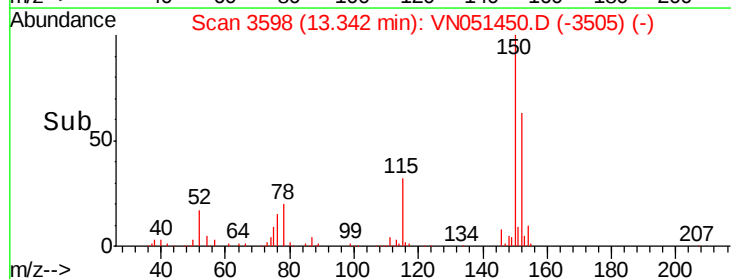
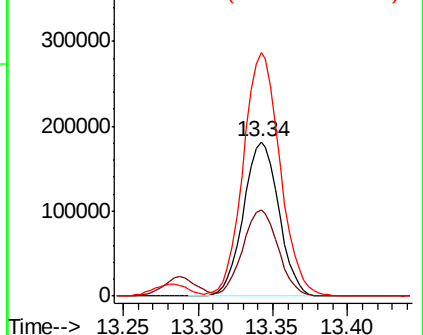


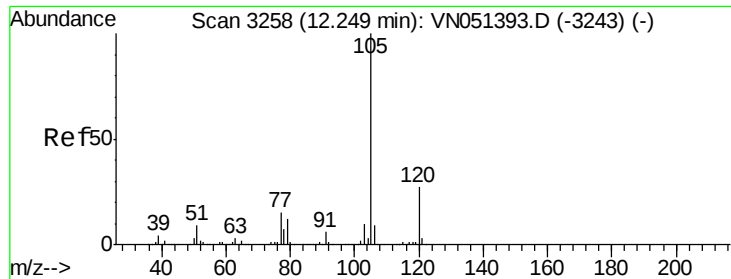
Abundance

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: 20.487 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBS01

Tot Ion: 105 Resp: 517279

Ion Ratio Lower Upper

105 100

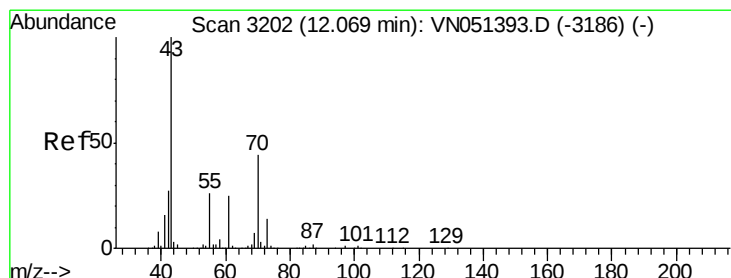
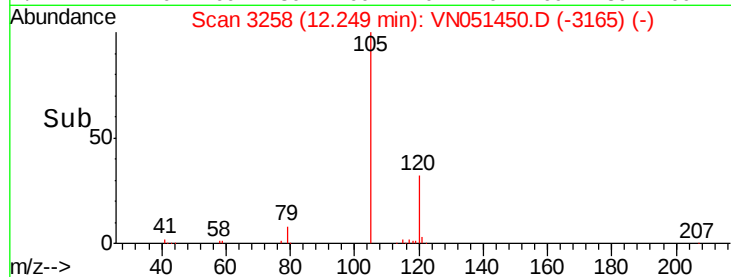
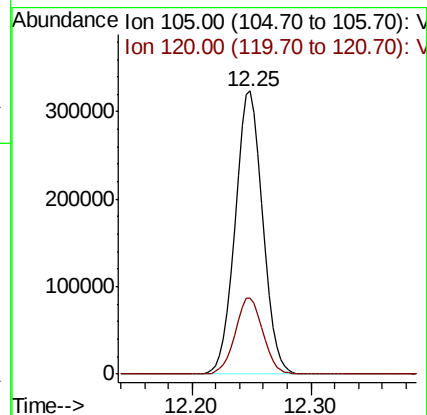
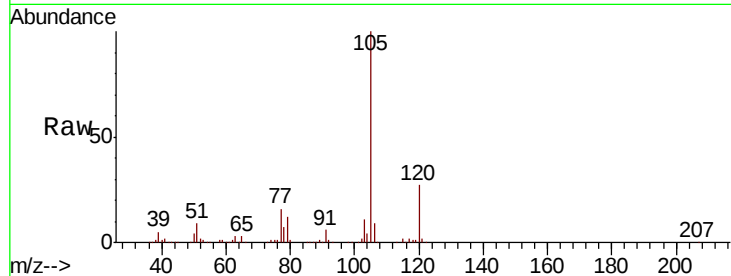
120 27.2 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:00 AM



#74

N-ethyl acetate

Concen: 17.756 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Tgt Ion: 43 Resp: 112482

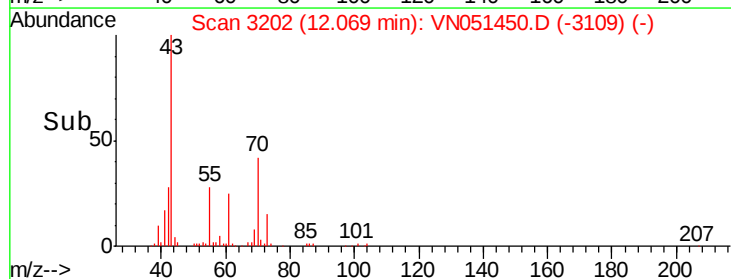
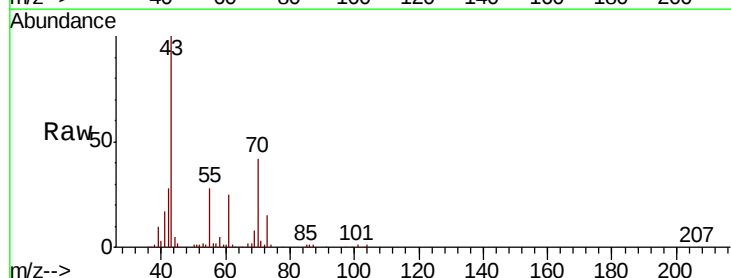
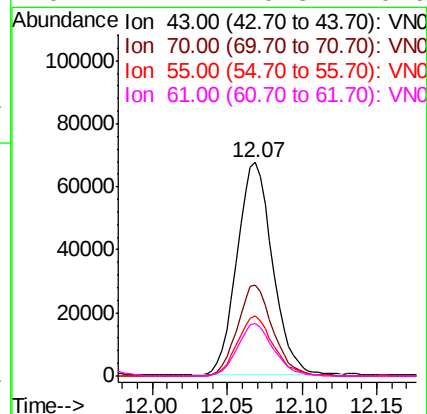
Ion Ratio Lower Upper

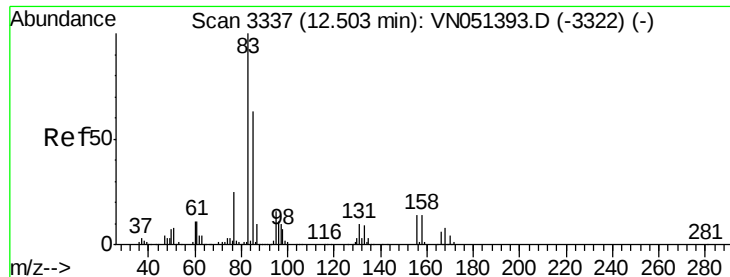
43 100

70 42.1 35.0 52.4

55 28.4 21.4 32.2

61 24.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.069 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

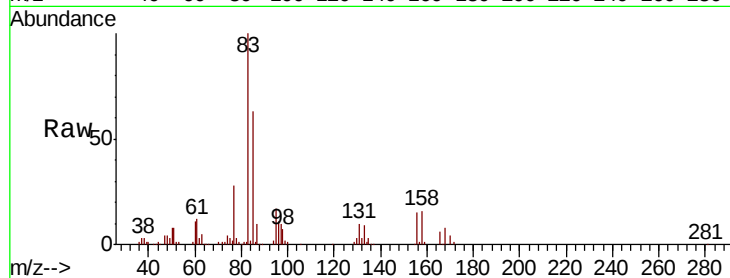
ClientSampleId :

