

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055821.D
 Acq On : 25 May 2019 2:34
 Operator : JC/SP
 Sample : VN0524WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

Quant Time: May 25 04:33:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	361579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	520084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	188152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	187235	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	7.59	113	168114	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.09	98	633599	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
62) 4-Bromofluorobenzene	12.40	95	207102	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	42879	17.621	ug/l	99
3) Chloromethane	2.06	50	61224	17.957	ug/l	100
4) Vinyl Chloride	2.18	62	68976	18.967	ug/l	99
5) Bromomethane	2.54	94	48489	21.313	ug/l	99
6) Chloroethane	2.69	64	43670	19.946	ug/l	97
7) Trichlorofluoromethane	3.01	101	92225	19.344	ug/l	99
8) Diethyl Ether	3.41	74	42103	19.703	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55157	18.533	ug/l	98
10) Methyl Iodide	3.94	142	88040	20.234	ug/l	100
11) Tert butyl alcohol	4.81	59	68895	96.564	ug/l	100
12) 1,1-Dichloroethene	3.72	96	58206	18.928	ug/l	95
13) Acrolein	3.60	56	36698	71.835	ug/l	96
14) Allyl chloride	4.31	41	92013	17.454	ug/l	100
15) Acrylonitrile	4.99	53	155773	95.082	ug/l	99
16) Acetone	3.82	43	127227	77.510	ug/l	99
17) Carbon Disulfide	4.04	76	144841	16.578	ug/l	100
18) Methyl Acetate	4.33	43	66861	19.259	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	196853	19.194	ug/l	99
20) Methylene Chloride	4.54	84	68735	19.336	ug/l	93
21) trans-1,2-Dichloroethene	5.03	96	61948	18.751	ug/l	97
22) Diisopropyl ether	5.96	45	194443	18.964	ug/l	99
23) Vinyl Acetate	5.90	43	799263	90.919	ug/l	100
24) 1,1-Dichloroethane	5.84	63	113108	18.947	ug/l	100
25) 2-Butanone	6.84	43	201791	88.027	ug/l	99
26) 2,2-Dichloropropane	6.82	77	61623	11.927	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	74629	19.362	ug/l	96
28) Bromochloromethane	7.19	49	57936	20.384	ug/l	95
29) Tetrahydrofuran	7.22	42	136919	94.316	ug/l	98
30) Chloroform	7.37	83	115695	19.433	ug/l	98
31) Cyclohexane	7.65	56	102894	18.358	ug/l #	92
32) 1,1,1-Trichloroethane	7.57	97	101420	19.090	ug/l	99
36) 1,1-Dichloropropene	7.79	75	83604	18.446	ug/l	99
37) Ethyl Acetate	6.93	43	84028	19.182	ug/l	99
38) Carbon Tetrachloride	7.77	117	88587	18.764	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055821.D
 Acq On : 25 May 2019 2:34
 Operator : JC/SP
 Sample : VN0524WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

Quant Time: May 25 04:33:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	99310	17.695	ug/l	99
40) Benzene	8.04	78	264853	19.390	ug/l	100
41) Methacrylonitrile	7.17	41	41577	18.787	ug/l	99
42) 1,2-Dichloroethane	8.12	62	88773	19.889	ug/l	99
43) Isopropyl Acetate	8.17	43	135281	18.381	ug/l	99
44) Trichloroethene	8.83	130	76486	20.085	ug/l	98
45) 1,2-Dichloropropane	9.12	63	69805	19.614	ug/l	99
46) Dibromomethane	9.21	93	46048	19.729	ug/l	97
47) Bromodichloromethane	9.40	83	90815	18.976	ug/l	100
48) Methyl methacrylate	9.20	41	65954	19.444	ug/l	97
49) 1,4-Dioxane	9.21	88	28157	399.451	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	413707	95.175	ug/l	100
52) Toluene	10.16	92	170127	19.803	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	87369	17.103	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	97857	17.291	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	67940	19.741	ug/l	99
56) Ethyl methacrylate	10.43	69	101110	19.010	ug/l	99
57) 1,3-Dichloropropane	10.71	76	110719	19.792	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	180103	88.604	ug/l	99
59) 2-Hexanone	10.75	43	280451	90.947	ug/l	100
60) Dibromochloromethane	10.90	129	74585	18.603	ug/l	98
61) 1,2-Dibromoethane	11.00	107	71178	19.939	ug/l	100
64) Tetrachloroethene	10.63	164	82665	21.452	ug/l	99
65) Chlorobenzene	11.43	112	180793	19.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	71606	19.630	ug/l	99
67) Ethyl Benzene	11.51	91	318120	19.395	ug/l	99
68) m/p-Xylenes	11.62	106	242239	39.066	ug/l	99
69) o-Xylene	11.95	106	121439	19.740	ug/l	99
70) Styrene	11.96	104	192938	19.367	ug/l	100
71) Bromoform	12.13	173	56442	18.140	ug/l #	100
73) Isopropylbenzene	12.25	105	315445	22.080	ug/l	99
74) N-amyl acetate	12.07	43	105994	19.409	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	92591	21.468	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	106782	31.814	ug/l #	100
77) Bromobenzene	12.53	156	83948	20.909	ug/l	94
78) n-propylbenzene	12.59	91	319557	19.541	ug/l	99
79) 2-Chlorotoluene	12.67	91	203297	21.634	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	257791	21.420	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21084	15.077	ug/l	94
82) 4-Chlorotoluene	12.77	91	187272	19.482	ug/l	100
83) tert-Butylbenzene	12.99	119	229961	21.915	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	253714	21.210	ug/l	99
85) sec-Butylbenzene	13.17	105	281343	20.835	ug/l	99
86) p-Isopropyltoluene	13.29	119	255019	19.517	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126026	19.823	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	117609	19.458	ug/l	99
89) n-Butylbenzene	13.61	91	175689	17.549	ug/l	100
90) Hexachloroethane	13.87	117	45312	18.219	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	128464	20.254	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14653	17.576	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055821.D
Acq On : 25 May 2019 2:34
Operator : JC/SP
Sample : VN0524WBS03
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Quant Time: May 25 04:33:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

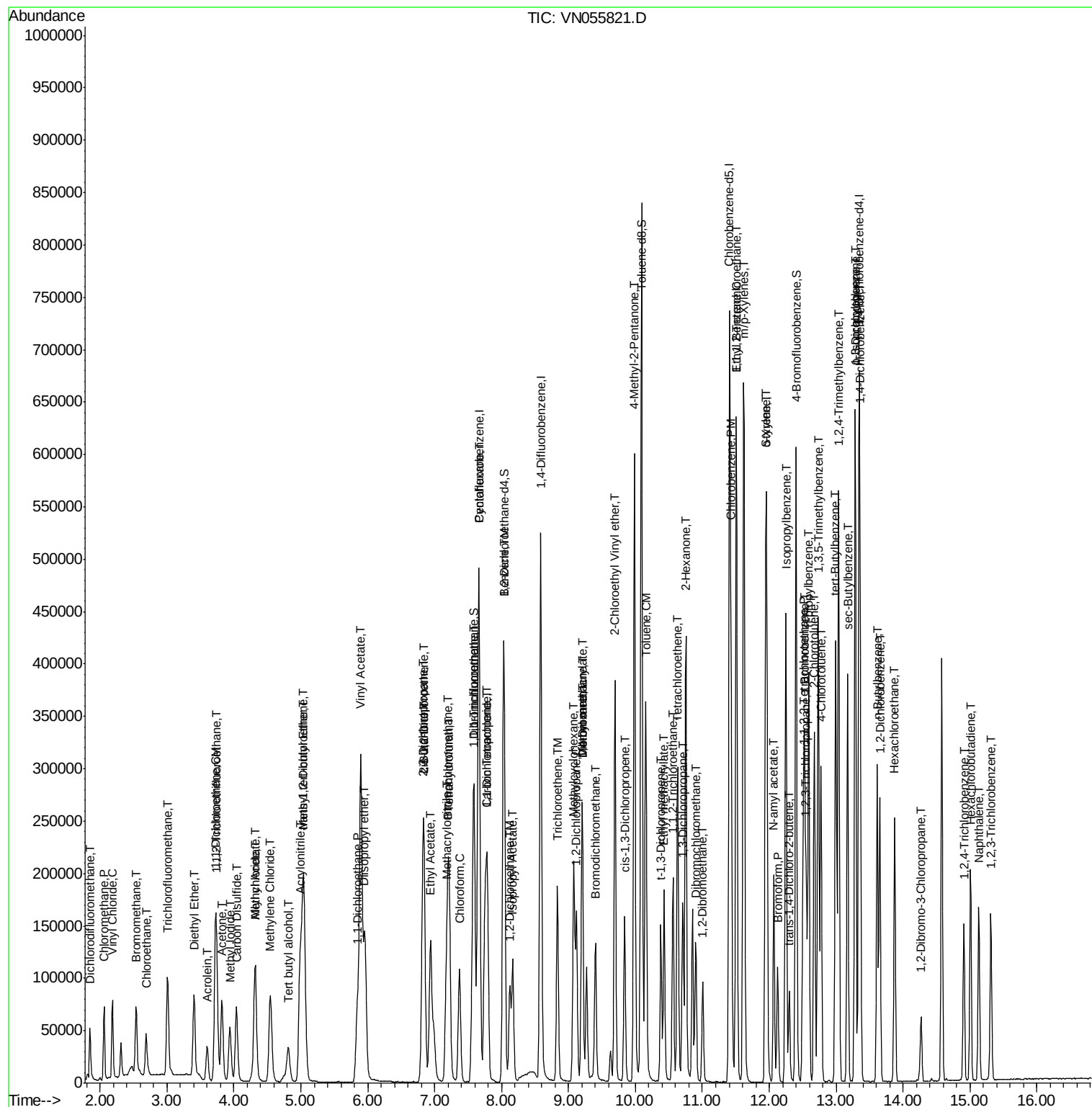
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	54569	17.502	ug/l	99
94) Hexachlorobutadiene	15.01	225	46216	19.593	ug/l	98
95) Naphthalene	15.13	128	152075	17.472	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	62154	18.538	ug/l	99

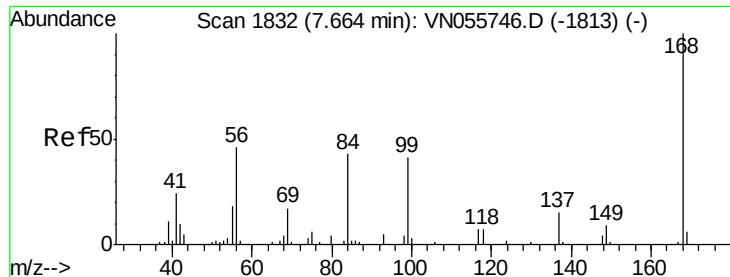
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055821.D
 Acq On : 25 May 2019 2:34
 Operator : JC/SP
 Sample : VN0524WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

Quant Time: May 25 04:33:51 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

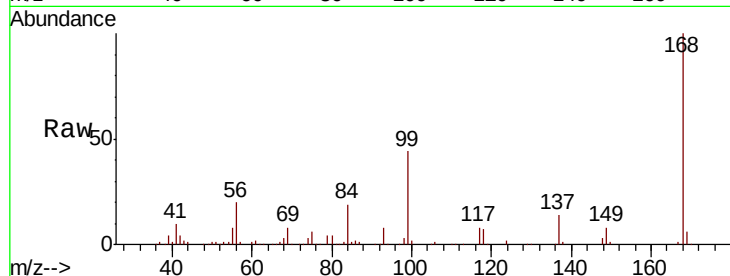
VN0524WBS03

Tot Ion:168 Resp: 361579

Ion Ratio Lower Upper

168 100

99 43.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

150000

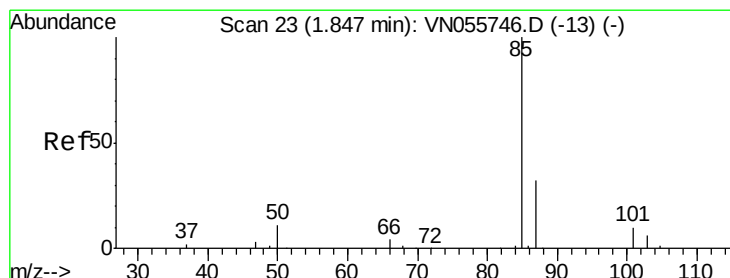
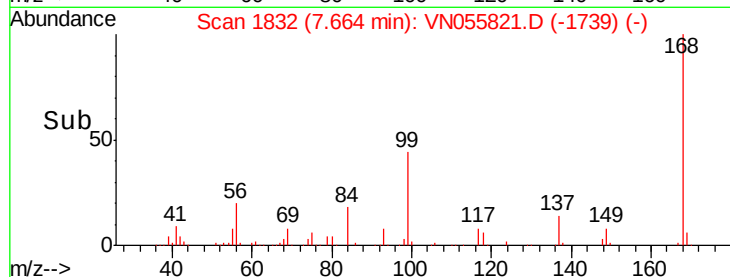
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.621 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055821.D

