

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051565.D
 Acq On : 27 Sep 2018 5:58
 Operator : MD\SY
 Sample : VN0927WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:18:45 PM

Quant Time: Sep 27 09:19:48 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	453156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	677776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	593576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	297857	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	311736	54.92	ug/l	0.00
Spiked Amount			Recovery	=	109.84%	
35) Dibromofluoromethane	7.59	113	277059	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	10.09	98	1001625	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.40	95	321974	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	73398	17.361	ug/l	98
3) Chloromethane	2.06	50	113324	16.838	ug/l	97
4) Vinyl Chloride	2.18	62	133985	18.038	ug/l	100
5) Bromomethane	2.57	94	61545	13.869	ug/l	97
6) Chloroethane	2.70	64	62181	13.434	ug/l	100
7) Trichlorofluoromethane	3.01	101	173388	17.821	ug/l	98
8) Diethyl Ether	3.42	74	57575	17.047	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	100584	18.318	ug/l	98
10) Methyl Iodide	3.95	142	105563	14.668	ug/l	97
11) Tert butyl alcohol	4.79	59	34724	108.386	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	86050	17.067	ug/l	99
13) Acrolein	3.61	56	22052	69.317	ug/l	95
14) Allyl chloride	4.33	41	152776	18.060	ug/l	98
15) Acrylonitrile	4.99	53	180087	103.333	ug/l	99
16) Acetone	3.82	43	127404	85.129	ug/l	97
17) Carbon Disulfide	4.05	76	233482	15.762	ug/l	100
18) Methyl Acetate	4.33	43	104127	24.085	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	253830	19.523	ug/l	98
20) Methylene Chloride	4.55	84	111886	19.918	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	96322	18.675	ug/l	99
22) Diisopropyl ether	5.96	45	359501	21.986	ug/l	98
23) Vinyl Acetate	5.90	43	1070086	99.682	ug/l	99
24) 1,1-Dichloroethane	5.85	63	208720	21.394	ug/l	100
25) 2-Butanone	6.84	43	195632	100.688	ug/l	100
26) 2,2-Dichloropropane	6.83	77	102806	13.499	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	112148	19.816	ug/l	100
28) Bromochloromethane	7.20	49	99270	22.034	ug/l	94
29) Tetrahydrofuran	7.22	42	134871	109.538	ug/l	95
30) Chloroform	7.37	83	209557	21.677	ug/l	99
31) Cyclohexane	7.65	56	159868	17.885	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	174975	21.172	ug/l	99
36) 1,1-Dichloropropene	7.80	75	139876	17.821	ug/l	100
37) Ethyl Acetate	6.93	43	90918	20.147	ug/l	99
38) Carbon Tetrachloride	7.78	117	154848	18.862	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051565.D
 Acq On : 27 Sep 2018 5:58
 Operator : MD\SY
 Sample : VN0927WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:18:45 PM

Quant Time: Sep 27 09:19:48 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	144323	15.730	ug/l	93
40) Benzene	8.05	78	445664	19.338	ug/l	98
41) Methacrylonitrile	7.17	41	44301	17.744	ug/l	96
42) 1,2-Dichloroethane	8.13	62	149265	20.228	ug/l	99
43) Isopropyl Acetate	8.17	43	177197	21.715	ug/l	95
44) Trichloroethene	8.84	130	115277	18.833	ug/l	97
45) 1,2-Dichloropropane	9.12	63	129955	20.745	ug/l	98
46) Dibromomethane	9.21	93	70648	19.959	ug/l	98
47) Bromodichloromethane	9.40	83	158826	20.276	ug/l	96
48) Methyl methacrylate	9.20	41	78555	19.309	ug/l	97
49) 1,4-Dioxane	9.20	88	19333	387.738	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	464223	103.440	ug/l	97
52) Toluene	10.16	92	270148	18.862	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	136182	17.221	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	163590	17.838	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	104810	20.707	ug/l	97
56) Ethyl methacrylate	10.43	69	114955	18.576	ug/l	98
57) 1,3-Dichloropropane	10.71	76	174196	20.079	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	293550	100.879	ug/l	97
59) 2-Hexanone	10.75	43	279548	96.087	ug/l	95
60) Dibromochloromethane	10.90	129	114492	19.171	ug/l	100
61) 1,2-Dibromoethane	11.01	107	93833	19.096	ug/l	99
64) Tetrachloroethene	10.63	164	111974	20.786	ug/l	98
65) Chlorobenzene	11.44	112	286981	18.844	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	118014	20.340	ug/l	99
67) Ethyl Benzene	11.51	91	467067	18.198	ug/l	99
68) m/p-Xylenes	11.62	106	368036	37.072	ug/l	99
69) o-Xylene	11.95	106	176089	18.451	ug/l	97
70) Styrene	11.97	104	281617	18.622	ug/l	99
71) Bromoform	12.13	173	74216	18.851	ug/l #	99
73) Isopropylbenzene	12.25	105	473216	18.830	ug/l	99
74) N-amyl acetate	12.07	43	119512	18.953	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	123489	21.072	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	103129m	20.857	ug/l	
77) Bromobenzene	12.53	156	118076	18.560	ug/l	95
78) n-propylbenzene	12.59	91	530955	18.746	ug/l	98
79) 2-Chlorotoluene	12.68	91	330557	19.497	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	393894	19.222	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25755	16.016	ug/l	94
82) 4-Chlorotoluene	12.77	91	322179	19.039	ug/l	98
83) tert-Butylbenzene	12.99	119	346738	19.010	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	398911	19.318	ug/l	100
85) sec-Butylbenzene	13.17	105	467638	18.952	ug/l	100
86) p-Isopropyltoluene	13.29	119	392898	18.402	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	208071	18.899	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	195404	18.446	ug/l	99
89) n-Butylbenzene	13.62	91	295584	16.835	ug/l	99
90) Hexachloroethane	13.87	117	81886	19.248	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	207911	19.463	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18362	21.955	ug/l	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
Data File : VN051565.D
Acq On : 27 Sep 2018 5:58
Operator : MD\SY
Sample : VN0927WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM

Quant Time: Sep 27 09:19:48 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	75581	17.536	ug/l	99
94) Hexachlorobutadiene	15.01	225	73615	18.214	ug/l	98
95) Naphthalene	15.13	128	131056	17.974	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	82229	16.040	ug/l	97

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

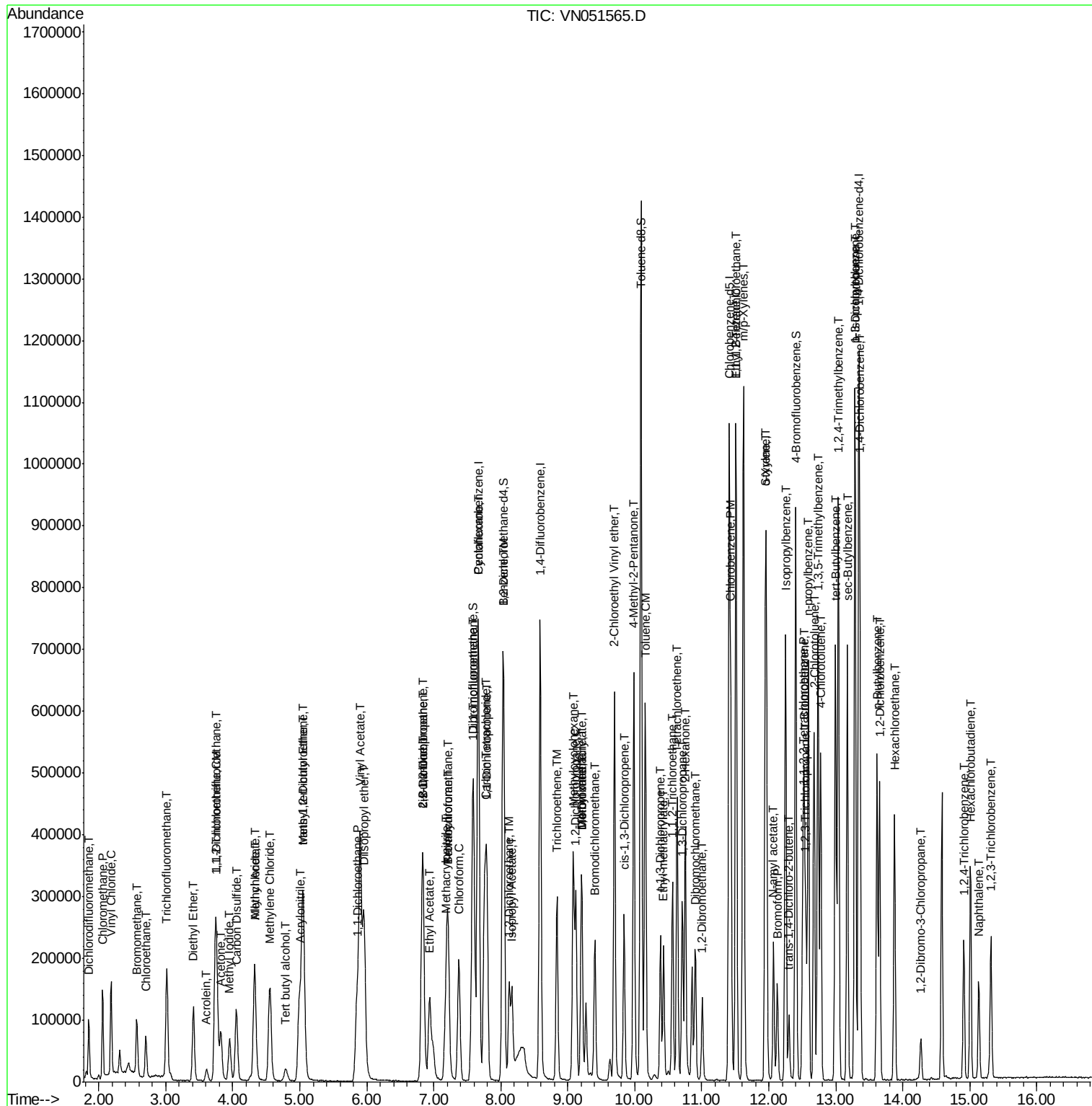
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092718\
Data File : VN051565.D
Acq On : 27 Sep 2018 5:58
Operator : MD\SY
Sample : VN0927WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 32 Sample Multiplier: 1

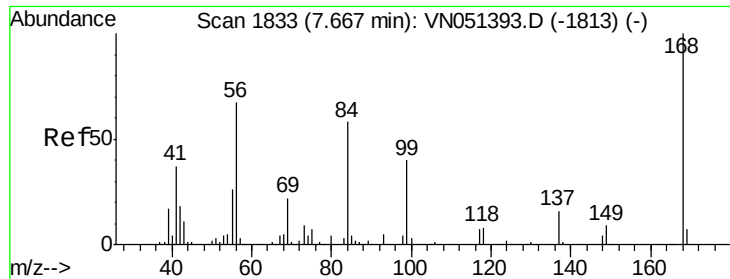
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM

Quant Time: Sep 27 09:19:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

Tot Ion:168 Resp: 453156

Ion Ratio Lower Upper

168 100

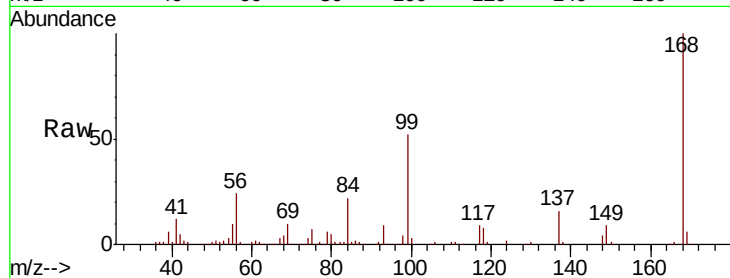
99 51.2 40.2 60.2

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

150000

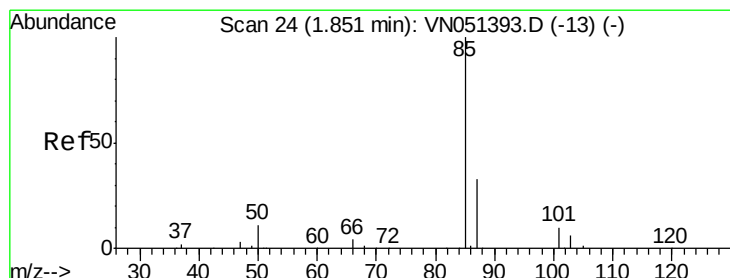
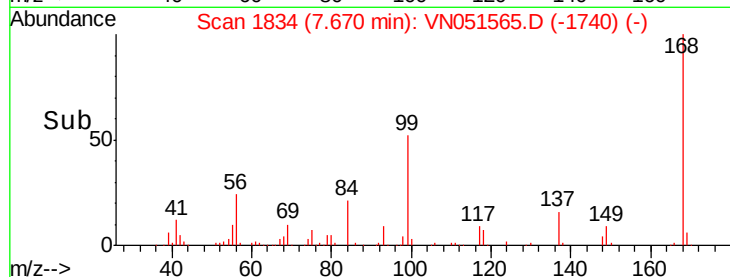
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 17.361 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051565.D

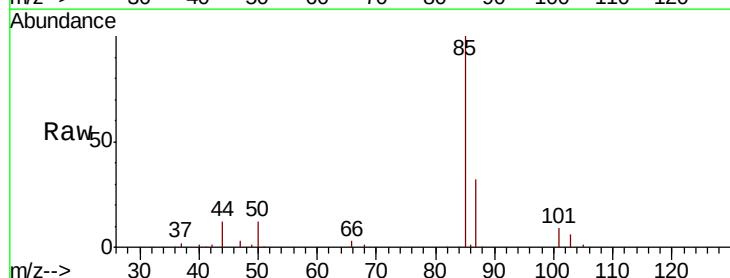
Acq: 27 Sep 2018 5:58

Tgt Ion: 85 Resp: 73398

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

30000

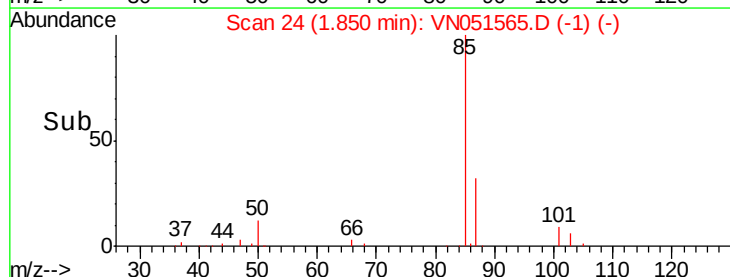
20000

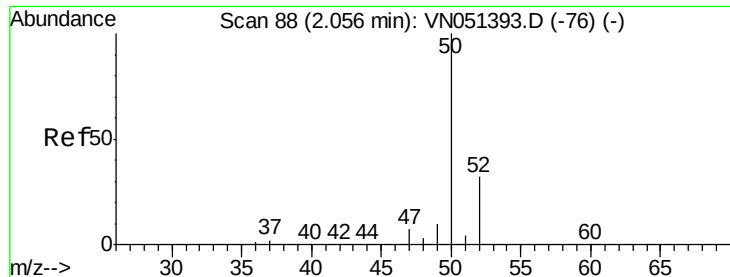
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.838 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

Tot Ion: 50 Resp: 113324

Ion Ratio Lower Upper

50 100

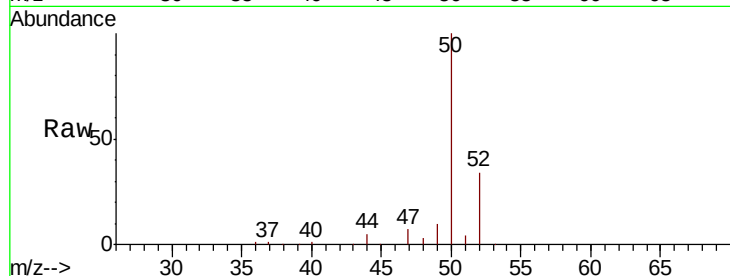
52 33.7 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

100000

80000

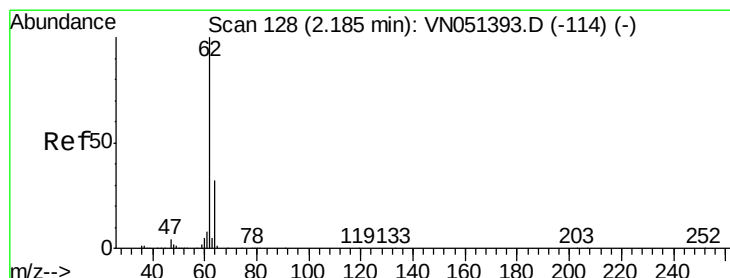
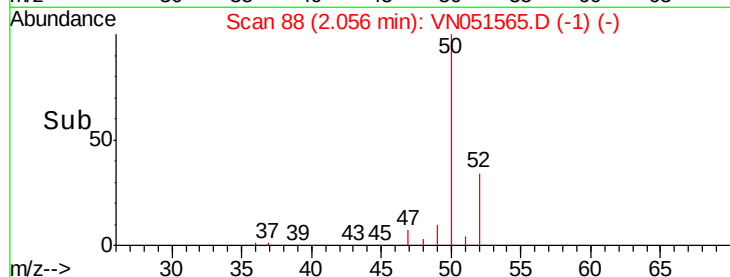
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 18.038 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051565.D

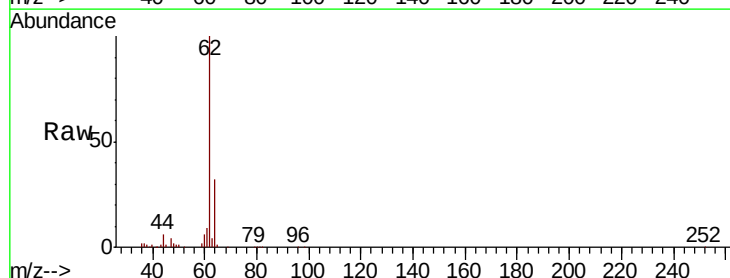
Acq: 27 Sep 2018 5:58

Tgt Ion: 62 Resp: 133985

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

100000

80000

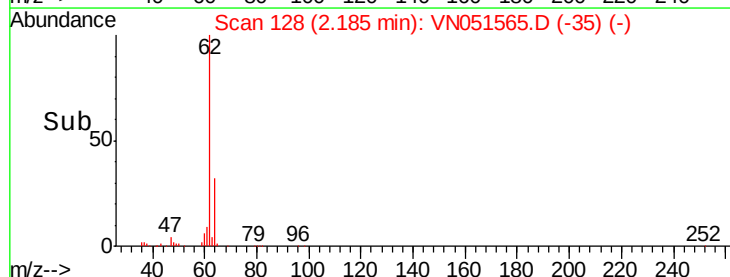
60000

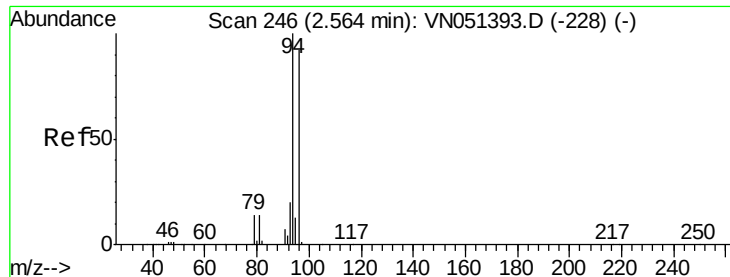
40000

20000

0

Time-->





#5

Bromomethane

Concen: 13.869 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

Tot Ion: 94 Resp: 61545

Ion Ratio Lower Upper

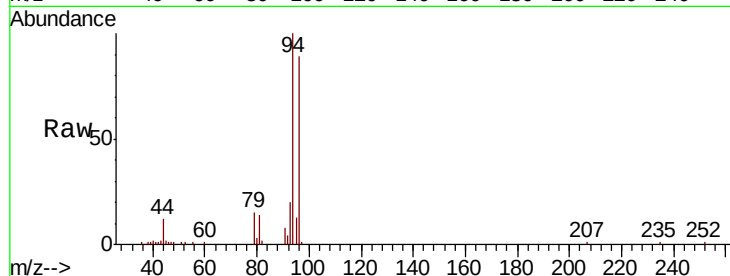
94 100

96 88.8 73.6 110.4

Manual Integrations
APPROVED

MMDadoda

9/27/2018 3:18:45 PM



Abundance Ion 93.90 (93.60 to 94.60): VN051393.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN051393.D (-228) (-)

2.57

30000

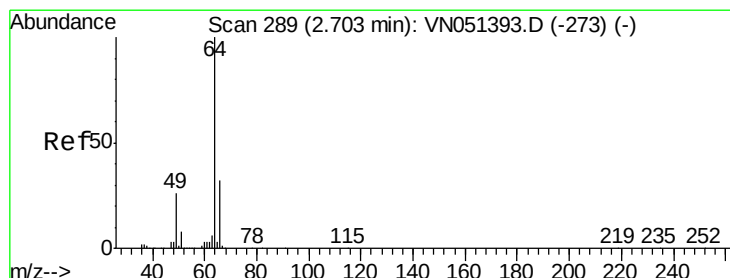
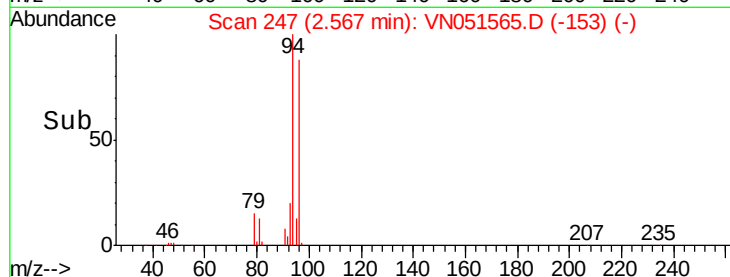
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 13.434 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051565.D

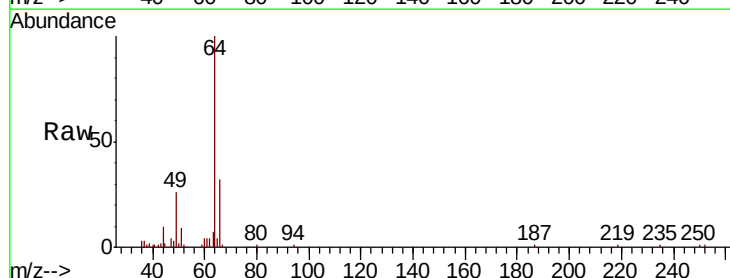
Acq: 27 Sep 2018 5:58

Tgt Ion: 64 Resp: 62181

Ion Ratio Lower Upper

64 100

66 32.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN051393.D (-273) (-)

Ion 65.90 (65.60 to 66.60): VN051393.D (-273) (-)

2.70

30000

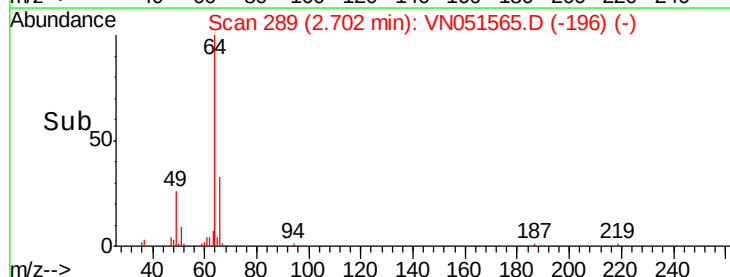
20000

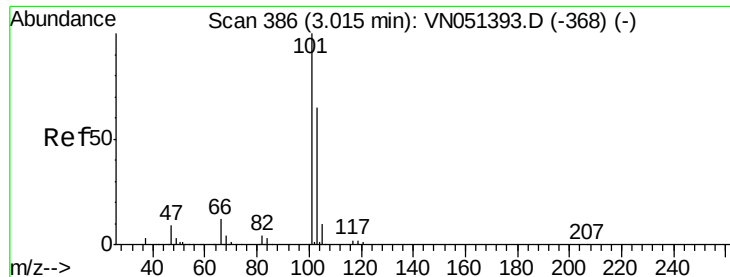
10000

0

Time-->

2.65 2.70 2.75





#7

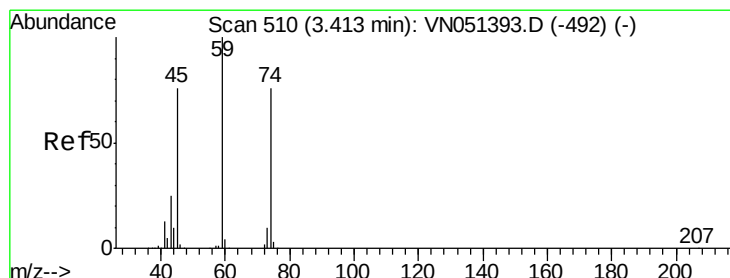
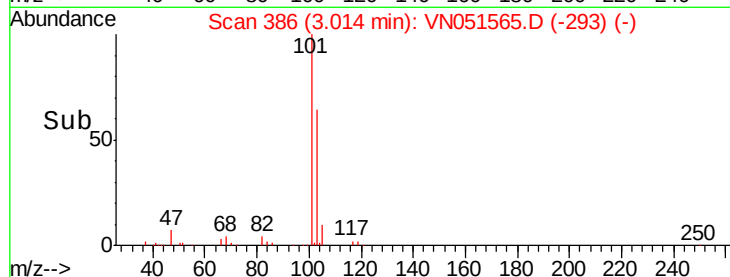
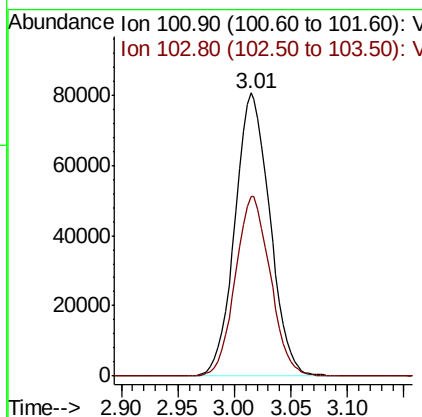
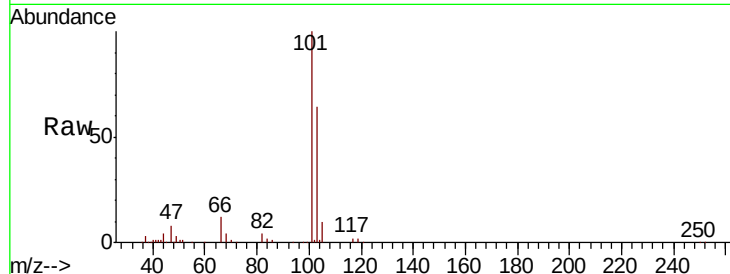
Trichlorofluoromethane
 Concen: 17.821 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	173388		
103	63.5	51.8	77.8	

Manual Integrations
 APPROVED

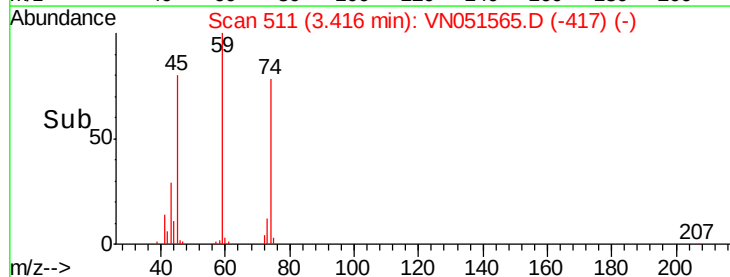
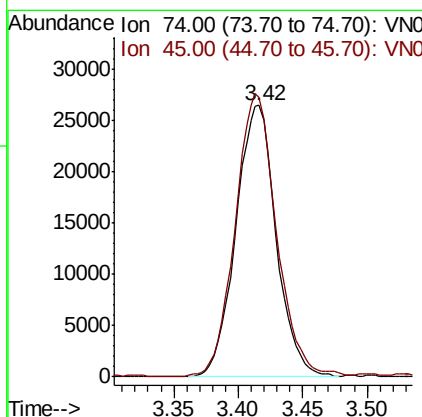
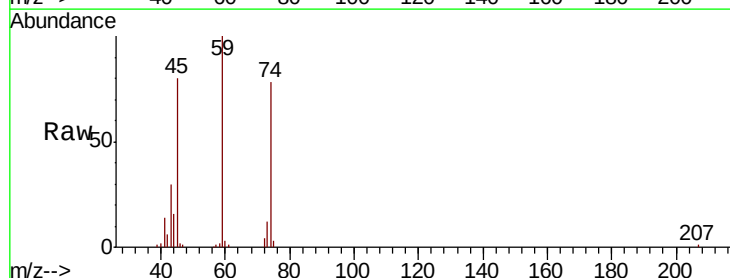
MMDadoda
 9/27/2018 3:18:45 PM

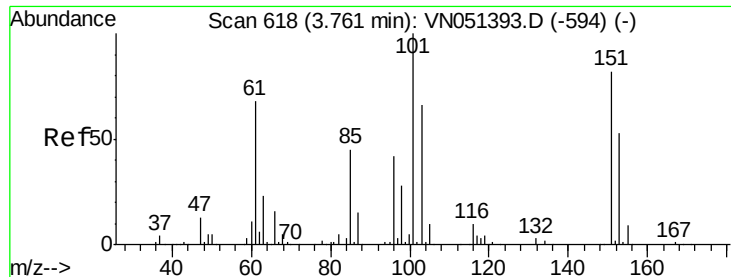


#8

Diethyl Ether
 Concen: 17.047 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	57575		
45	107.1	50.2	150.7	





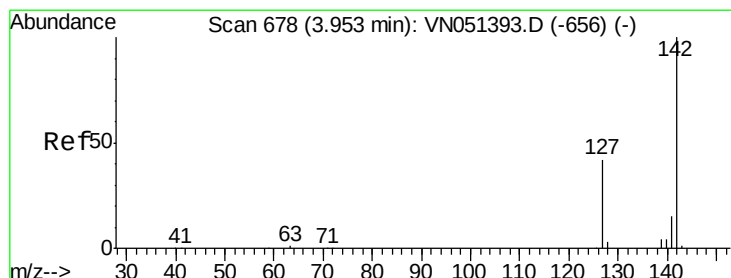
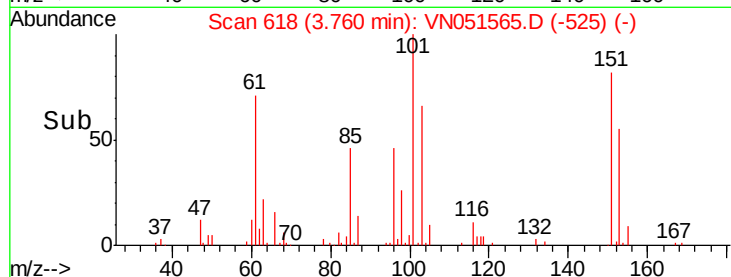
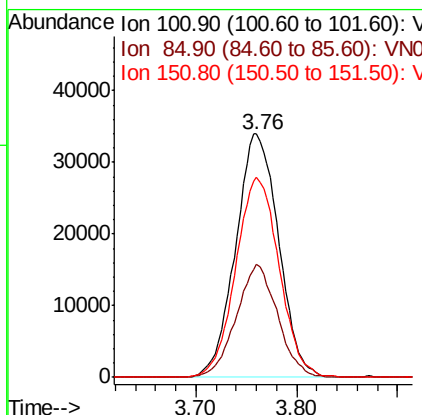
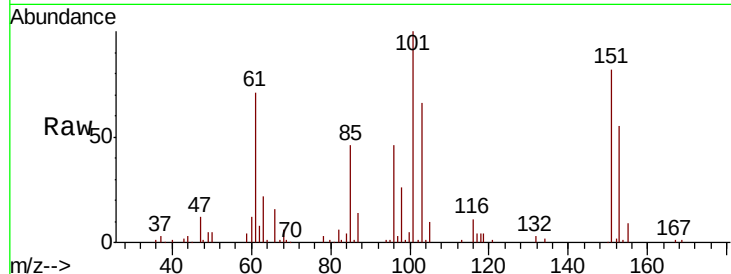
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.318 ug/l
RT: 3.76 min Scan# 618
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	100584		
85	44.3		33.9	50.9
151	82.9		65.2	97.8

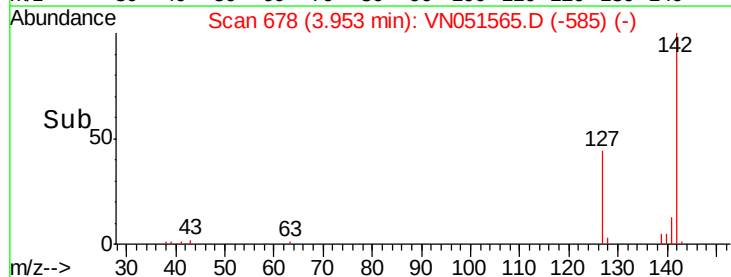
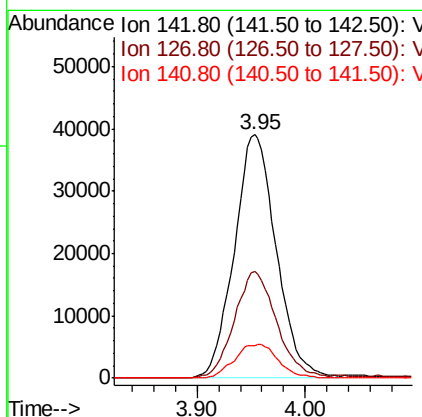
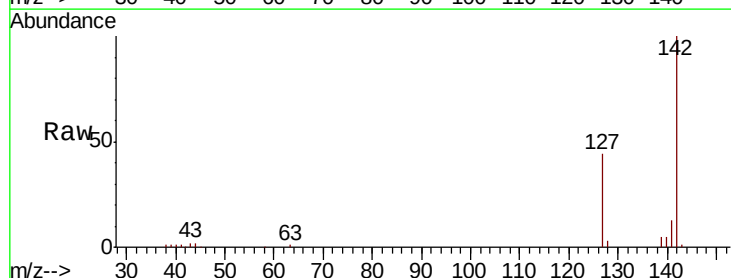
Manual Integrations
APPROVED