VN0924MBS01

Tot Ion:	83	Resp:	118162
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	64.0	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM



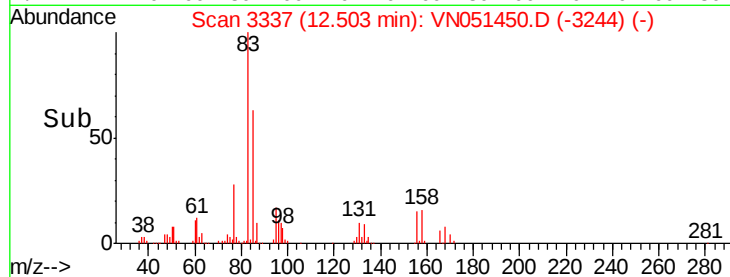
Abundance Ion 82.90 (82.60 to 83.60): VN051393.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051393.D (-3322) (-)

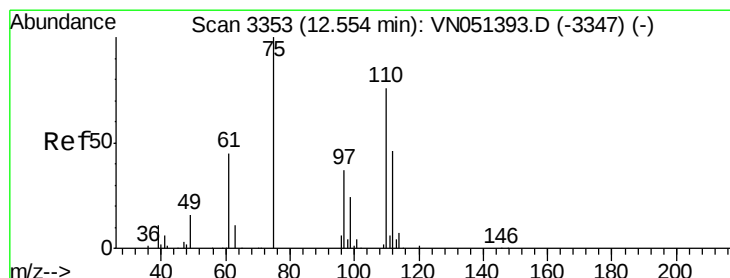
Ion 84.90 (84.60 to 85.60): VN051393.D (-3322) (-)

Time-->

12.50



Time-->



#76

1,2,3-Trichloropropane

Concen: 20.388 ug/l m

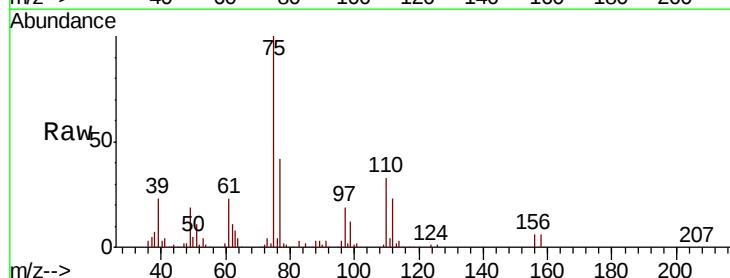
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Tgt Ion:	75	Resp:	101283
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

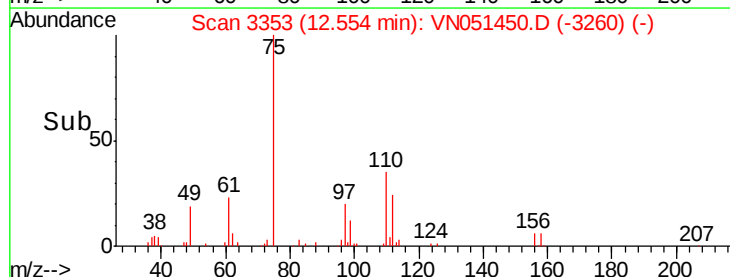


Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-3347) (-)

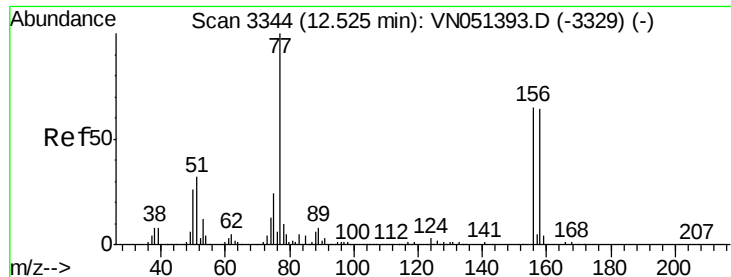
Ion 77.00 (76.70 to 77.70): VN051393.D (-3347) (-)

Time-->

12.55



Time-->



#77

Bromobenzene

Concen: 19.735 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

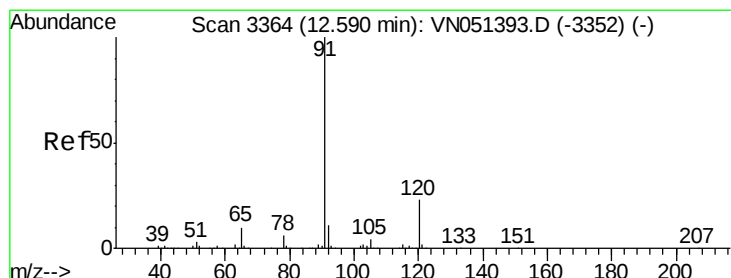
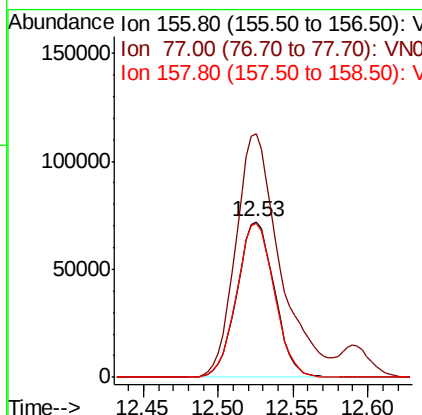
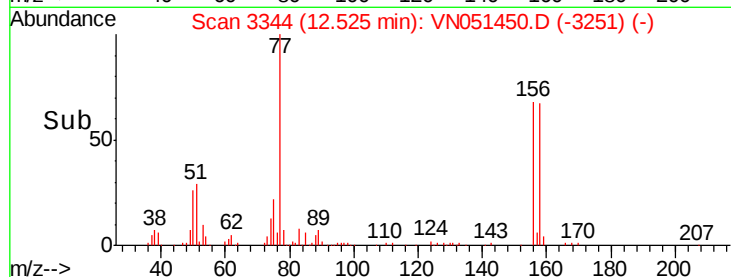
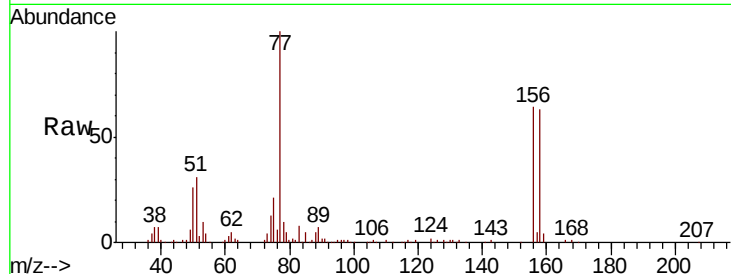
ClientSampleId :

VN0924MBS01

Tot Ion:	156	Resp:	126141
Ion Ratio	Lower	Upper	
156	100		
77	185.0	89.5	268.4
158	99.1	49.4	148.2

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM



#78

n-propylbenzene

Concen: 20.380 ug/l

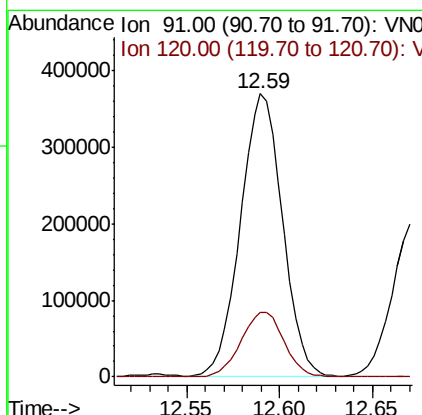
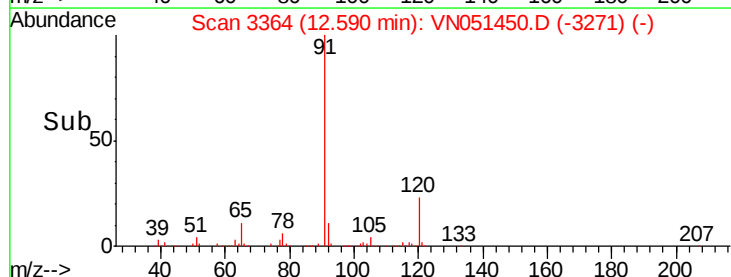
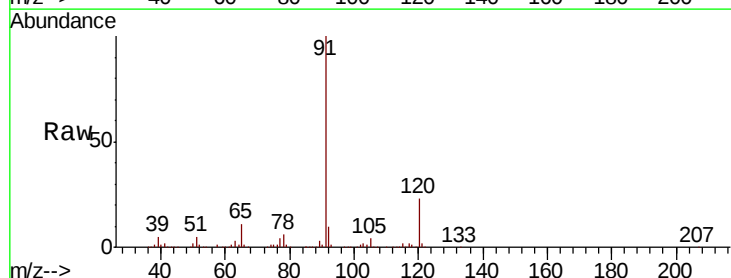
RT: 12.59 min Scan# 3364