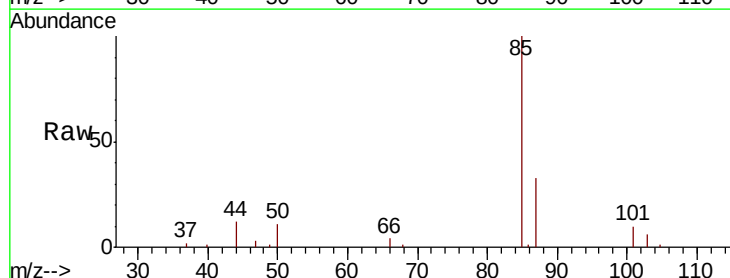
Acq: 25 May 2019 2:34

Tgt Ion: 85 Resp: 42879

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

30000

25000

20000

15000

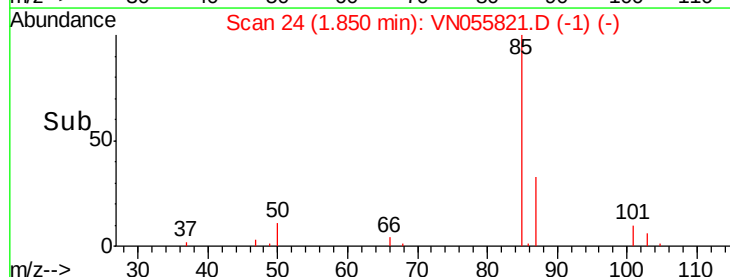
10000

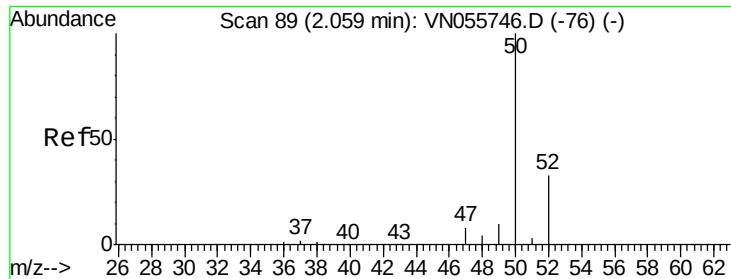
5000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.957 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

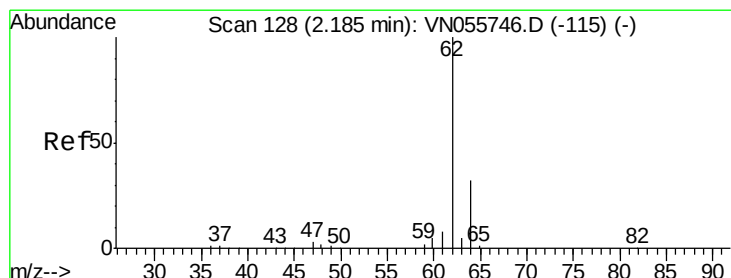
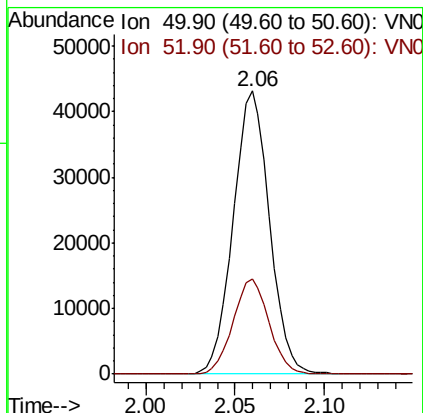
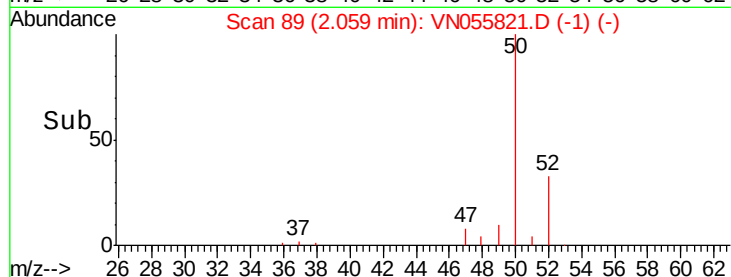
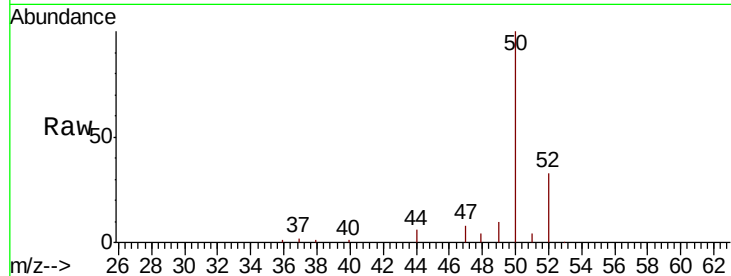
VN0524WBS03

Tot Ion: 50 Resp: 61224

Ion Ratio Lower Upper

50 100

52 33.5 26.6 40.0



#4

Vinyl Chloride

Concen: 18.967 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055821.D

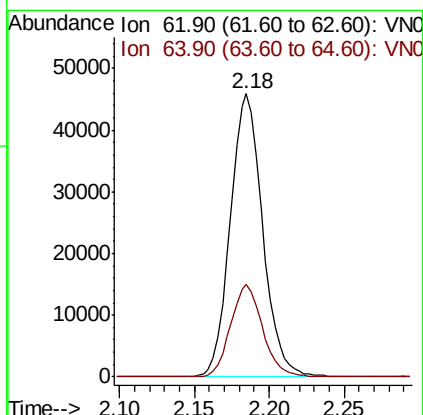
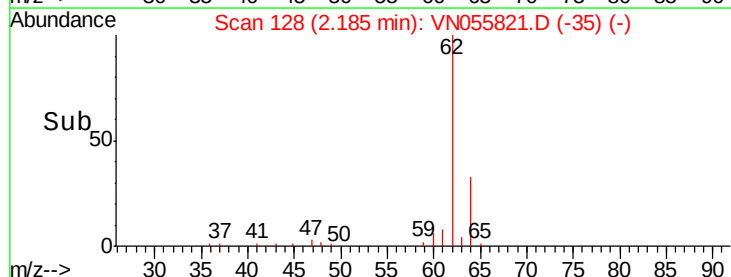
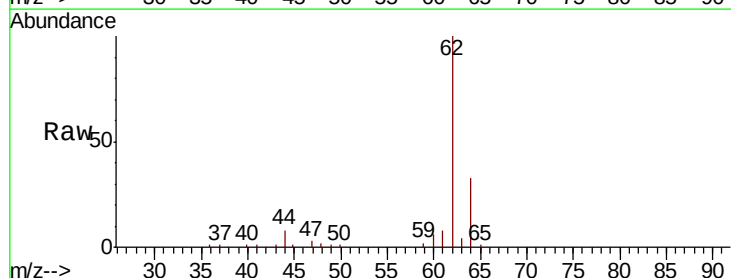
Acq: 25 May 2019 2:34

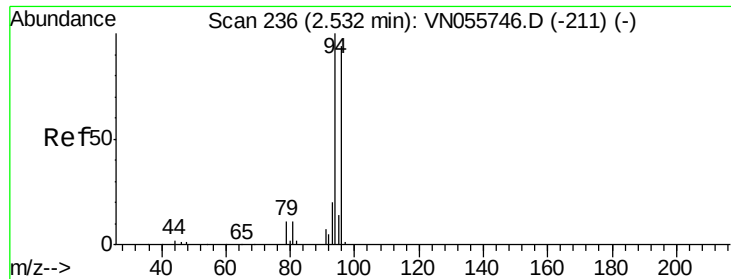
Tgt Ion: 62 Resp: 68976

Ion Ratio Lower Upper

62 100

64 32.5 25.6 38.4





#5

Bromomethane

Concen: 21.313 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

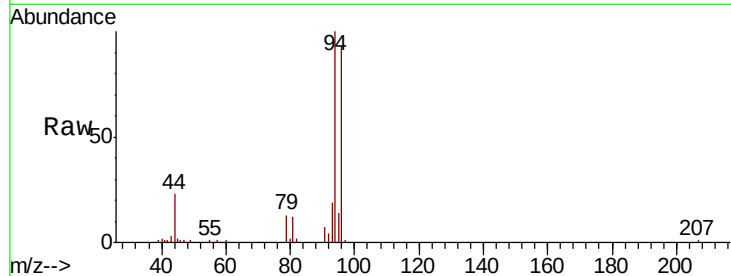
VN0524WBS03

Tot Ion: 94 Resp: 48489

Ion Ratio Lower Upper

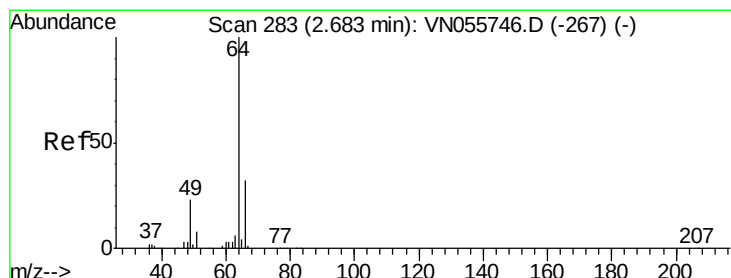
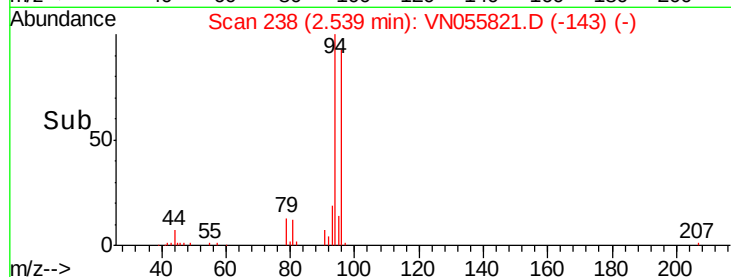
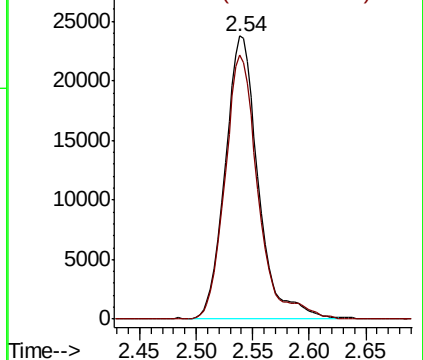
94 100

96 93.1 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.946 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN055821.D

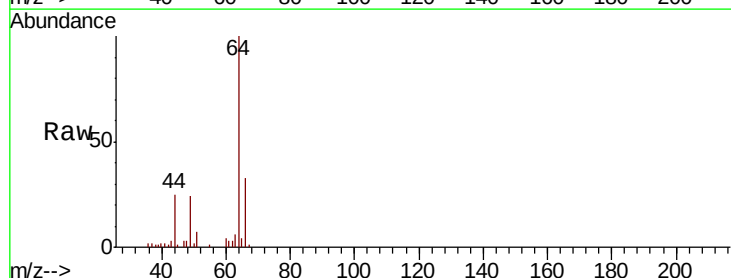
Acq: 25 May 2019 2:34

Tgt Ion: 64 Resp: 43670

Ion Ratio Lower Upper

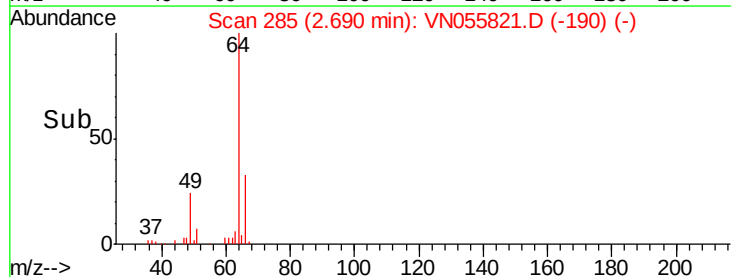
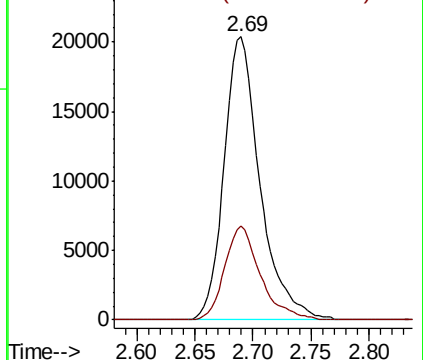
64 100

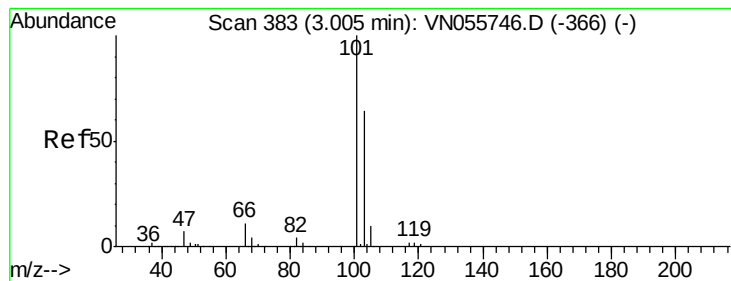
66 33.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