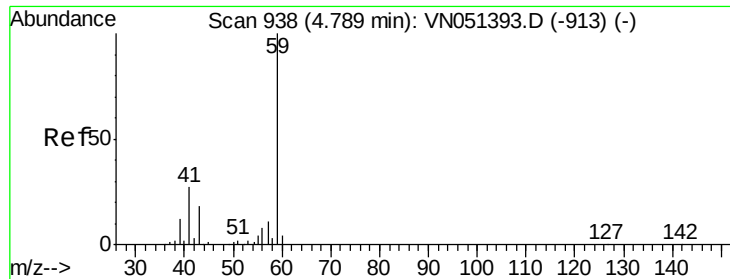
MMDadoda
9/27/2018 3:18:45 PM



#10
Methyl Iodide
Concen: 14.668 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	105563		
127	44.1		33.2	49.8
141	14.4		11.5	17.3





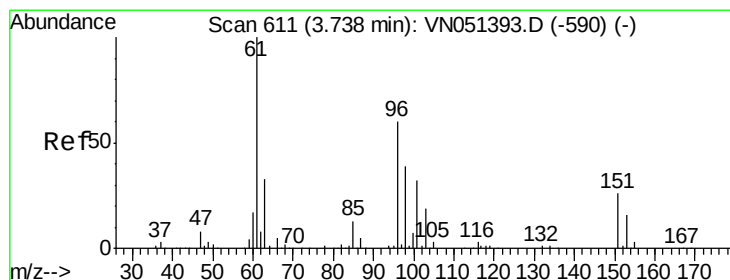
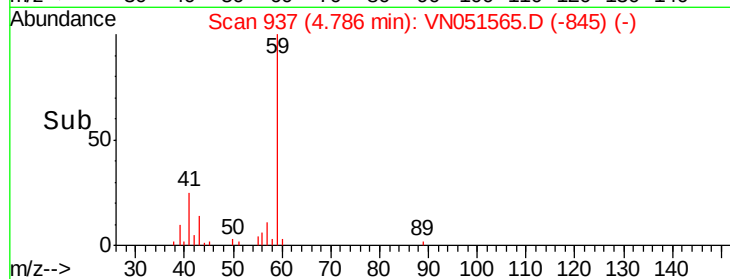
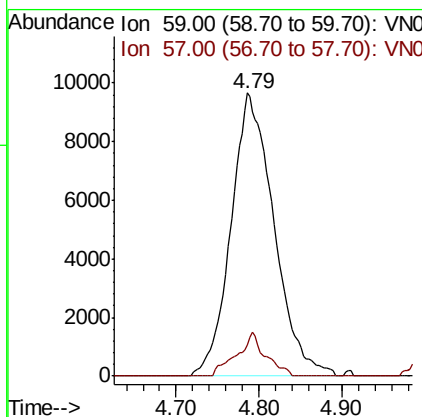
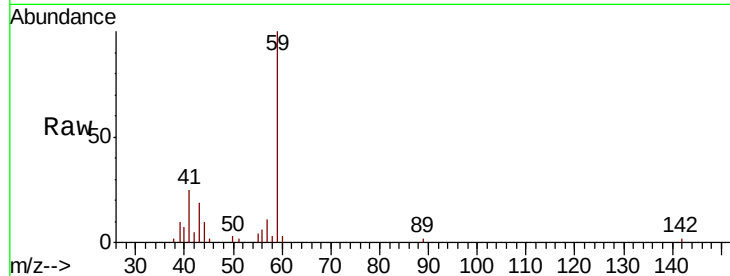
#11
Tert butyl alcohol
Concen: 108.386 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion: 59 Resp: 34724
Ion Ratio Lower Upper
59 100
57 10.4 6.2 9.2#

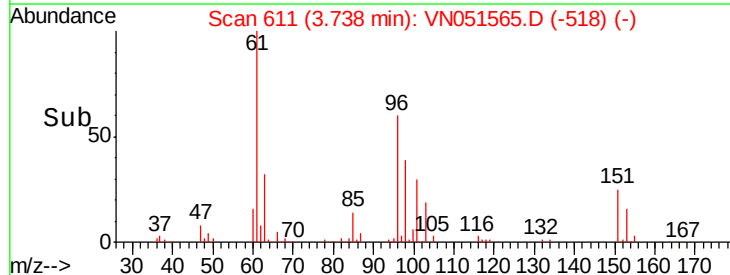
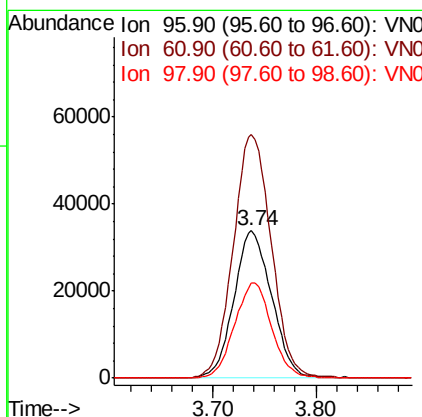
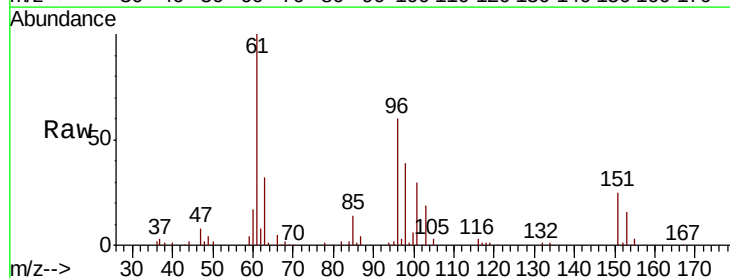
Manual Integrations
APPROVED

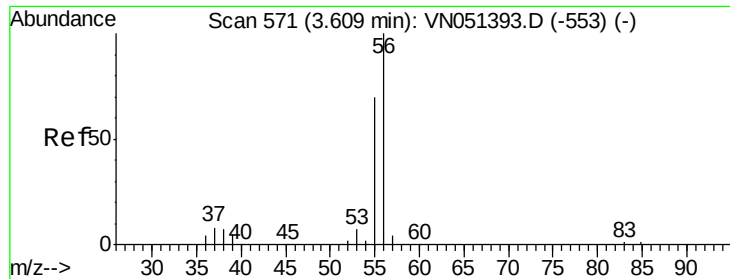
MMDadoda
9/27/2018 3:18:45 PM



#12
1,1-Dichloroethene
Concen: 17.067 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion: 96 Resp: 86050
Ion Ratio Lower Upper
96 100
61 165.5 133.6 200.4
98 64.7 52.2 78.2





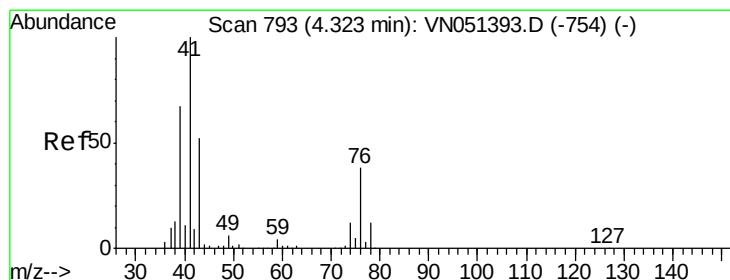
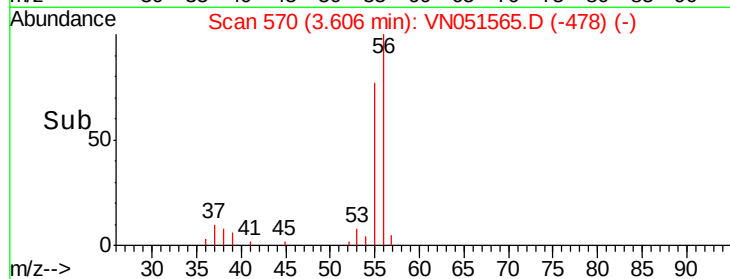
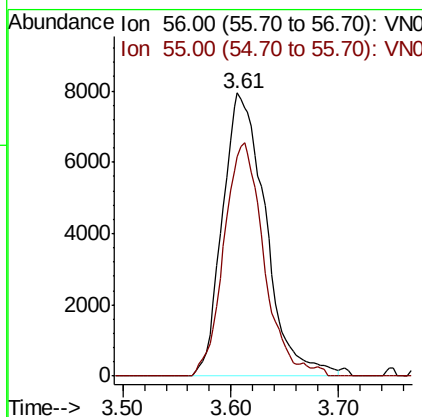
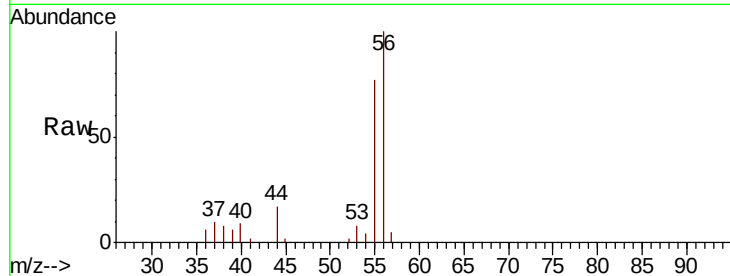
#13
Acrolein
Concen: 69.317 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	76.9	57.8	86.8	

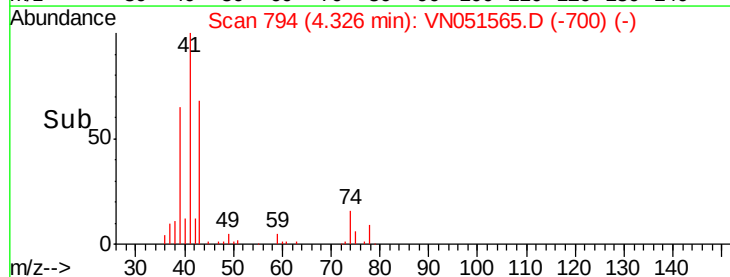
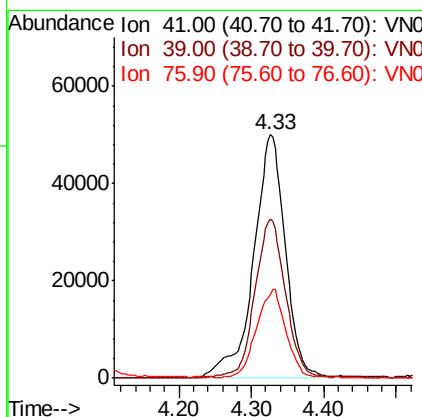
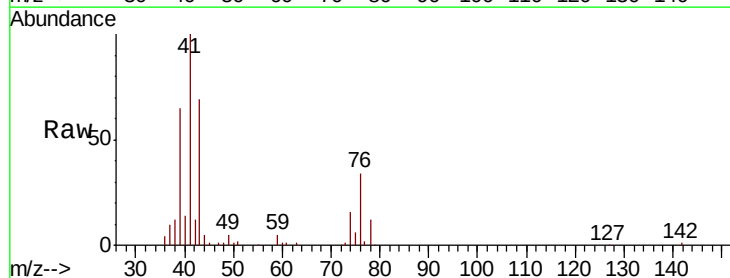
Manual Integrations
APPROVED

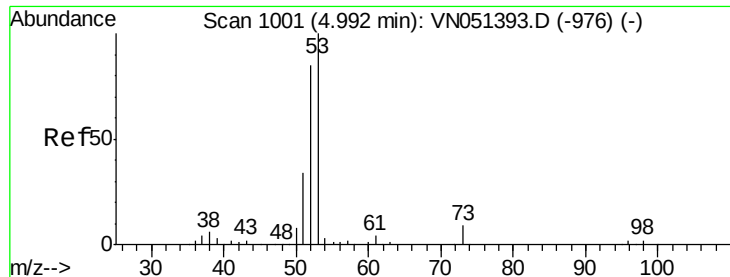
MMDadoda
9/27/2018 3:18:45 PM



#14
Allyl chloride
Concen: 18.060 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.7	51.4	77.2	
76	34.0	28.1	42.1	





#15

Acrylonitrile

Concen: 103.333 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

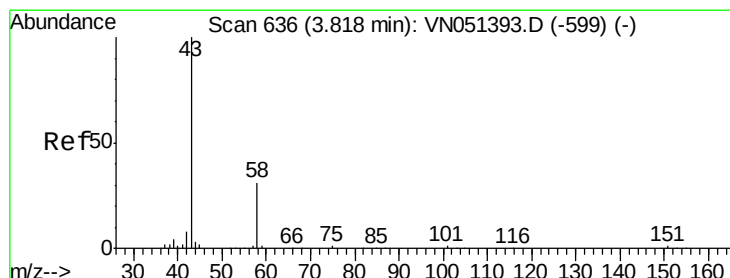
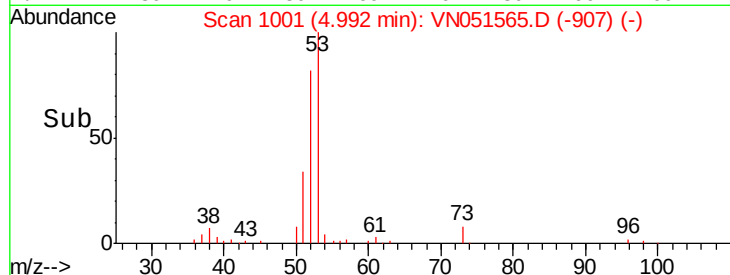
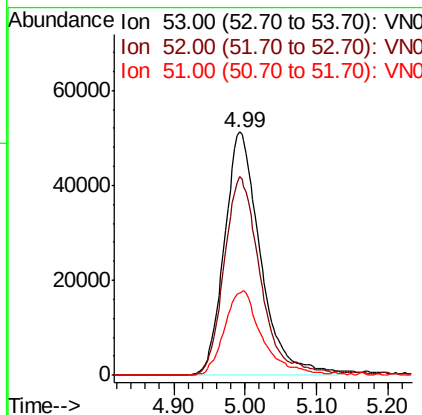
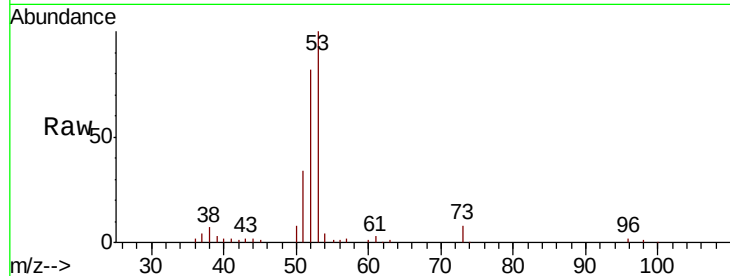
ClientSampleId :

VN0927WBS02

Tot Ion:	53	Resp:	180087
Ion Ratio		Lower	Upper
53	100		
52	81.3	66.2	99.2
51	36.3	28.6	42.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#16

Acetone

Concen: 85.129 ug/l

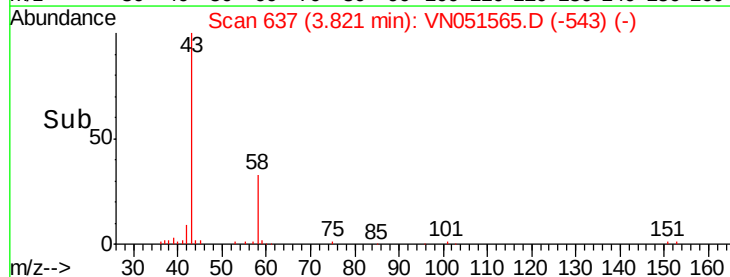
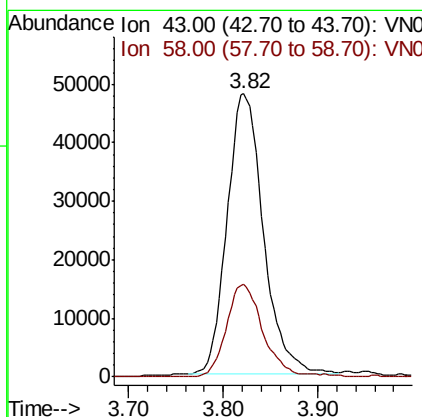
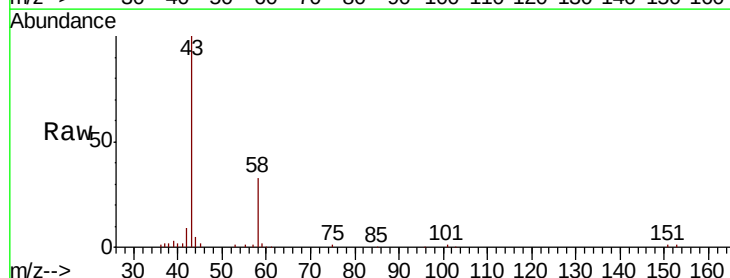
RT: 3.82 min Scan# 637

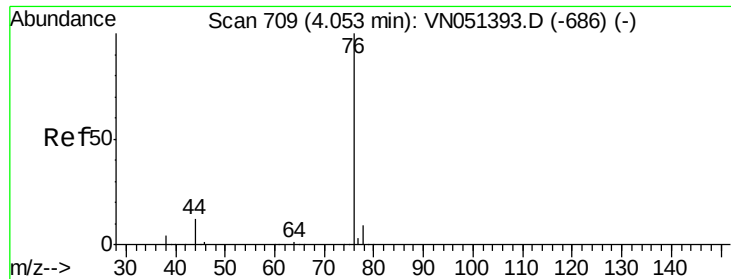
Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Tgt Ion:	43	Resp:	127404
Ion Ratio		Lower	Upper
43	100		
58	32.9	25.0	37.4





#17

Carbon Disulfide

Concen: 15.762 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

Tot Ion: 76 Resp: 233482

Ion Ratio Lower Upper

76 100

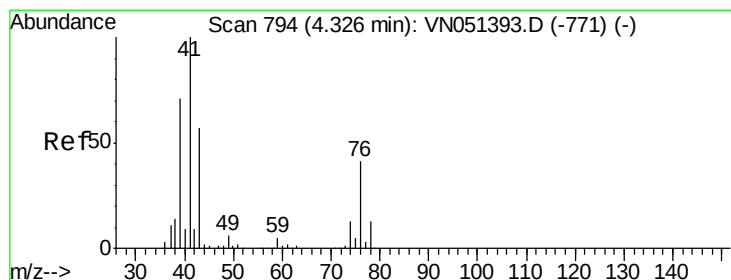
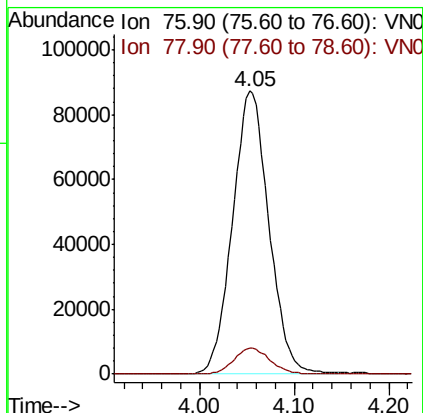
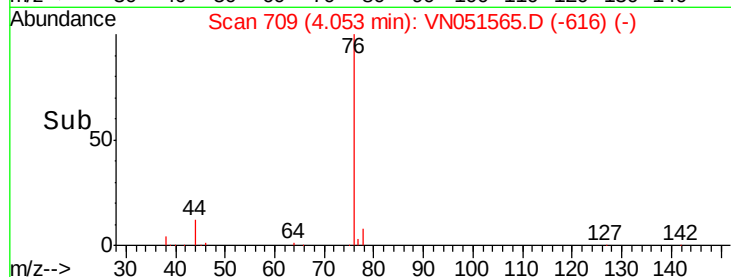
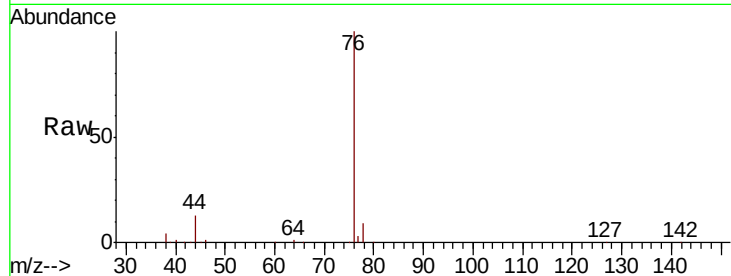
78 9.3 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



#18

Methyl Acetate

Concen: 24.085 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051565.D

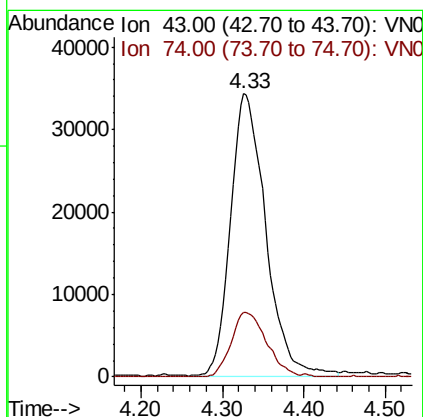
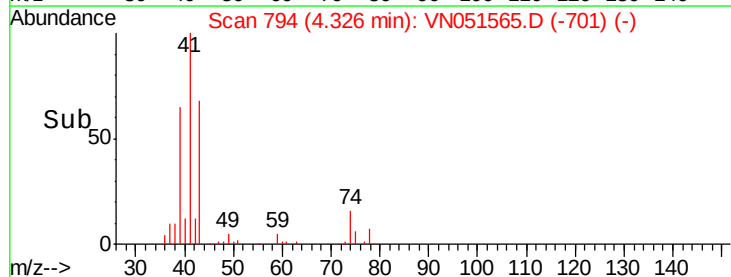
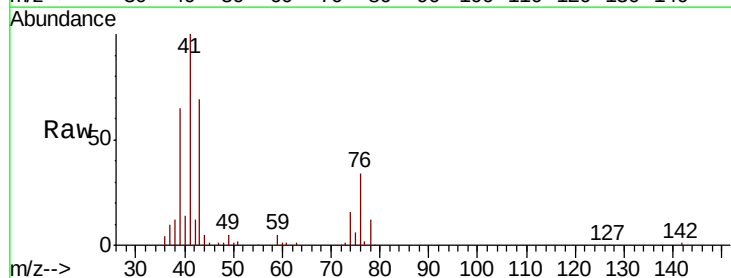
Acq: 27 Sep 2018 5:58

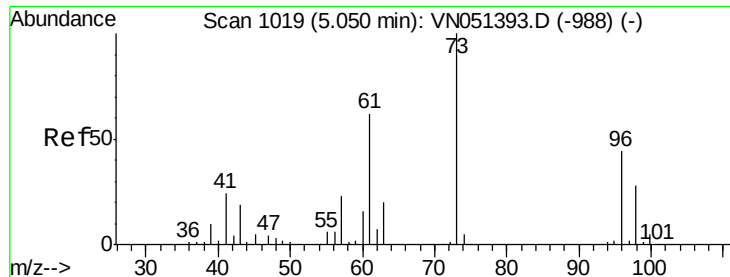
Tgt Ion: 43 Resp: 104127

Ion Ratio Lower Upper

43 100

74 22.5 18.8 28.2





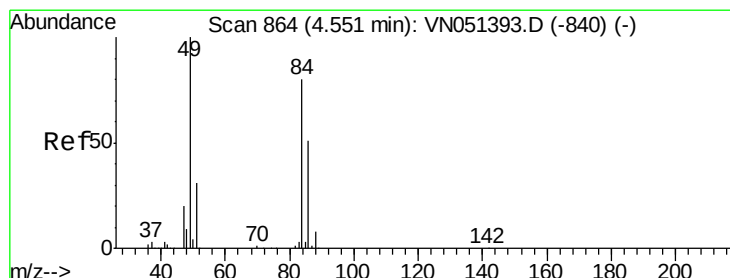
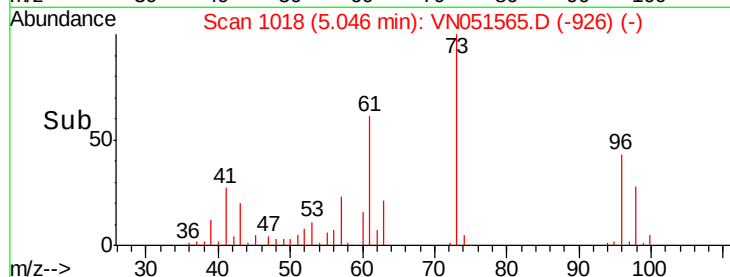
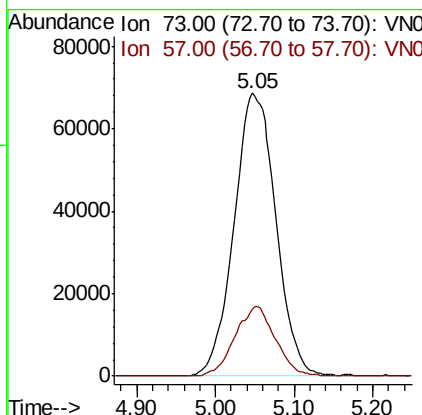
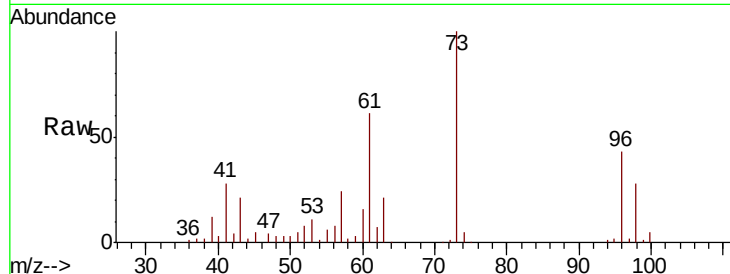
#19
Methyl tert-butyl Ether
Concen: 19.523 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion: 73 Resp: 253830
Ion Ratio Lower Upper
73 100
57 23.6 18.3 27.5

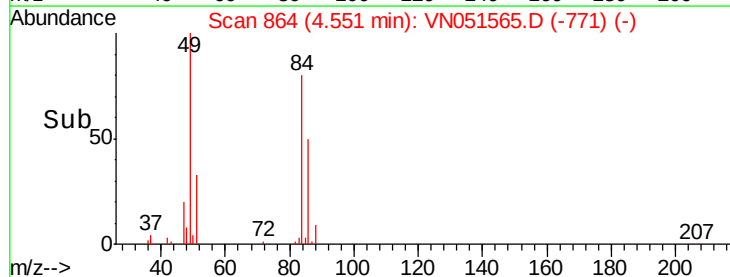
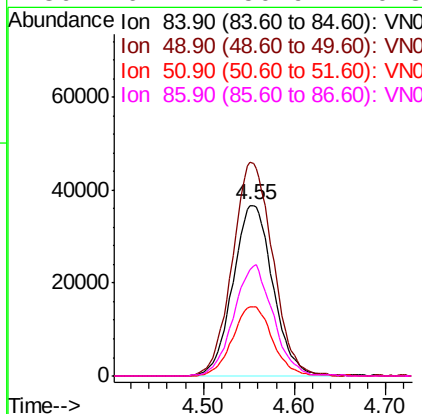
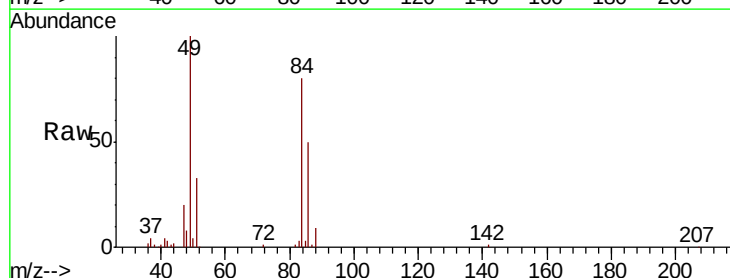
Manual Integrations
APPROVED

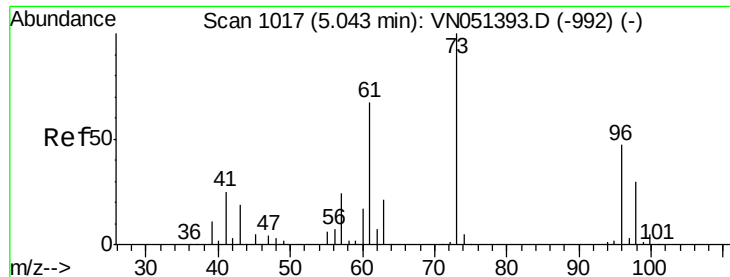
MMDadoda
9/27/2018 3:18:45 PM



#20
Methylene Chloride
Concen: 19.918 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion: 84 Resp: 111886
Ion Ratio Lower Upper
84 100
49 125.2 99.9 149.9
51 40.7 31.4 47.2
86 62.2 50.9 76.3





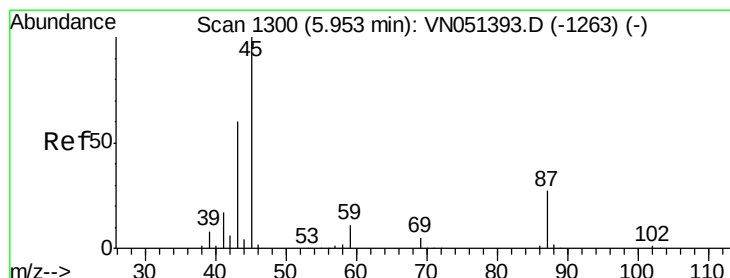
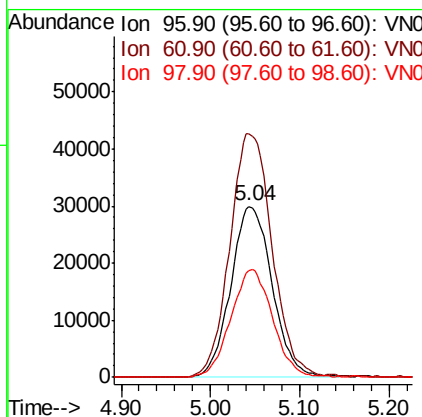
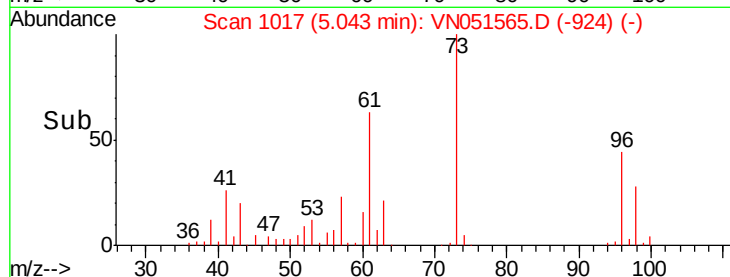
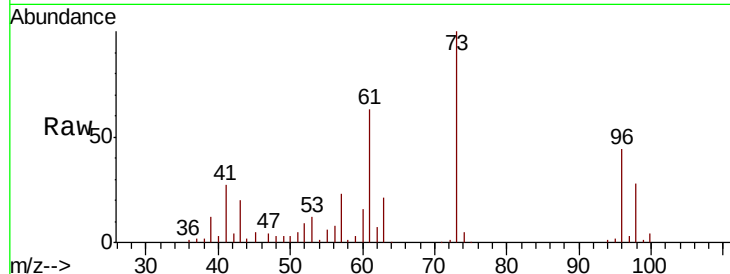
#21
trans-1,2-Dichloroethene
Concen: 18.675 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	113.4	170.2
98	62.7	51.1	76.7

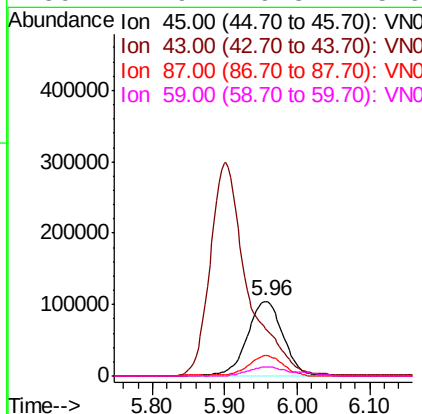
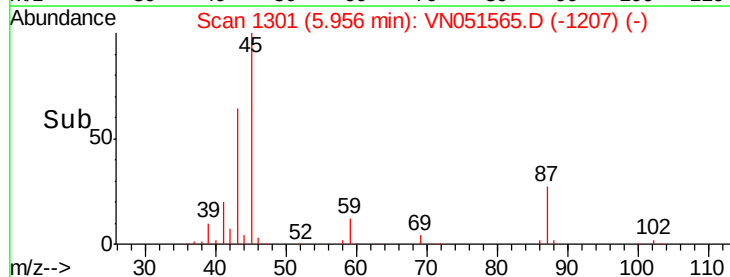
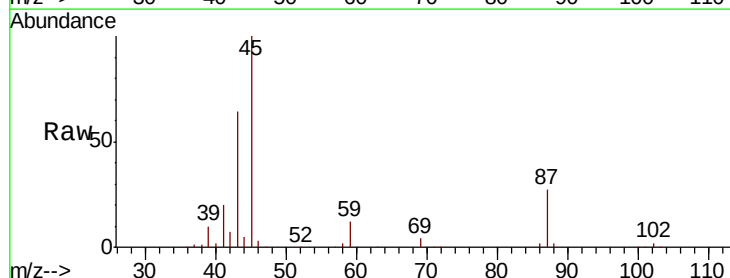
Manual Integrations
APPROVED