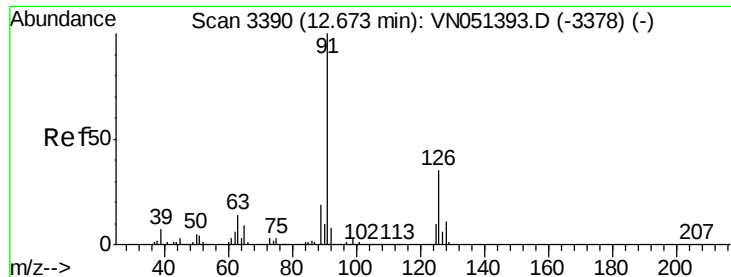
Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Tgt Ion:	91	Resp:	579927
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.477 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

VN0924MBS01

Tot Ion: 91 Resp: 348795

Ion Ratio Lower Upper

91 100

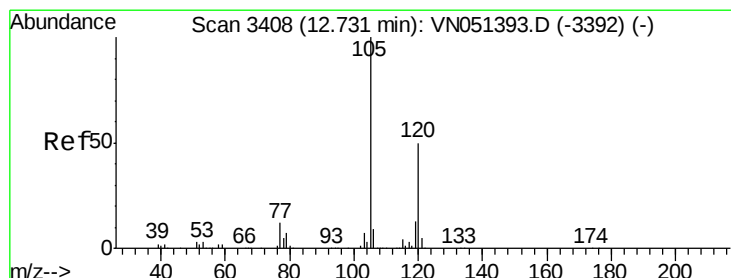
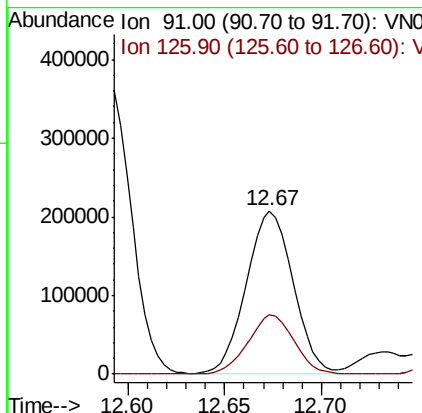
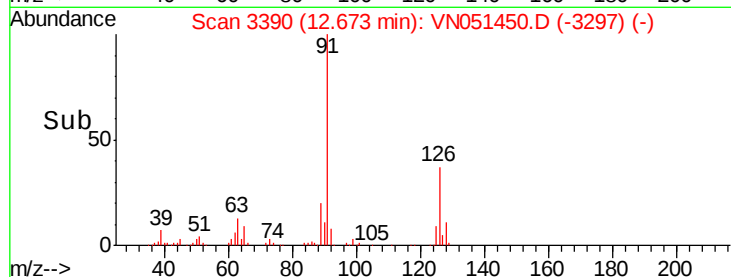
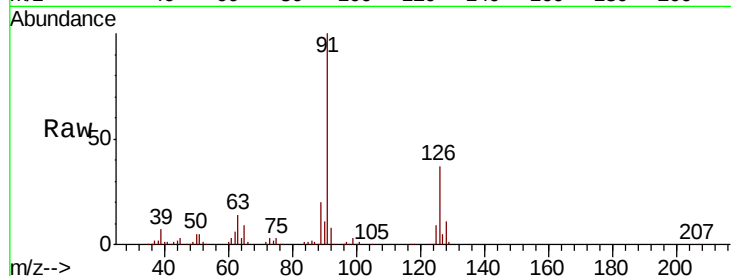
126 35.9 17.6 52.8

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:00 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.724 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051450.D

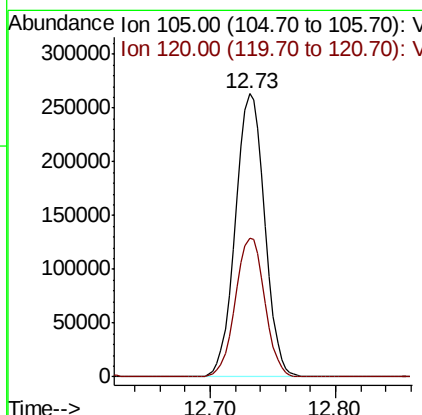
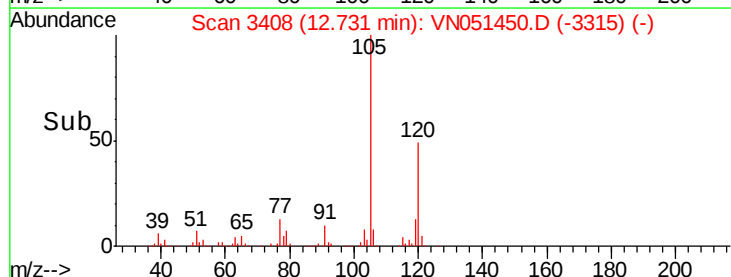
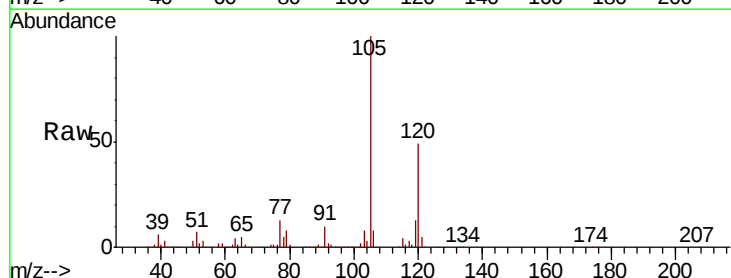
Acq: 24 Sep 2018 10:38