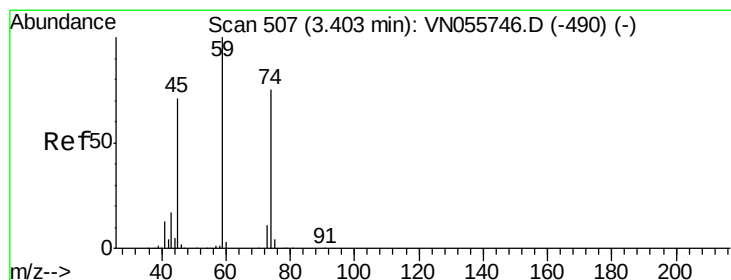
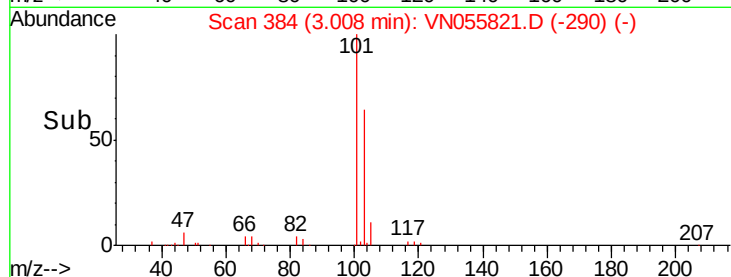
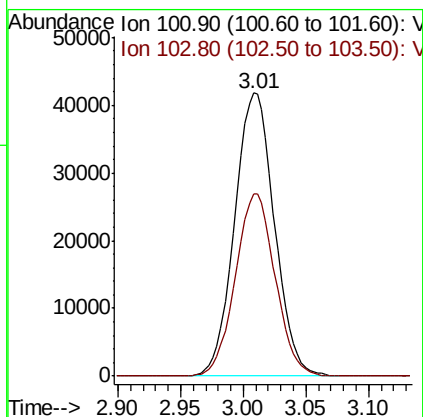
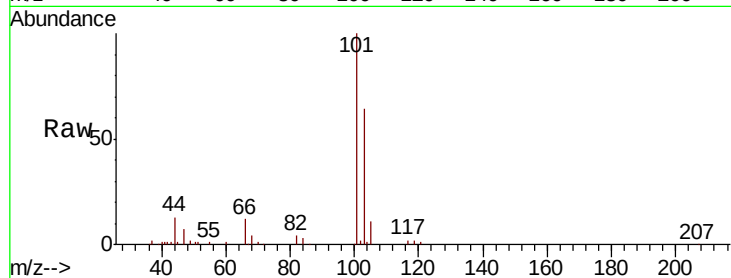


#7

Trichlorofluoromethane
 Concen: 19.344 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

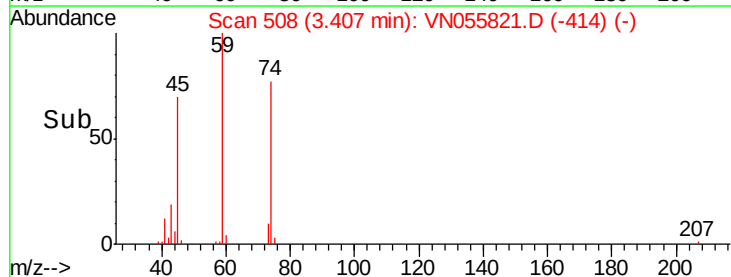
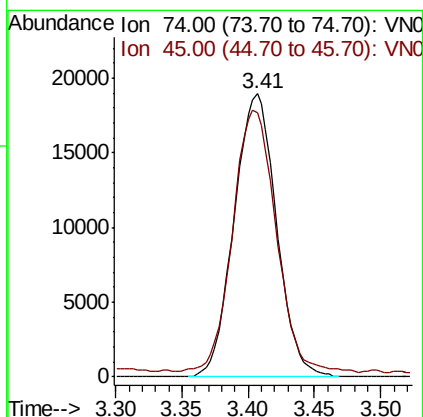
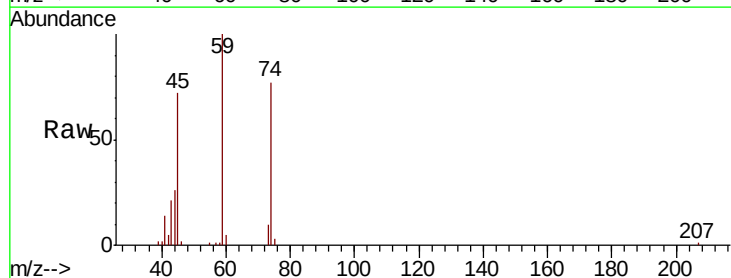
Tot Ion:101 Resp: 92225
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.2 76.8

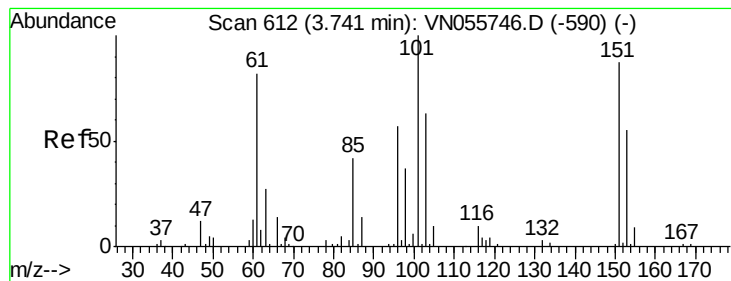


#8

Diethyl Ether
 Concen: 19.703 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion: 74 Resp: 42103
 Ion Ratio Lower Upper
 74 100
 45 94.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.533 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

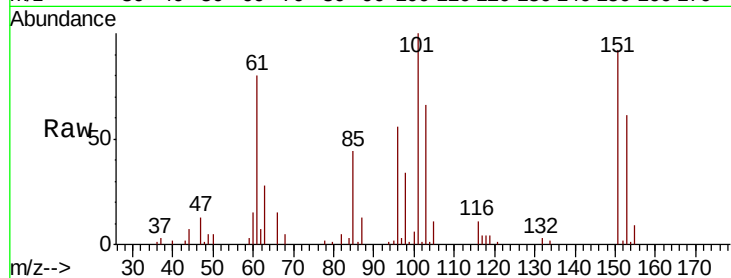
Tot Ion:101 Resp: 55157

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.2

151 89.1 69.4 104.2

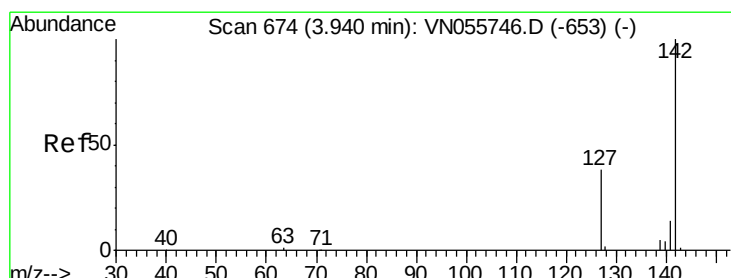
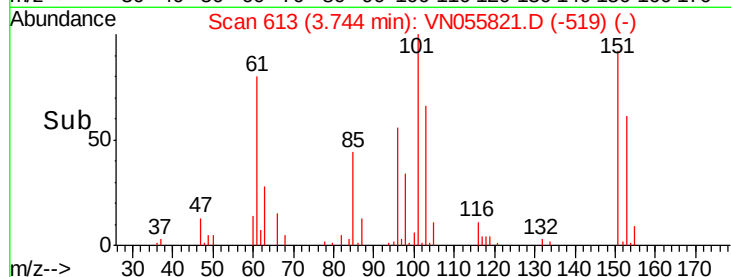
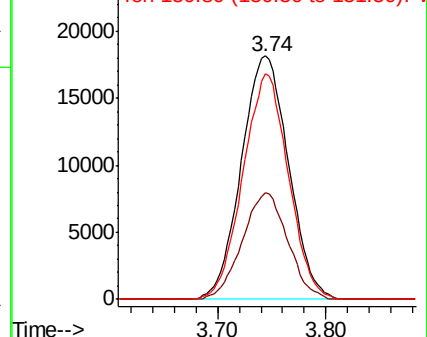


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.234 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

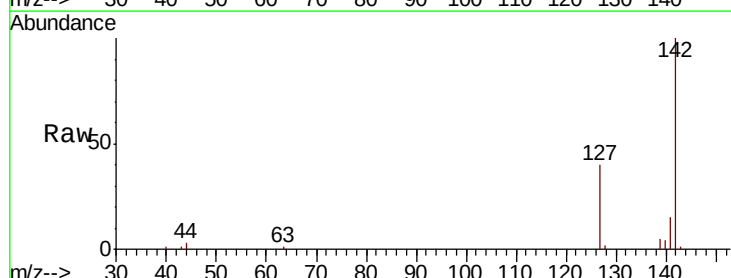
Tgt Ion:142 Resp: 88040

Ion Ratio Lower Upper

142 100

127 38.8 31.0 46.4

141 14.1 11.4 17.0

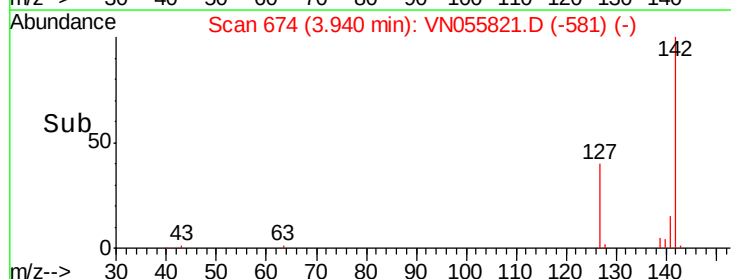
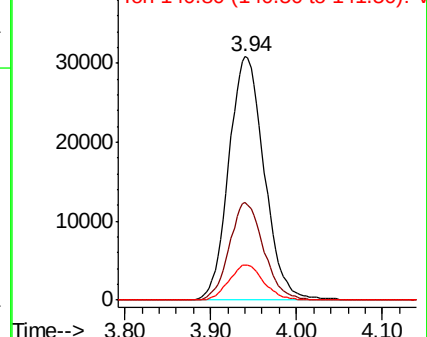


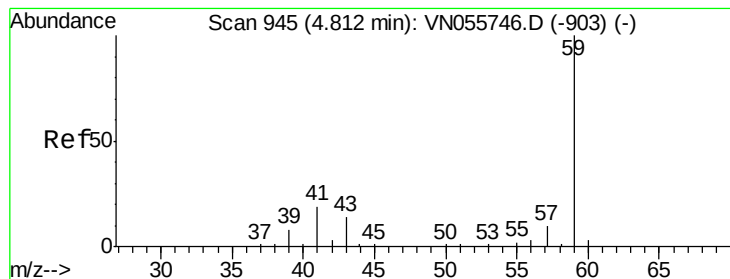
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.564 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

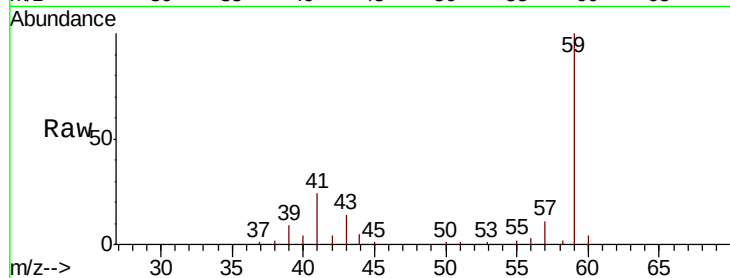
VN0524WBS03

Tot Ion: 59 Resp: 68895

Ion Ratio Lower Upper

59 100

57 9.6 7.8 11.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.81

20000

15000

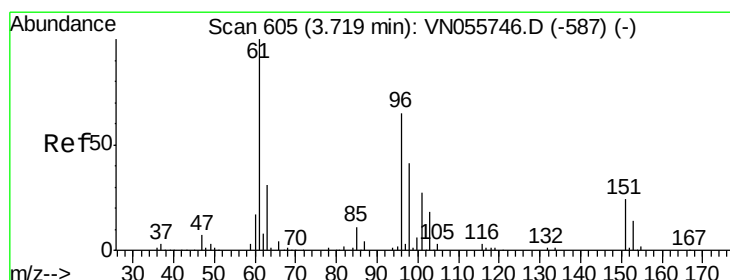
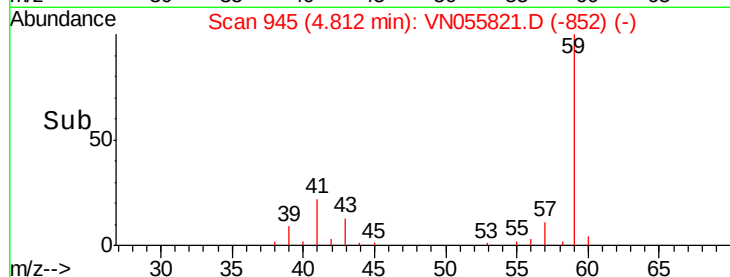
10000

5000

0

Time-->

4.60 4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 18.928 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