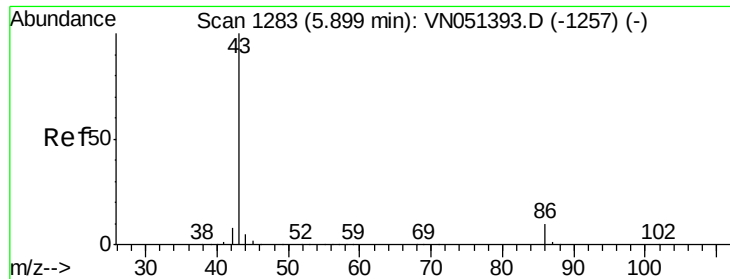
MMDadoda
9/27/2018 3:18:45 PM



#22
Diisopropyl ether
Concen: 21.986 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.8	47.7	71.5
87	26.9	22.0	33.0
59	11.9	9.3	13.9





#23

Vinyl Acetate

Concen: 99.682 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

Tot Ion: 43 Resp: 1070086

Ion Ratio Lower Upper

43 100

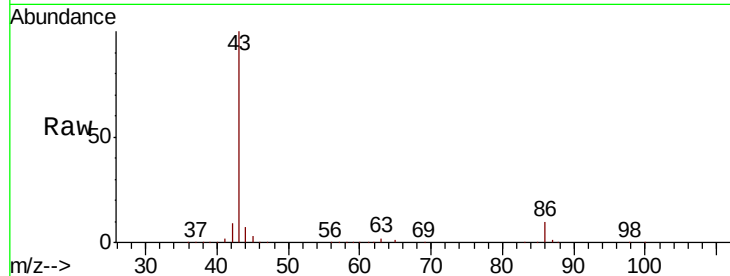
86 9.8 8.2 12.2

Manual Integrations

APPROVED

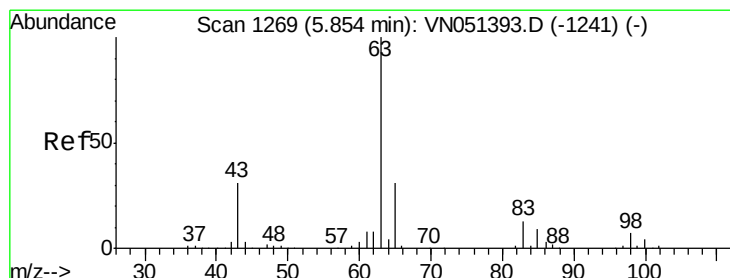
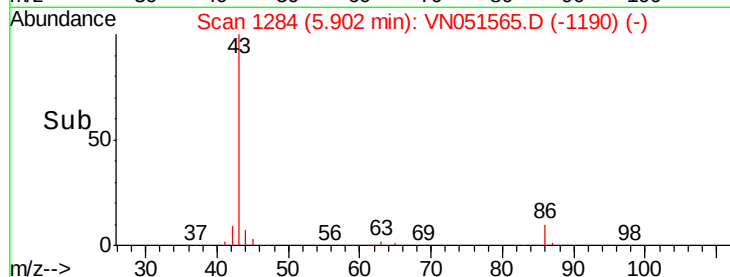
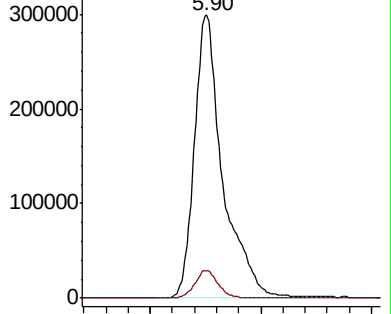
MMDadoda

9/27/2018 3:18:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.394 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

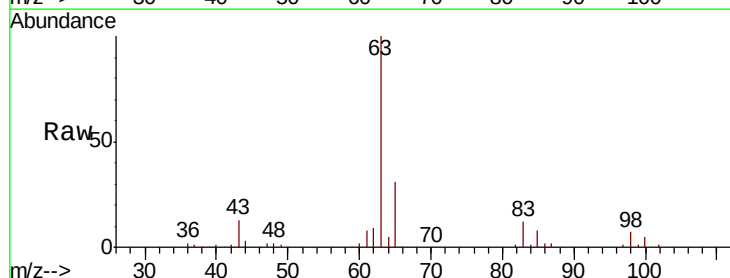
Tgt Ion: 63 Resp: 208720

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

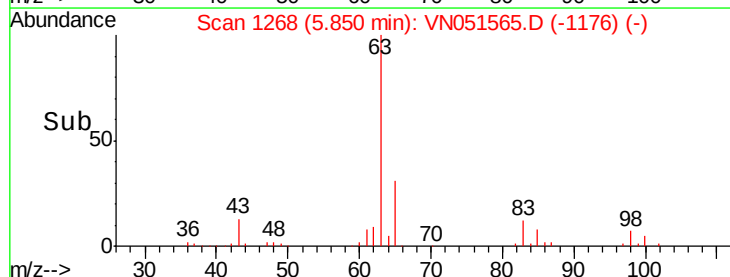
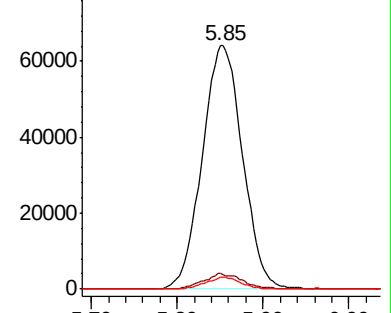
100 4.7 2.2 6.6

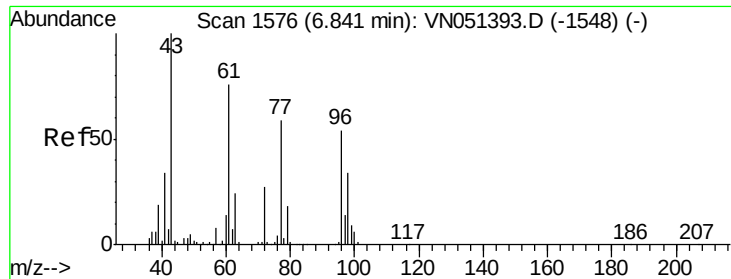


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 100.688 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

Tot Ion: 43 Resp: 195632

Ion Ratio Lower Upper

43 100

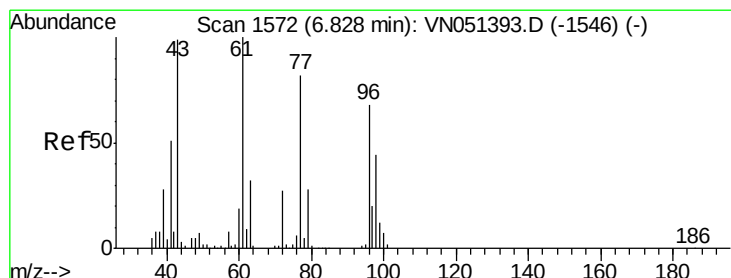
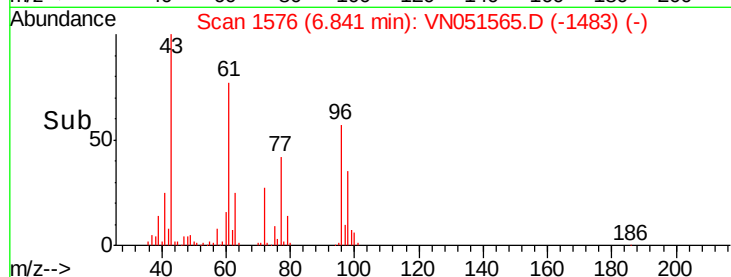
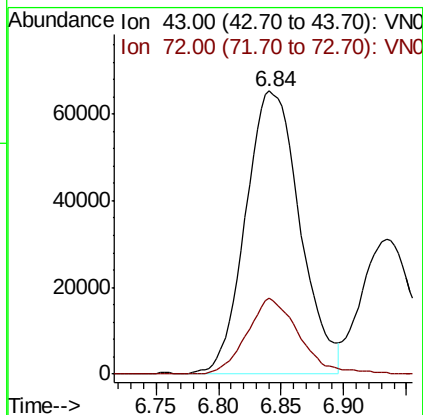
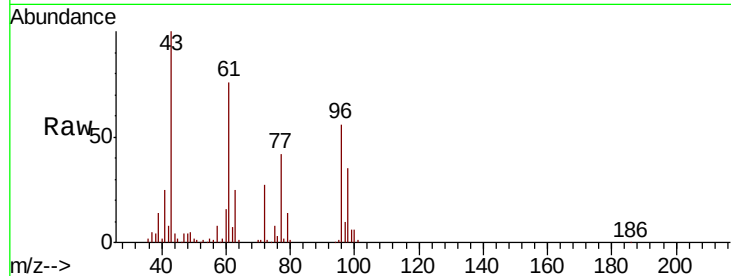
72 27.0 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



#26

2,2-Dichloropropane

Concen: 13.499 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051565.D

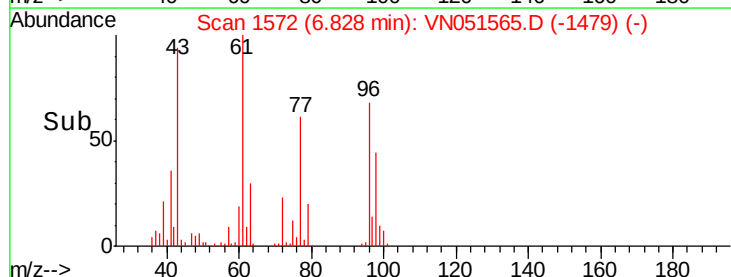
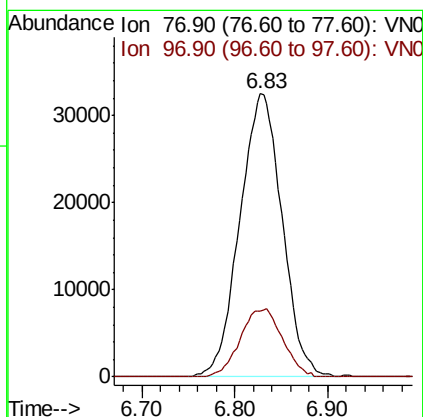
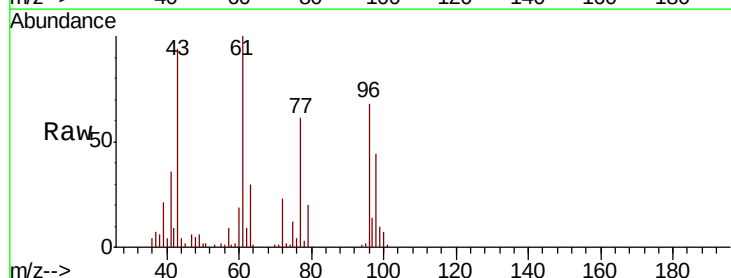
Acq: 27 Sep 2018 5:58

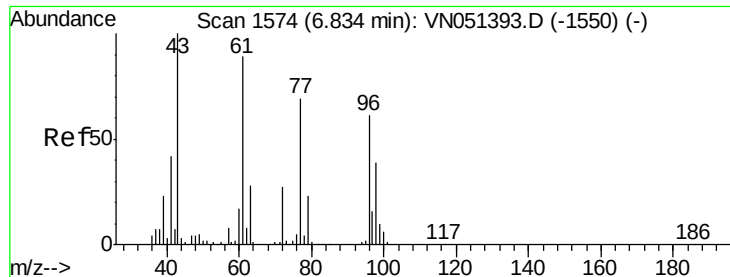
Tgt Ion: 77 Resp: 102806

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.816 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

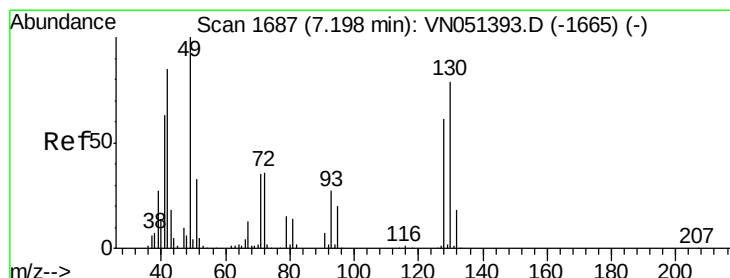
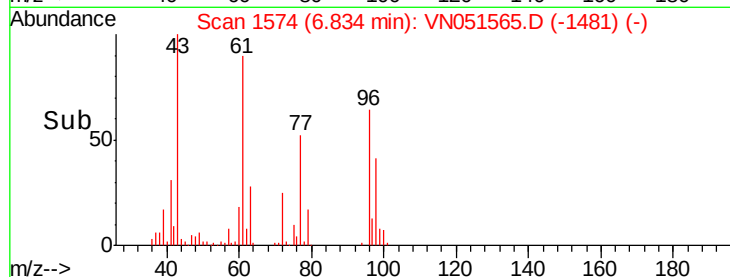
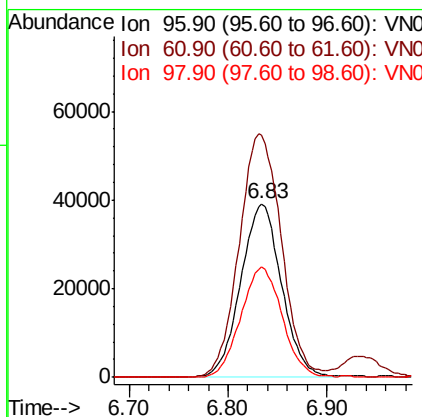
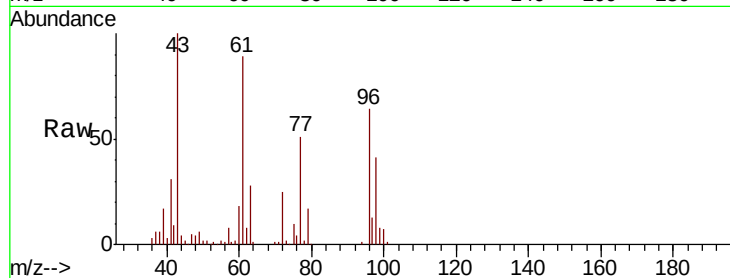
ClientSampleId :

VN0927WBS02

Tot Ion:	96	Resp:	112148
Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	291.4
98	64.3	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#28

Bromochloromethane

Concen: 22.034 ug/l

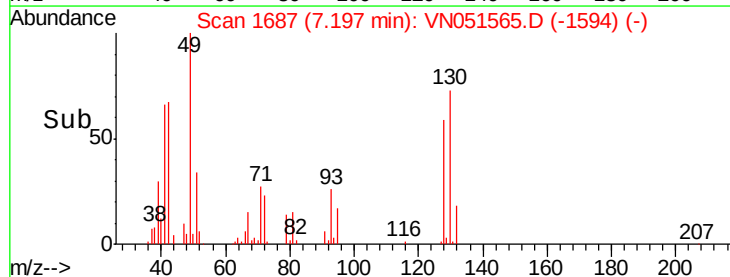
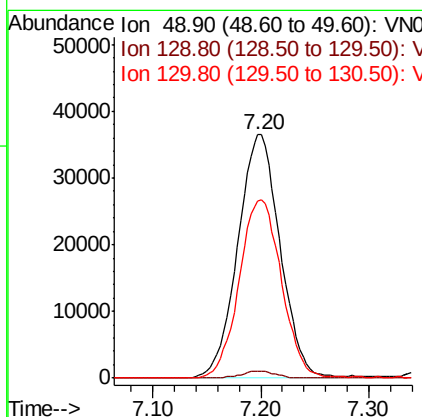
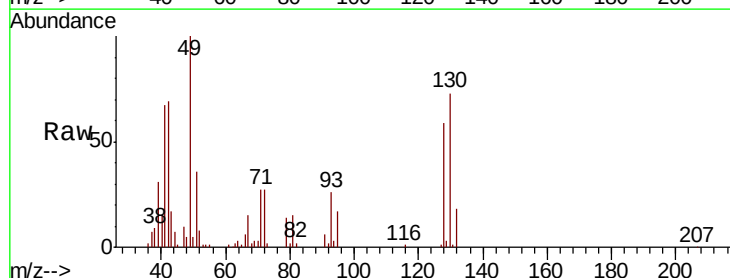
RT: 7.20 min Scan# 1687

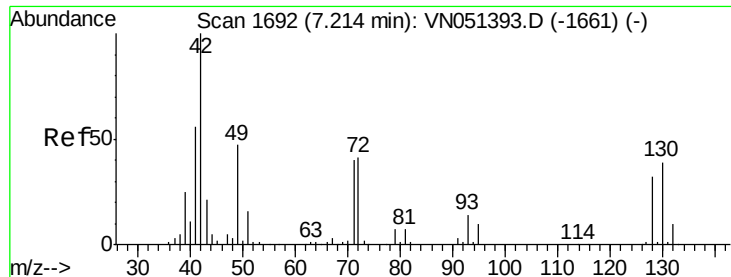
Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Tgt Ion:	49	Resp:	99270
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	73.0	63.0	94.4





#29

Tetrahydrofuran

Concen: 109.538 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

Tot Ion: 42 Resp: 134871

Ion Ratio Lower Upper

42 100

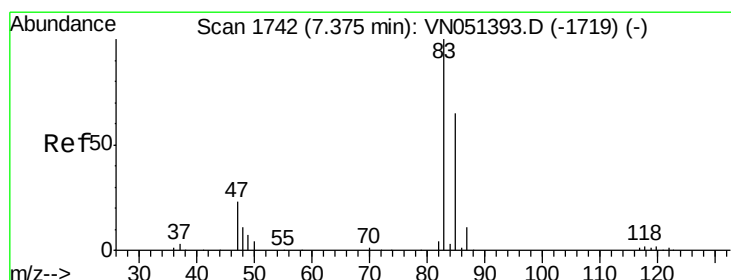
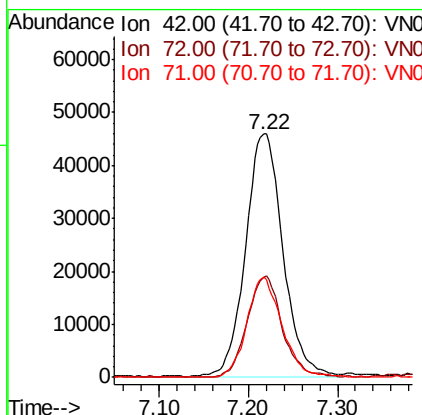
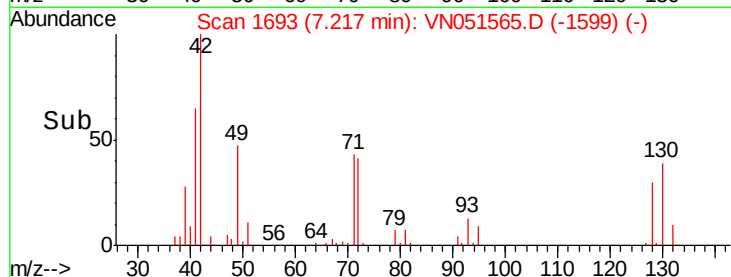
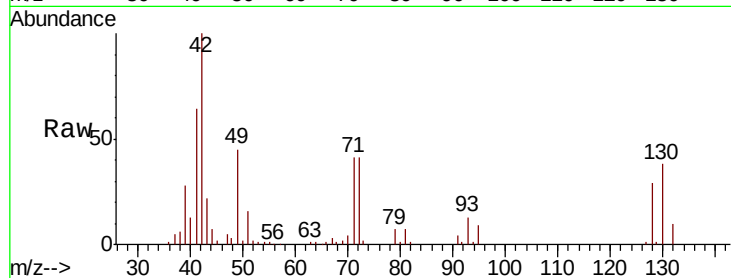
72 38.8 34.3 51.5

71 38.5 32.2 48.4

Manual Integrations
APPROVED

MMDadoda

9/27/2018 3:18:45 PM



#30

Chloroform

Concen: 21.677 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051565.D

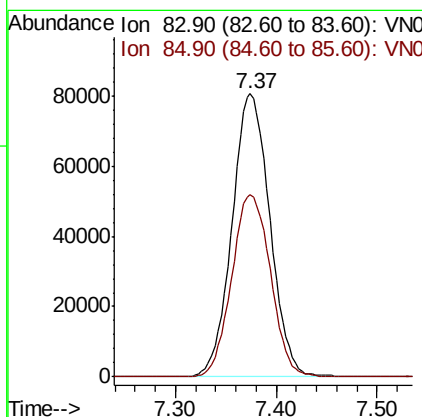
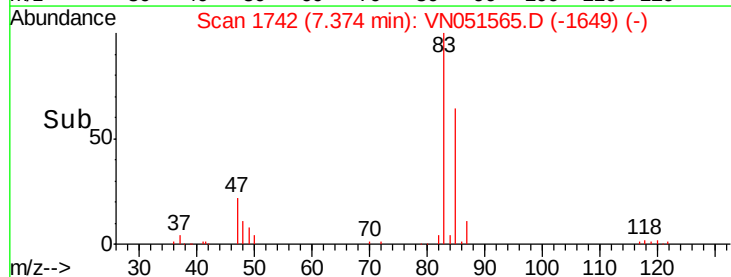
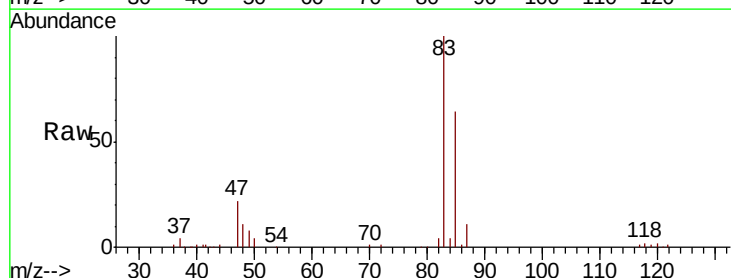
Acq: 27 Sep 2018 5:58

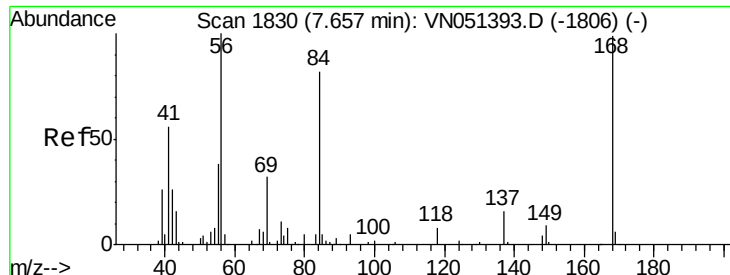
Tgt Ion: 83 Resp: 209557

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.6





#31

Cyclohexane

Concen: 17.885 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

Tot Ion: 56 Resp: 159868

Ion Ratio Lower Upper

56 100

69 35.7 25.8 38.6

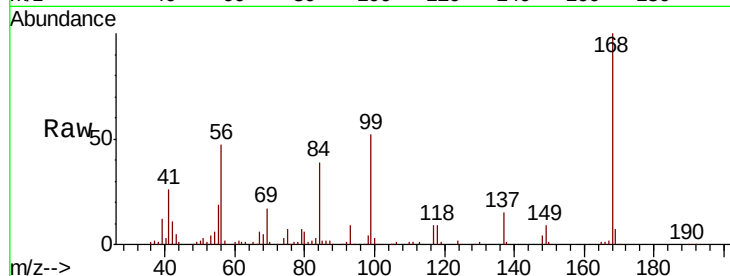
84 80.3 66.0 99.0

Manual Integrations

APPROVED

MMDadoda

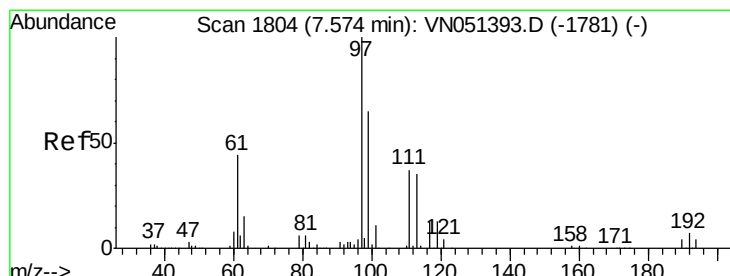
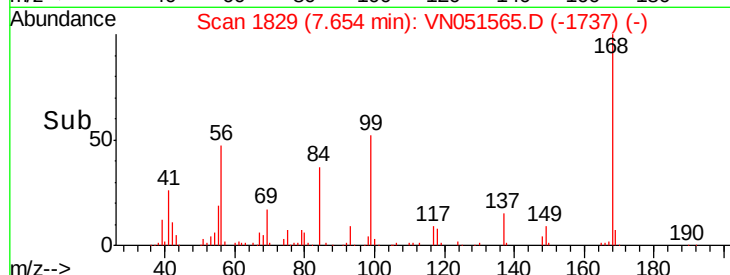
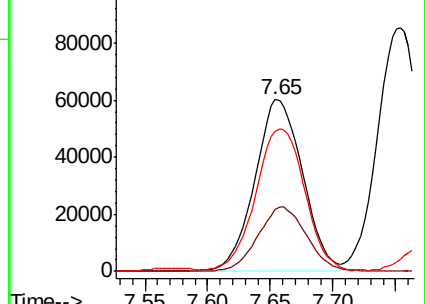
9/27/2018 3:18:45 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.172 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

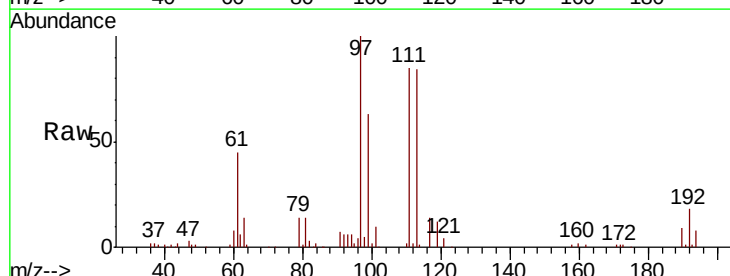
Tgt Ion: 97 Resp: 174975

Ion Ratio Lower Upper

97 100

99 62.8 51.4 77.0

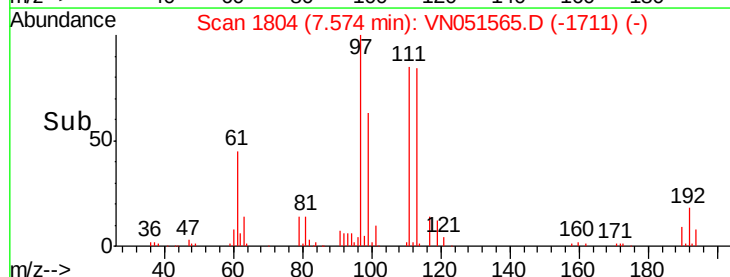
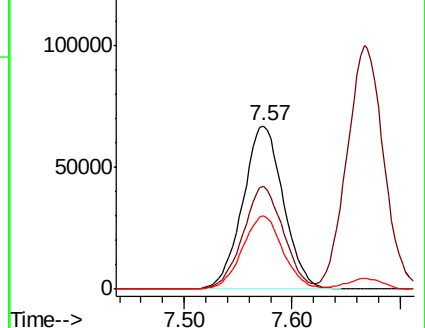
61 44.7 35.8 53.8

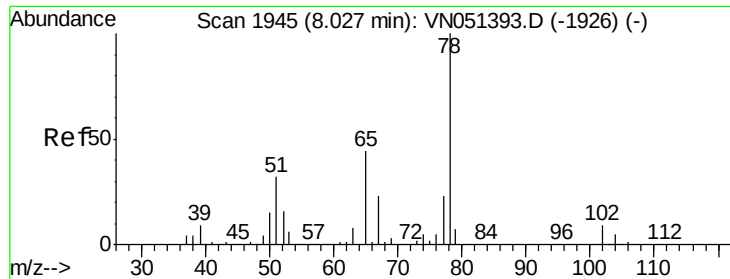


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





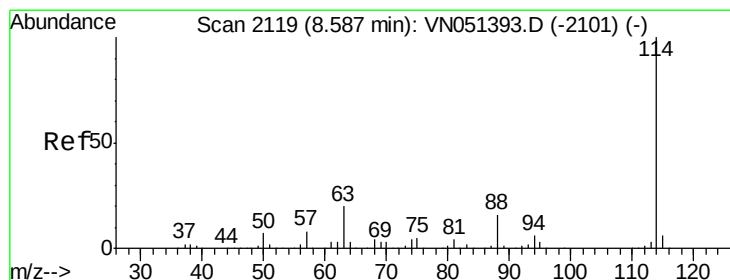
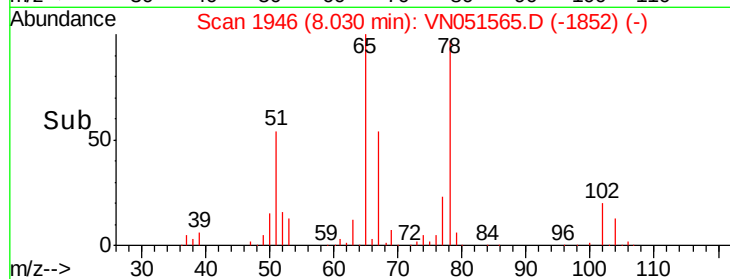
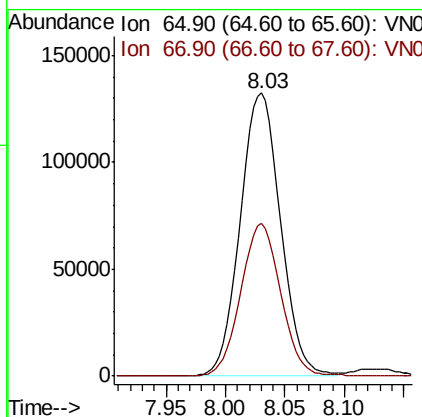
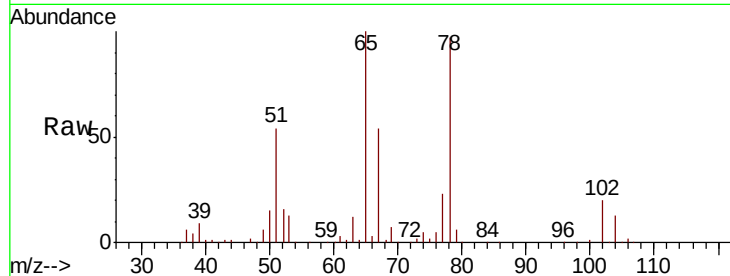
#33
 1,2-Dichloroethane-d4
 Concen: 54.916 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.8

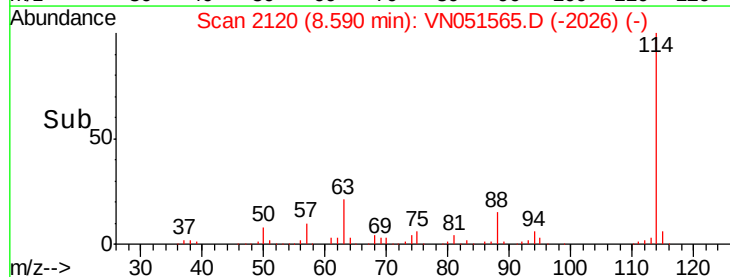
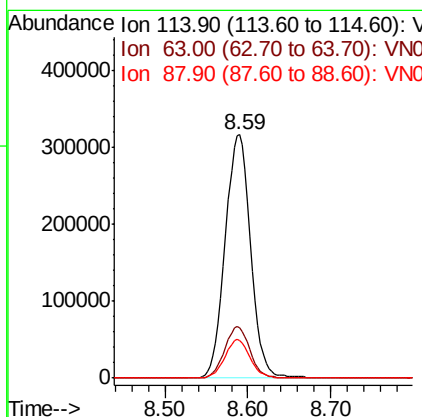
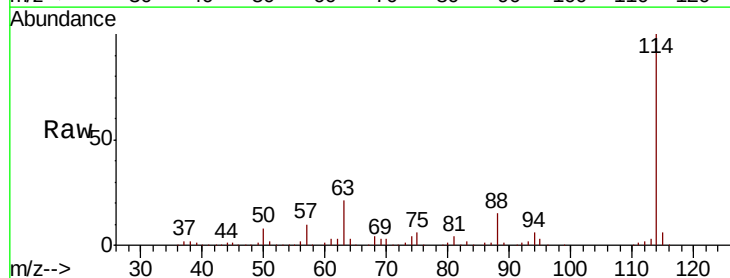
Manual Integrations
 APPROVED