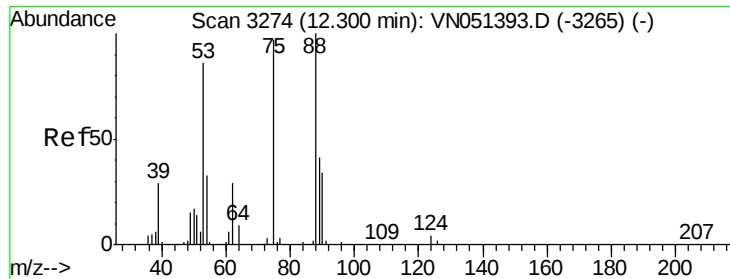
Tgt Ion: 105 Resp: 426658

Ion Ratio Lower Upper

105 100

120 49.4 24.8 74.4





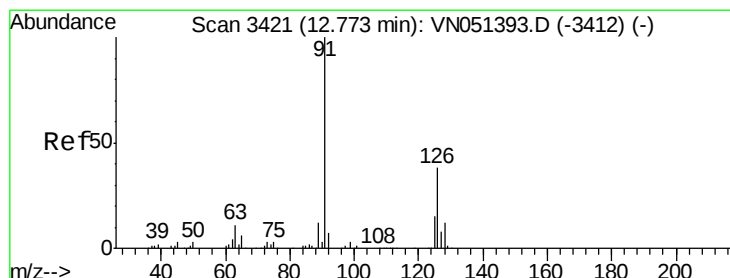
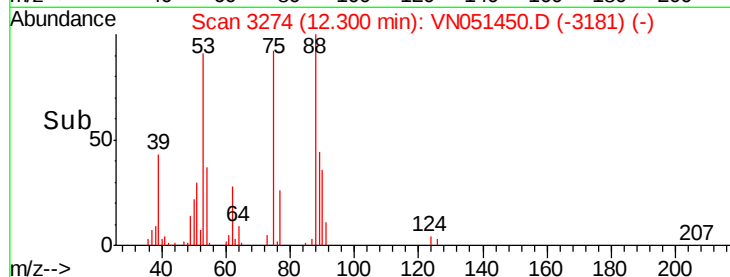
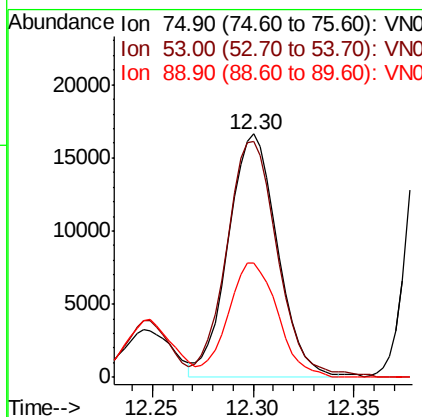
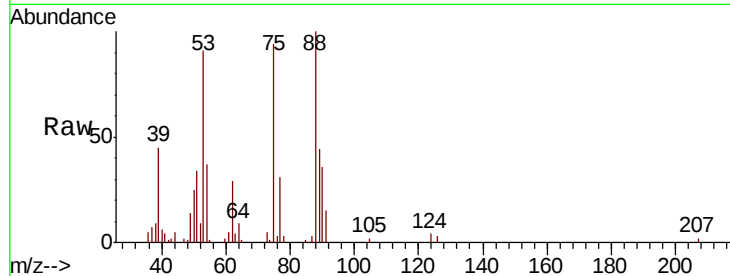
#81
trans-1,4-Dichloro-2-butene
Concen: 17.663 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.4	73.9	110.9
89	47.3	36.7	55.1

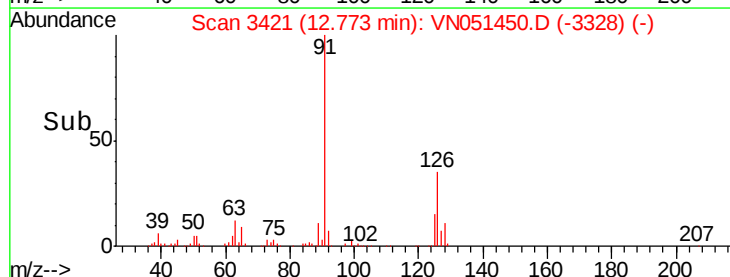
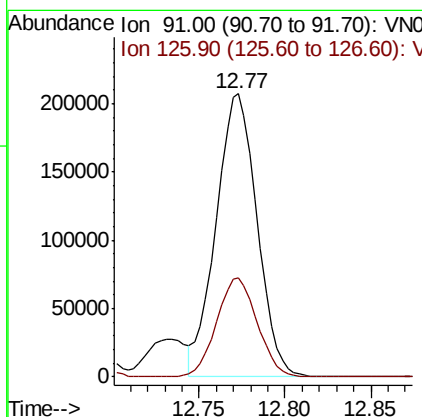
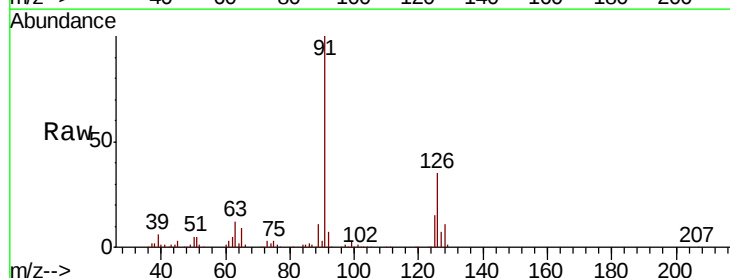
Manual Integrations
APPROVED

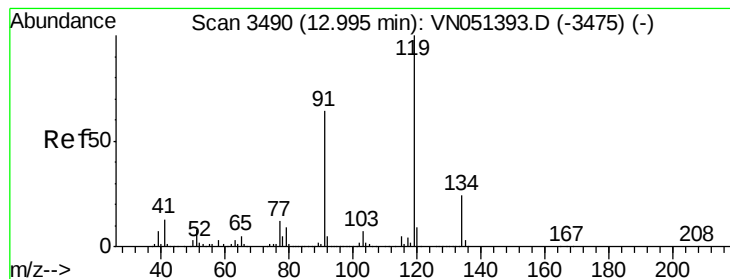
MMDadoda
9/25/2018 11:31:00 AM



#82
4-Chlorotoluene
Concen: 20.250 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.5





#83

tert-Butylbenzene

Concen: 20.457 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

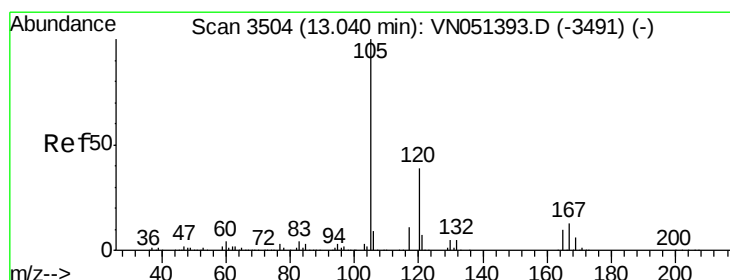
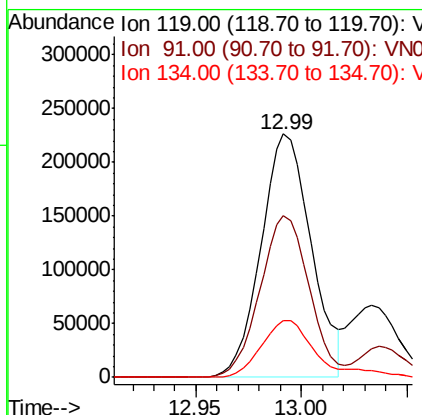
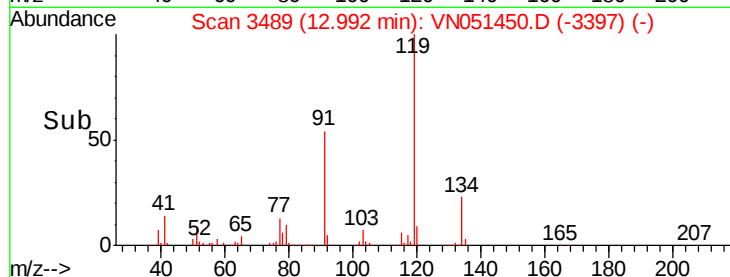
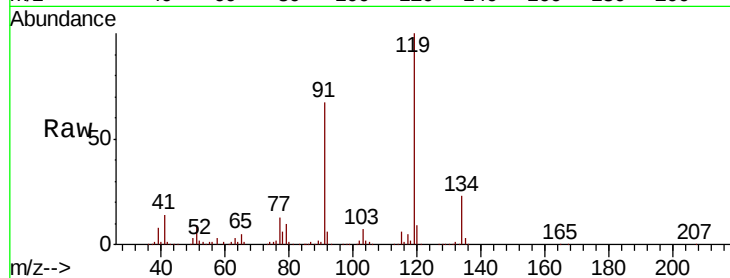
ClientSampleId :

VN0924MBS01

Tot Ion:	119	Resp:	374872
Ion Ratio	Lower	Upper	
119	100		
91	65.2	31.7	95.1
134	25.9	12.3	36.9