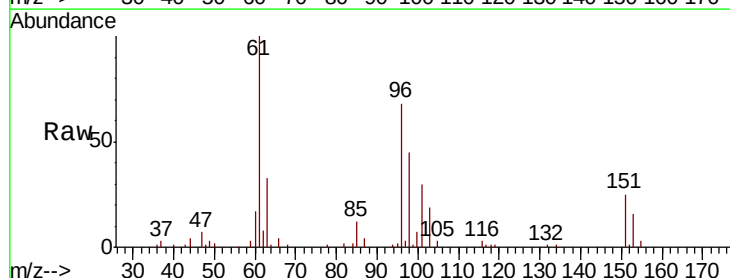
Tgt Ion: 96 Resp: 58206

Ion Ratio Lower Upper

96 100

61 146.6 123.2 184.8

98 66.4 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

3.72

40000

30000

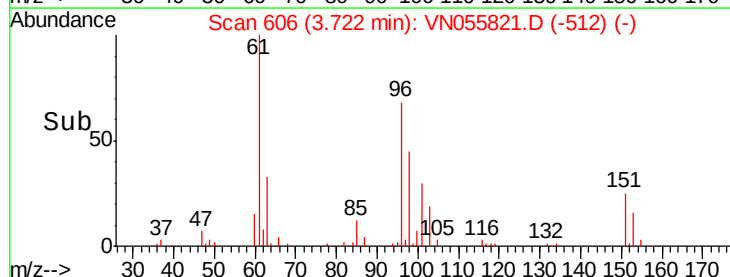
20000

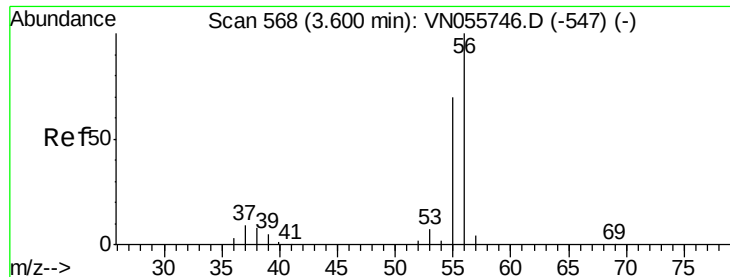
10000

0

Time-->

3.65 3.70 3.75 3.80





#13

Acrolein

Concen: 71.835 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

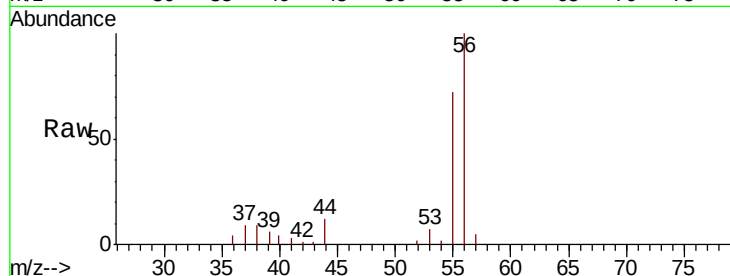
VN0524WBS03

Tot Ion: 56 Resp: 36698

Ion Ratio Lower Upper

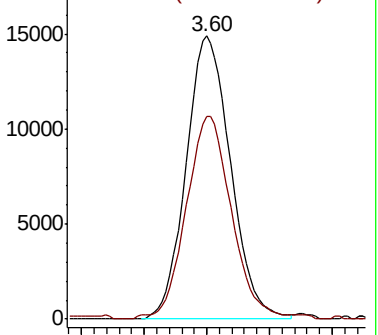
56 100

55 72.8 55.4 83.2

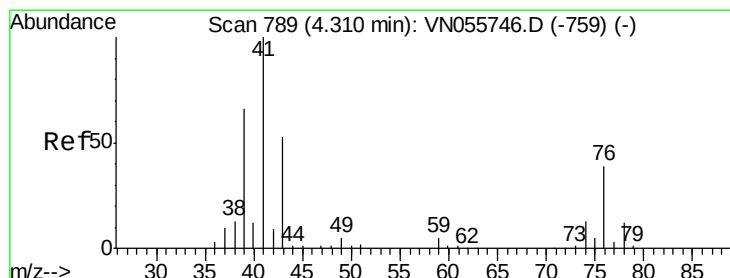
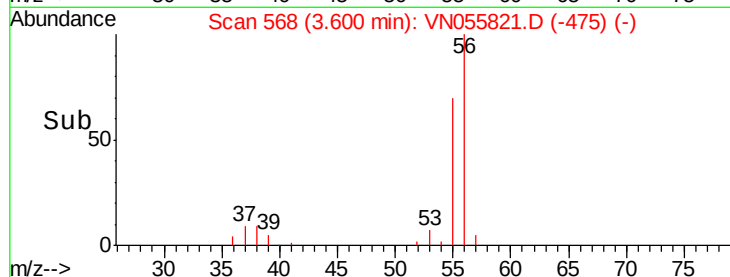


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 17.454 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

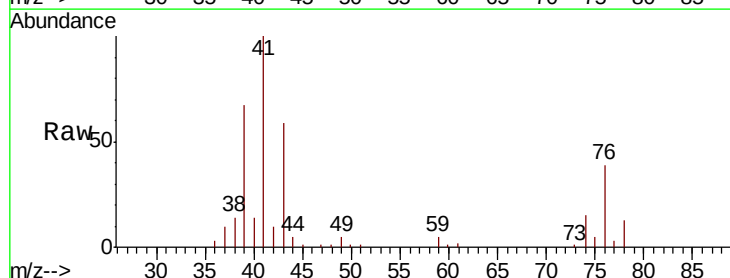
Tgt Ion: 41 Resp: 92013

Ion Ratio Lower Upper

41 100

39 62.6 50.0 75.0

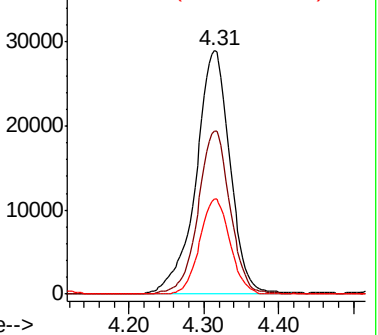
76 34.6 28.2 42.2



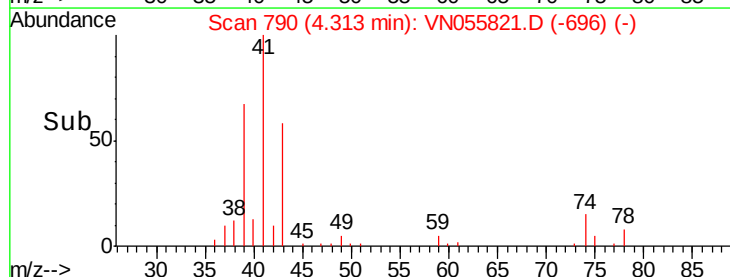
Abundance Ion 41.00 (40.70 to 41.70): VN0

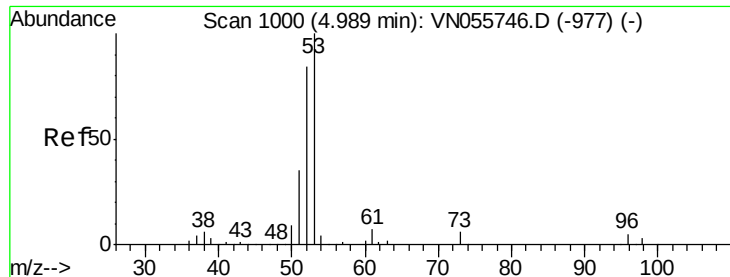
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





#15

Acrylonitrile

Concen: 95.082 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampled :

VN0524WBS03

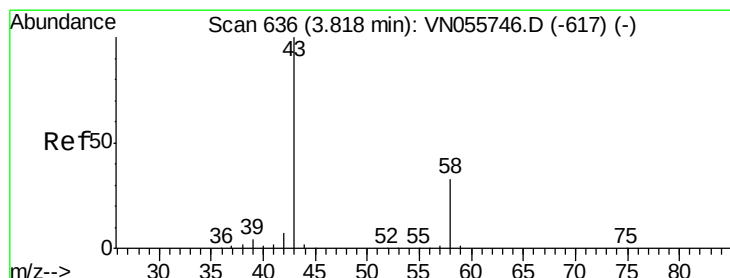
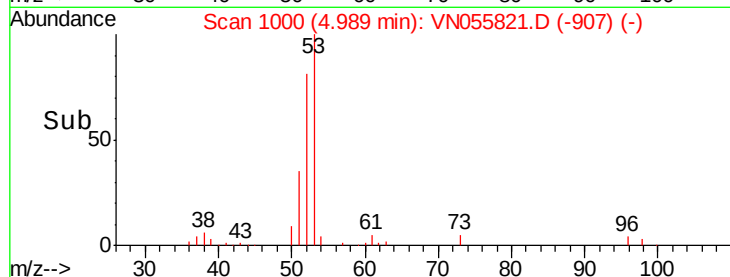
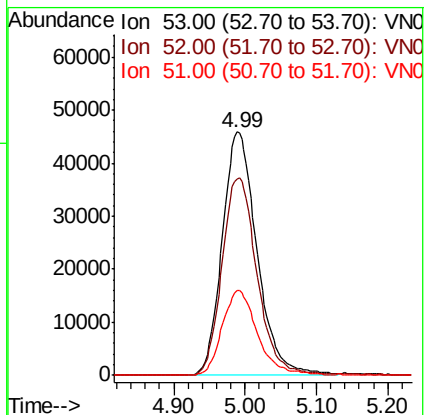
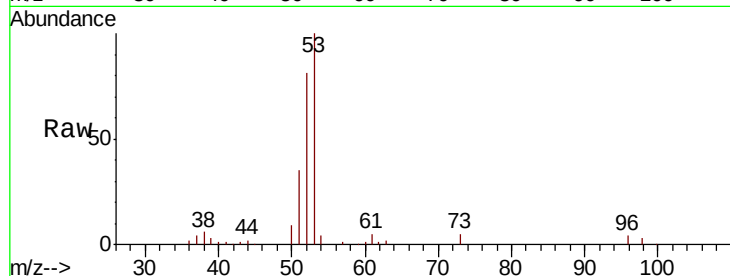
Tot Ion: 53 Resp: 155773

Ion Ratio Lower Upper

53 100

52 81.8 65.8 98.8

51 35.5 28.2 42.4



#16

Acetone

Concen: 77.510 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055821.D

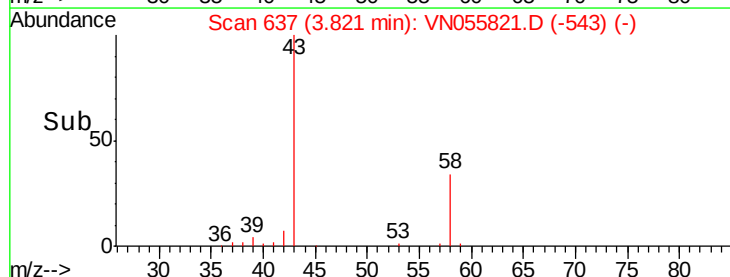
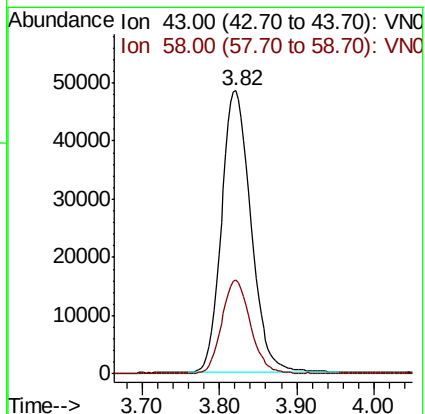
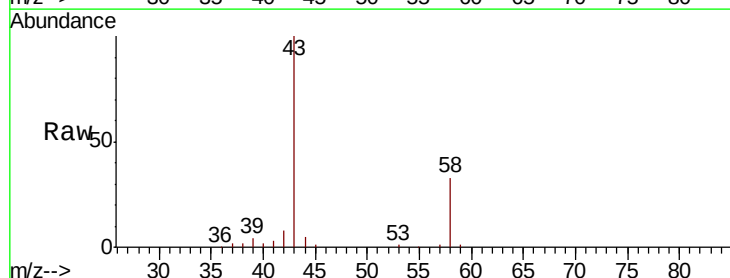
Acq: 25 May 2019 2:34