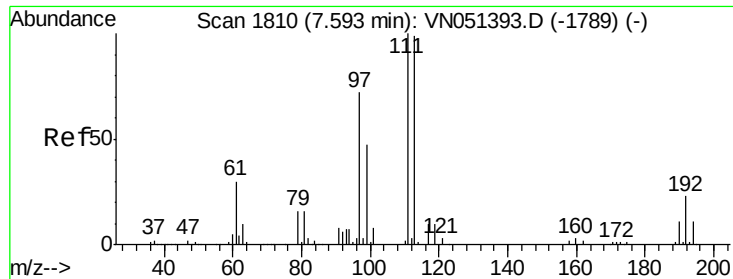
MMDadoda
 9/27/2018 3:18:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.2
88	15.4	0.0	31.4





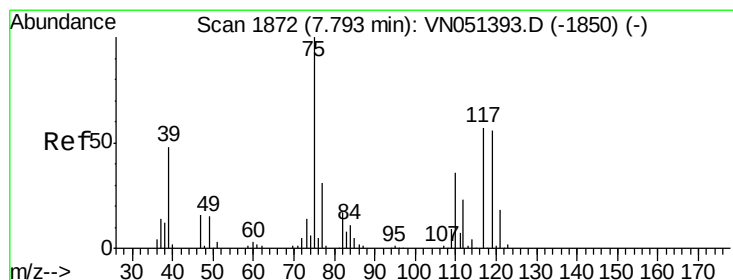
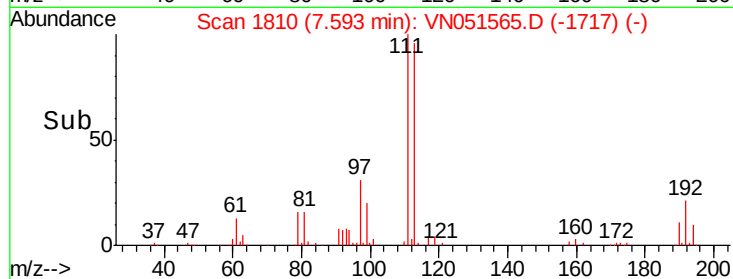
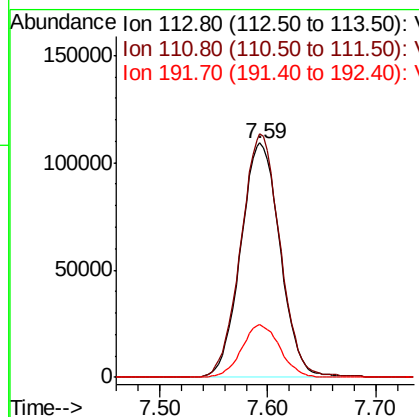
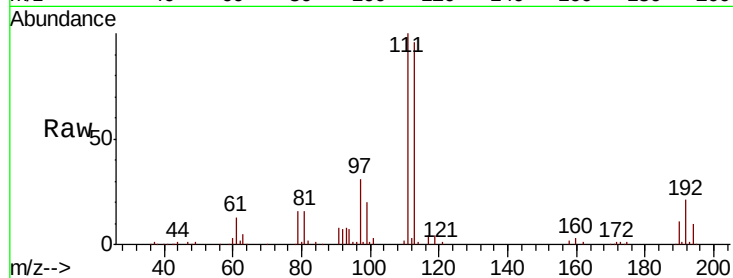
#35
 Dibromofluoromethane
 Concen: 51.119 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	277059		
111	103.6	82.6	123.8	
192	22.0	18.0	27.0	

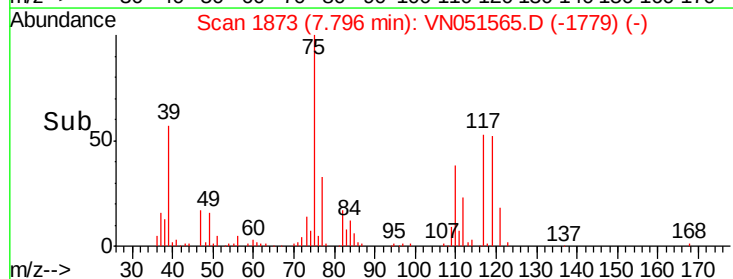
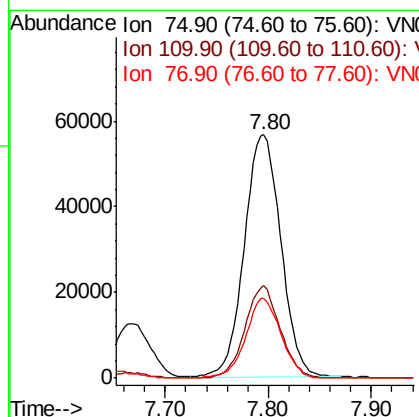
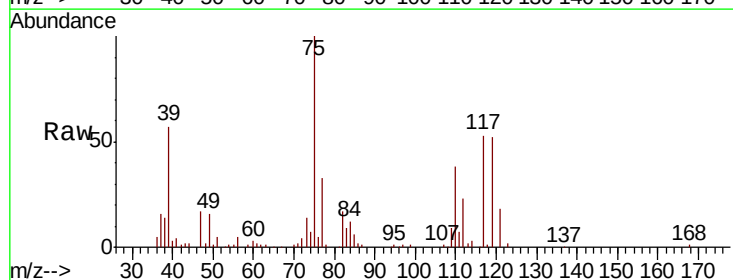
Manual Integrations
 APPROVED

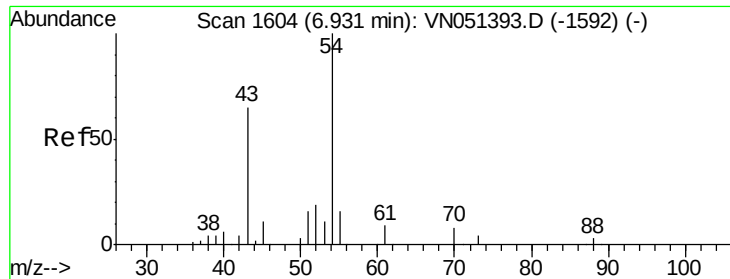
MMDadoda
 9/27/2018 3:18:45 PM



#36
 1,1-Dichloropropene
 Concen: 17.821 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139876		
110	36.4	18.1	54.3	
77	31.8	25.6	38.4	





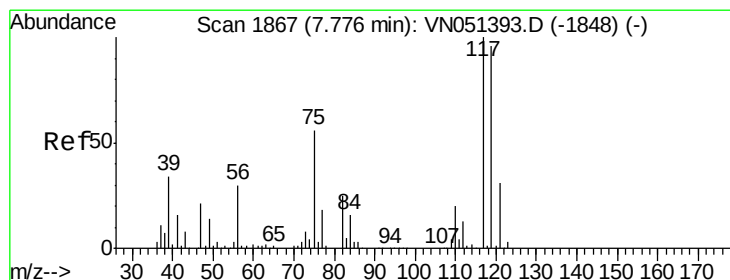
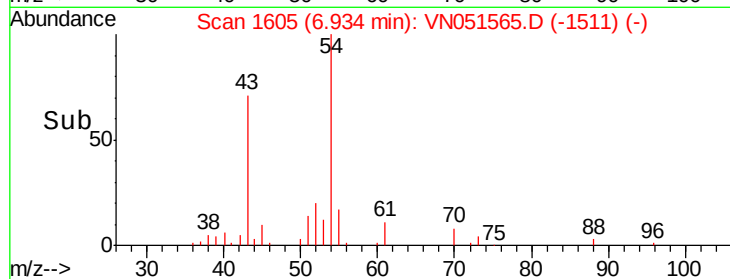
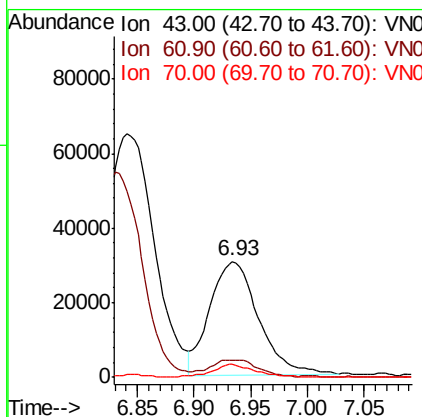
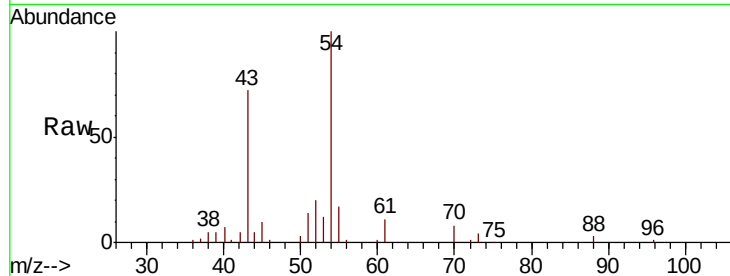
#37
Ethyl Acetate
Concen: 20.147 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.5	17.3
70	10.4	7.9	11.9

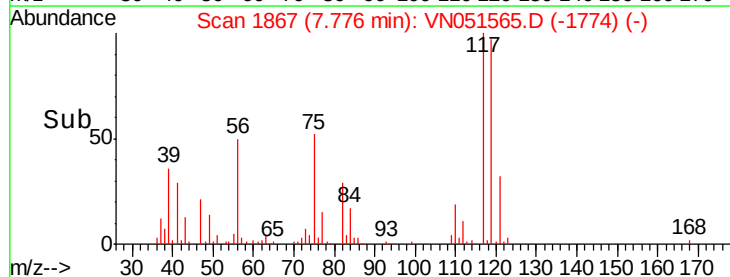
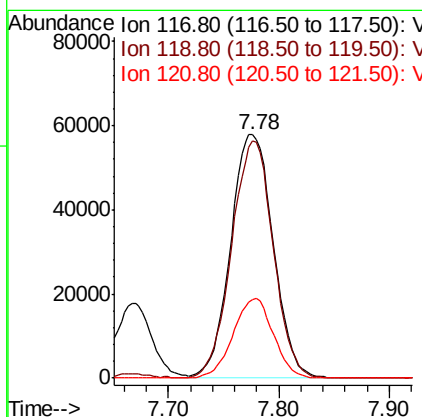
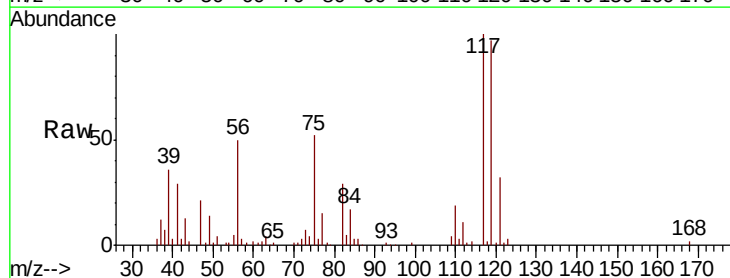
Manual Integrations
APPROVED

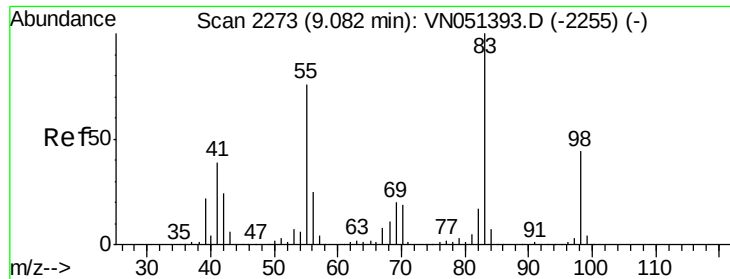
MMDadoda
9/27/2018 3:18:45 PM



#38
Carbon Tetrachloride
Concen: 18.862 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.9	115.3
121	32.4	24.6	37.0





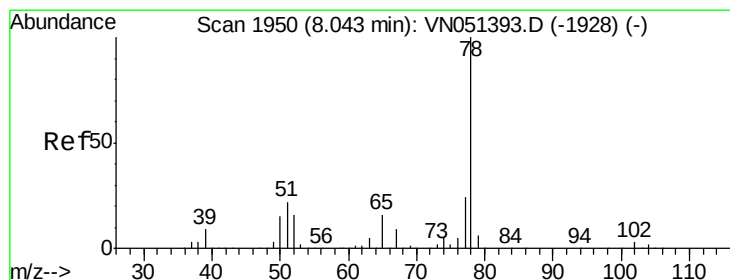
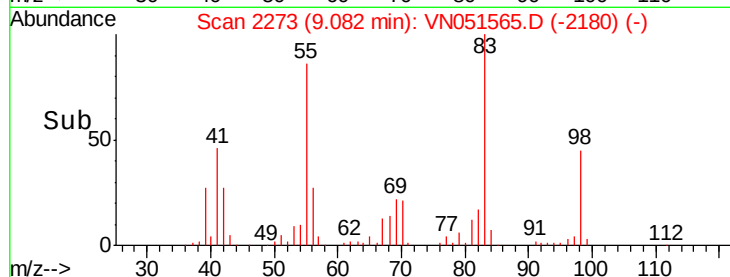
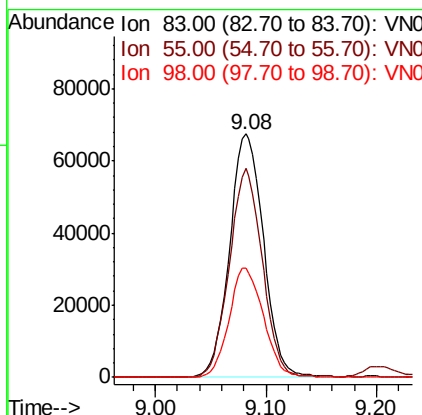
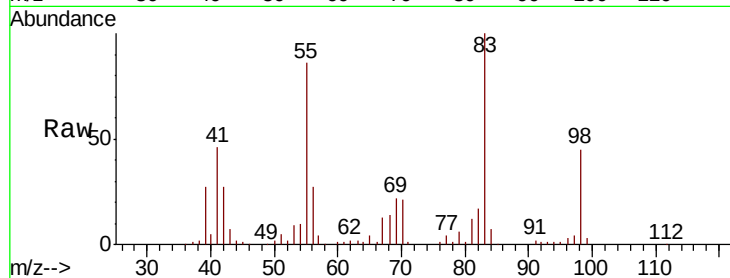
#39
Methylvlcyclohexane
Concen: 15.730 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.6	61.0	91.4
98	44.7	35.6	53.4

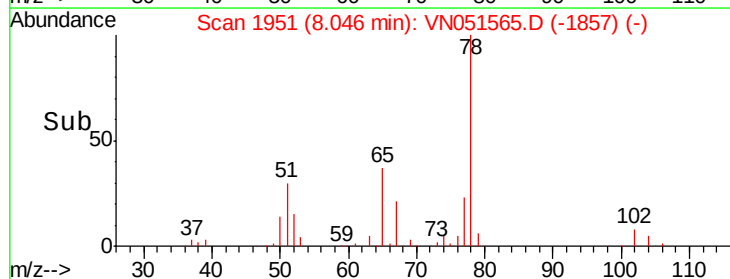
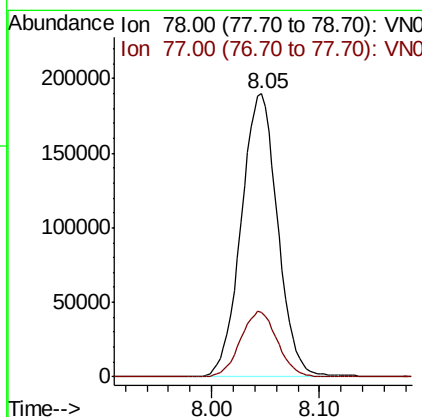
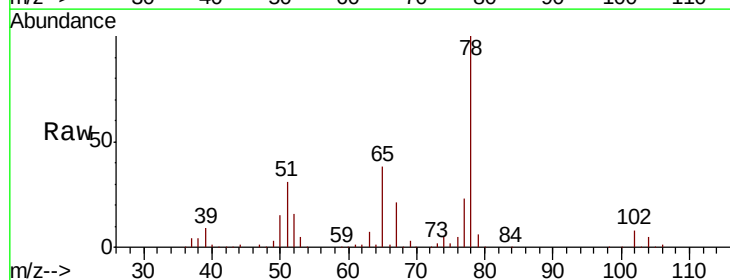
Manual Integrations
APPROVED

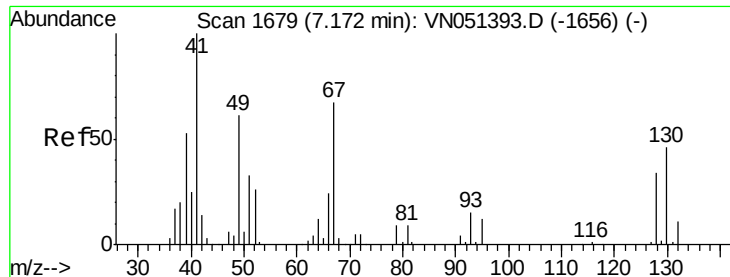
MMDadoda
9/27/2018 3:18:45 PM



#40
Benzene
Concen: 19.338 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8





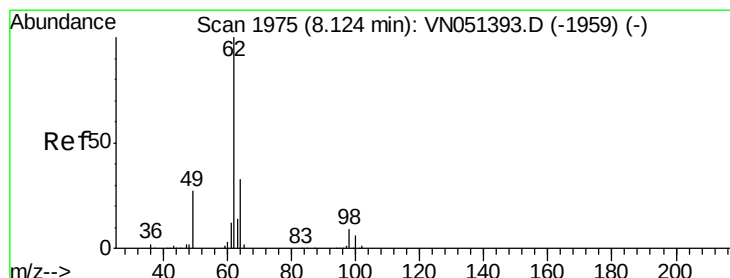
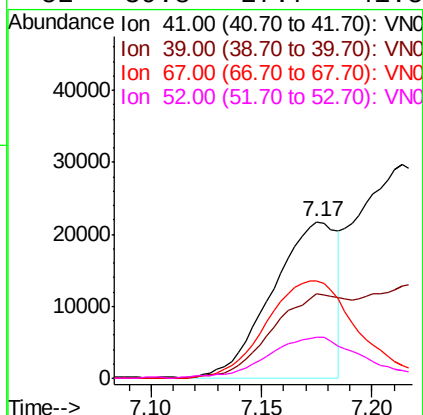
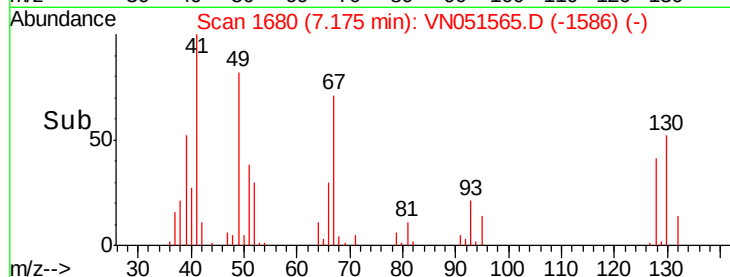
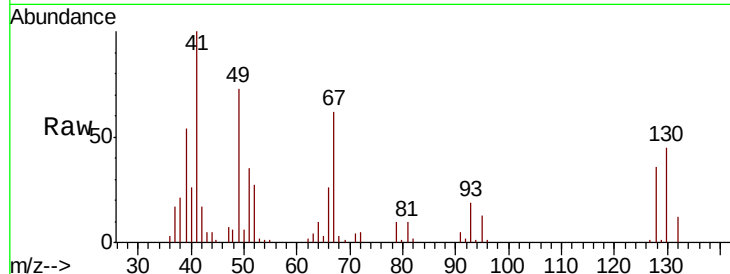
#41
Methacrylonitrile
Concen: 17.744 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion	41	Resp	44301
Ion	Ratio	Lower	Upper
41	100		
39	63.6	51.4	77.2
67	87.9	66.8	100.2
52	39.8	27.7	41.5

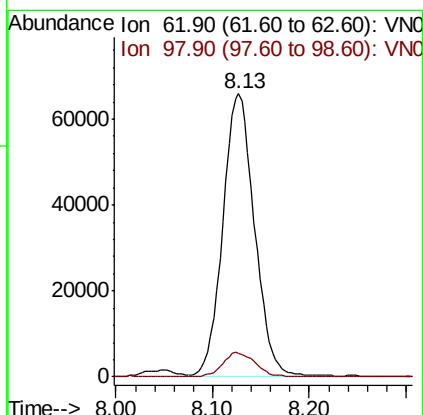
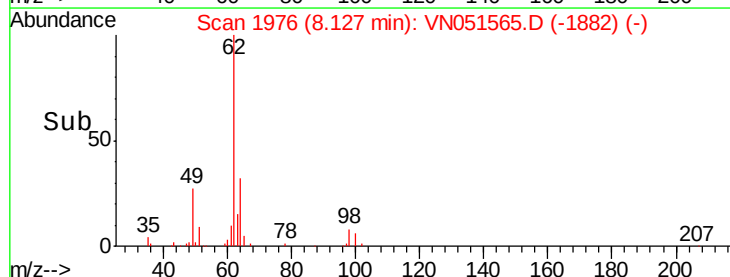
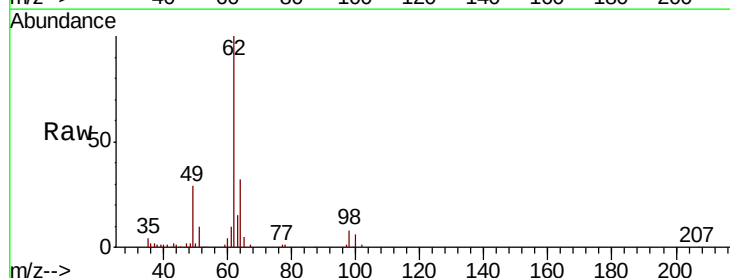
Manual Integrations
APPROVED

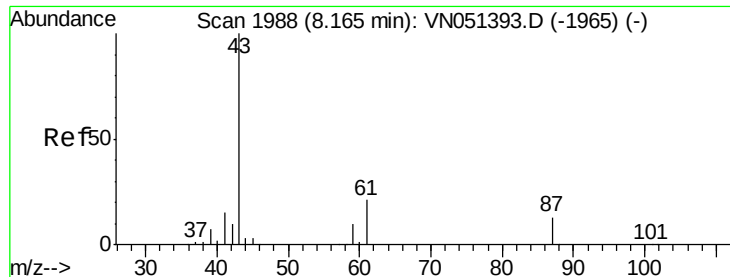
MMDadoda
9/27/2018 3:18:45 PM



#42
1,2-Dichloroethane
Concen: 20.228 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion	62	Resp	149265
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.6





#43

Isopropyl Acetate

Concen: 21.715 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

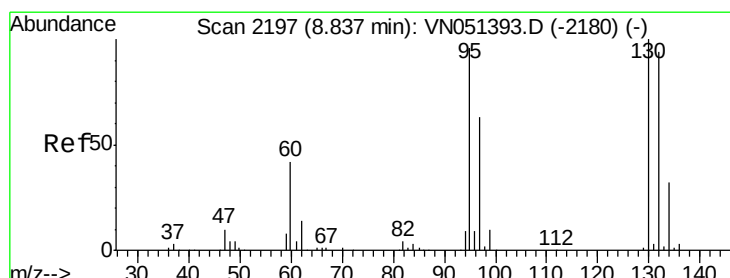
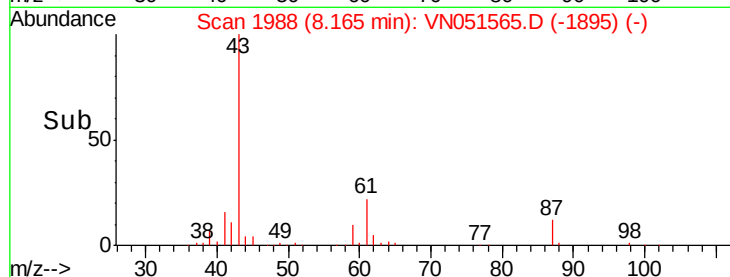
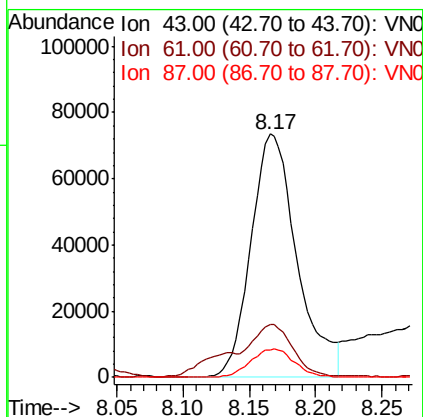
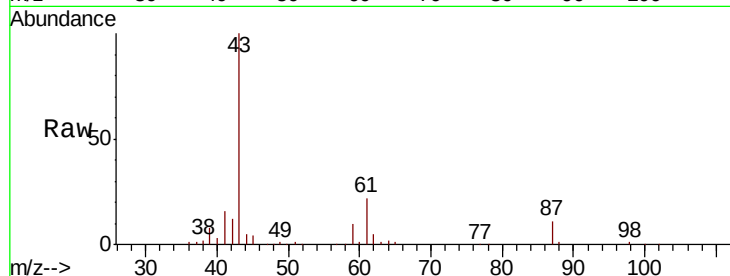
ClientSampleId :

VN0927WBS02

Tot Ion:	43	Resp:	177197
Ion	Ratio	Lower	Upper
43	100		
61	18.4	16.8	25.2
87	11.2	10.7	16.1

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#44

Trichloroethene

Concen: 18.833 ug/l

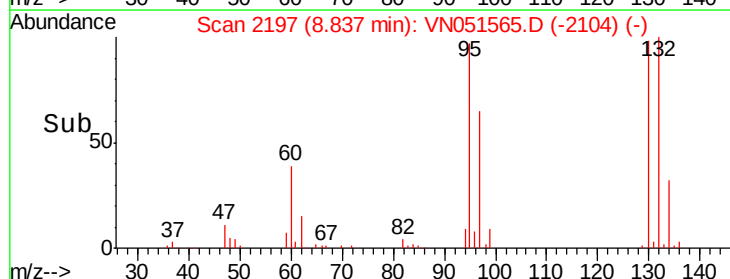
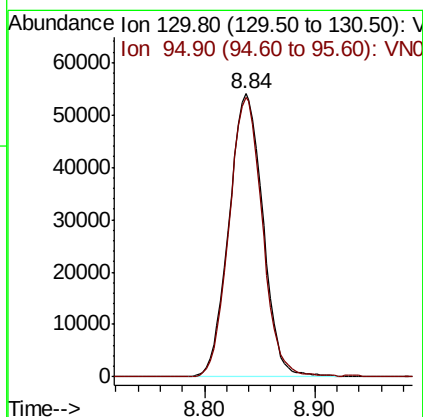
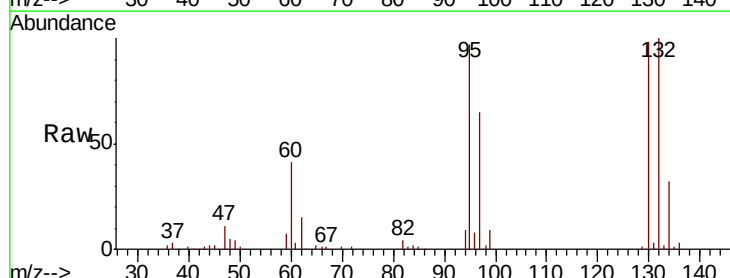
RT: 8.84 min Scan# 2197

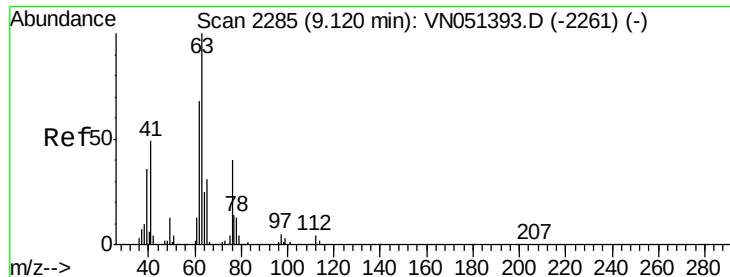
Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Tgt Ion:	130	Resp:	115277
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	192.2





#45

1,2-Dichloropropane

Concen: 20.745 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

Tot Ion: 63 Resp: 129955

Ion Ratio Lower Upper

63 100

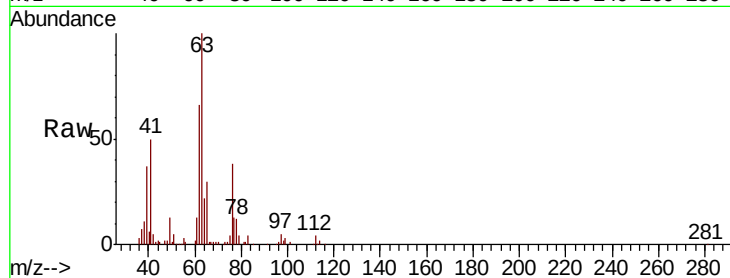
65 29.8 24.9 37.3

Manual Integrations

APPROVED

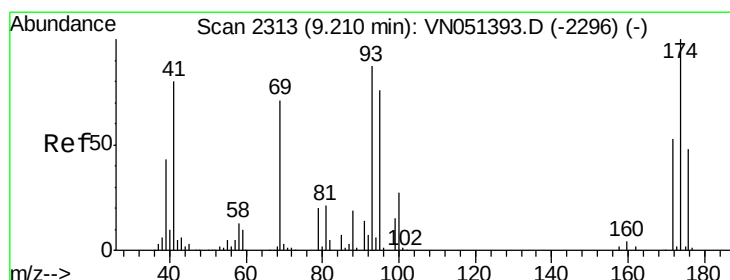
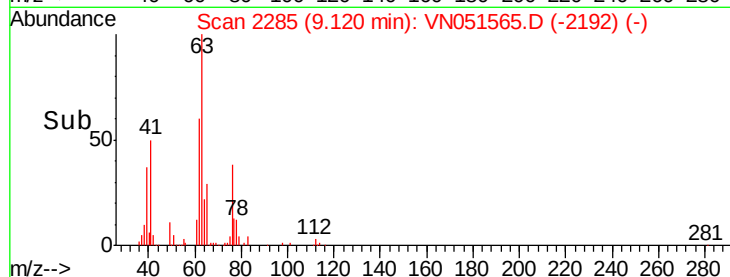
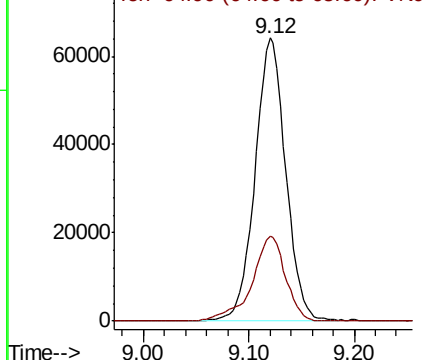
MMDadoda

9/27/2018 3:18:45 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.959 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

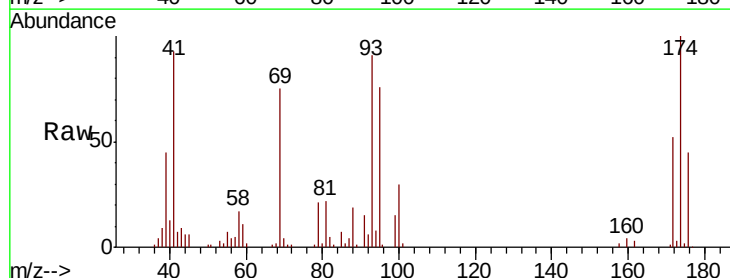
Tgt Ion: 93 Resp: 70648

Ion Ratio Lower Upper

93 100

95 83.6 67.6 101.4

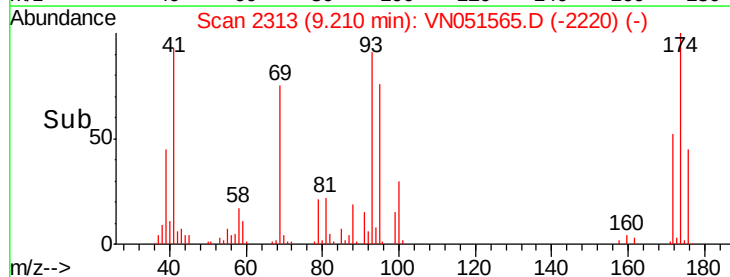
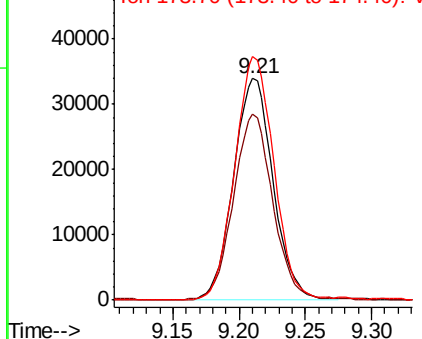
174 108.6 89.6 134.4