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.870 ug/l

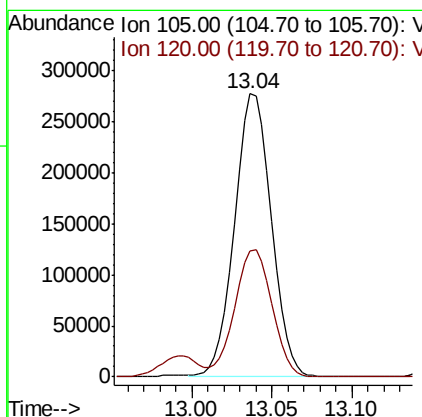
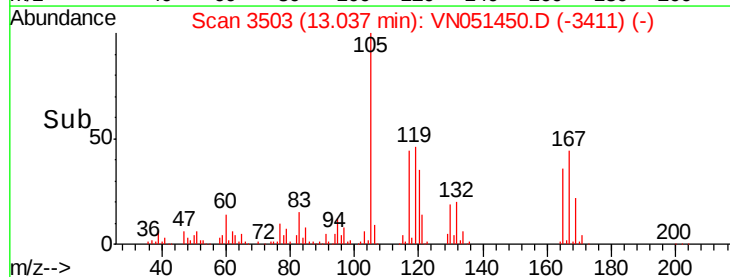
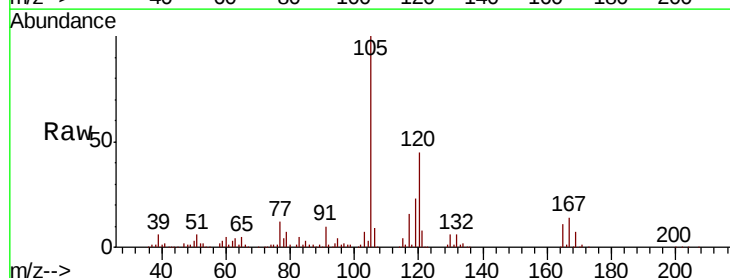
RT: 13.04 min Scan# 3503

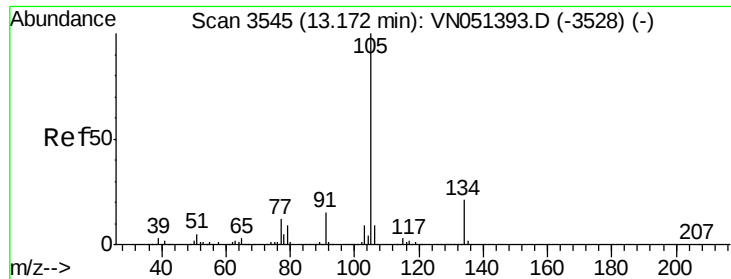
Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Tgt Ion:	105	Resp:	432963
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.428 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Instrument :

MSVOA_N

ClientSampled :

VN0924MBS01

Tot Ion:105 Resp: 506430

Ion Ratio Lower Upper

105 100

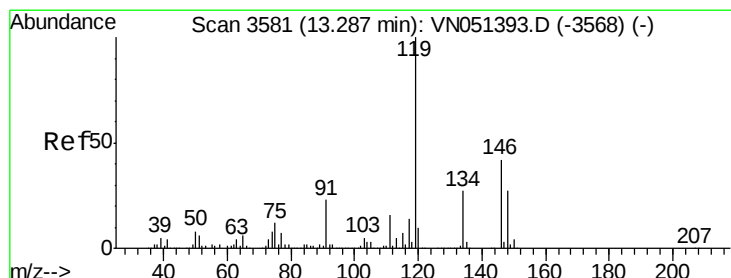
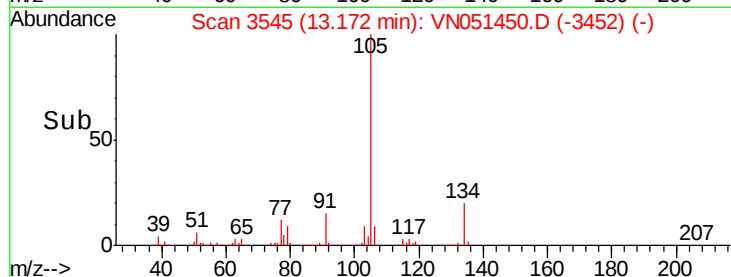
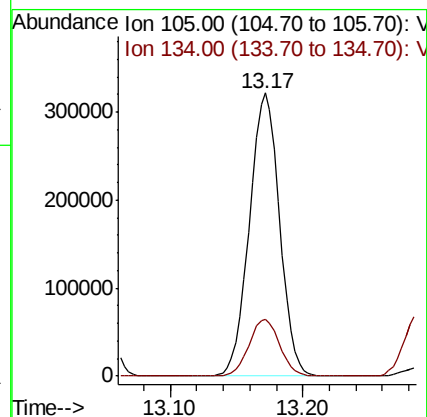
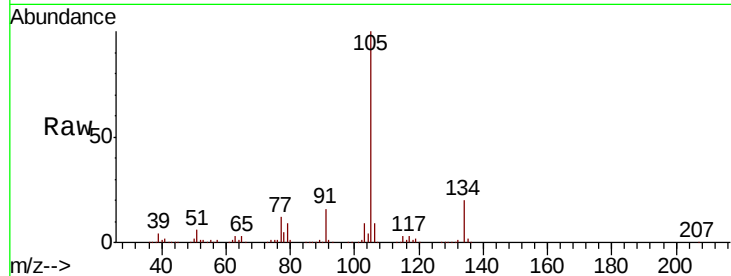
134 20.4 10.4 31.1

Manual Integrations

APPROVED

MMDadoda

9/25/2018 11:31:00 AM



#86

p-Isopropyltoluene

Concen: 19.963 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

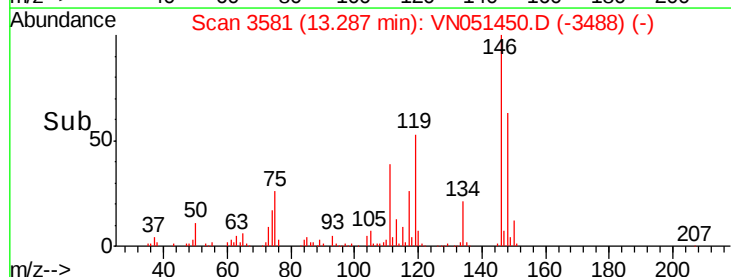
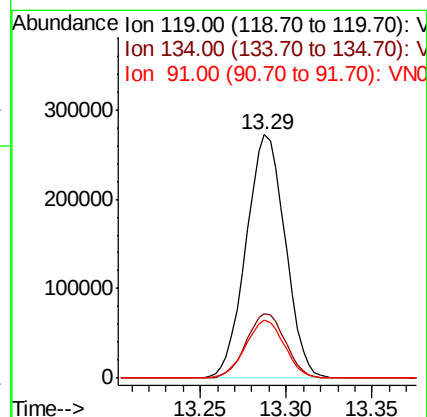
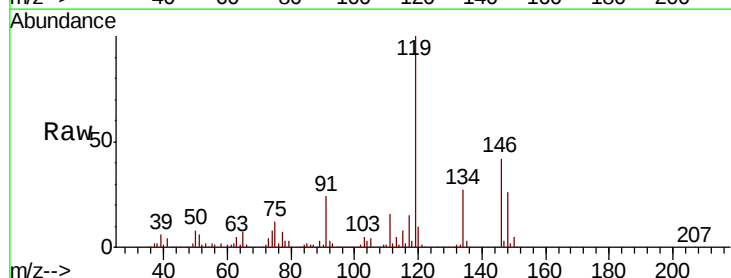
Tgt Ion:119 Resp: 428229

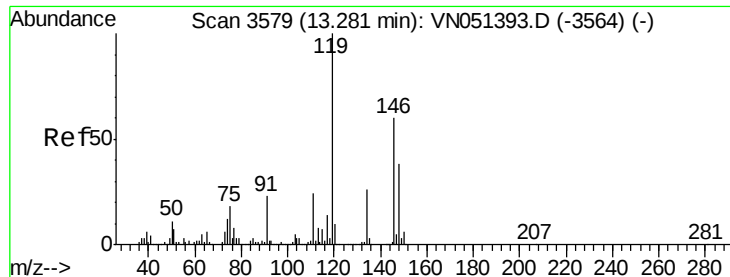
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

91 23.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.864 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051450.D