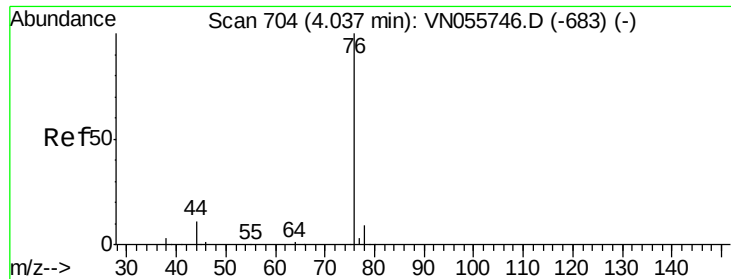
Tgt Ion: 43 Resp: 127227

Ion Ratio Lower Upper

43 100

58 33.6 26.6 39.8

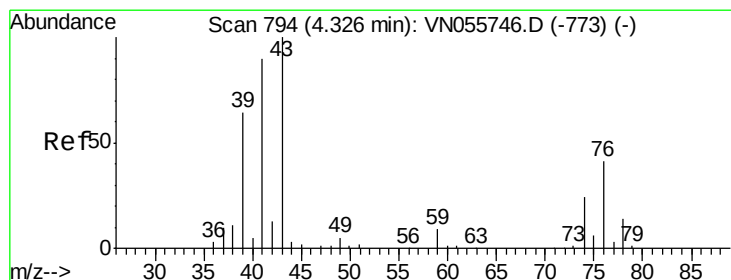
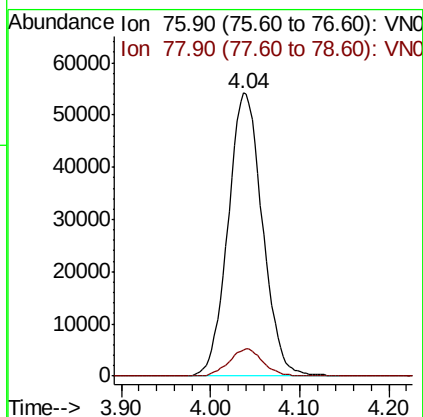
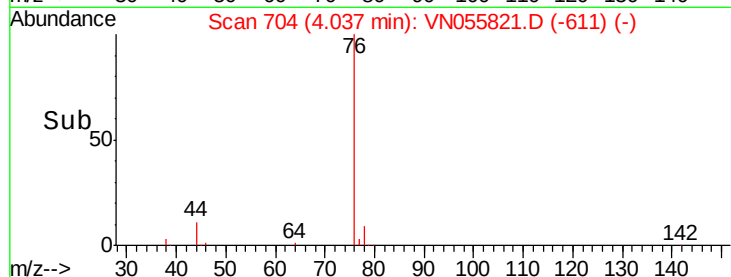
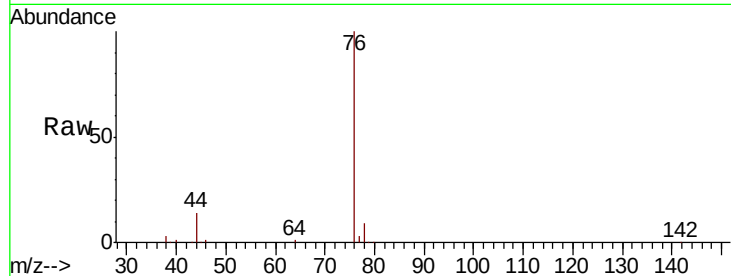




#17
Carbon Disulfide
Concen: 16.578 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

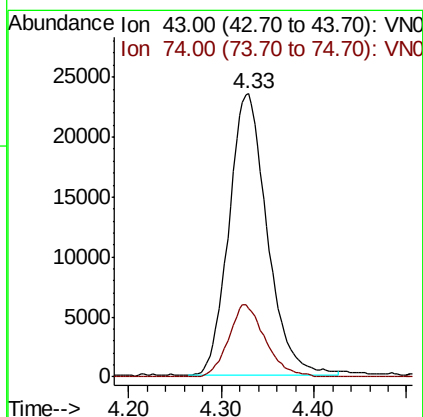
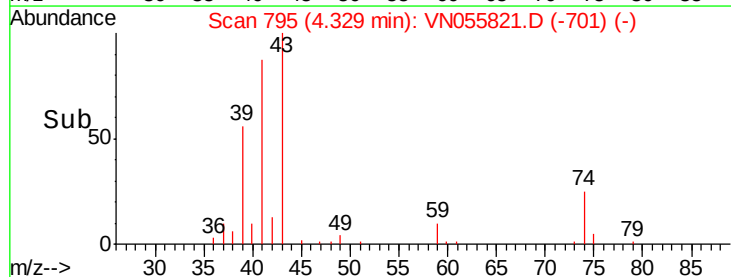
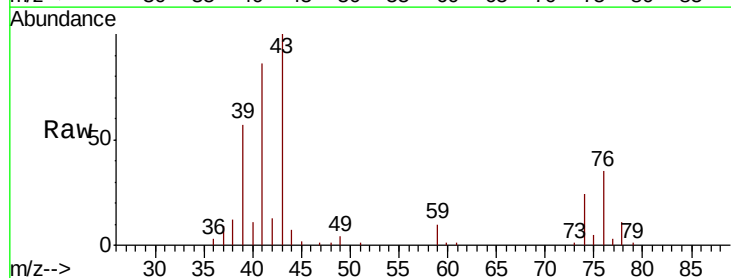
Instrument :
MSVOA_N
ClientSampled :
VN0524WBS03

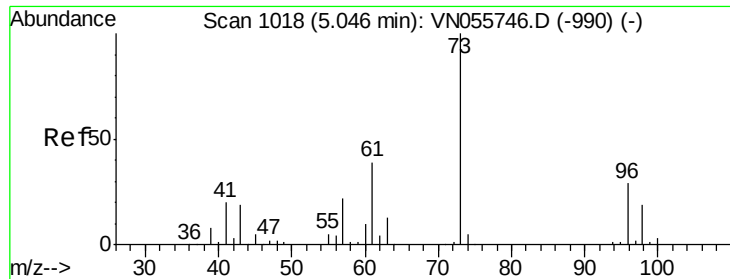
Tot Ion: 76 Resp: 144841
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 19.259 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion: 43 Resp: 66861
Ion Ratio Lower Upper
43 100
74 24.8 19.3 28.9

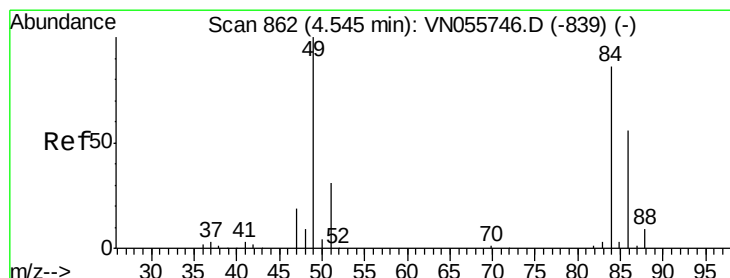
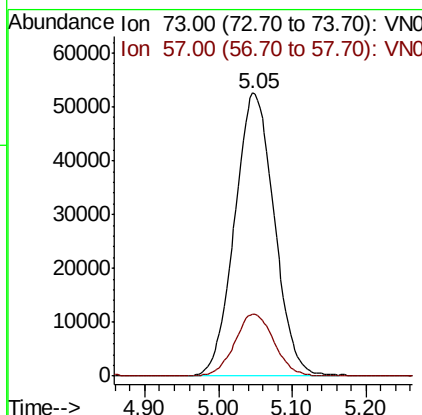
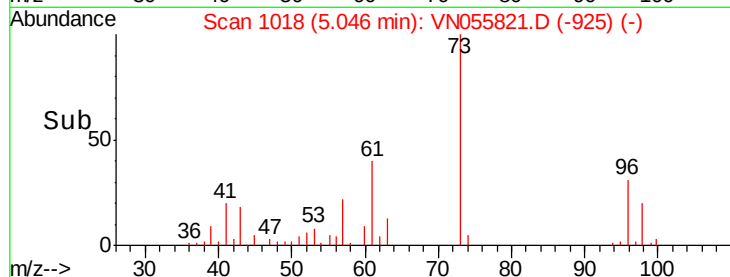
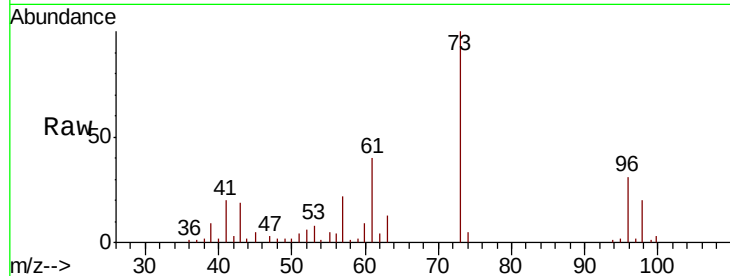




#19
Methyl tert-butyl Ether
Concen: 19.194 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

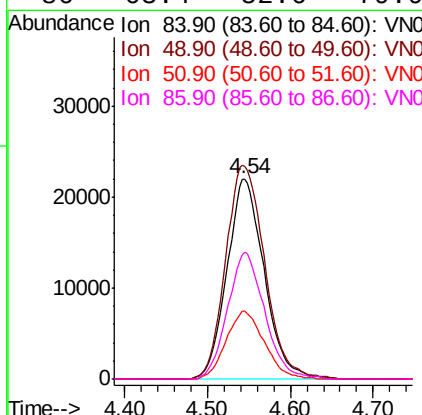
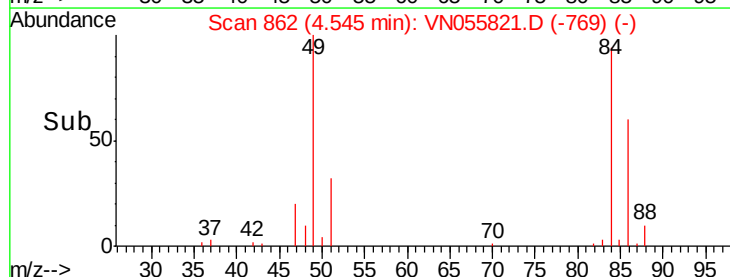
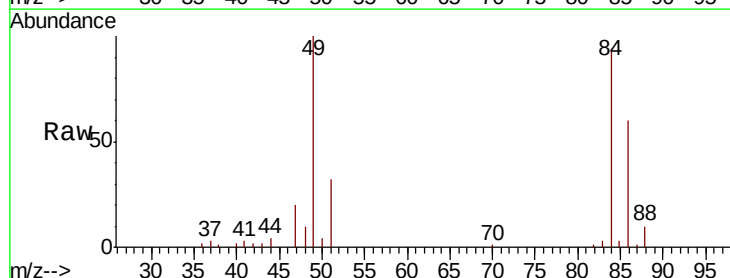
Instrument :
MSVOA_N
ClientSampled :
VN0524WBS03

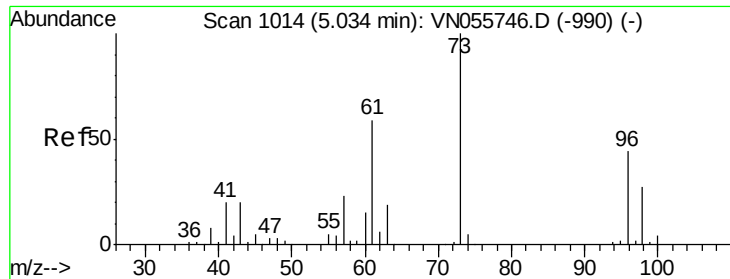
Tot Ion: 73 Resp: 196853
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.8



#20
Methylene Chloride
Concen: 19.336 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion: 84 Resp: 68735
Ion Ratio Lower Upper
84 100
49 106.3 93.5 140.3
51 33.7 28.6 43.0
86 63.4 52.6 79.0

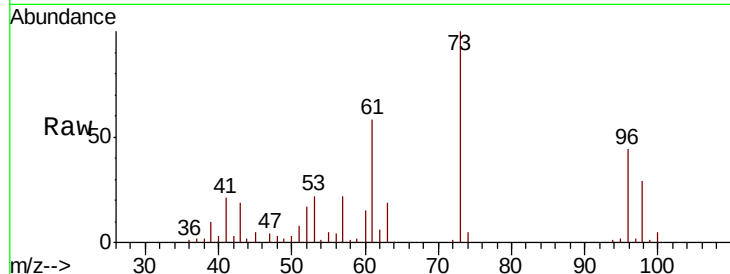




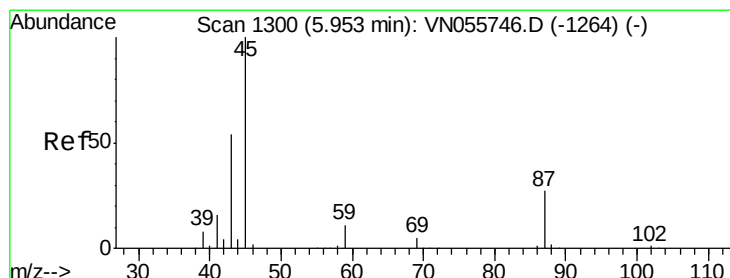
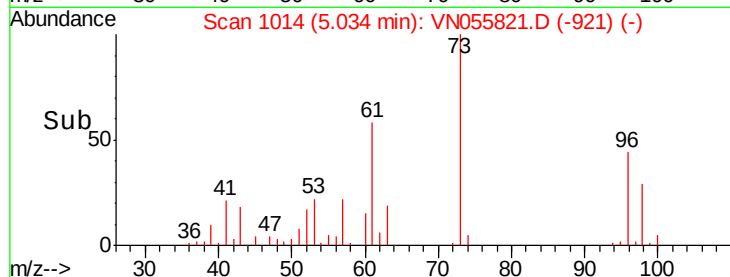
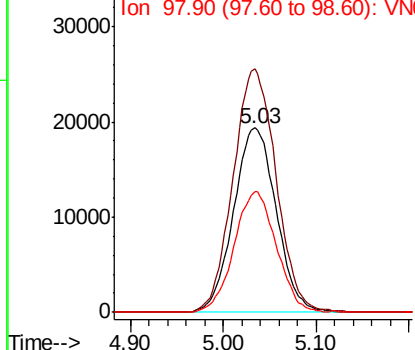
#21
trans-1,2-Dichloroethene
Concen: 18.751 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampled :
VN0524WBS03