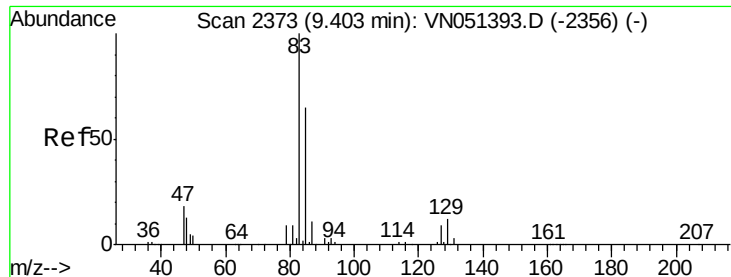


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





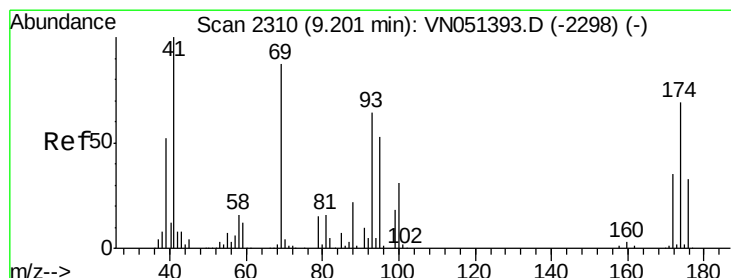
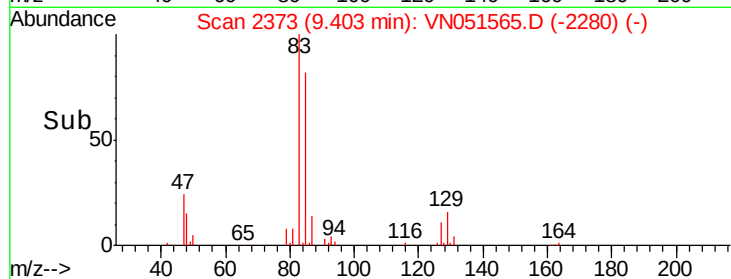
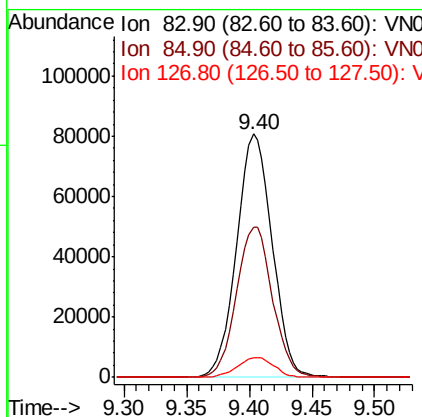
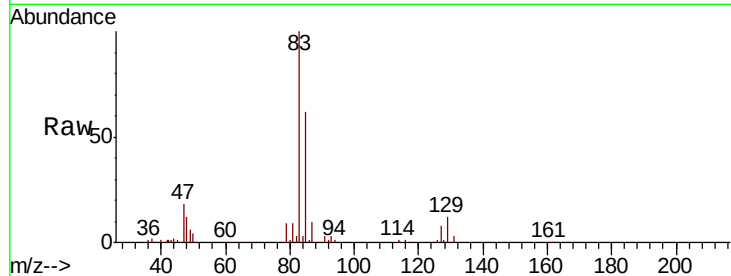
#47
Bromodichloromethane
Concen: 20.276 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion	83	Resp	158826
Ion Ratio	100	Lower	Upper
83	100		
85	61.6	51.8	77.6
127	7.8	7.4	11.2

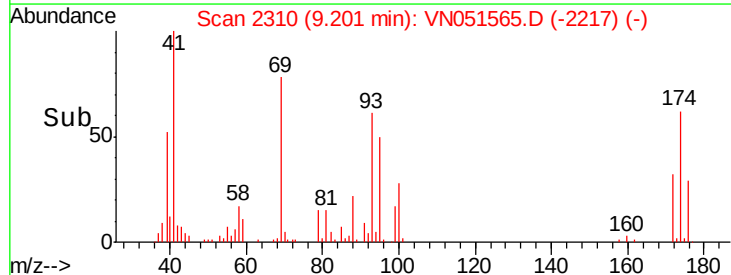
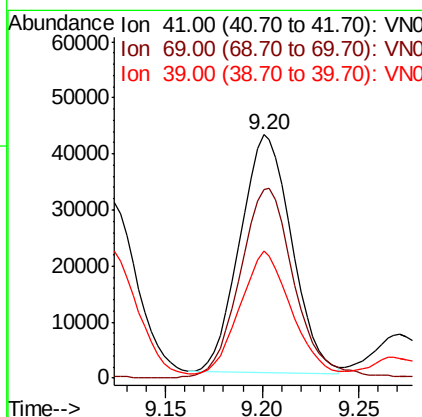
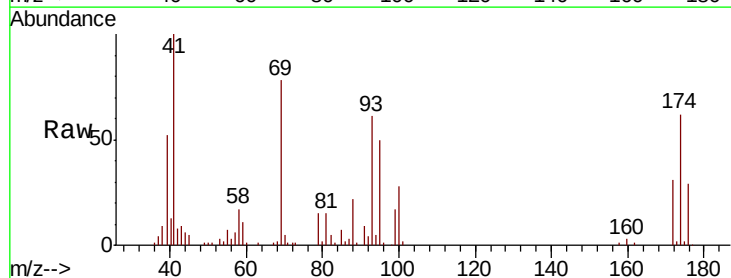
Manual Integrations
APPROVED

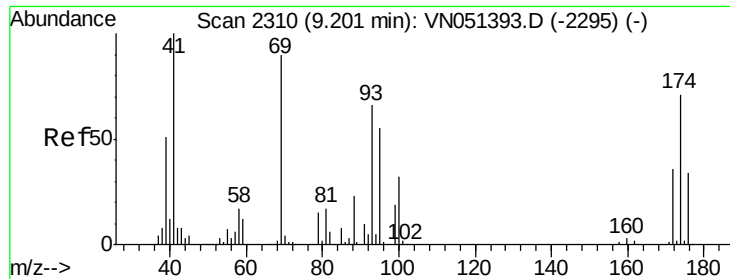
MMDadoda
9/27/2018 3:18:45 PM



#48
Methyl methacrylate
Concen: 19.309 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion	41	Resp	78555
Ion Ratio	100	Lower	Upper
41	100		
69	84.7	70.4	105.6
39	54.2	43.8	65.8





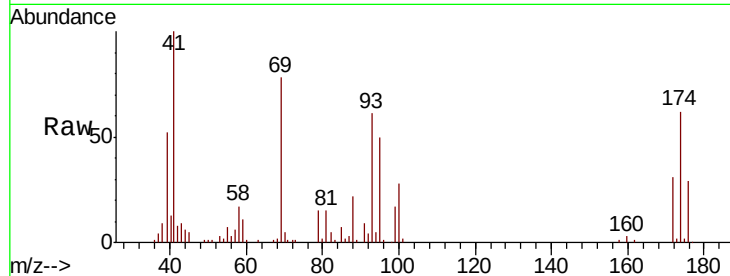
#49
 1,4-Dioxane
 Concen: 387.738 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

Tot Ion	88	Resp	19333
Ion Ratio	Lower	Upper	
88	100		
43	37.1	25.9	38.9
58	77.5	57.0	85.4

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:18:45 PM

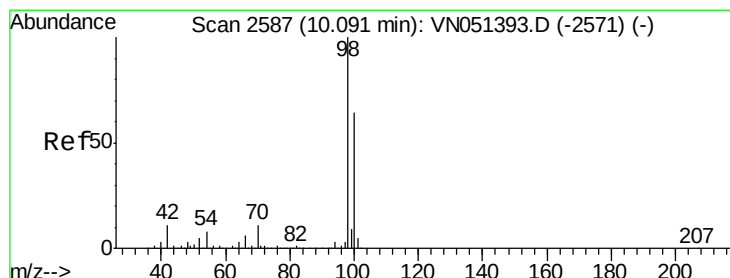
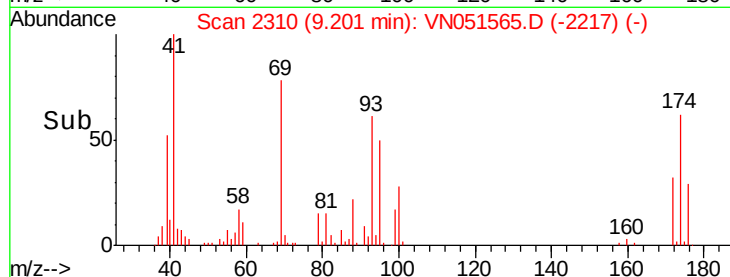
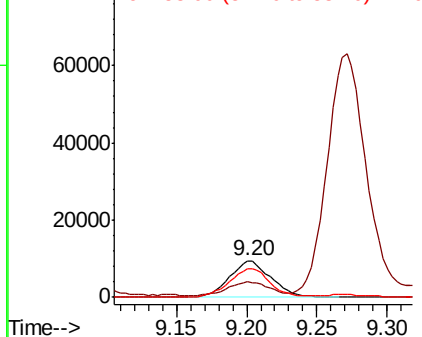


Abundance

Ion 88.00 (87.70 to 88.70): VN0

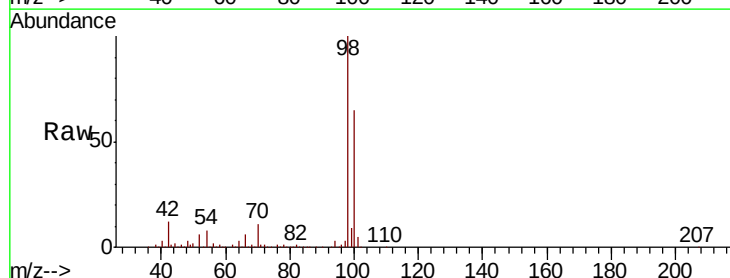
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
 Toluene-d8
 Concen: 49.077 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

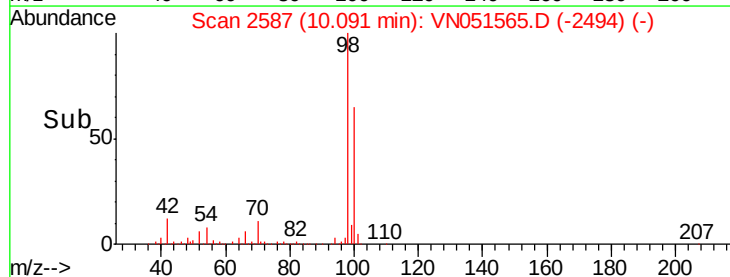
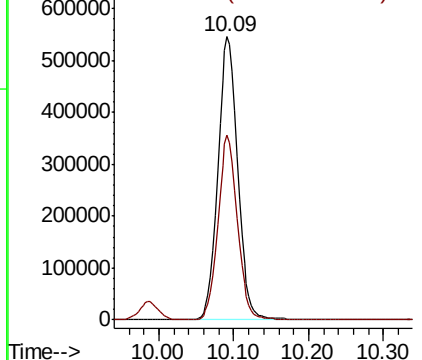
Tgt Ion	98	Resp	1001625
Ion Ratio	Lower	Upper	
98	100		
100	63.6	50.6	75.8

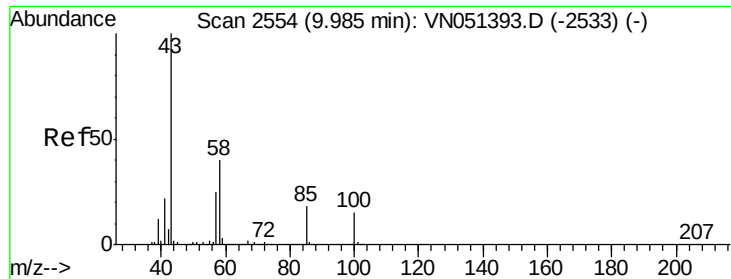


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 103.440 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

Tot Ion: 43 Resp: 464223

Ion Ratio Lower Upper

43 100

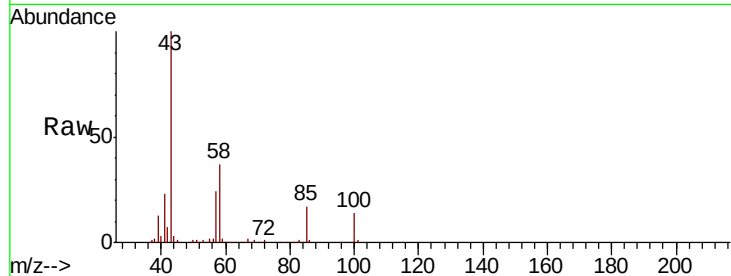
58 37.5 31.5 47.3

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



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

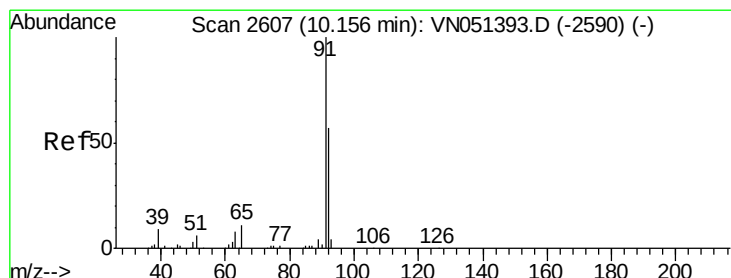
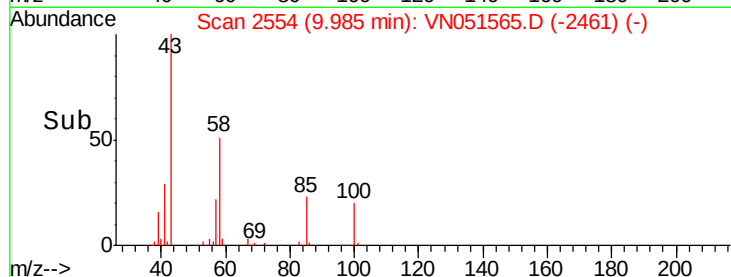
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.862 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051565.D

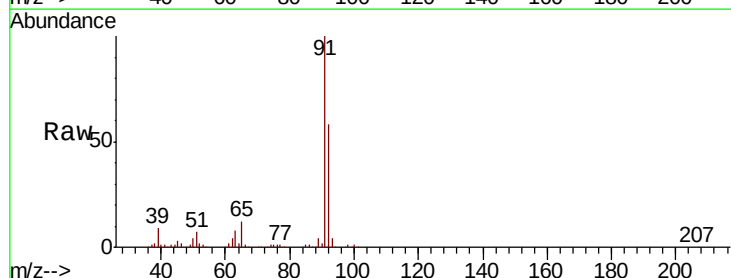
Acq: 27 Sep 2018 5:58

Tgt Ion: 92 Resp: 270148

Ion Ratio Lower Upper

92 100

91 175.1 142.2 213.4



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

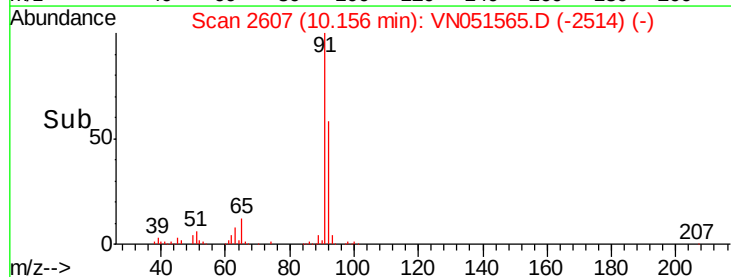
150000

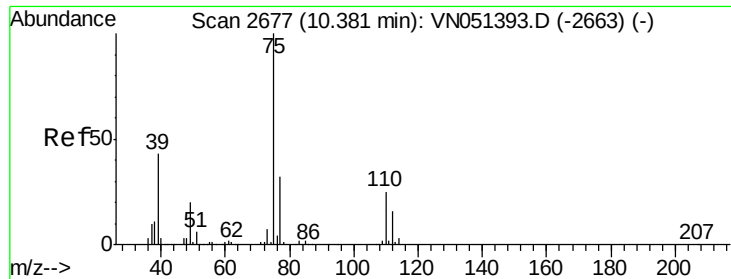
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.221 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

Tot Ion: 75 Resp: 136182

Ion Ratio Lower Upper

75 100

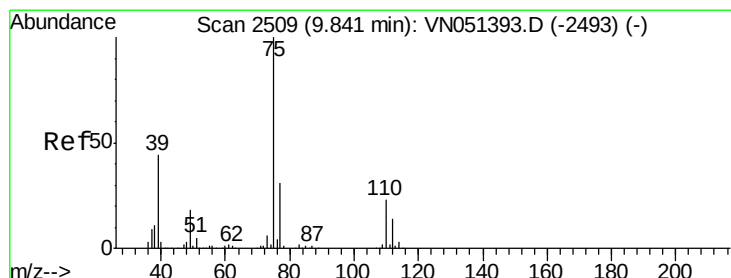
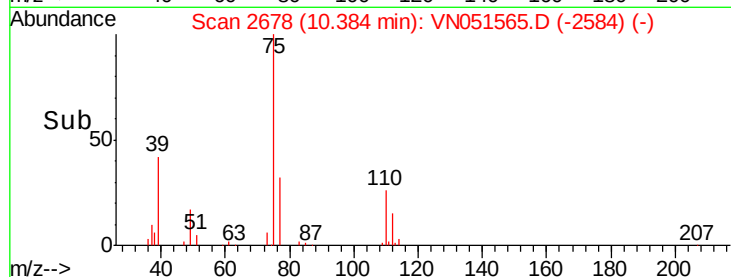
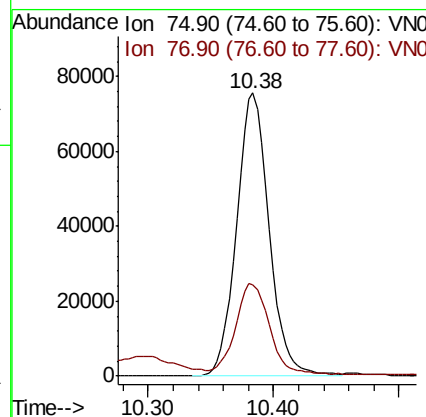
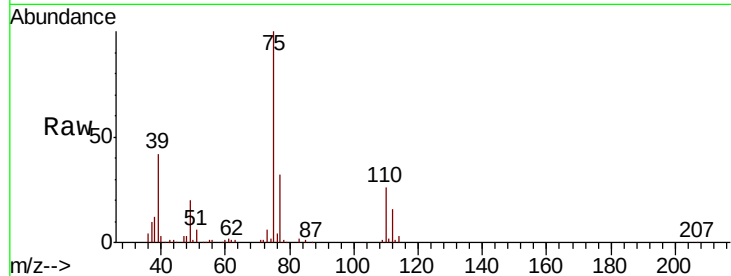
77 31.7 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



#54

cis-1,3-Dichloropropene

Concen: 17.838 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

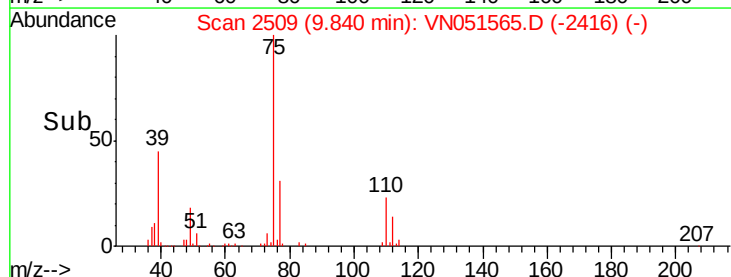
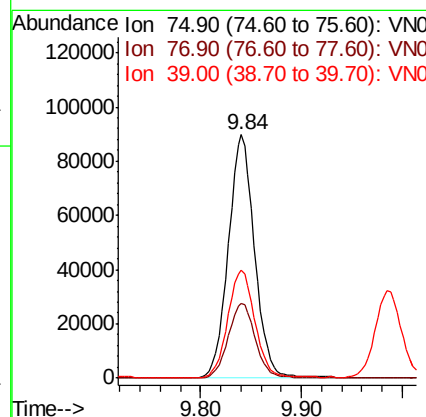
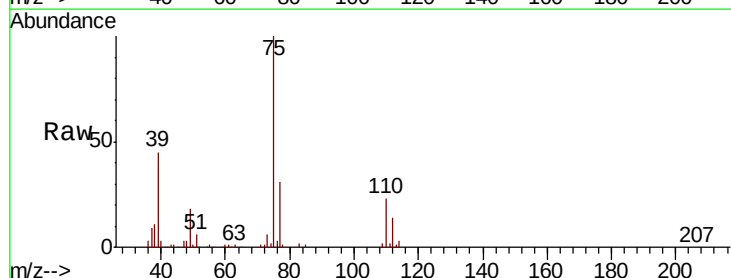
Tgt Ion: 75 Resp: 163590

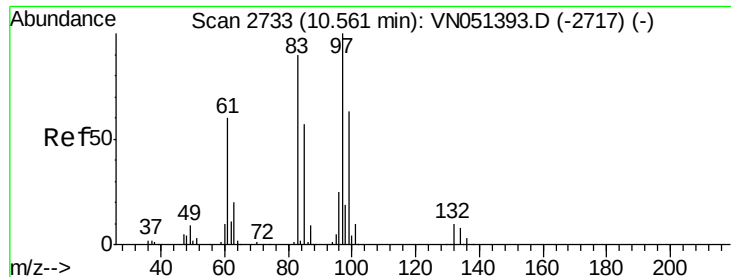
Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8

39 44.6 35.4 53.2





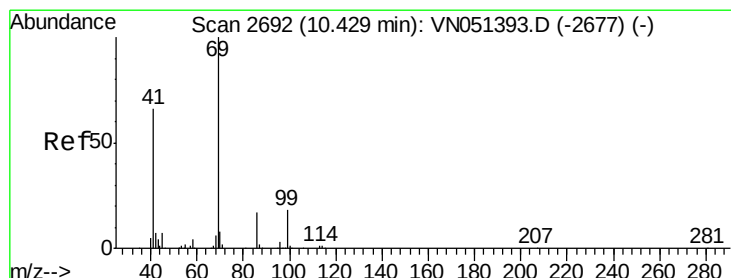
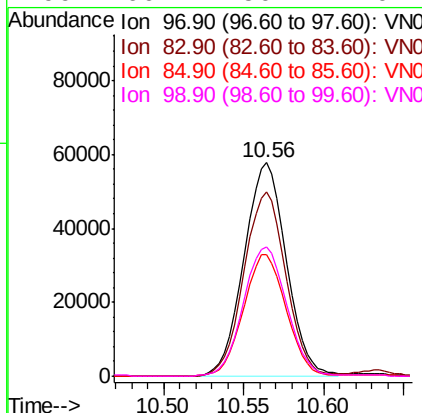
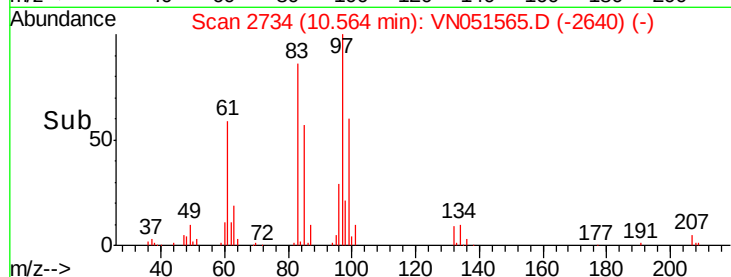
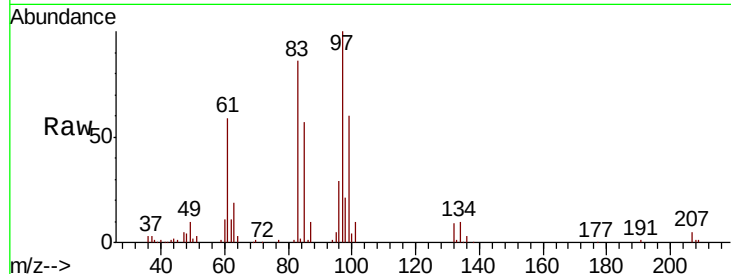
#55
 1,1,2-Trichloroethane
 Concen: 20.707 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

Tot Ion:	97	Resp:	104810
Ion	Ratio	Lower	Upper
97	100		
83	86.0	72.0	108.0
85	56.8	45.2	67.8
99	60.4	50.7	76.1

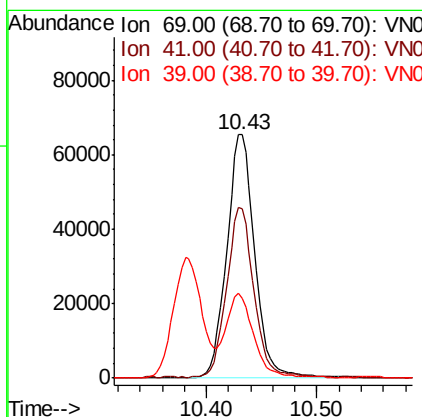
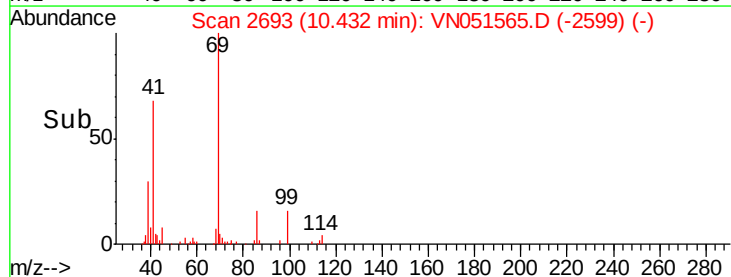
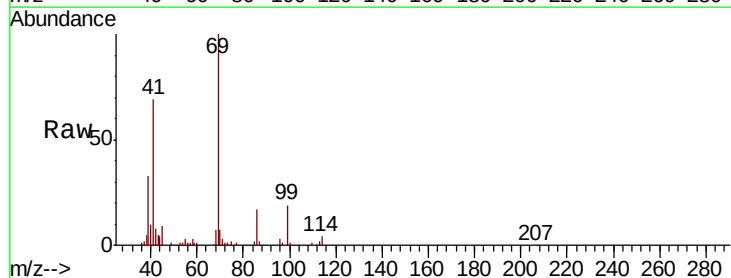
Manual Integrations
 APPROVED

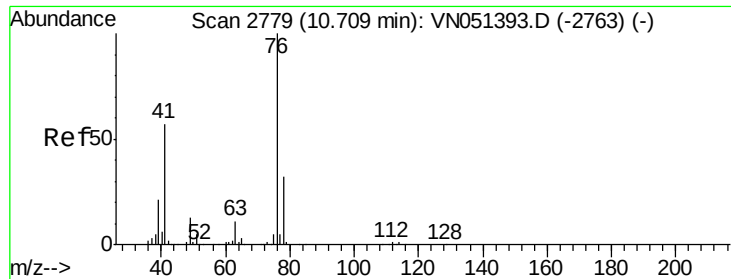
MMDadoda
 9/27/2018 3:18:45 PM



#56
 Ethyl methacrylate
 Concen: 18.576 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion:	69	Resp:	114955
Ion	Ratio	Lower	Upper
69	100		
41	67.8	52.4	78.6
39	32.8	26.3	39.5





#57

1,3-Dichloropropane

Concen: 20.079 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS02

Tot Ion: 76 Resp: 174196

Ion Ratio Lower Upper

76 100

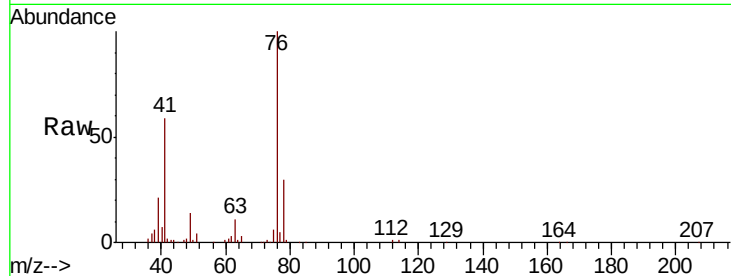
78 31.0 25.5 38.3

Manual Integrations

APPROVED

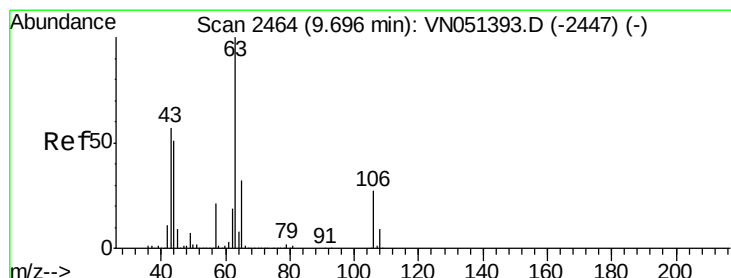
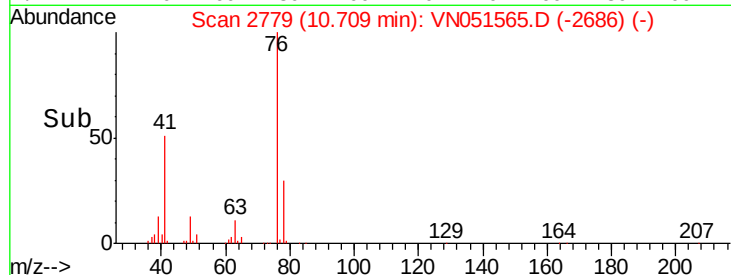
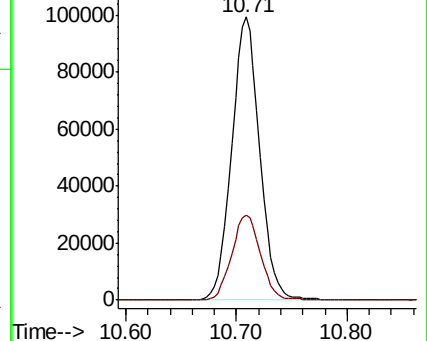
MMDadoda

9/27/2018 3:18:45 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 100.879 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051565.D

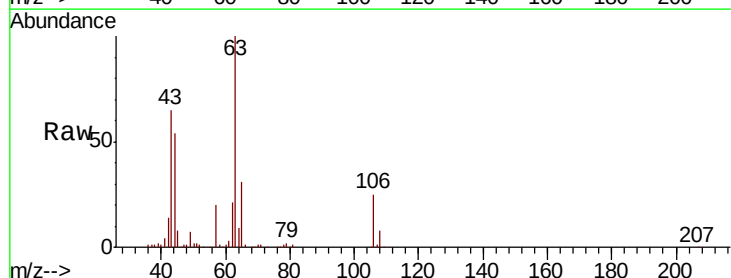
Acq: 27 Sep 2018 5:58

Tgt Ion: 63 Resp: 293550

Ion Ratio Lower Upper

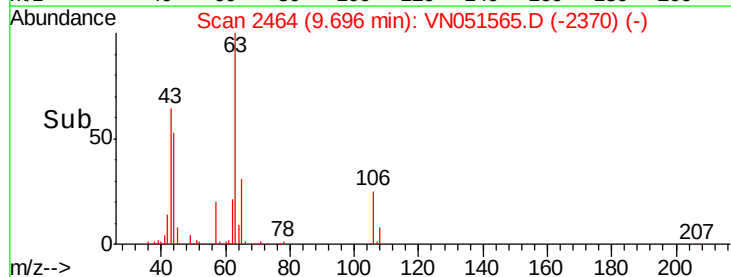
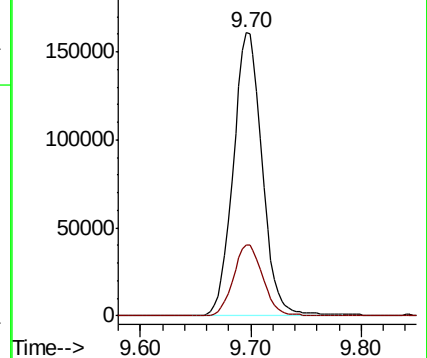
63 100

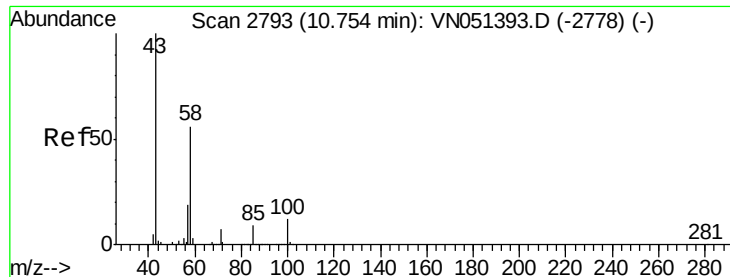
106 25.5 21.4 32.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