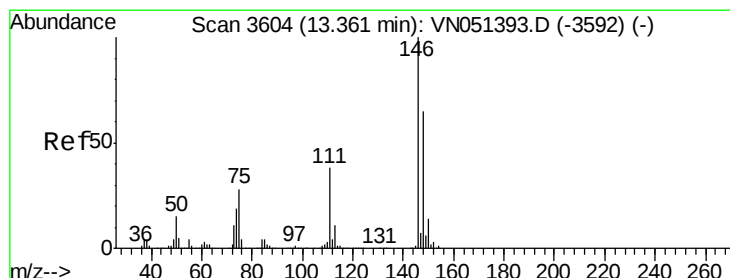
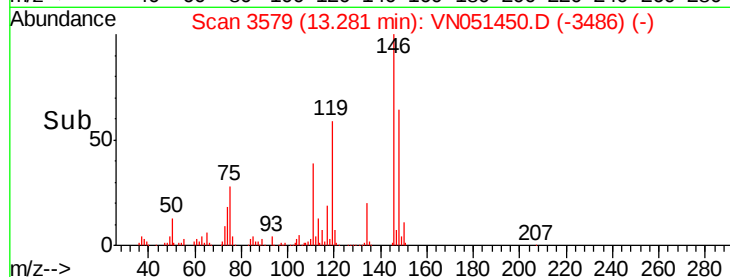
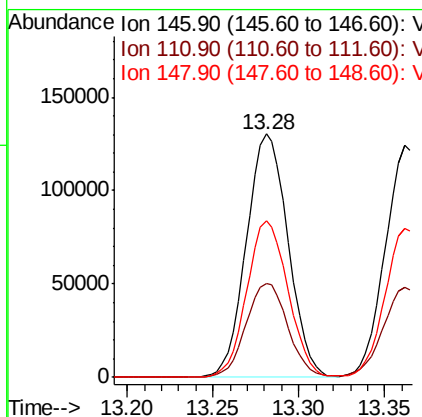
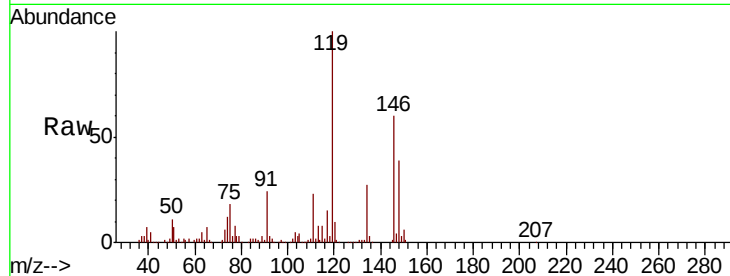
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.7	59.1
148	63.6	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM



#88

1,4-Dichlorobenzene

Concen: 19.179 ug/l

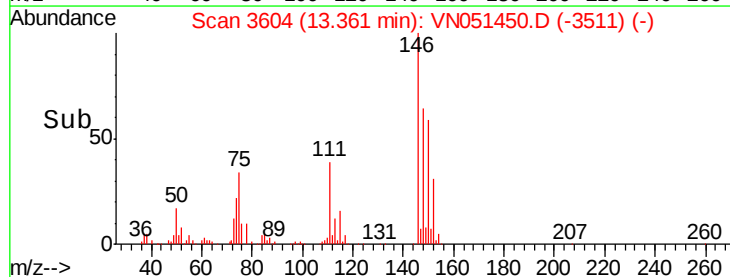
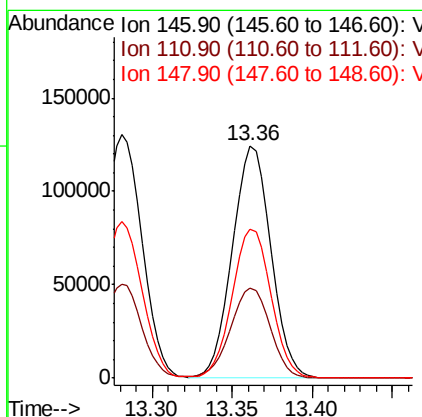
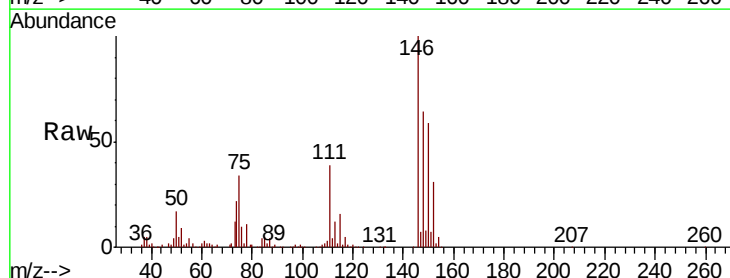
RT: 13.36 min Scan# 3604

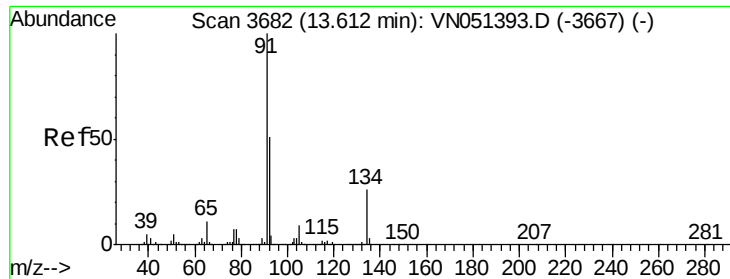
Delta R.T. -0.00 min

Lab File: VN051450.D

Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.1	57.1
148	64.9	32.5	97.5





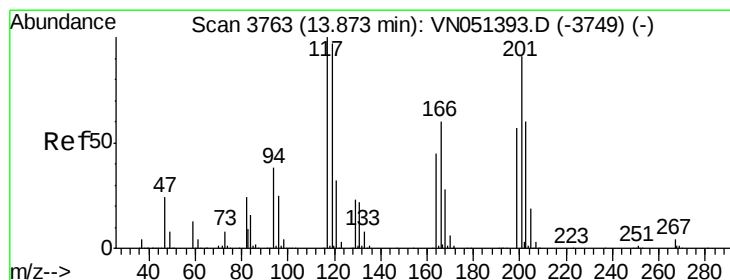
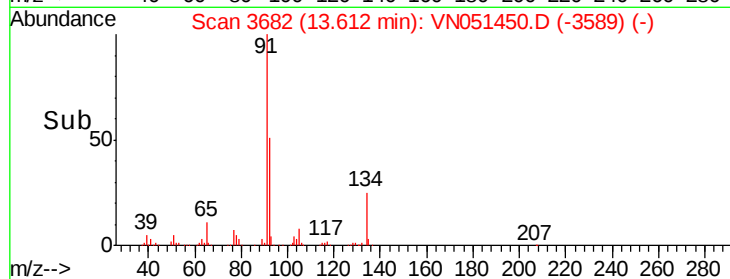
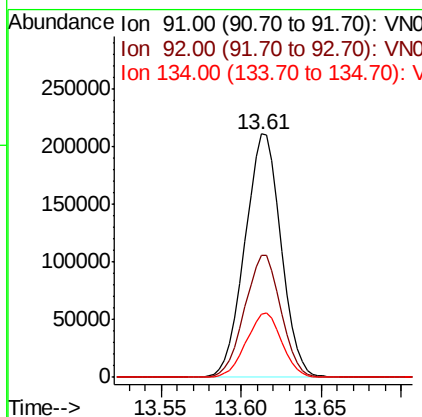
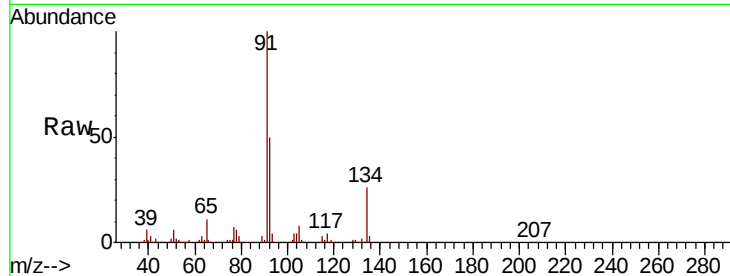
#89
n-Butylbenzene
Concen: 18.512 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampled :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.5	76.5
134	26.2	13.3	39.8