Tot Ion: 96 Resp: 61948
Ion Ratio Lower Upper
96 100
61 132.1 107.8 161.8
98 65.5 49.8 74.8

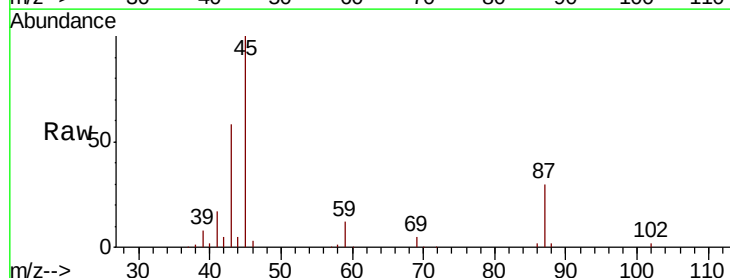


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

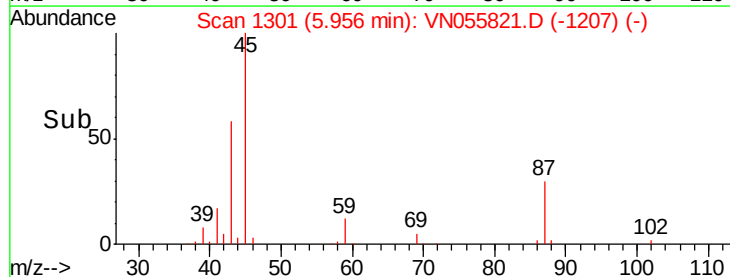
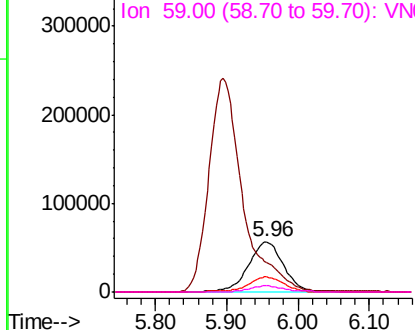


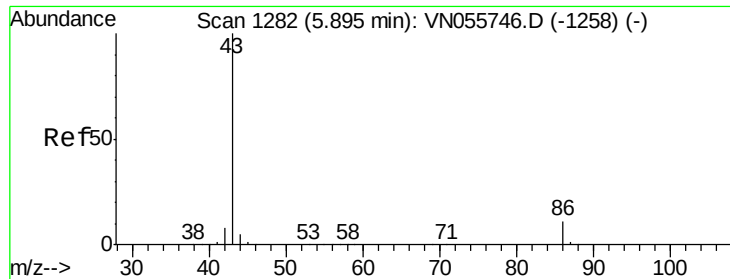
#22
Diisopropyl ether
Concen: 18.964 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion: 45 Resp: 194443
Ion Ratio Lower Upper
45 100
43 56.1 45.0 67.6
87 29.0 22.2 33.4
59 12.1 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

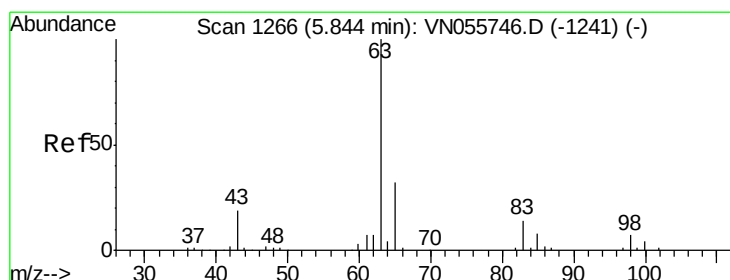
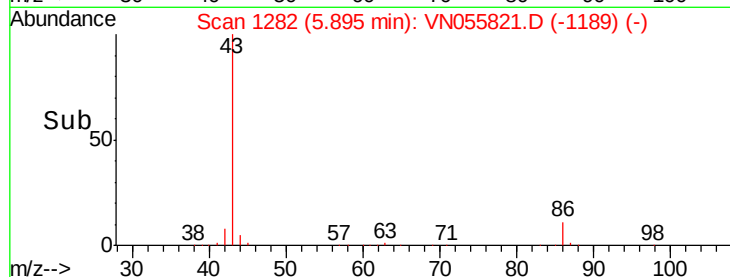
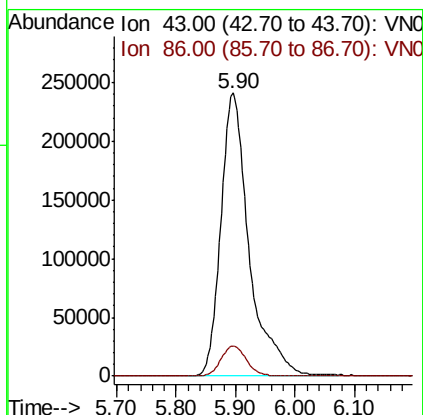
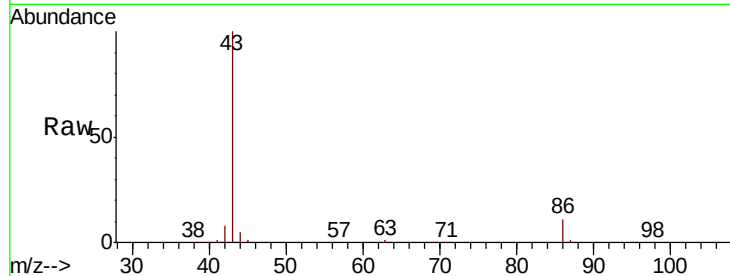




#23
 Vinyl Acetate
 Concen: 90.919 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

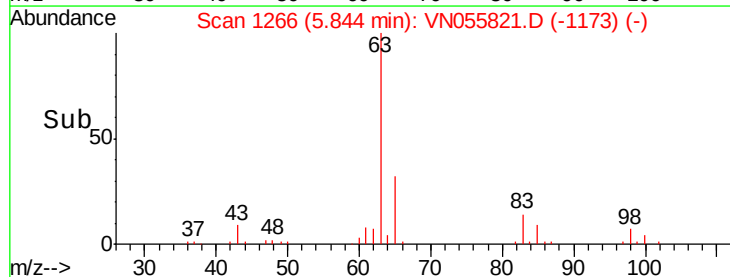
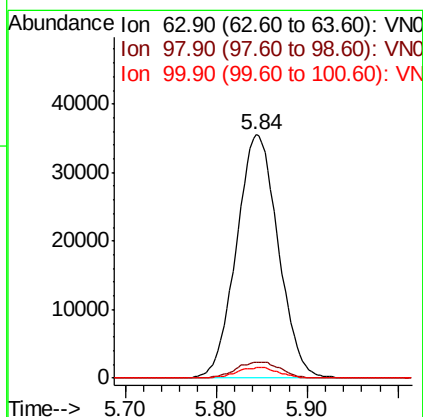
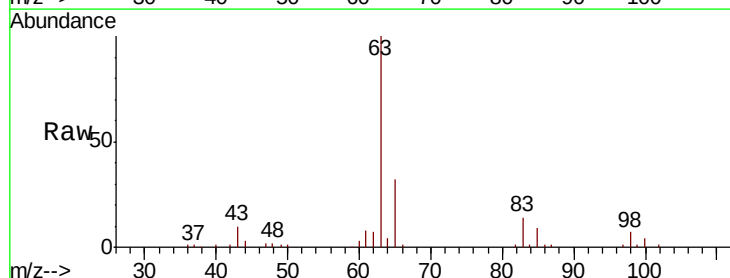
Instrument :
 MSVOA_N
 ClientSampled :
 VN0524WBS03

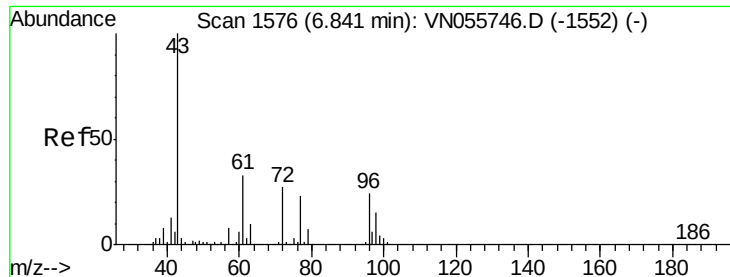
Tot Ion: 43 Resp: 799263
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 18.947 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion: 63 Resp: 113108
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.1
 100 4.3 2.2 6.6

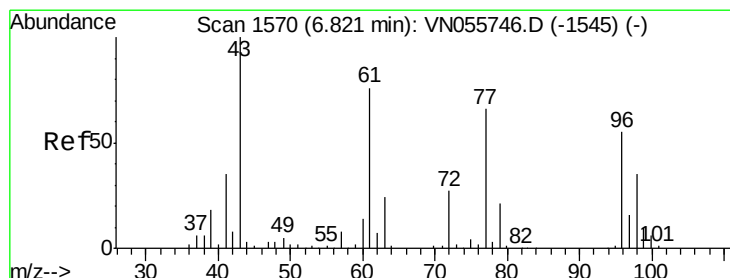
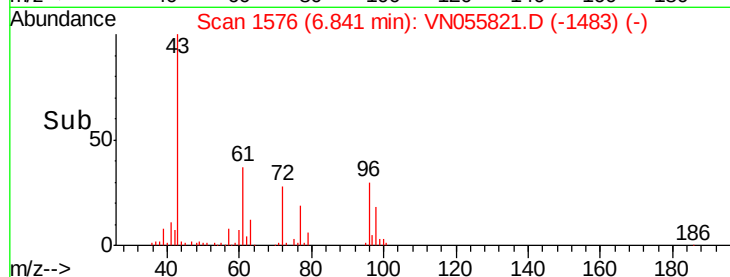
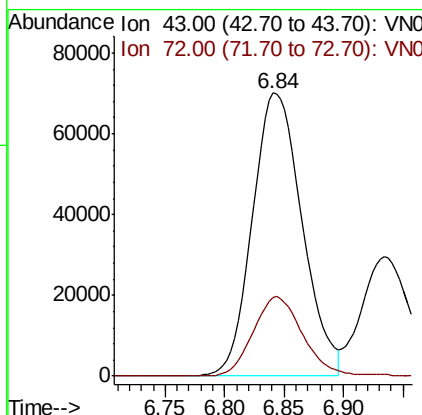
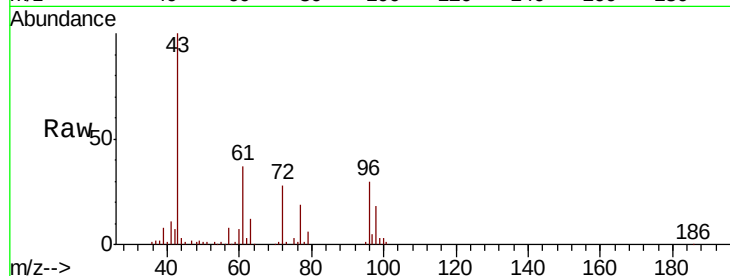




#25
2-Butanone
Concen: 88.027 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

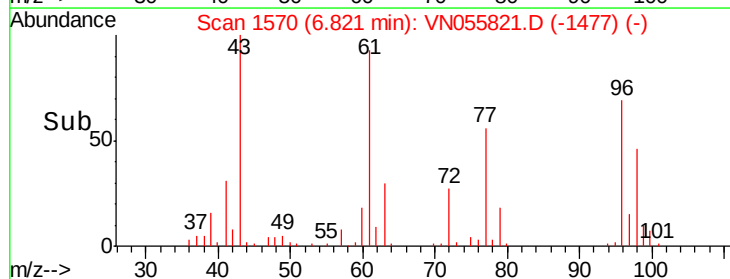
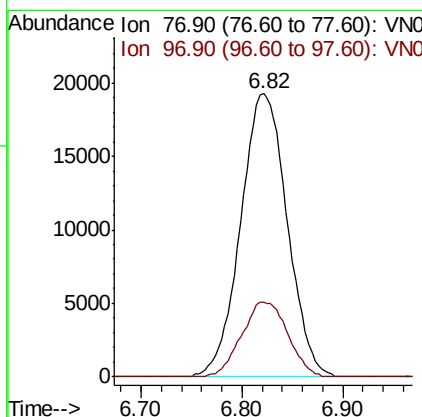
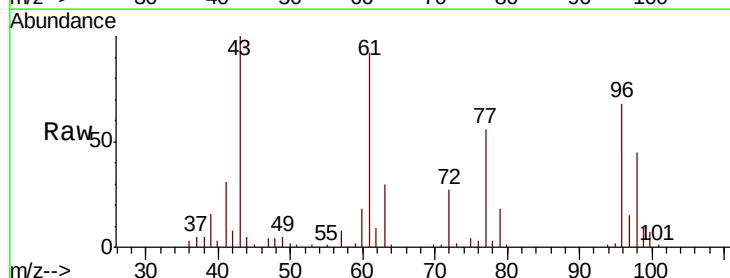
Instrument :
MSVOA_N
ClientSampled :
VN0524WBS03