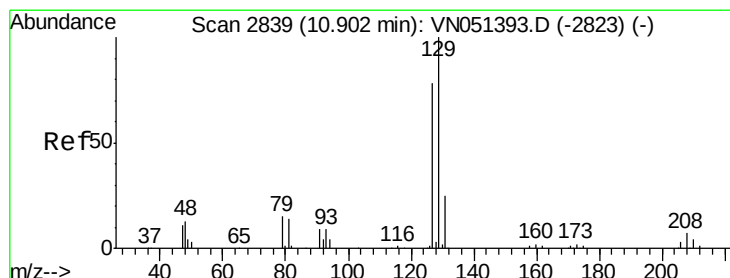
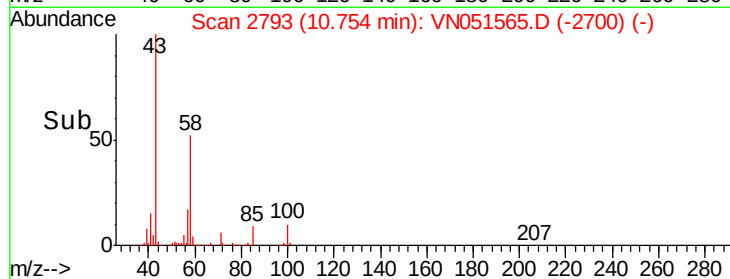
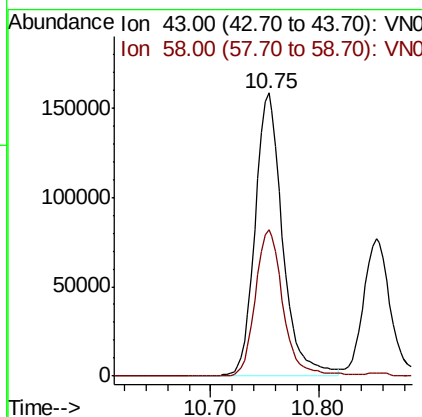
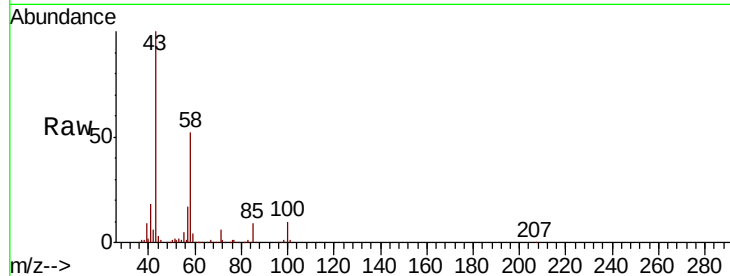
#59
2-Hexanone
Concen: 96.087 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	27.7	83.0

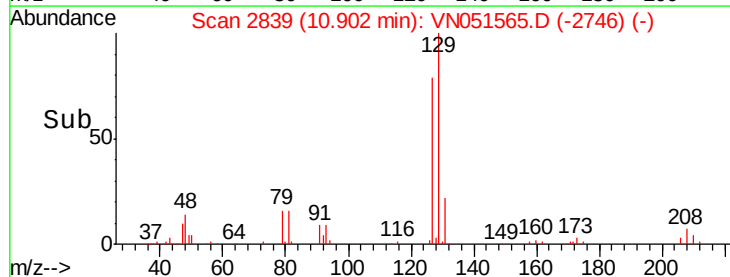
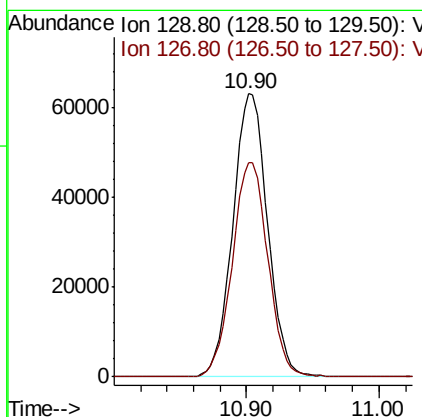
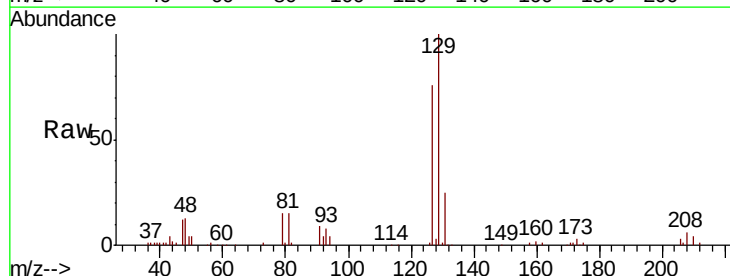
Manual Integrations
APPROVED

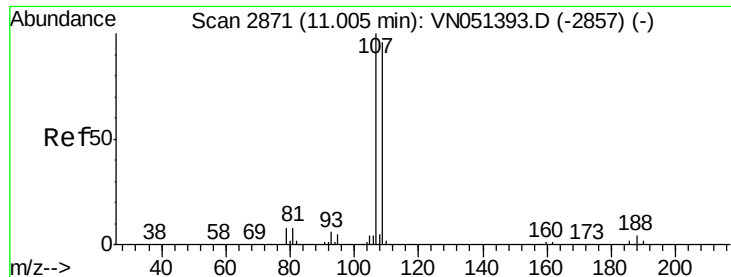
MMDadoda
9/27/2018 3:18:45 PM



#60
Dibromochloromethane
Concen: 19.171 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.6	116.0





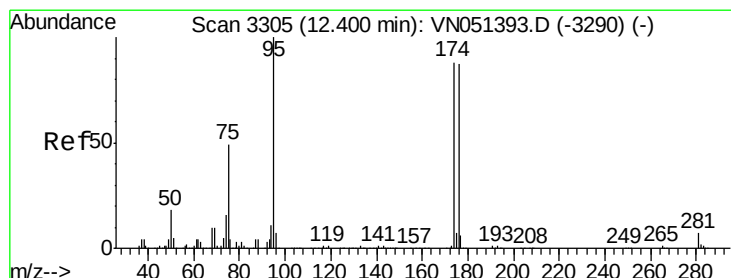
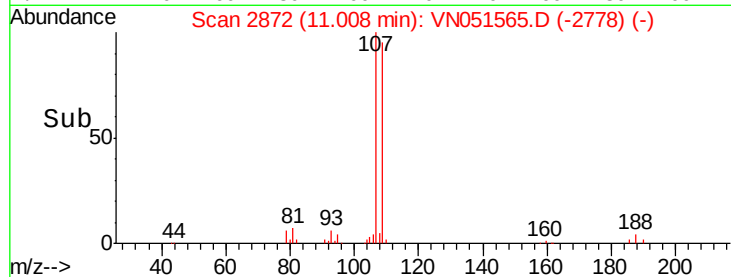
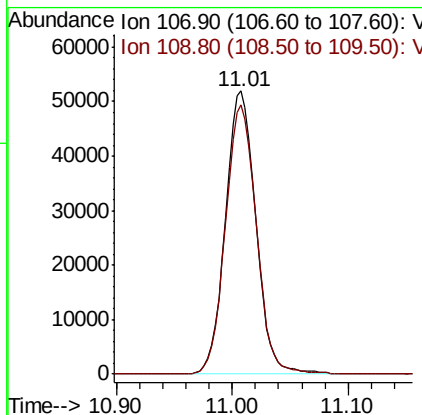
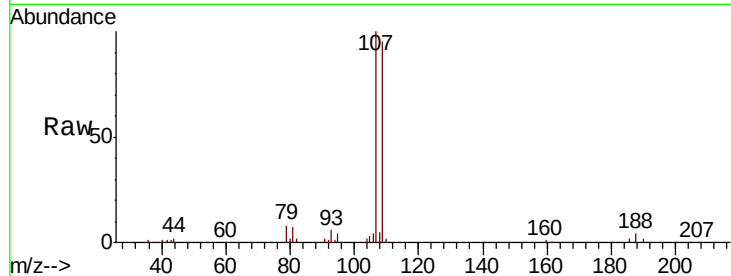
#61
 1,2-Dibromoethane
 Concen: 19.096 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	76.3	114.5

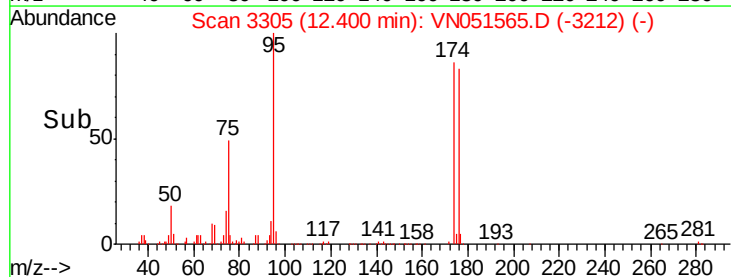
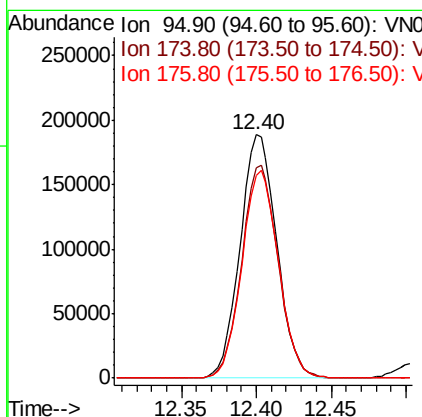
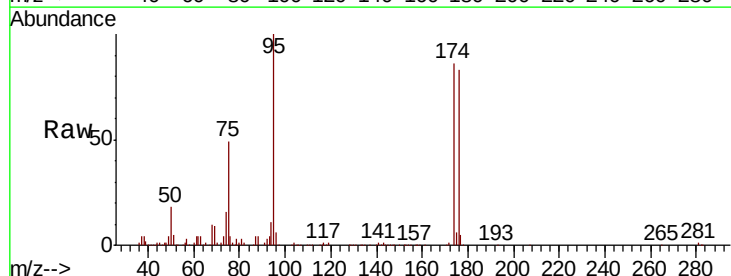
Manual Integrations
 APPROVED

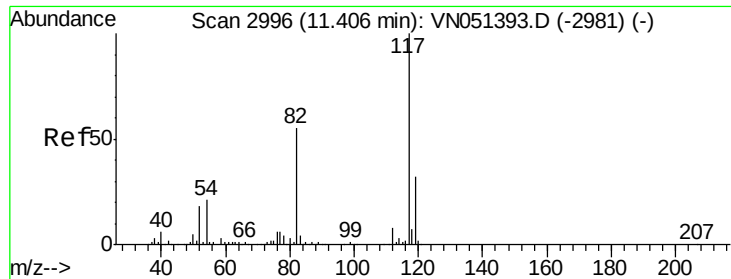
MMDadoda
 9/27/2018 3:18:45 PM



#62
 4-Bromofluorobenzene
 Concen: 48.766 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.8	0.0	181.6
176	85.2	0.0	176.4





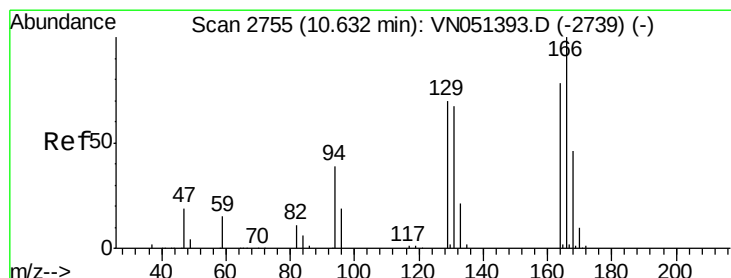
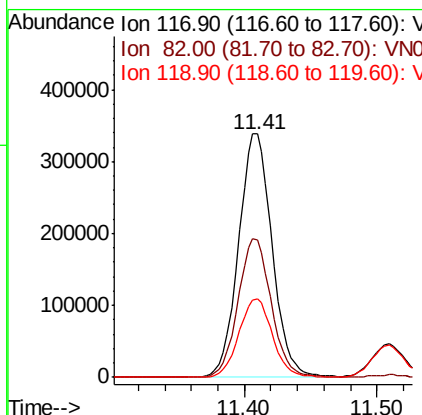
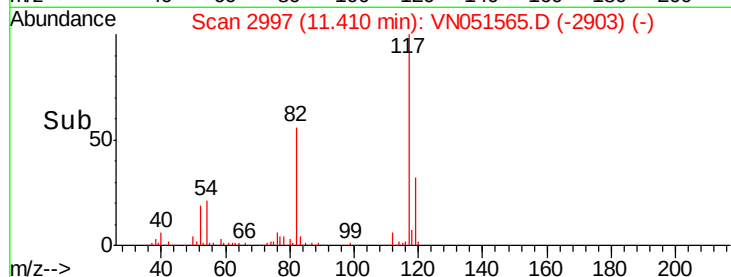
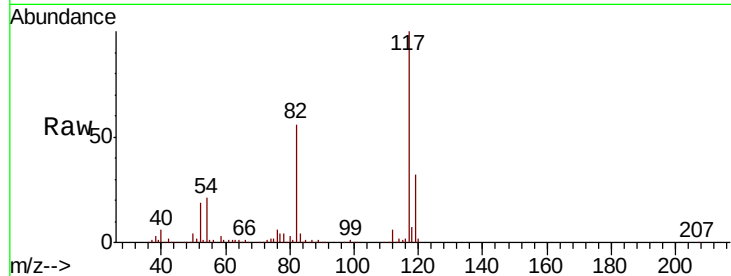
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	593576		
82	56.3		44.2	66.2
119	32.5		25.9	38.9

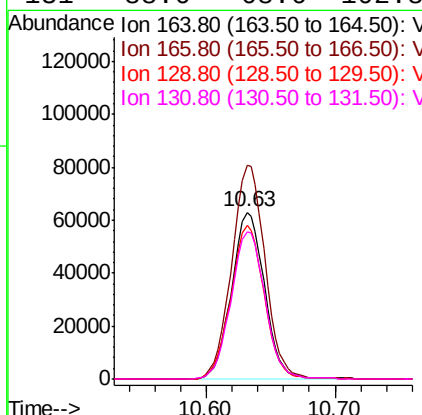
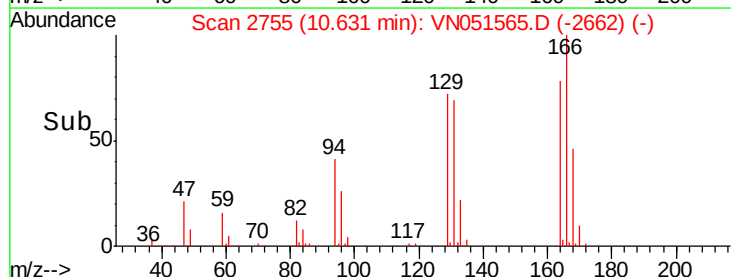
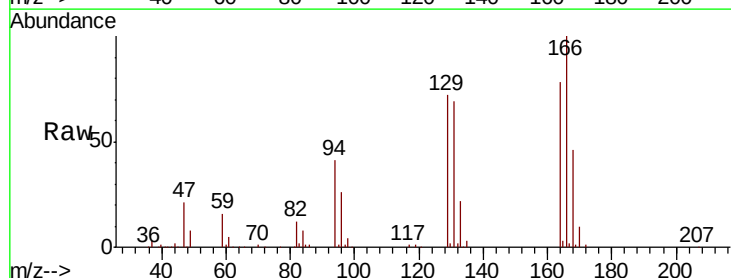
Manual Integrations
APPROVED

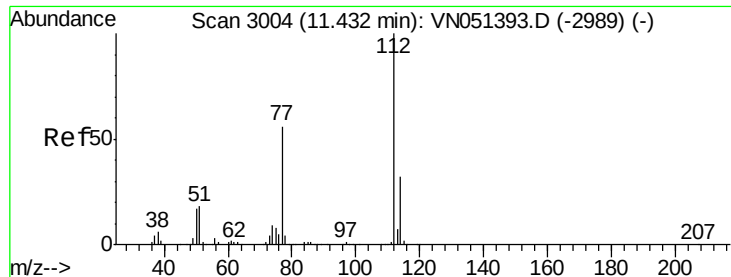
MMDadoda
9/27/2018 3:18:45 PM



#64
Tetrachloroethene
Concen: 20.786 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111974		
166	128.1		102.3	153.5
129	92.0		71.8	107.8
131	88.6		68.6	102.8





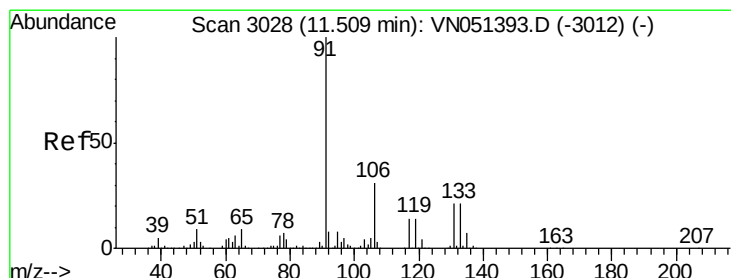
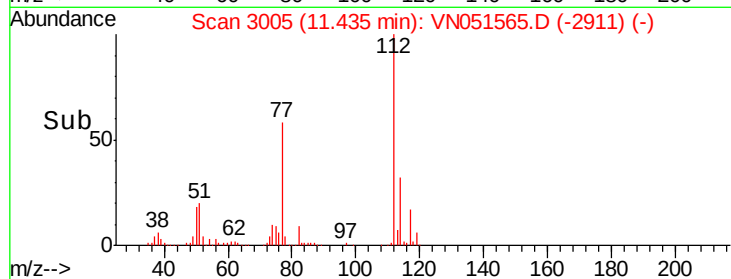
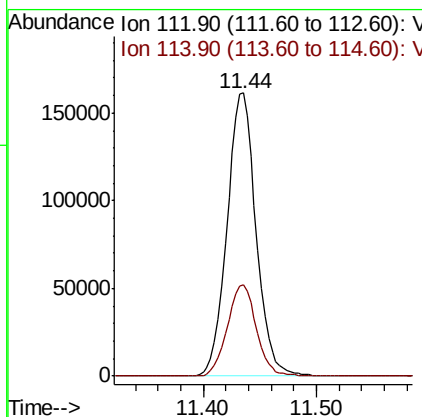
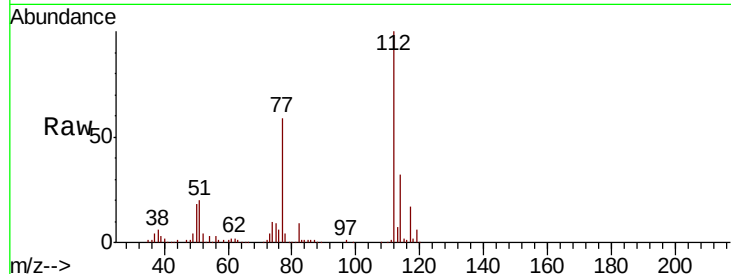
#65
Chlorobenzene
Concen: 18.844 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	286981		
114	32.2	25.4	38.2	

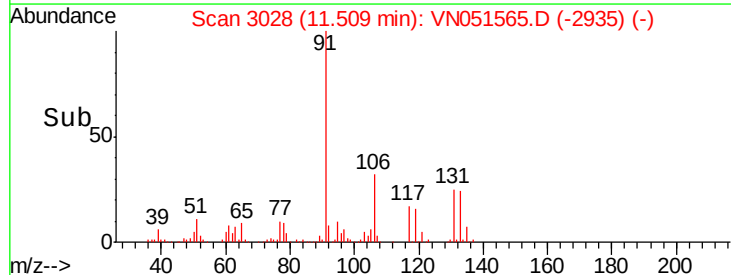
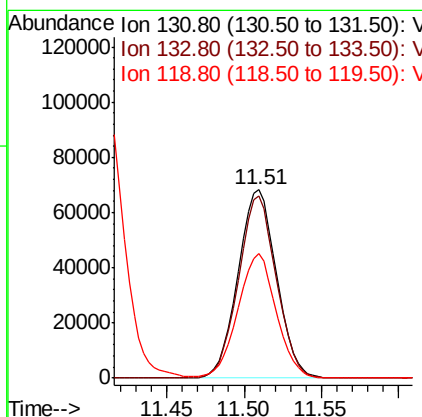
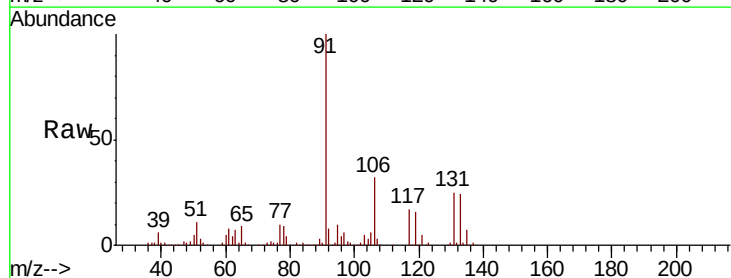
Manual Integrations
APPROVED

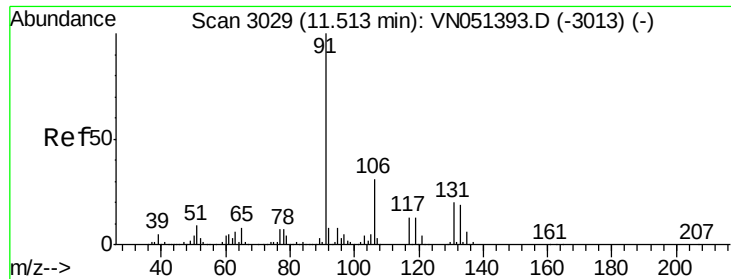
MMDadoda
9/27/2018 3:18:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.340 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	118014		
133	95.1	48.3	144.8	
119	65.8	32.8	98.4	





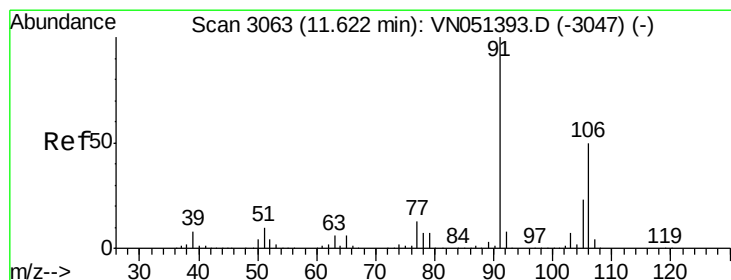
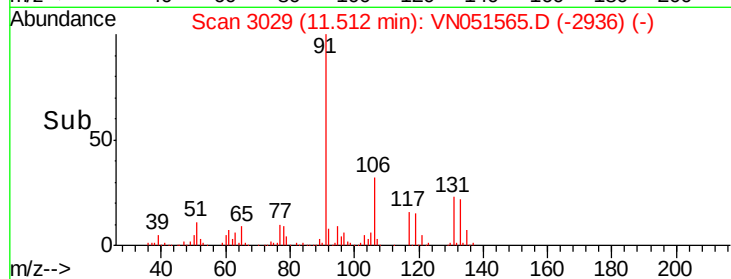
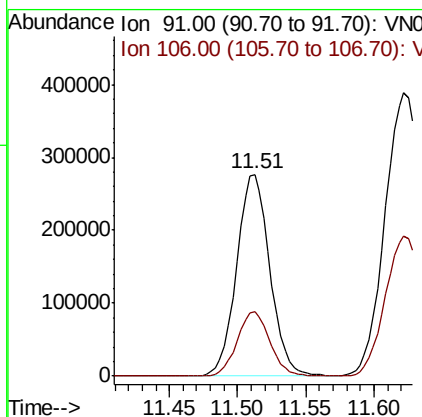
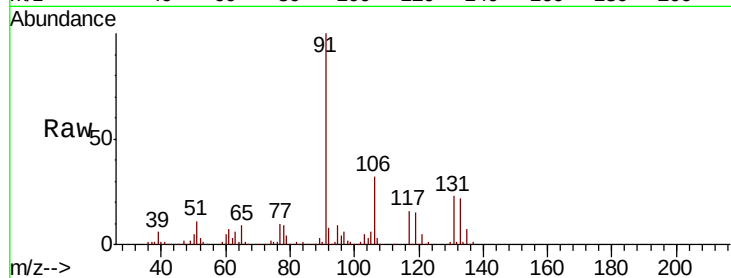
#67
Ethyl Benzene
Concen: 18.198 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampled :
VN0927WBS02

Tot Ion: 91 Resp: 467067
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4

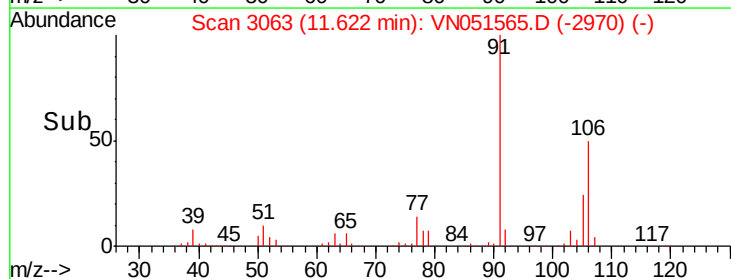
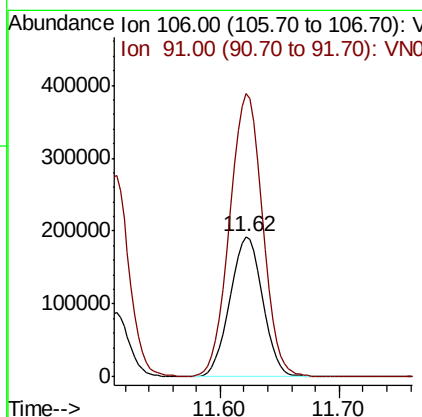
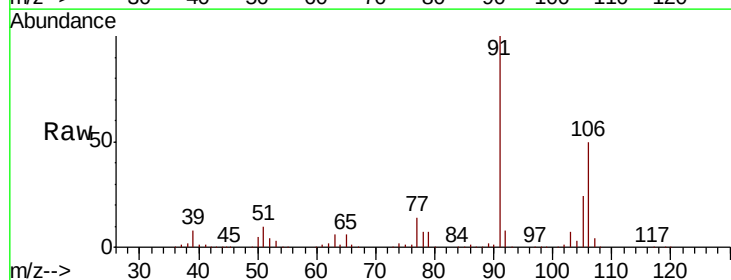
Manual Integrations
APPROVED

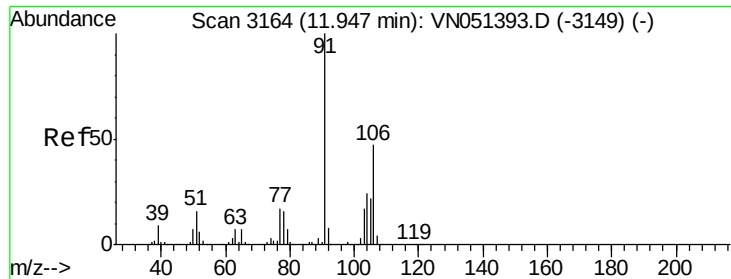
MMDadoda
9/27/2018 3:18:45 PM



#68
m/p-Xylenes
Concen: 37.072 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion: 106 Resp: 368036
Ion Ratio Lower Upper
106 100
91 202.7 161.3 241.9





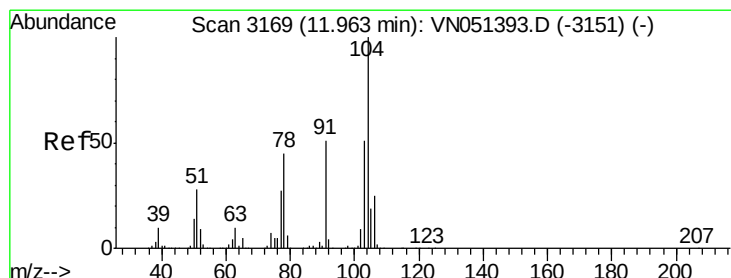
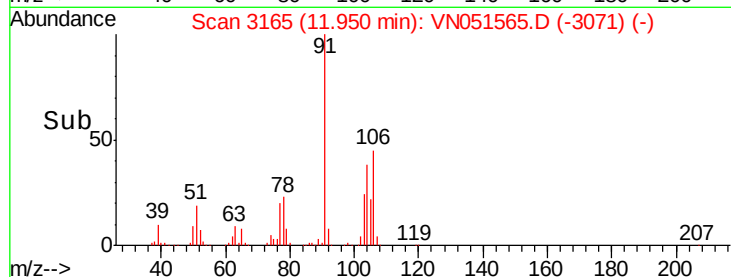
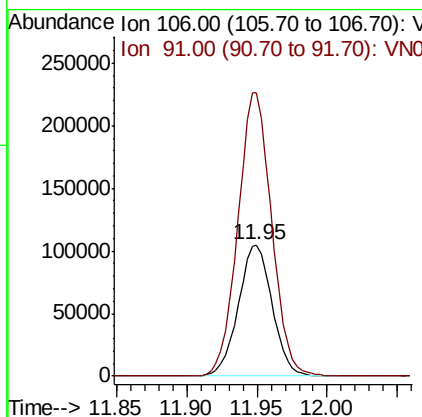
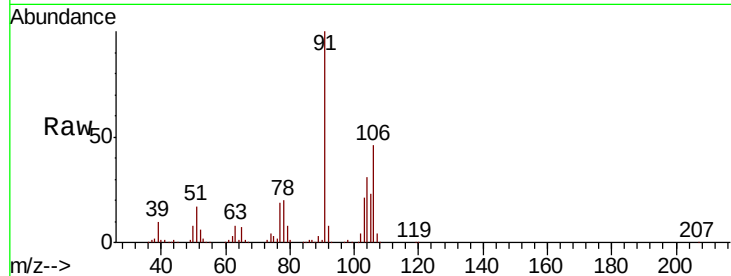
#69
o-Xylene
Concen: 18.451 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampled :
VN0927WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		176089		
91	215.3	105.3	315.9		

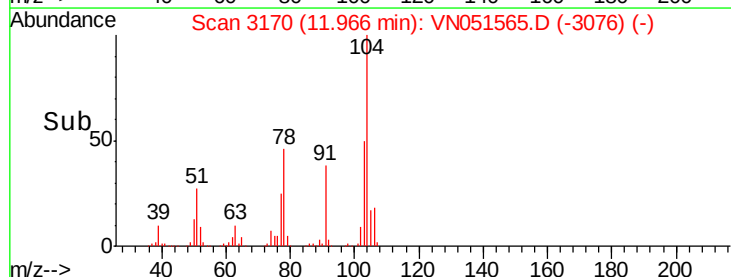
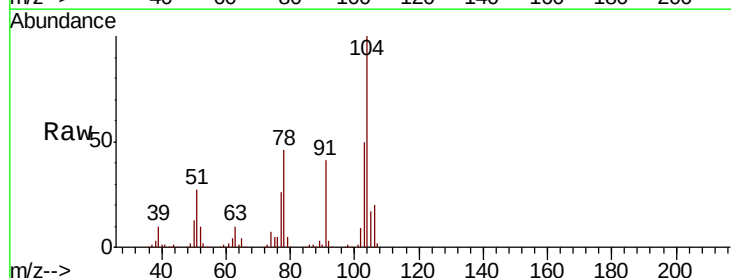
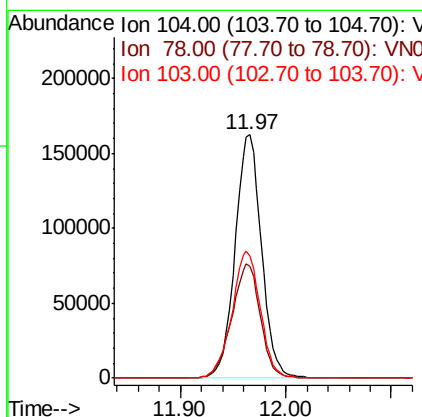
Manual Integrations
APPROVED

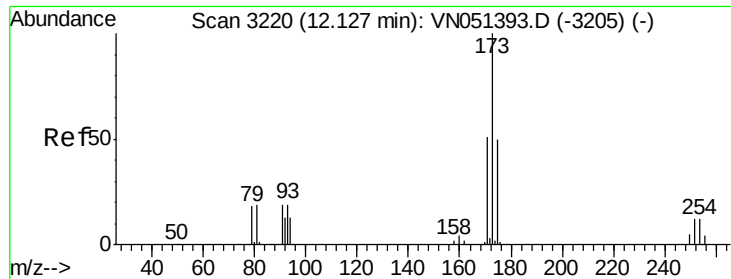
MMDadoda
9/27/2018 3:18:45 PM



#70
Styrene
Concen: 18.622 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		281617		
78	50.5	39.9	59.9		
103	56.0	44.6	66.8		





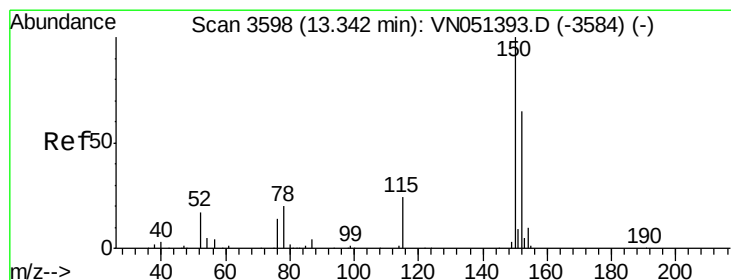
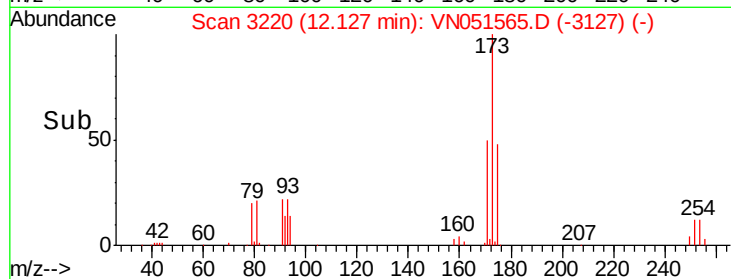
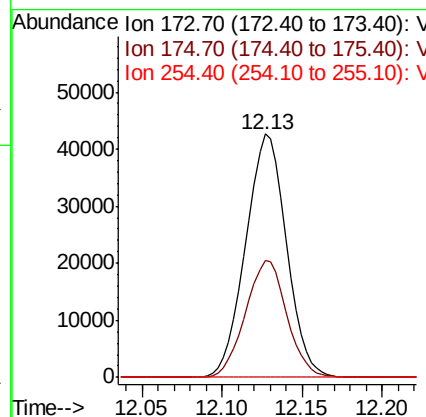
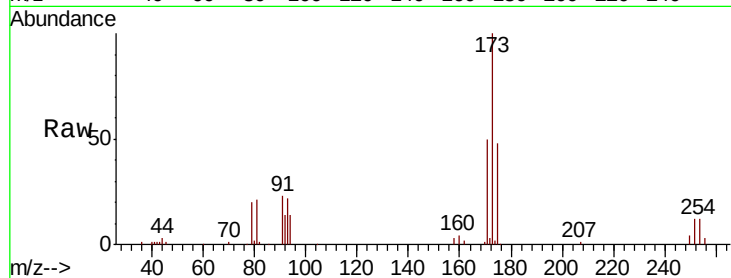
#71
 Bromoform
 Concen: 18.851 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.8	74.3
254	0.0	0.2	0.2