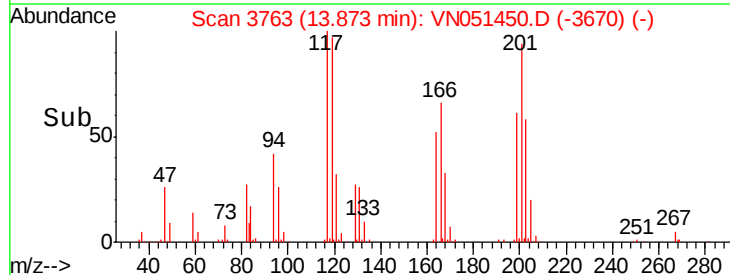
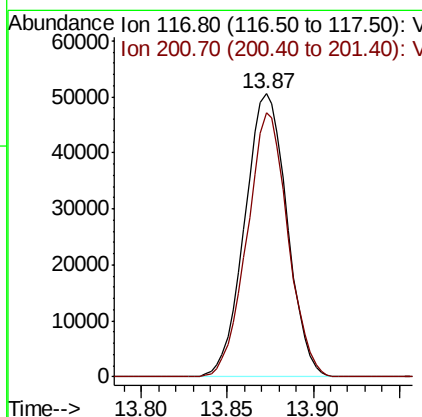
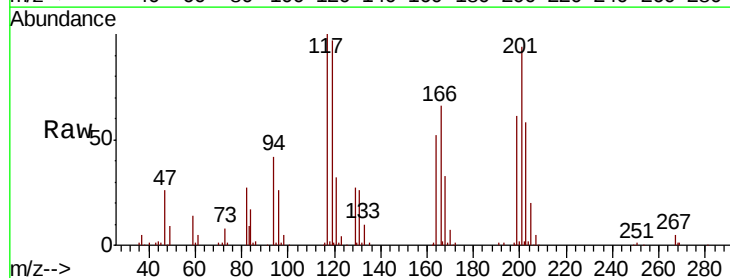
Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM



#90
Hexachloroethane
Concen: 20.205 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.9	45.5	136.4





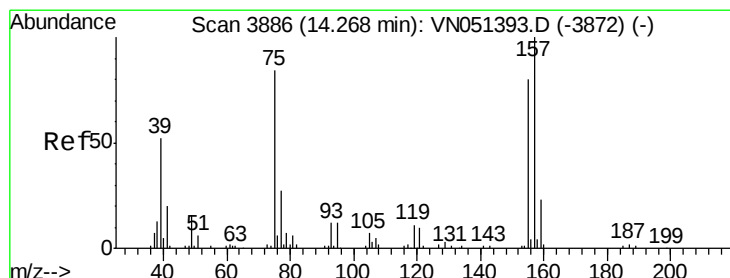
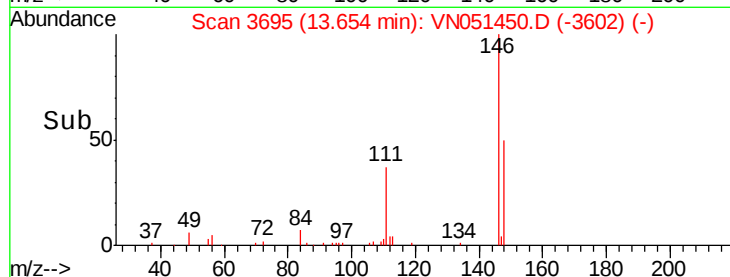
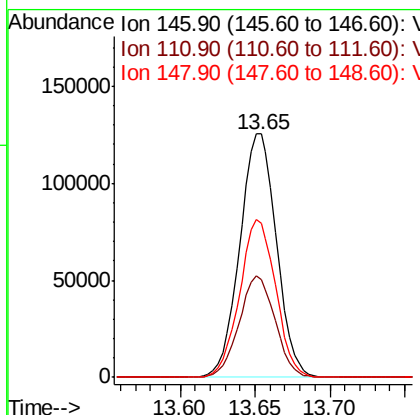
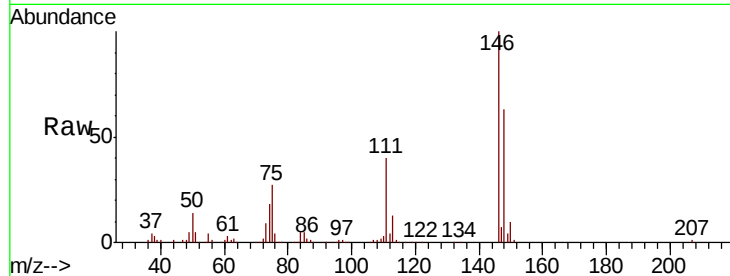
#91
 1,2-Dichlorobenzene
 Concen: 19.892 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	60.0
148	63.8	32.1	96.5

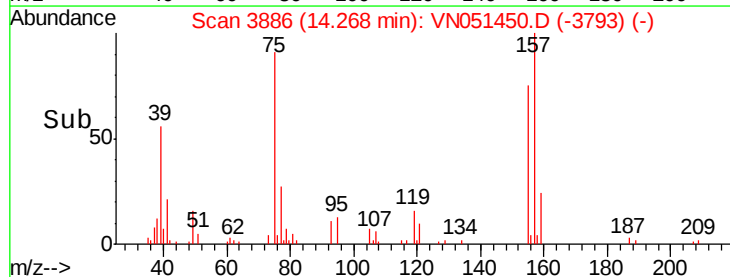
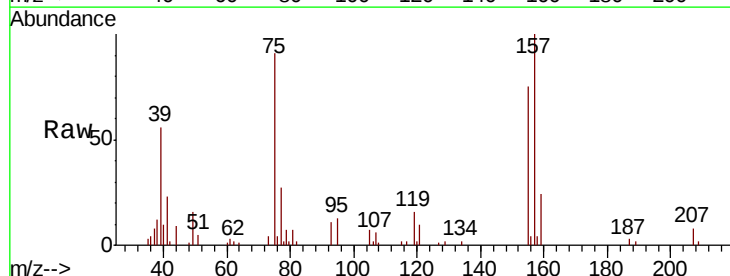
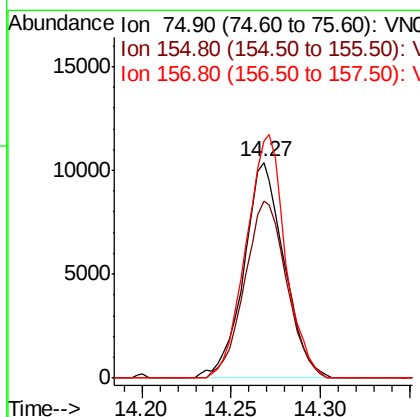
Manual Integrations
 APPROVED

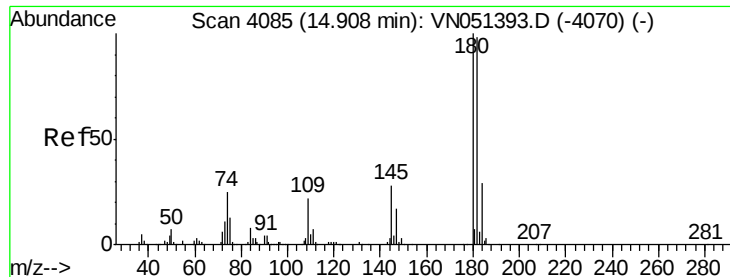
MMDadoda
 9/25/2018 11:31:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.498 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	46.9	140.6
157	109.5	58.4	175.1