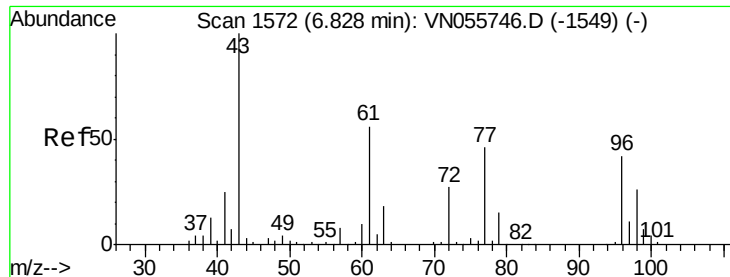
Tot Ion: 43 Resp: 201791
Ion Ratio Lower Upper
43 100
72 27.8 21.9 32.9



#26
2,2-Dichloropropane
Concen: 11.927 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion: 77 Resp: 61623
Ion Ratio Lower Upper
77 100
97 26.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.362 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

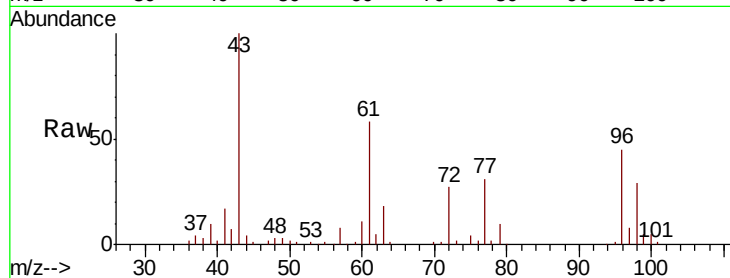
Tot Ion: 96 Resp: 74629

Ion Ratio Lower Upper

96 100

61 130.4 0.0 275.8

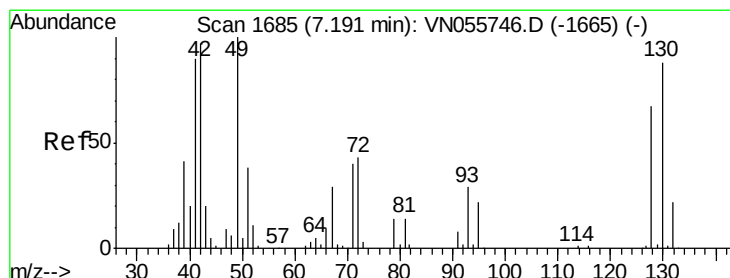
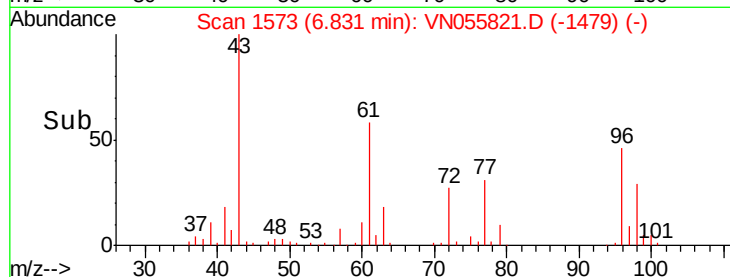
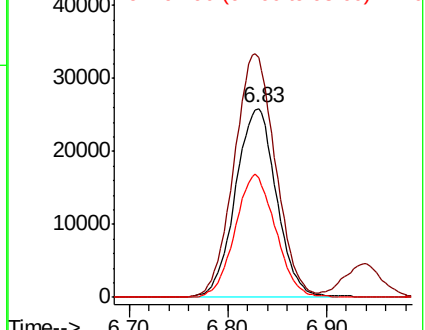
98 64.3 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.384 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

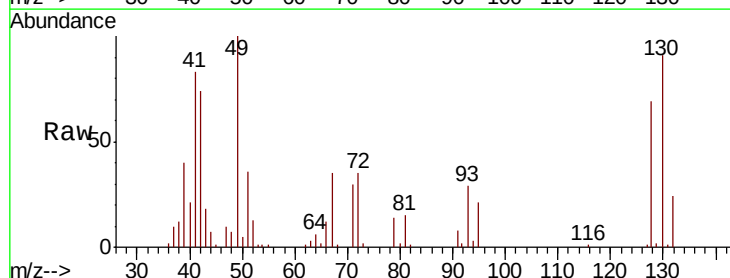
Tgt Ion: 49 Resp: 57936

Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.4

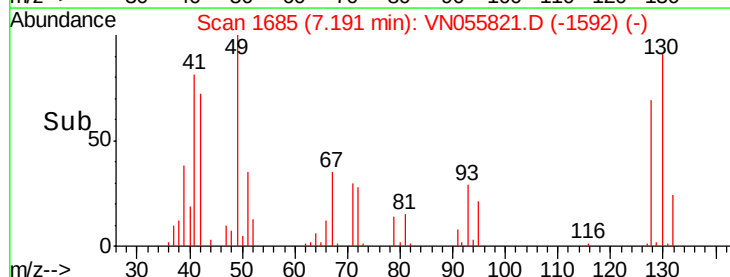
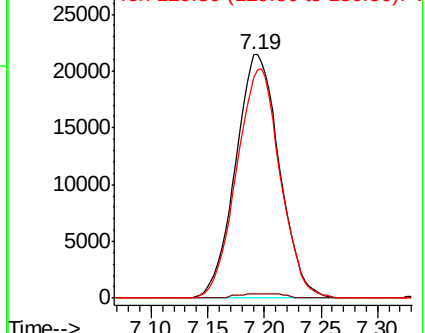
130 93.3 71.2 106.8

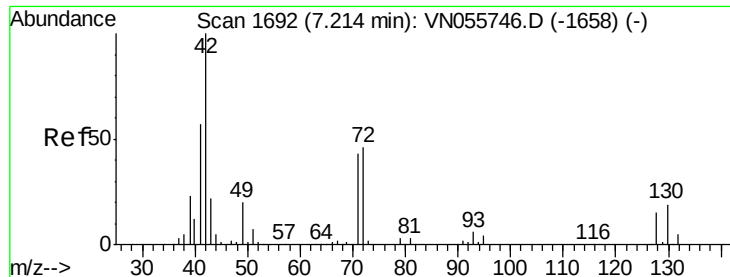


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

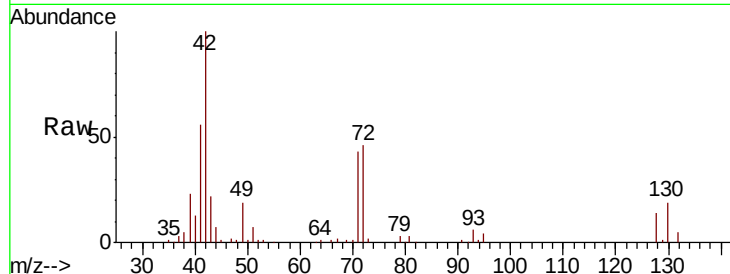




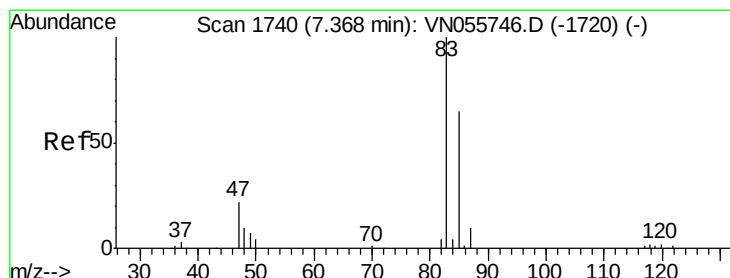
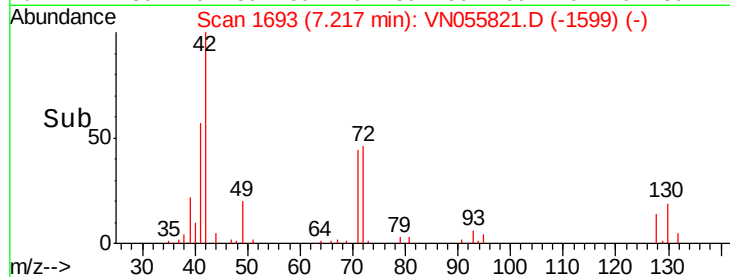
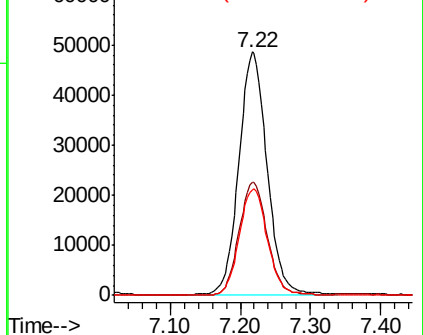
#29
Tetrahydrofuran
Concen: 94.316 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampled :
VN0524WBS03

Tot Ion: 42 Resp: 136919
Ion Ratio Lower Upper
42 100
72 46.1 35.9 53.9
71 43.4 34.0 51.0

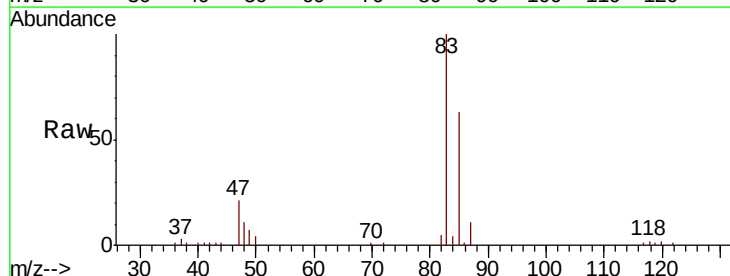


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

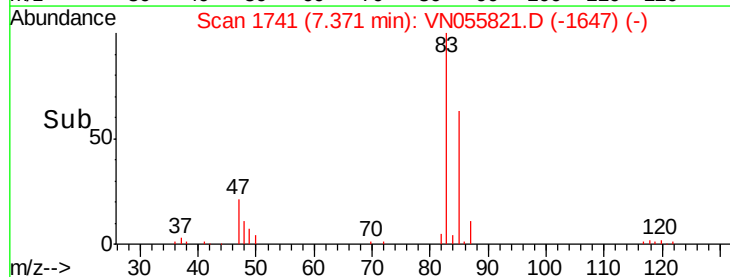
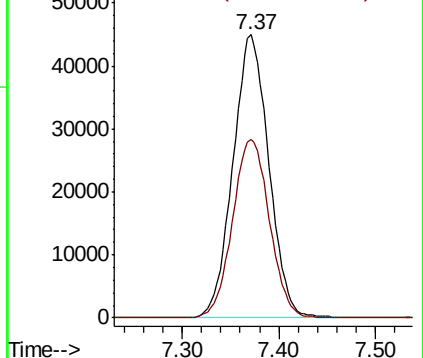


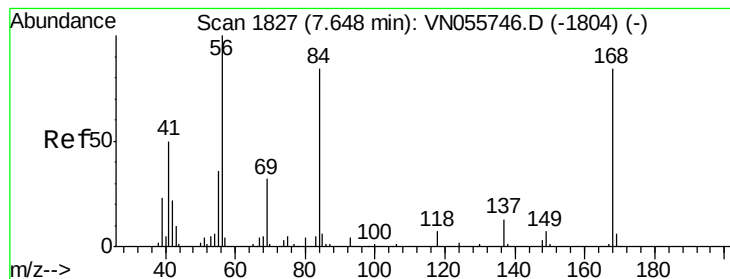
#30
Chloroform
Concen: 19.433 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion: 83 Resp: 115695
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.358 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

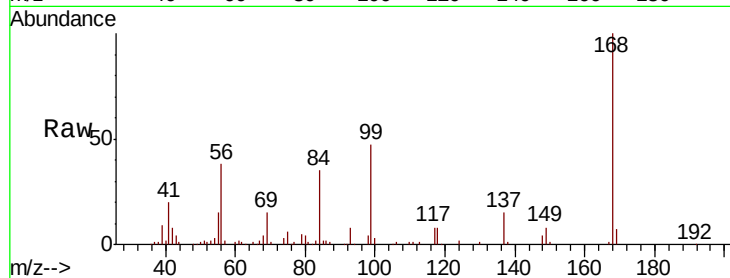
Tot Ion: 56 Resp: 102894

Ion Ratio Lower Upper

56 100

69 38.7 25.6 38.4#

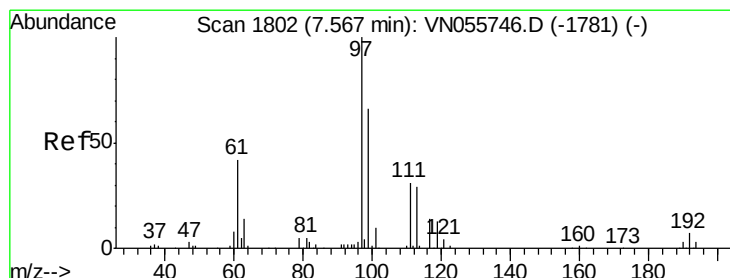
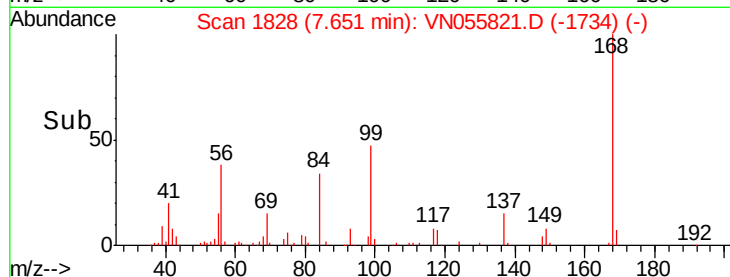
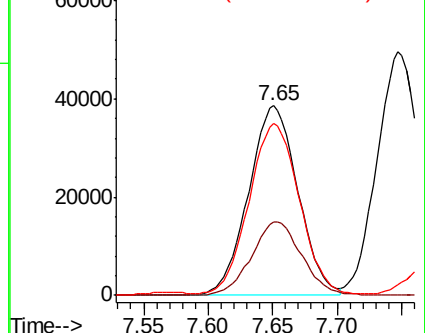
84 89.7 67.4 101.0