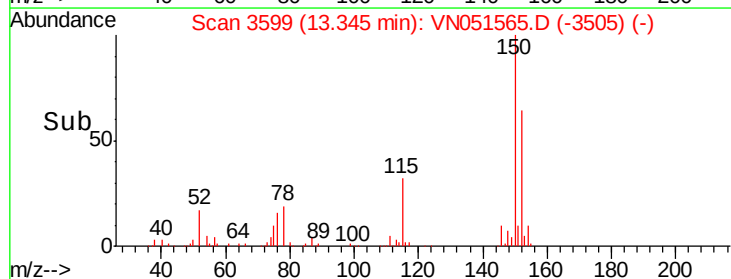
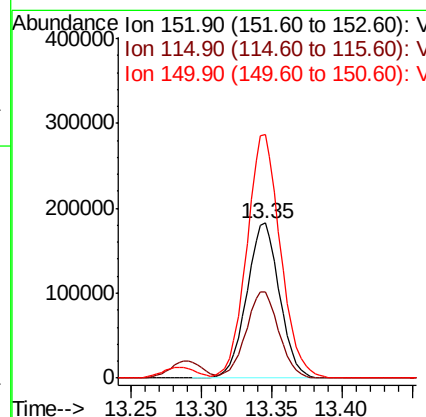
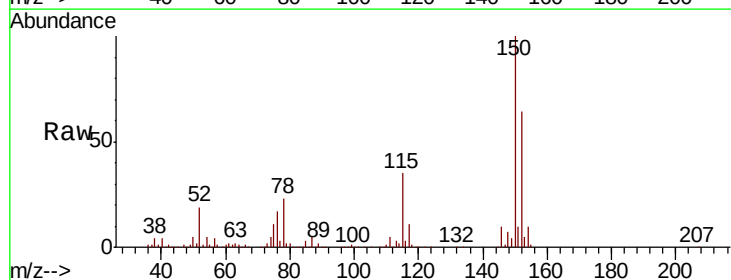
Manual Integrations
 APPROVED

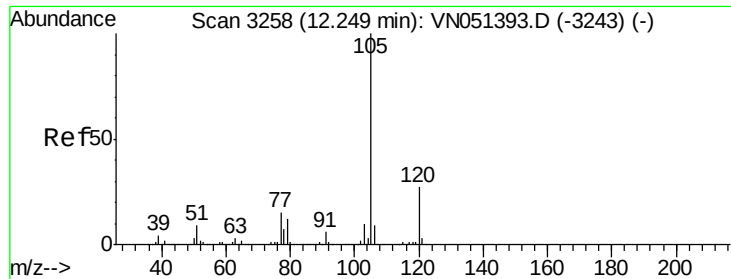
MMDadoda
 9/27/2018 3:18:45 PM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.3	84.9
150	161.3	0.0	353.6





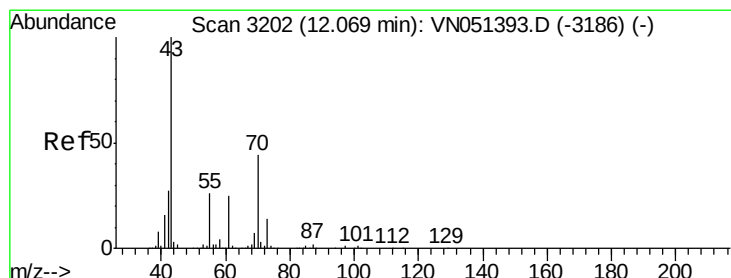
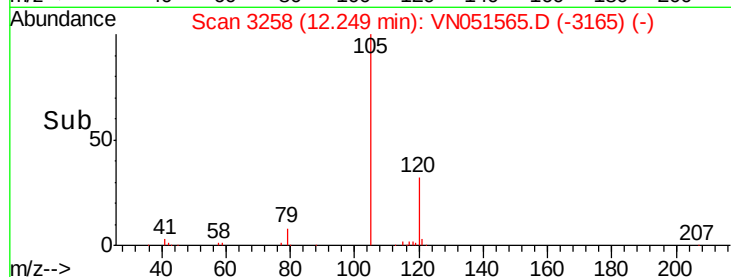
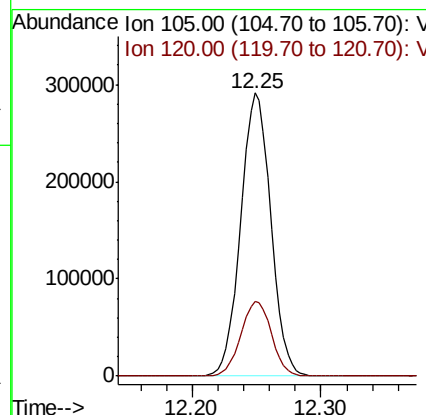
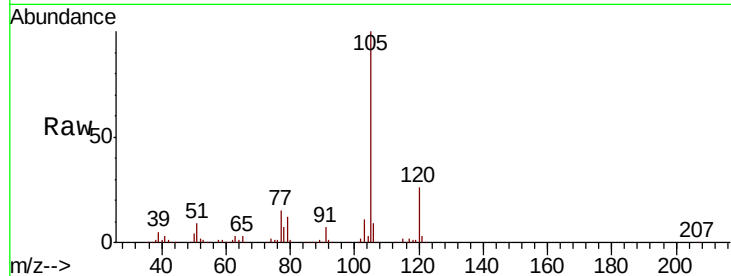
#73
Isopropylbenzene
Concen: 18.830 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.8

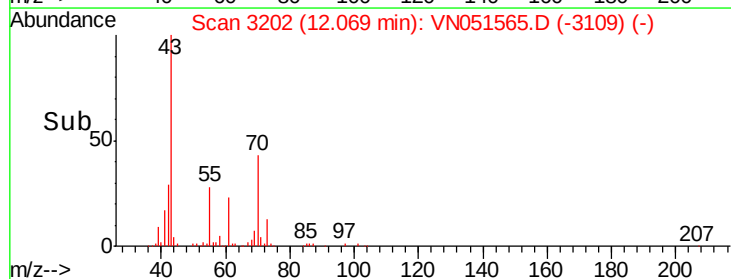
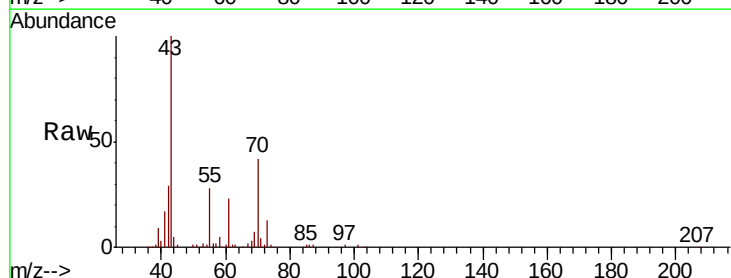
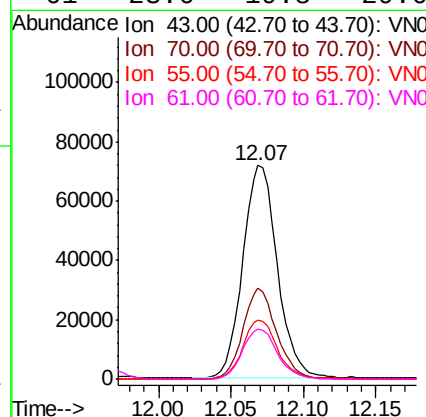
Manual Integrations
APPROVED

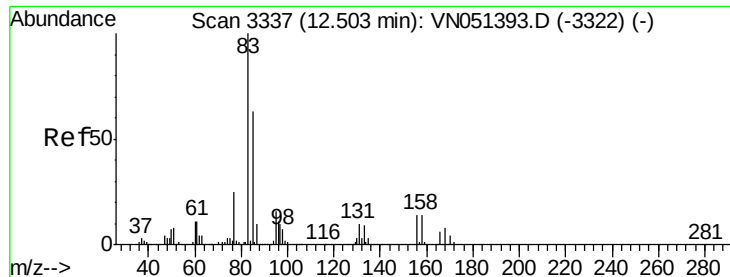
MMDadoda
9/27/2018 3:18:45 PM



#74
N-ethyl acetate
Concen: 18.953 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051565.D
Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.1	35.0	52.4
55	27.6	21.4	32.2
61	23.6	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.072 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

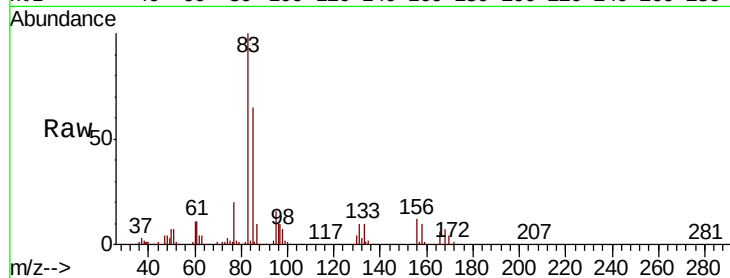
ClientSampled :

VN0927WBS02

Tot Ion:	83	Resp:	123489
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.9
85	65.0	31.6	95.0

Manual Integrations
APPROVED

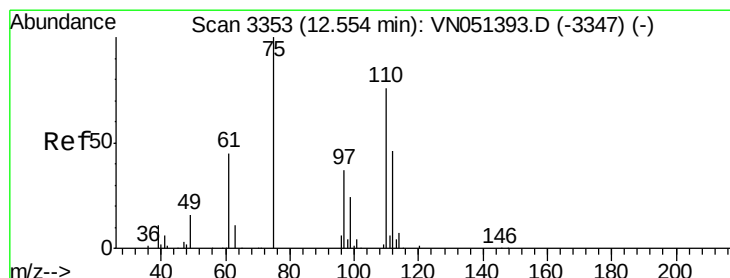
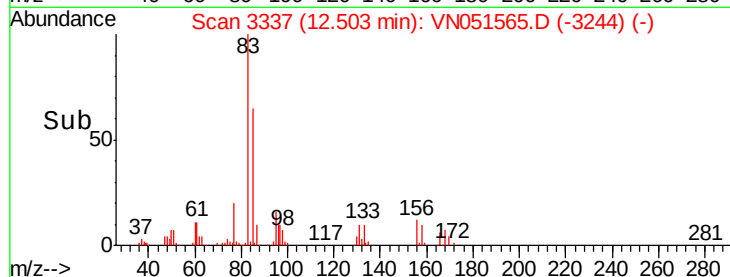
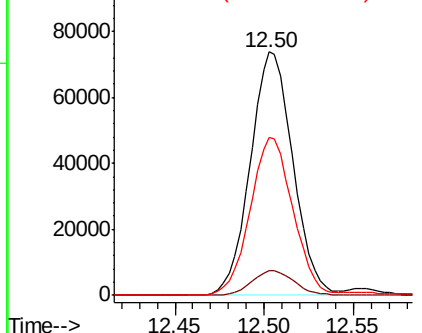
MMDadoda
9/27/2018 3:18:45 PM



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) (-)



#76

1,2,3-Trichloropropane

Concen: 20.857 ug/l m

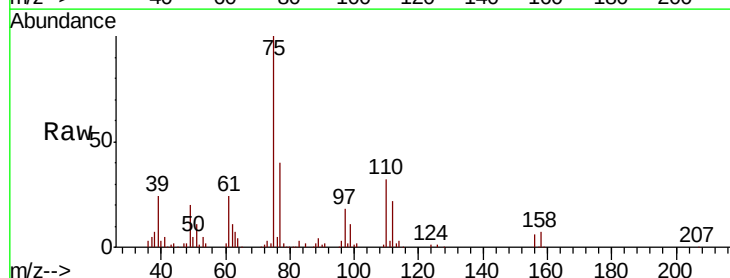
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051565.D

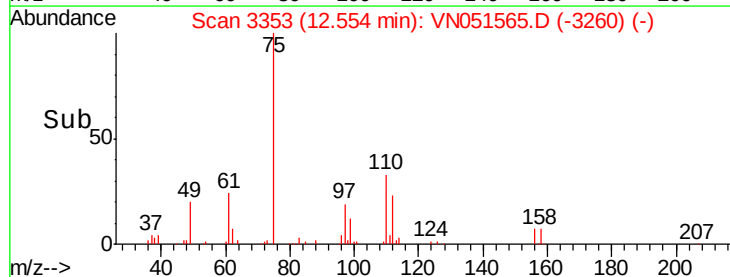
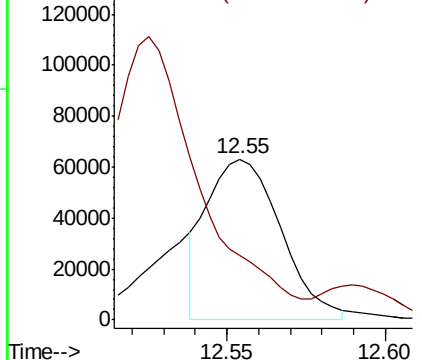
Acq: 27 Sep 2018 5:58

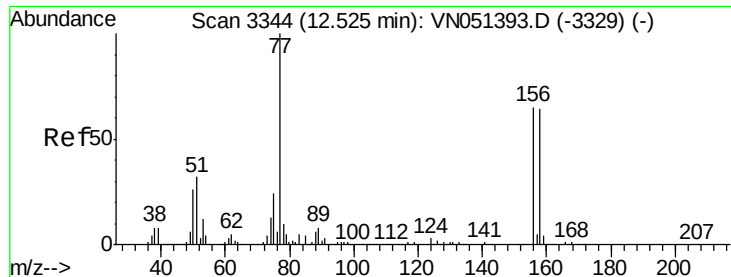
Tgt Ion:	75	Resp:	103129
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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

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





#77

Bromobenzene

Concen: 18.560 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

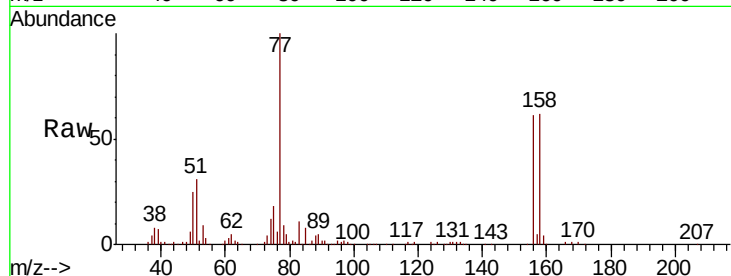
ClientSampleId :

VN0927WBS02

Tot Ion:	156	Resp:	118076
Ion Ratio	Lower	Upper	
156	100		
77	189.3	89.5	268.4
158	98.3	49.4	148.2

Manual Integrations
APPROVED

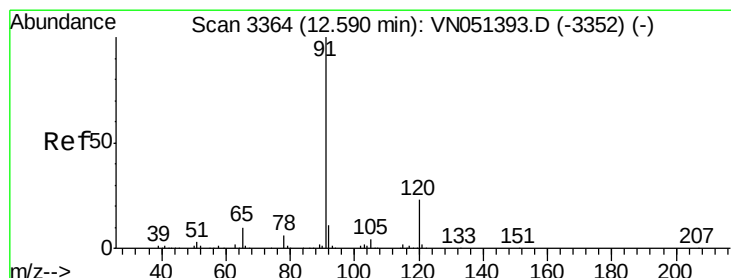
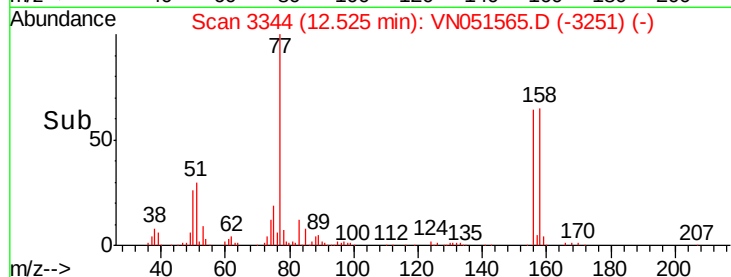
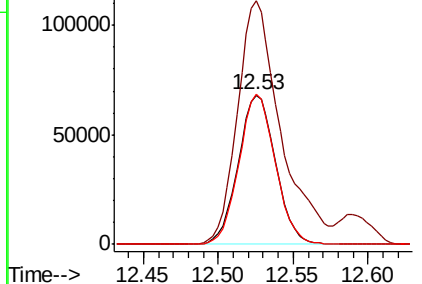
MMDadoda
9/27/2018 3:18:45 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.746 ug/l

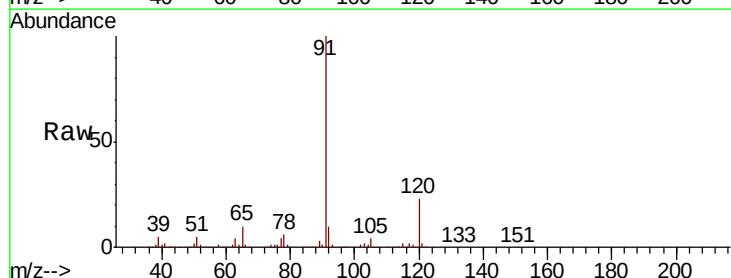
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051565.D

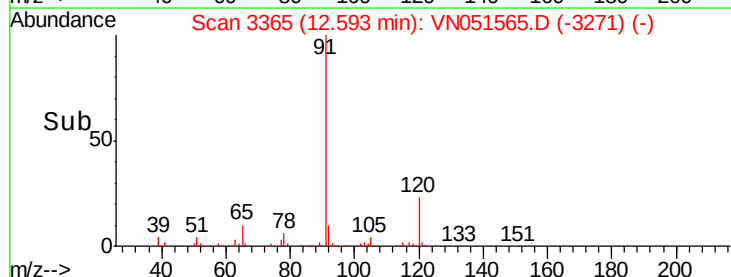
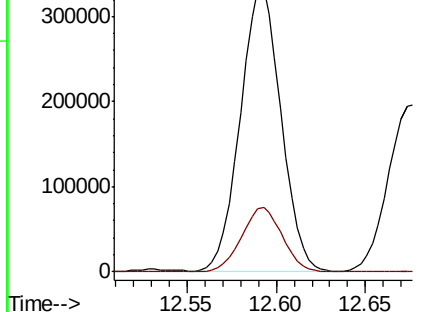
Acq: 27 Sep 2018 5:58

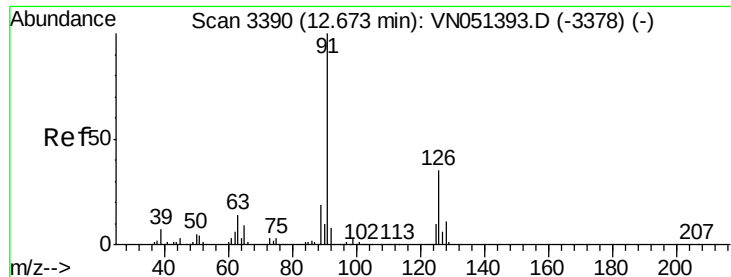
Tgt Ion:	91	Resp:	530955
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.497 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS02

Tot Ion: 91 Resp: 330557

Ion Ratio Lower Upper

91 100

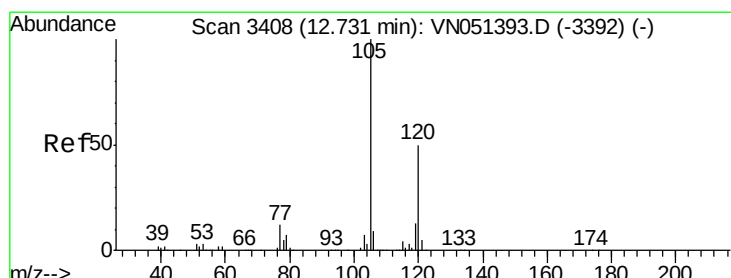
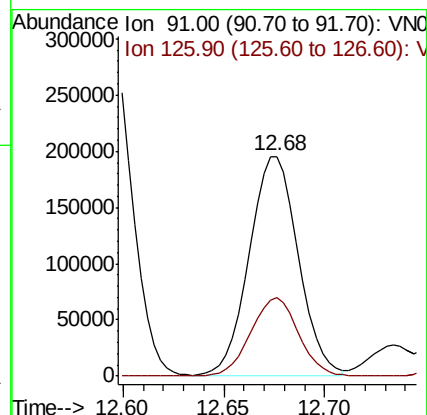
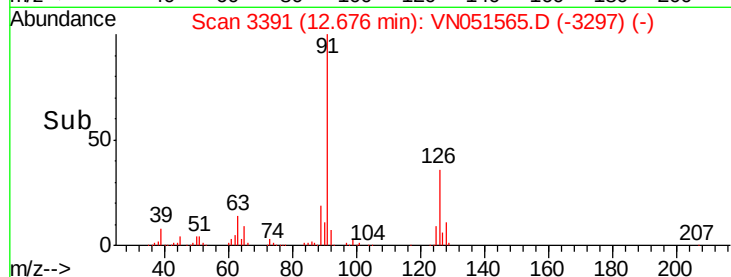
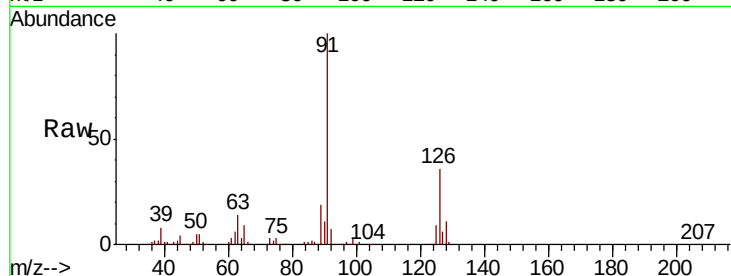
126 35.1 17.6 52.8

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



#80

1,3,5-Trimethylbenzene

Concen: 19.222 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051565.D

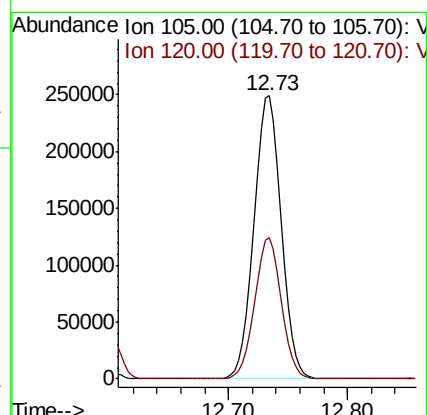
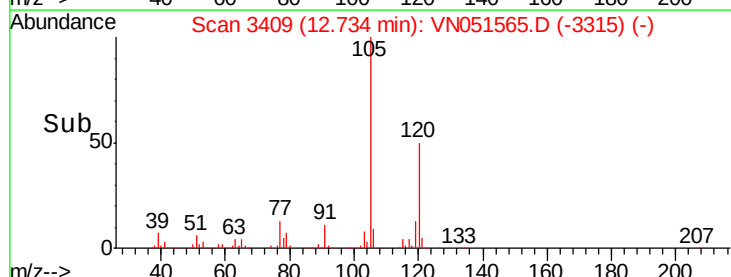
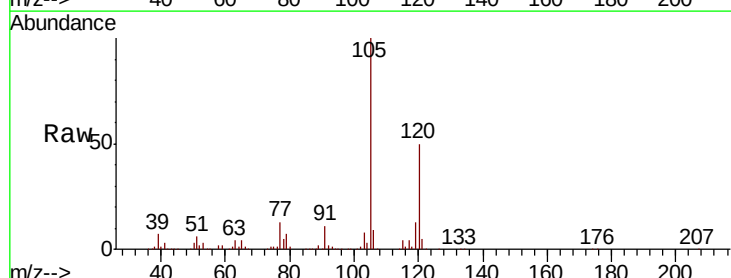
Acq: 27 Sep 2018 5:58

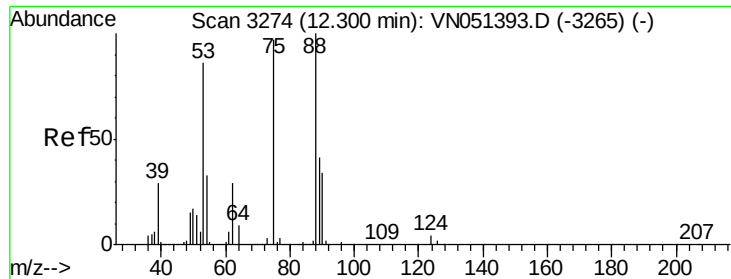
Tgt Ion: 105 Resp: 393894

Ion Ratio Lower Upper

105 100

120 49.0 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.016 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

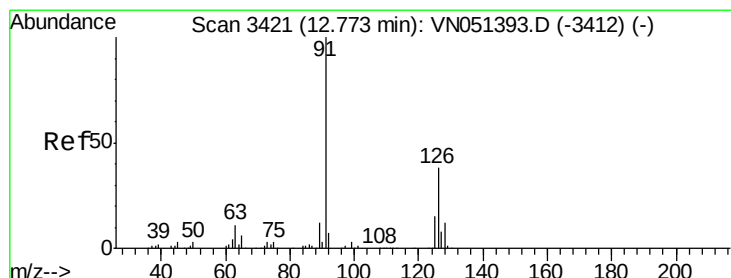
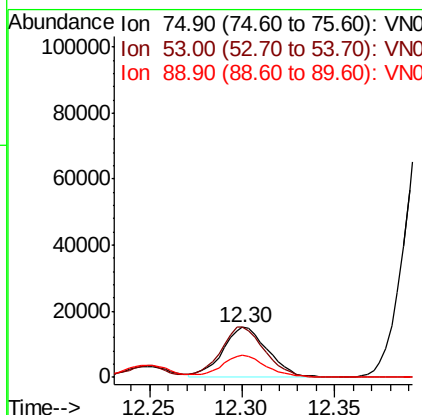
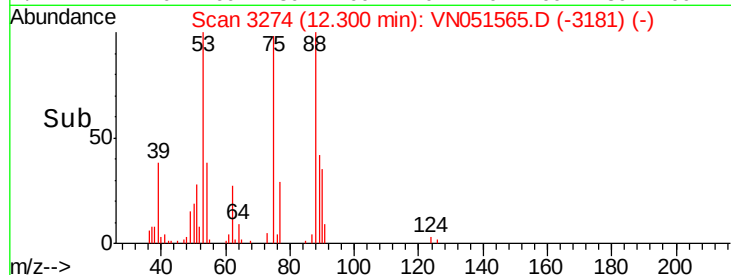
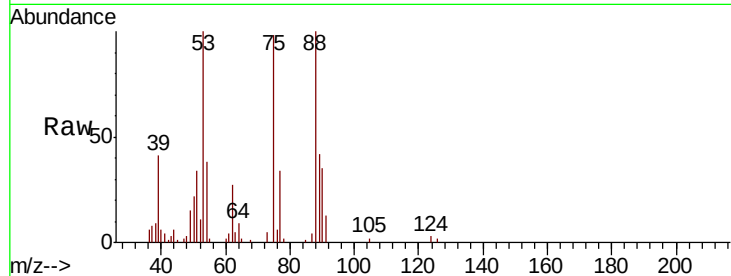
ClientSampleId :

VN0927WBS02

Tot Ion:	75	Resp:	25755
Ion	Ratio	Lower	Upper
75	100		
53	98.8	73.9	110.9
89	43.6	36.7	55.1

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#82

4-Chlorotoluene

Concen: 19.039 ug/l

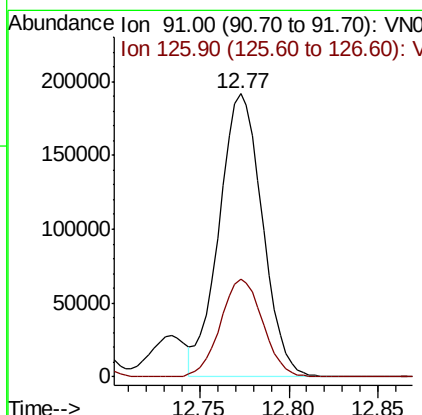
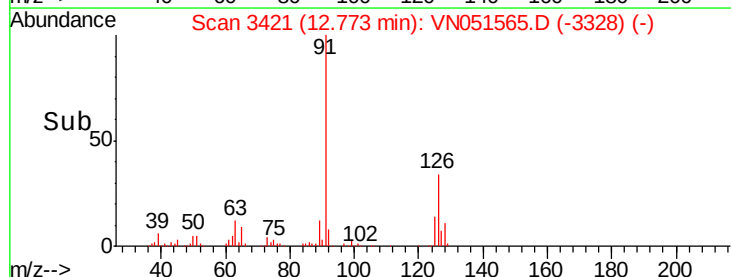
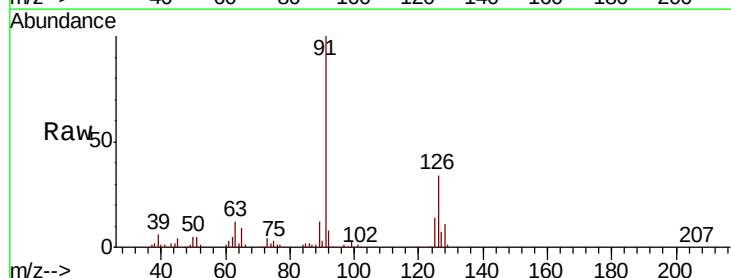
RT: 12.77 min Scan# 3421

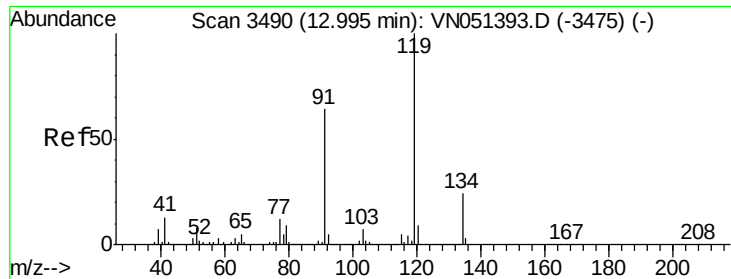
Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Tgt Ion:	91	Resp:	322179
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.5	52.5





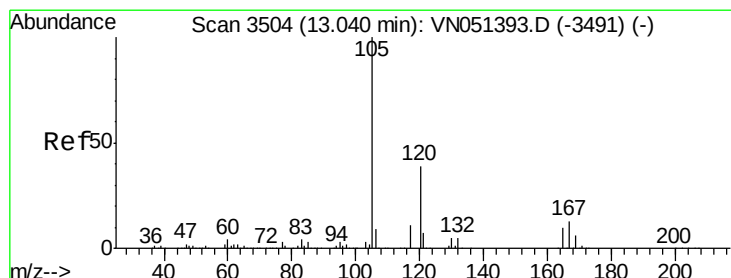
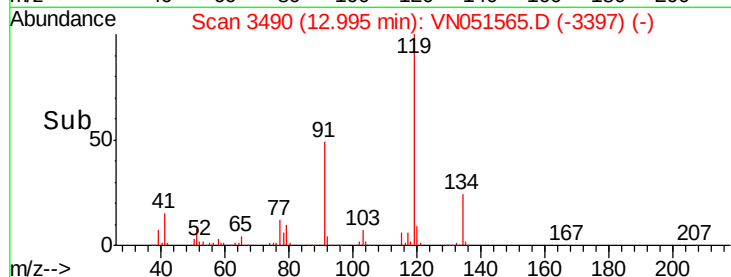
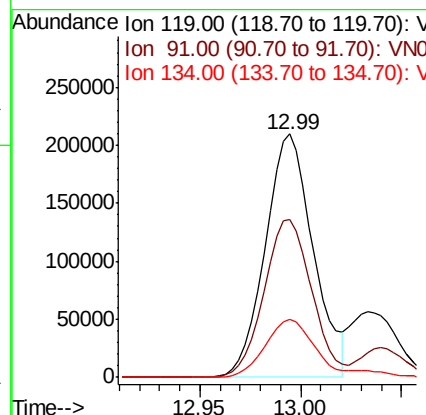
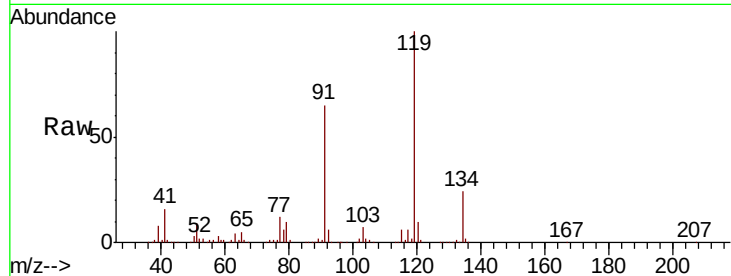
#83
 tert-Butylbenzene
 Concen: 19.010 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	346738		
91	64.9	31.7	95.1	
134	24.2	12.3	36.9	