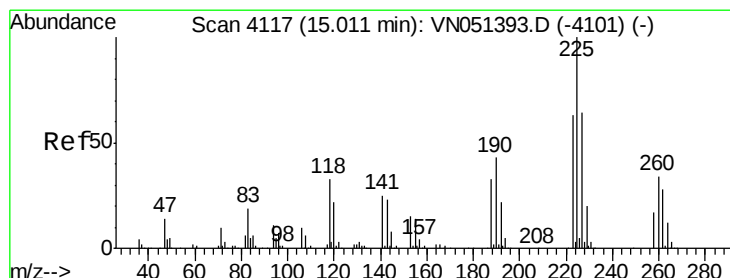
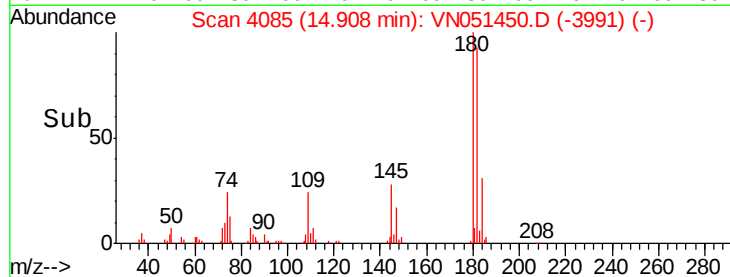
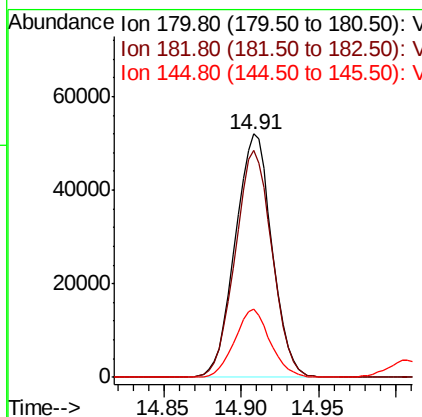
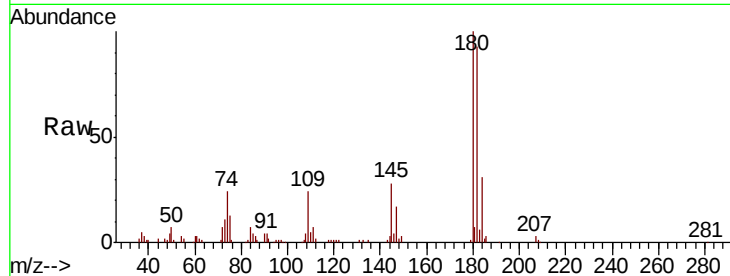
#93
 1,2,4-Trichlorobenzene
 Concen: 19.026 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBS01

Tot Ion:	180	Resp:	85731
Ion Ratio	Lower	Upper	
180	100		
182	93.5	48.5	145.6
145	26.9	14.1	42.4

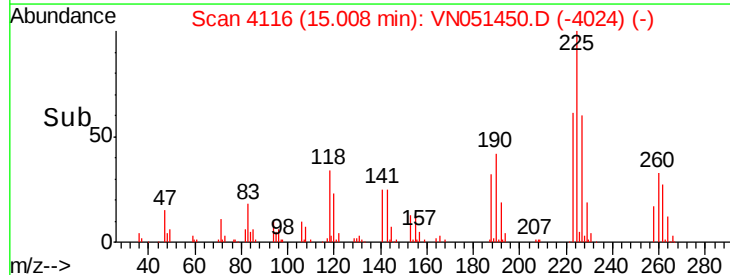
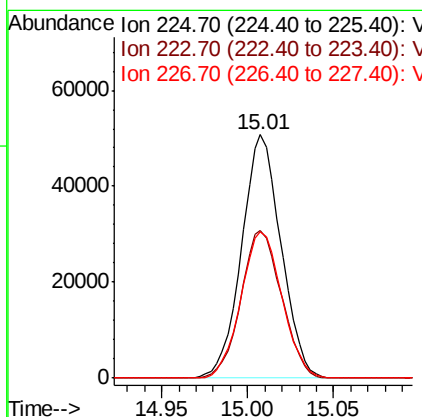
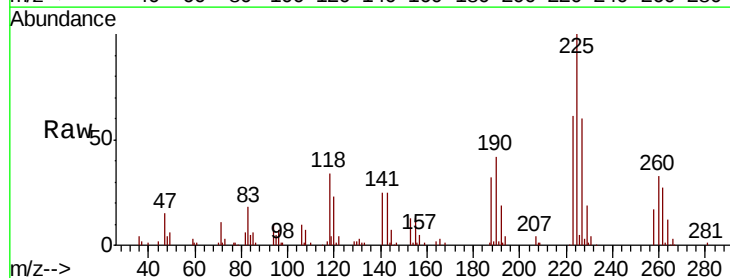
Manual Integrations
 APPROVED

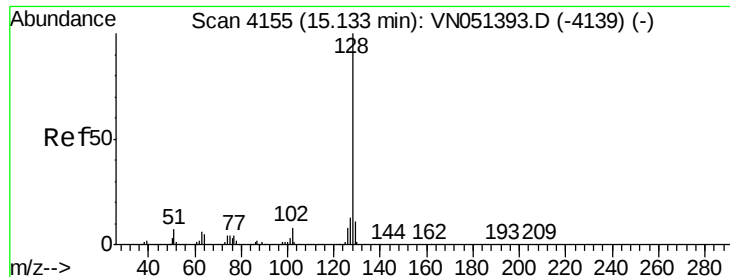
MMDadoda
 9/25/2018 11:31:00 AM



#94
 Hexachlorobutadiene
 Concen: 19.884 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051450.D
 Acq: 24 Sep 2018 10:38

Tgt Ion:	225	Resp:	80742
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.9	95.9
227	62.7	32.5	97.5





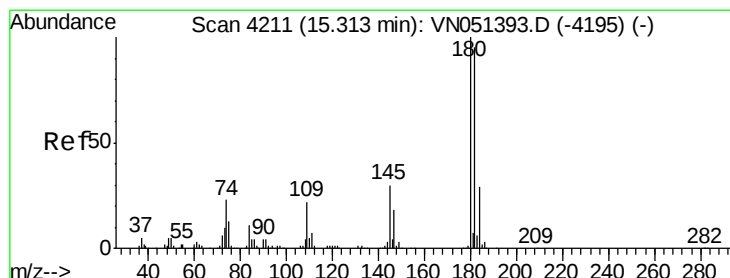
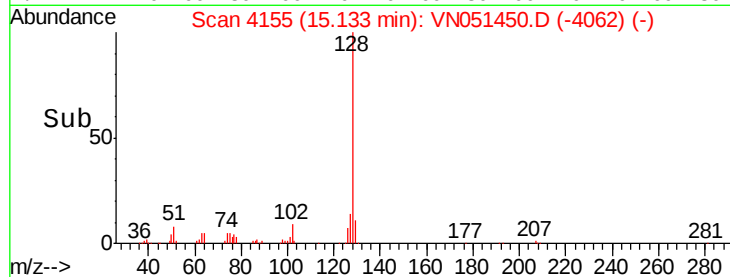
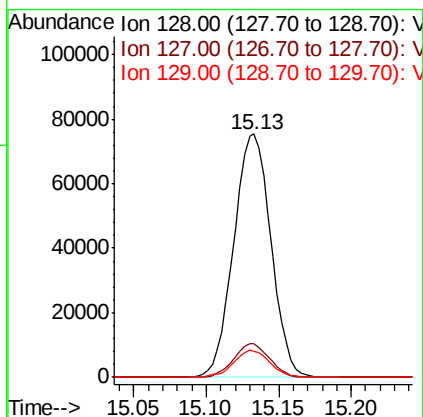
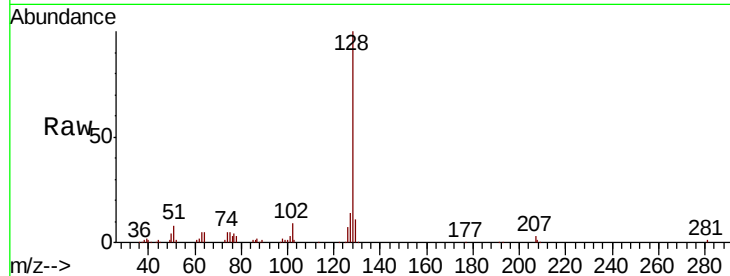
#95
Naphthalene
Concen: 18.197 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:31:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.774 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051450.D
Acq: 24 Sep 2018 10:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.2	141.6
145	30.0	14.6	43.8