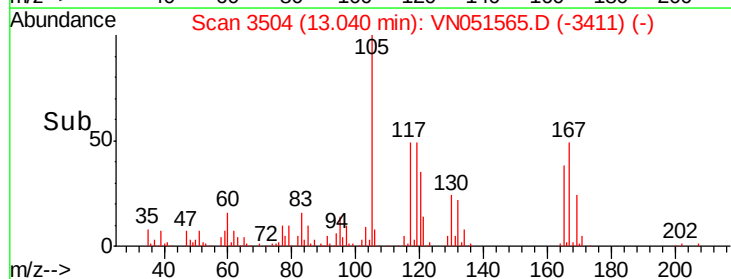
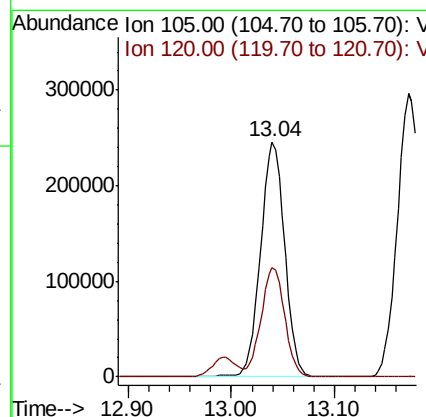
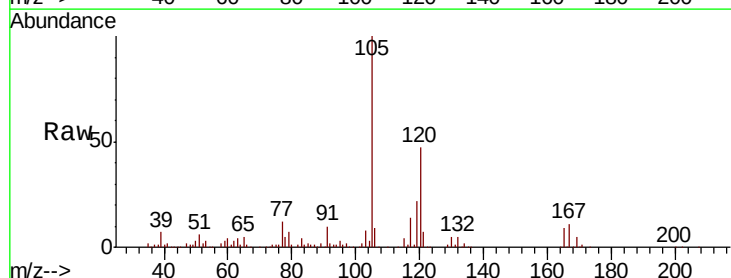
Manual Integrations
 APPROVED

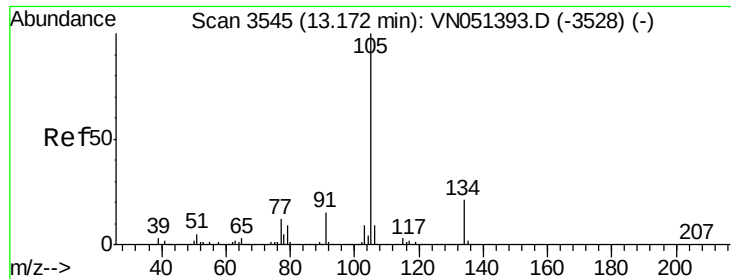
MMDadoda
 9/27/2018 3:18:45 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.318 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	398911		
120	45.7	22.9	68.7	





#85

sec-Butylbenzene

Concen: 18.952 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS02

Tot Ion:105 Resp: 467638

Ion Ratio Lower Upper

105 100

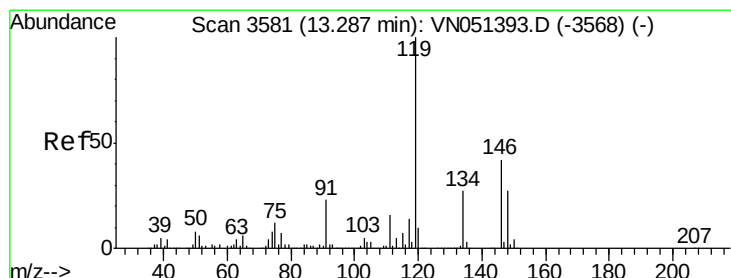
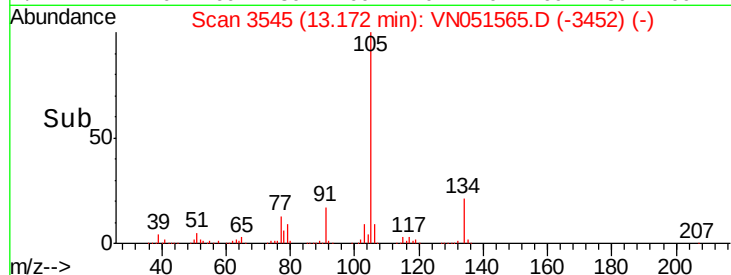
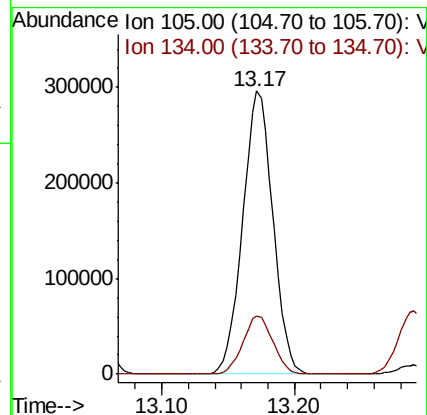
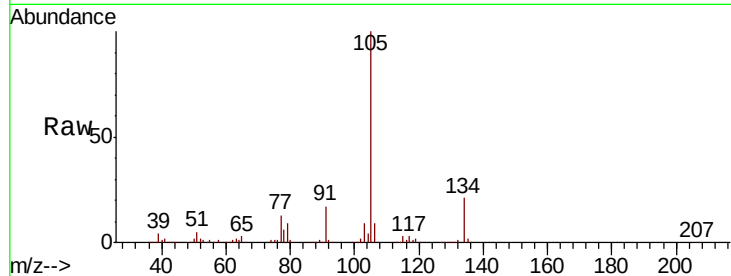
134 20.5 10.4 31.1

Manual Integrations

APPROVED

MMDadoda

9/27/2018 3:18:45 PM



#86

p-Isopropyltoluene

Concen: 18.402 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

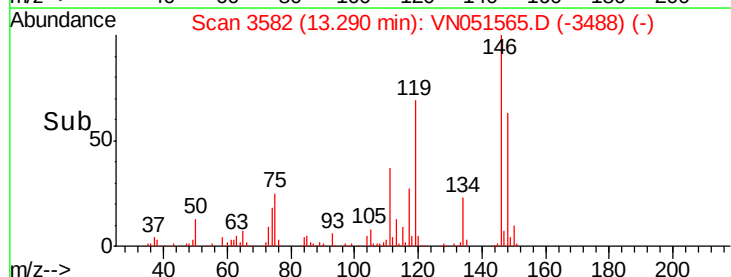
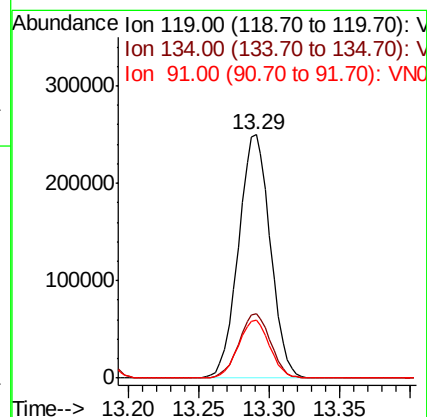
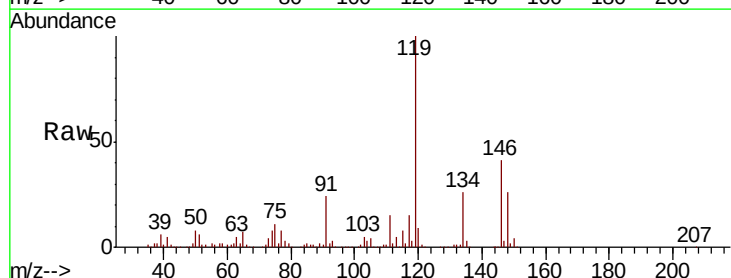
Tgt Ion:119 Resp: 392898

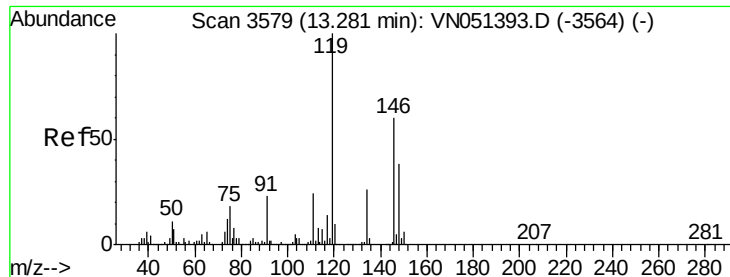
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 23.5 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 18.899 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

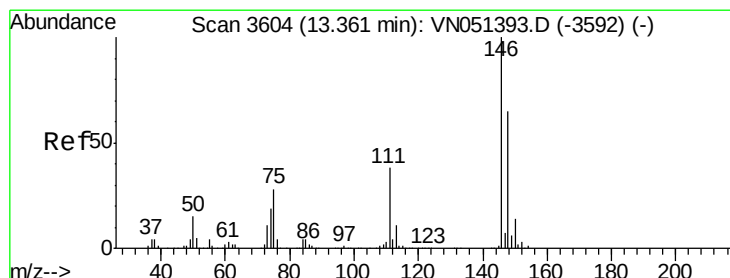
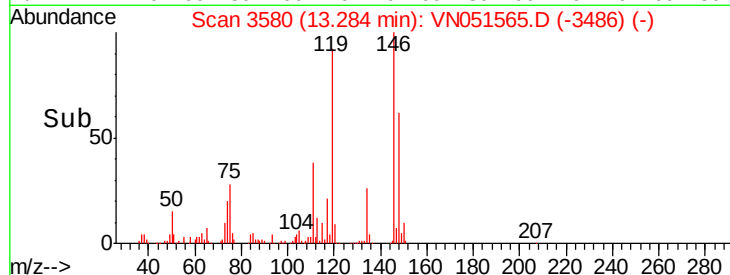
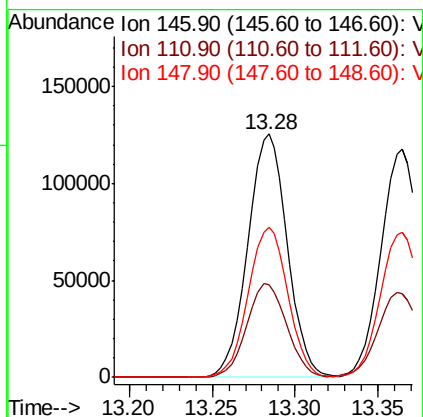
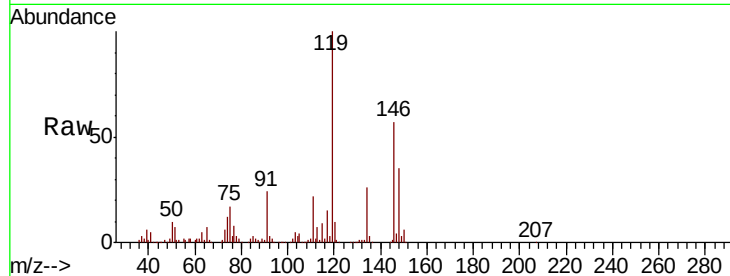
ClientSampleId :

VN0927WBS02

Tot Ion:	146	Resp:	208071
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.7	59.1
148	62.2	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#88

1,4-Dichlorobenzene

Concen: 18.446 ug/l

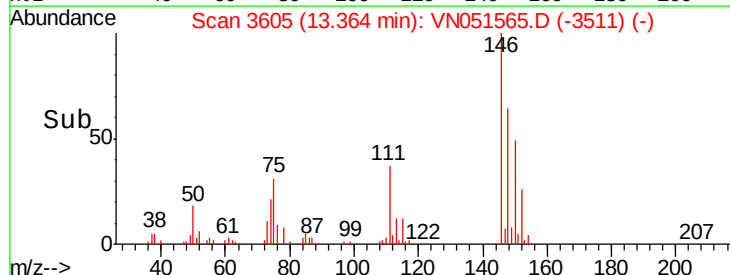
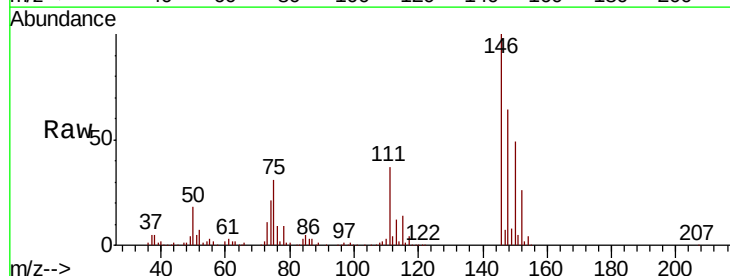
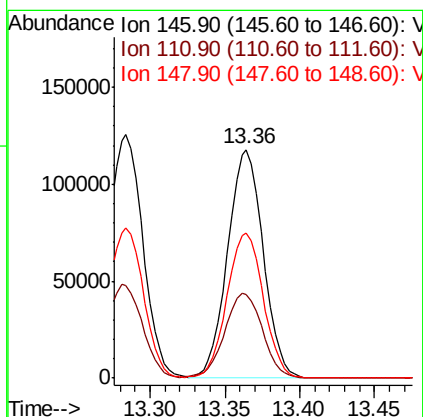
RT: 13.36 min Scan# 3605

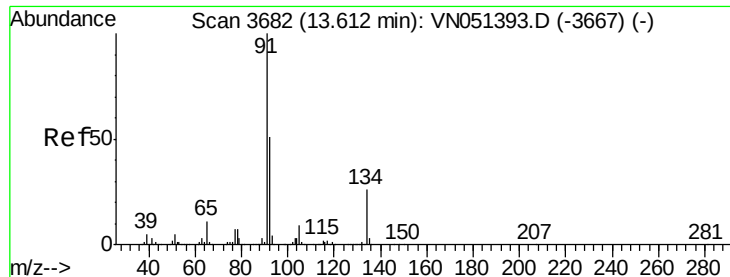
Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Tgt Ion:	146	Resp:	195404
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.1	57.1
148	64.9	32.5	97.5





#89

n-Butylbenzene

Concen: 16.835 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

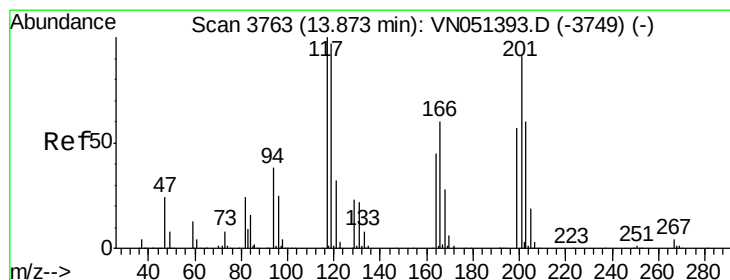
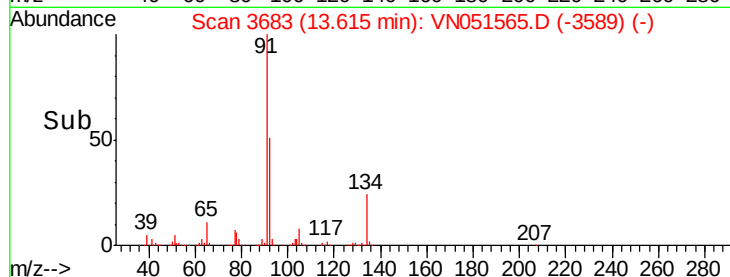
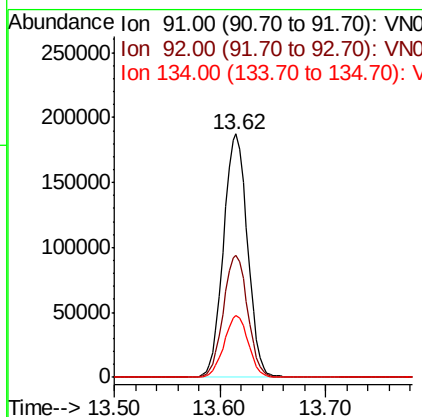
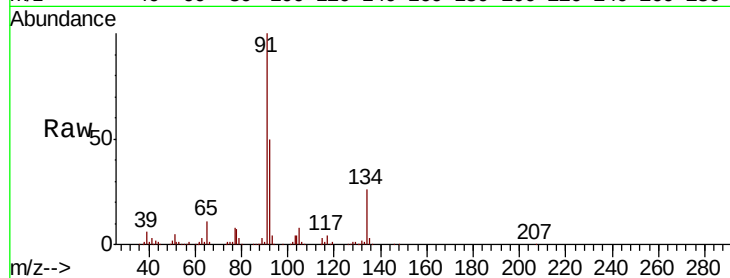
ClientSampleId :

VN0927WBS02

Tot Ion:	91	Resp:	295584
Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.5	76.5
134	25.4	13.3	39.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#90

Hexachloroethane

Concen: 19.248 ug/l

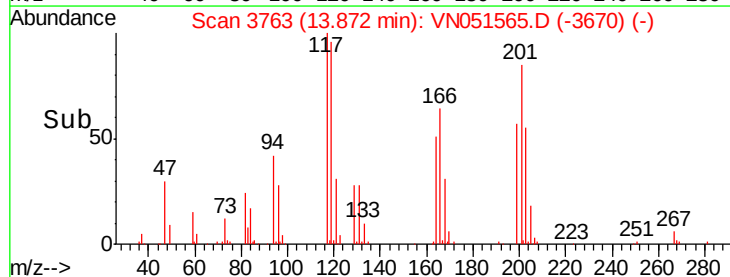
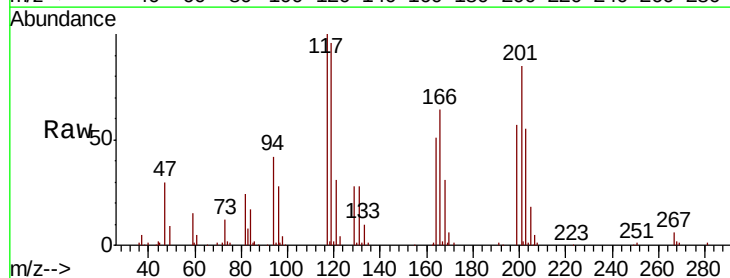
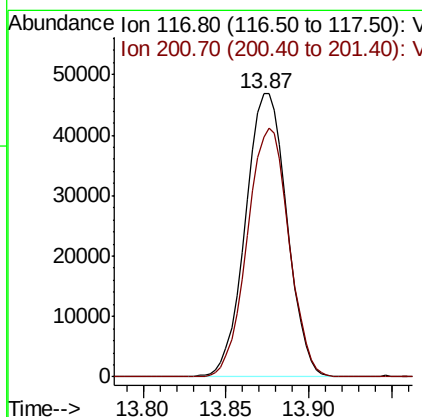
RT: 13.87 min Scan# 3763

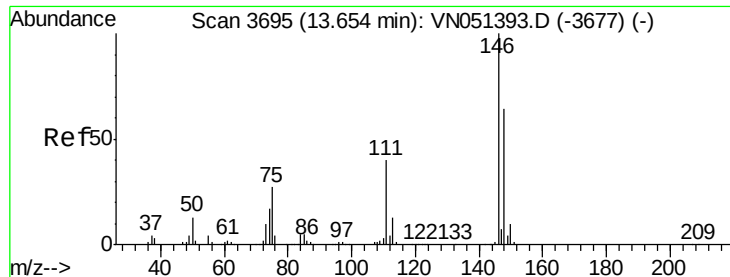
Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Tgt Ion:	117	Resp:	81886
Ion	Ratio	Lower	Upper
117	100		
201	87.7	45.5	136.4





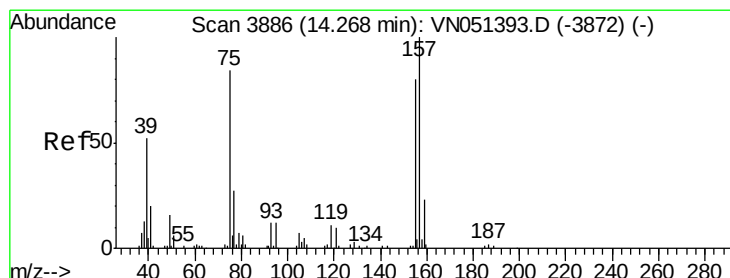
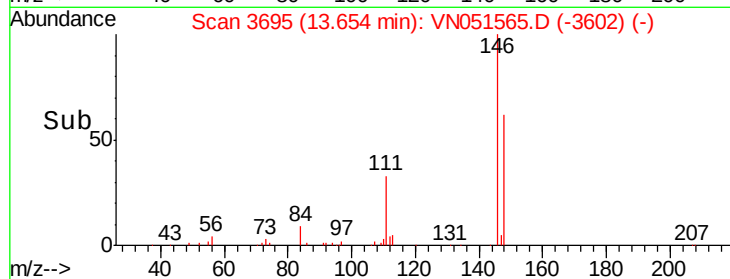
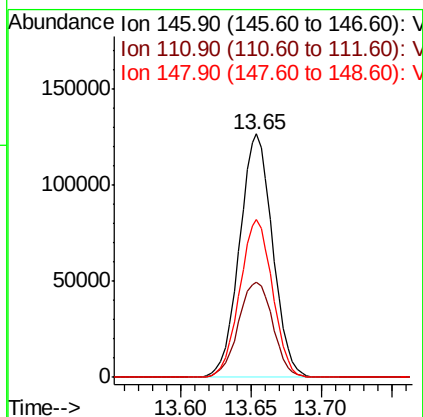
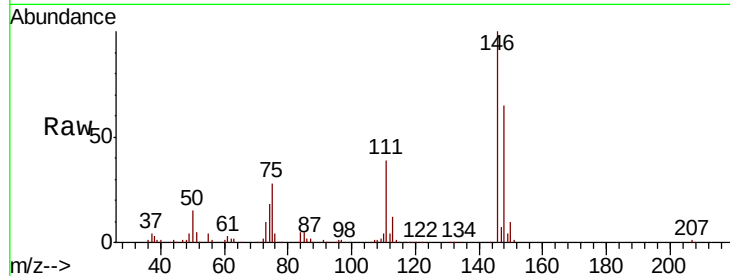
#91
 1,2-Dichlorobenzene
 Concen: 19.463 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	60.0
148	64.3	32.1	96.5

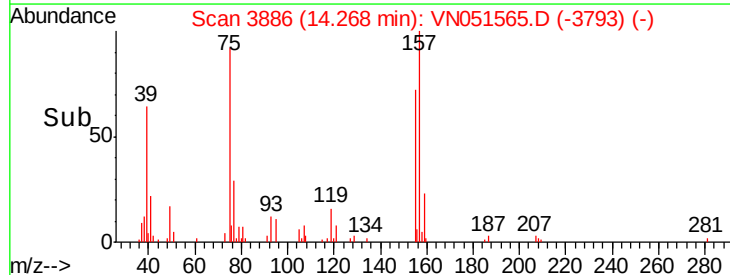
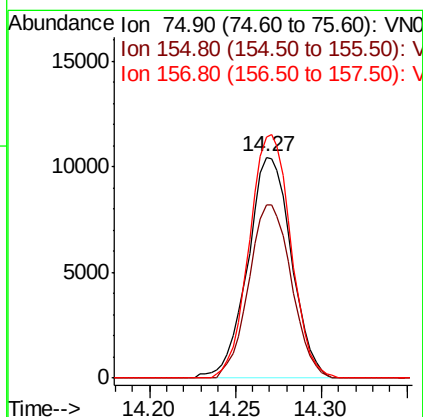
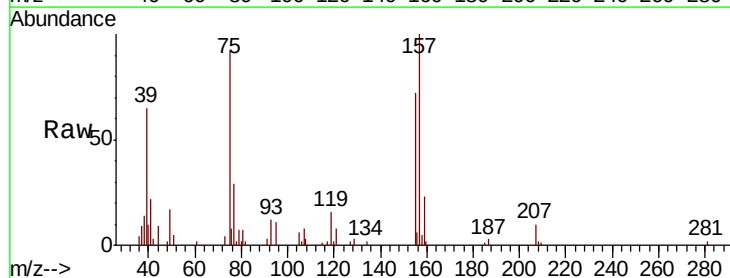
Manual Integrations
 APPROVED

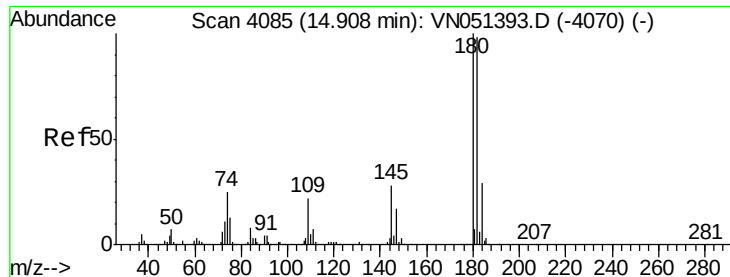
MMDadoda
 9/27/2018 3:18:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.955 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	46.9	140.6
157	105.1	58.4	175.1





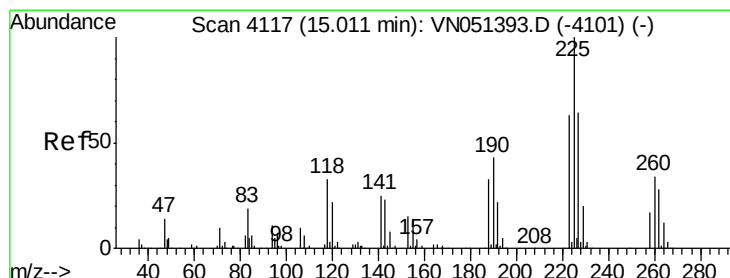
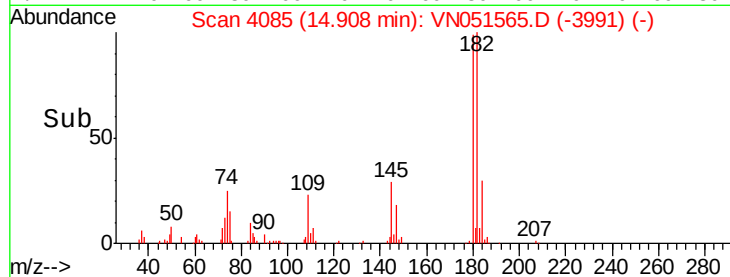
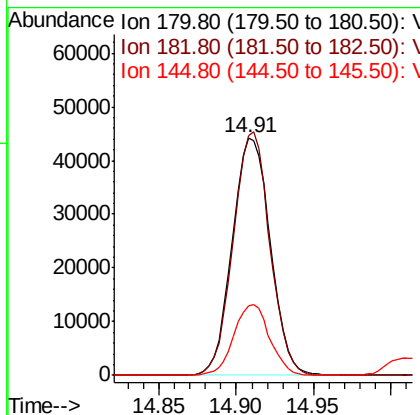
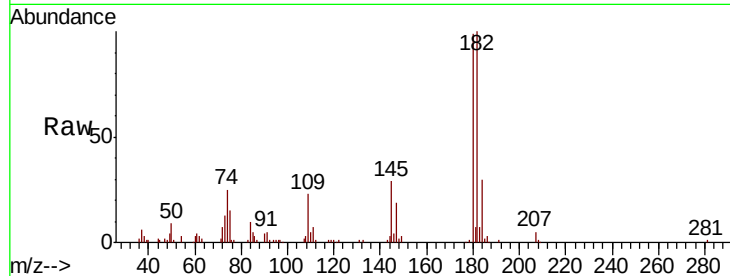
#93
 1,2,4-Trichlorobenzene
 Concen: 17.536 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	75581		
182	98.3	48.5	145.6	
145	28.0	14.1	42.4	

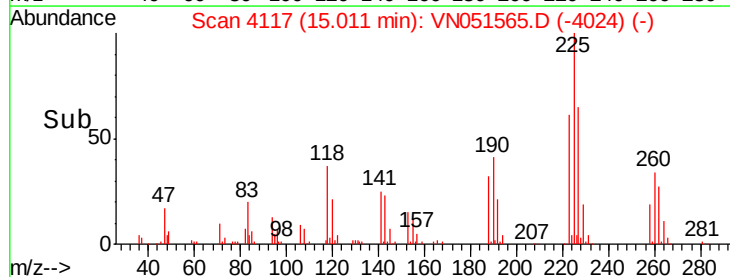
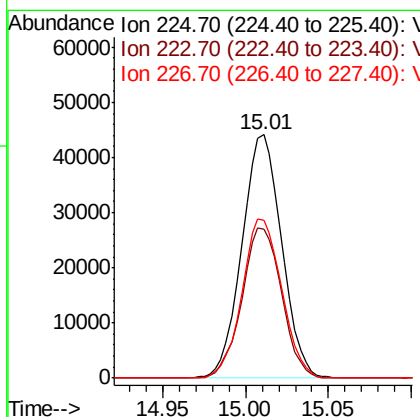
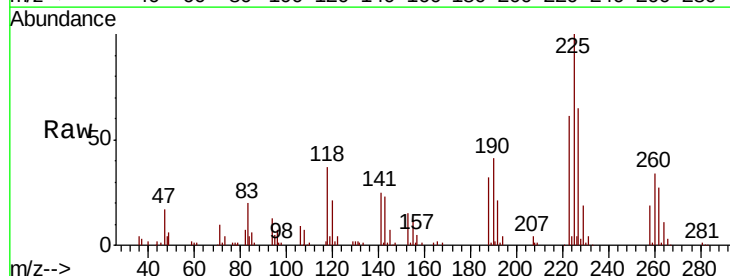
Manual Integrations
 APPROVED

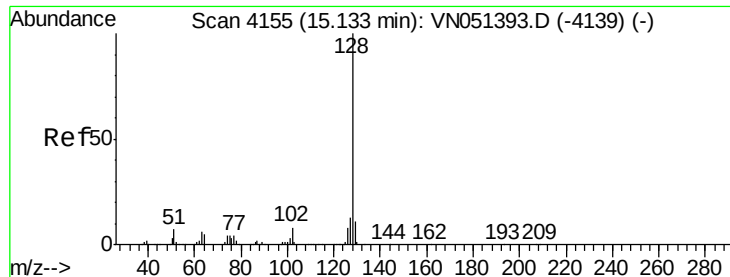
MMDadoda
 9/27/2018 3:18:45 PM



#94
 Hexachlorobutadiene
 Concen: 18.214 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051565.D
 Acq: 27 Sep 2018 5:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73615		
223	61.6	31.9	95.9	
227	65.2	32.5	97.5	





#95

Naphthalene

Concen: 17.974 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Instrument :

MSVOA_N

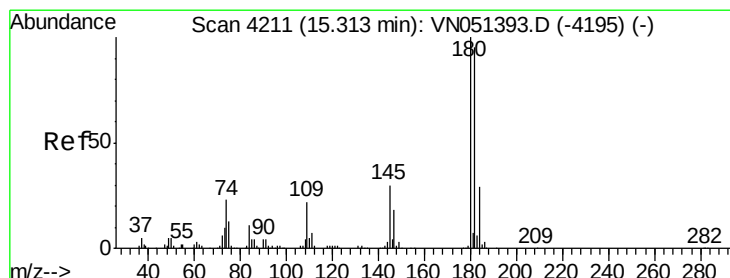
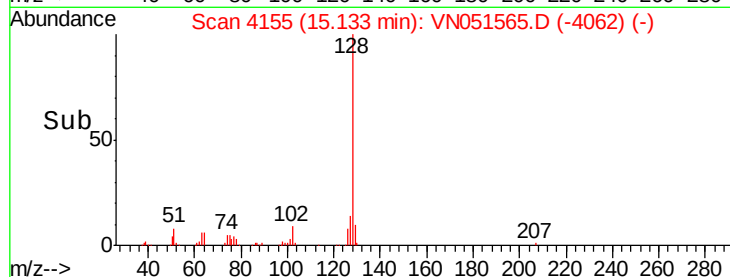
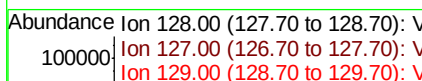
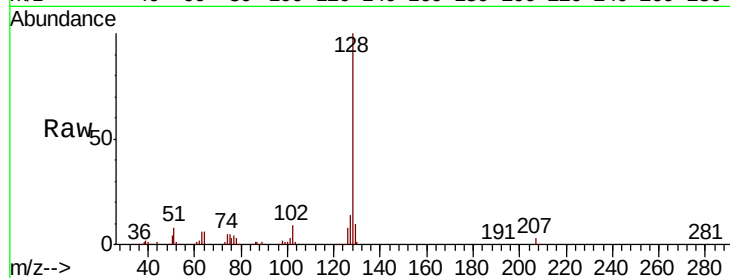
ClientSampleId :

VN0927WBS02

Tot Ion:	128	Resp:	131056
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.5	15.7
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/27/2018 3:18:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.040 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051565.D

Acq: 27 Sep 2018 5:58

Tgt Ion:	180	Resp:	82229
Ion Ratio	Lower	Upper	
180	100		
182	97.4	47.2	141.6
145	29.6	14.6	43.8