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: 19.090 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

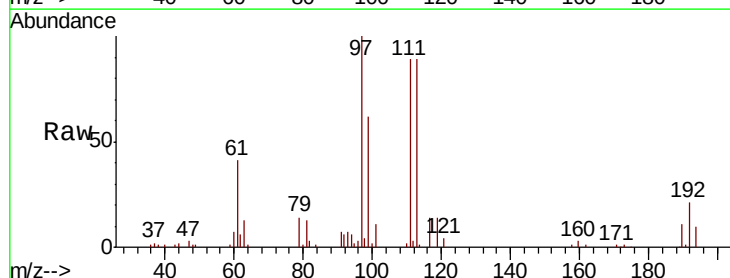
Tgt Ion: 97 Resp: 101420

Ion Ratio Lower Upper

97 100

99 63.5 52.0 78.0

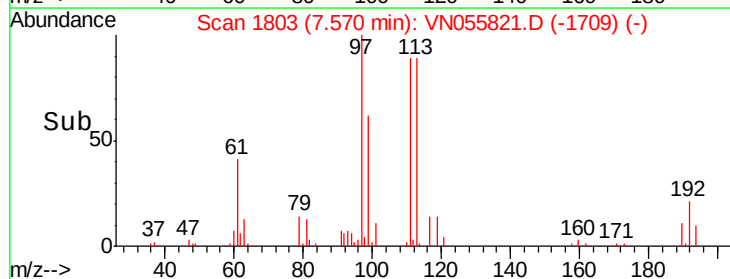
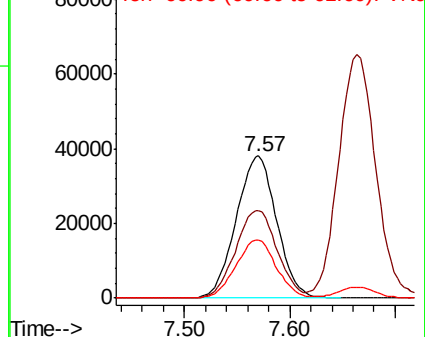
61 41.1 32.9 49.3

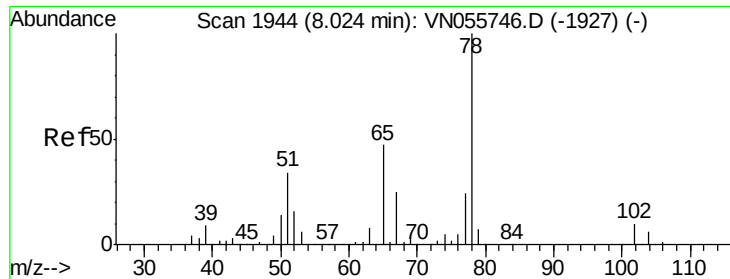


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

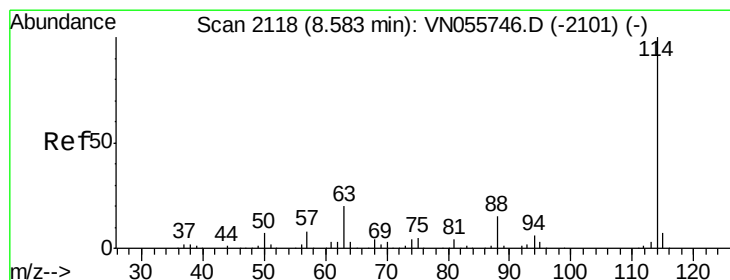
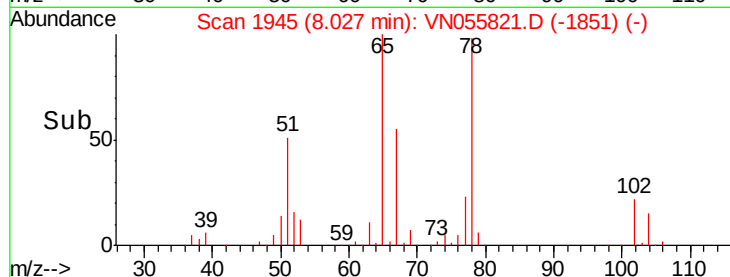
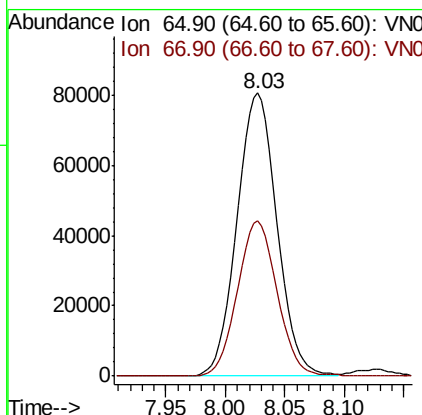
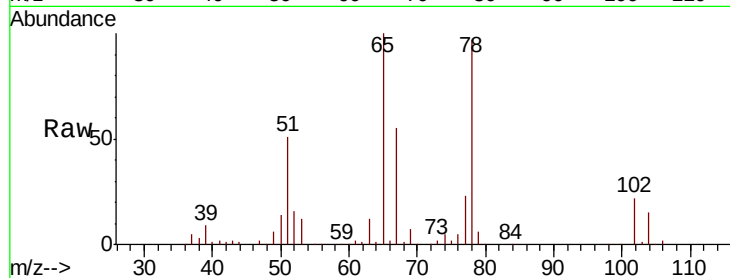




#33
 1,2-Dichloroethane-d4
 Concen: 50.142 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

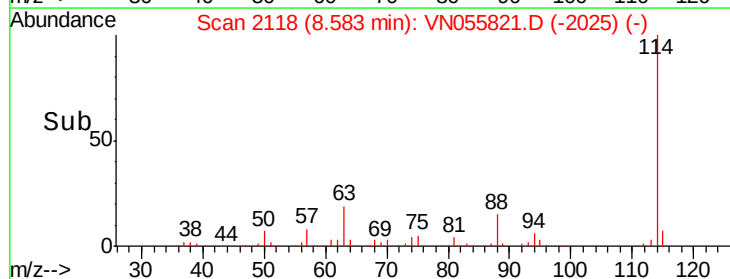
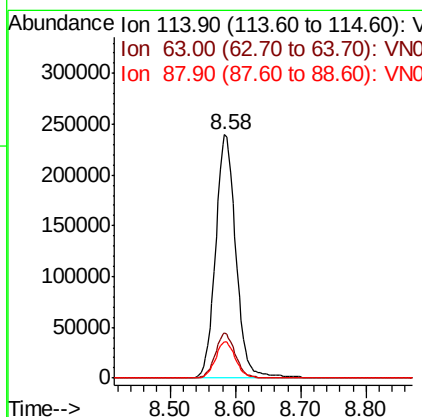
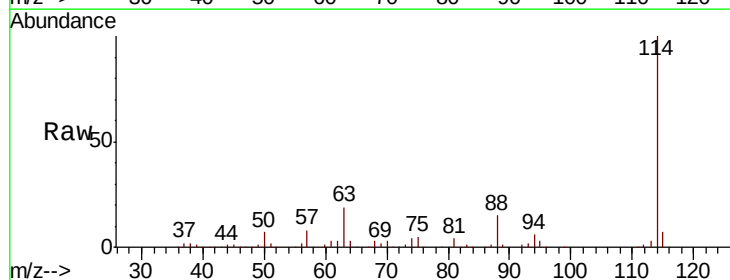
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

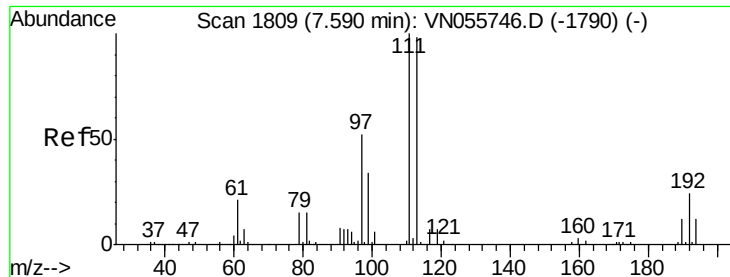
Tot Ion: 65 Resp: 187235
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion: 114 Resp: 520084
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.2
 88 15.1 0.0 31.0

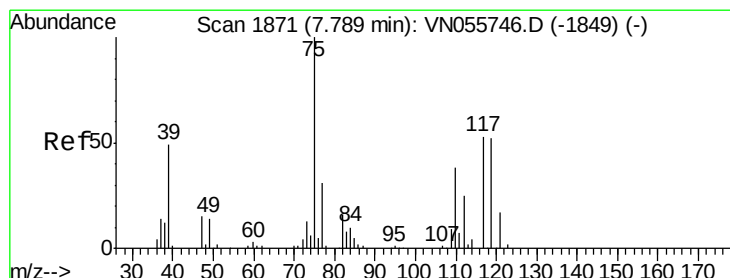
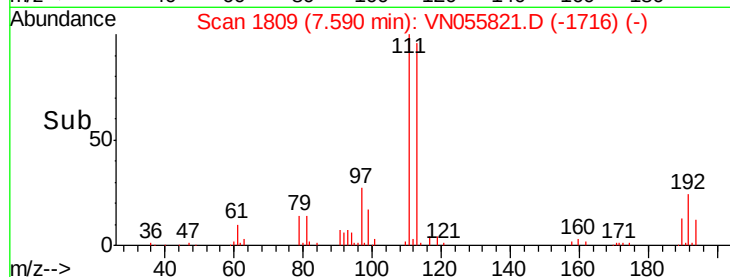
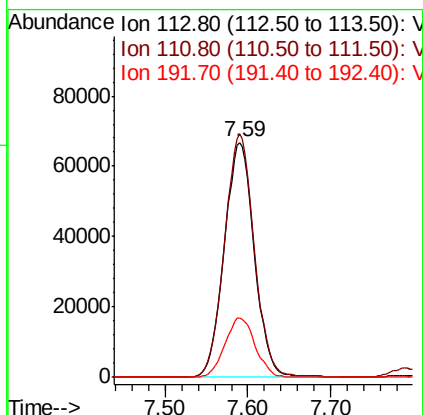
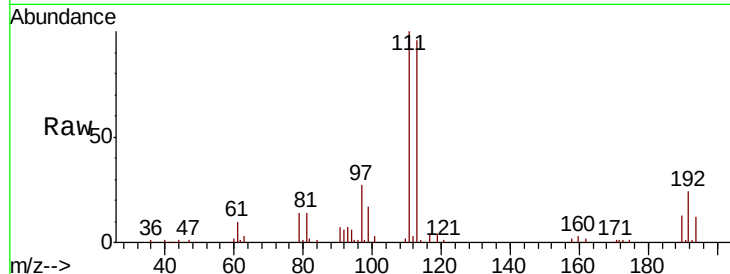




#35
 Dibromofluoromethane
 Concen: 51.127 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

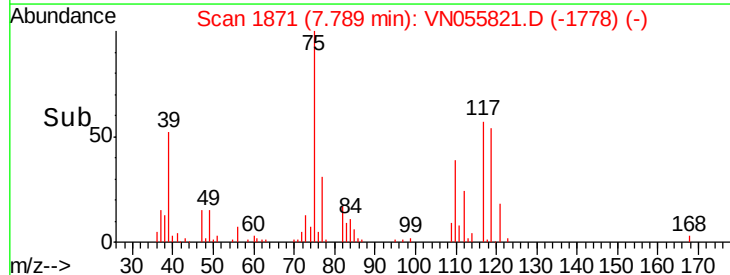
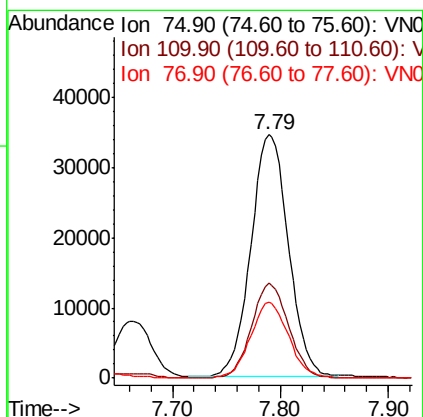
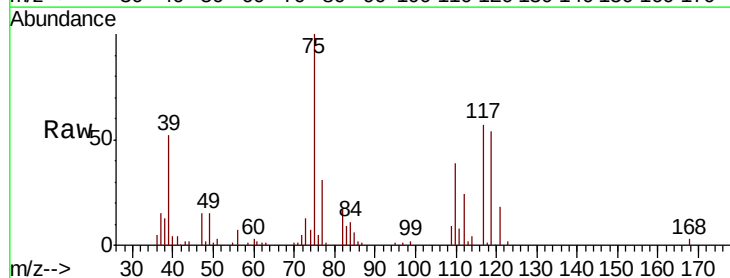
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

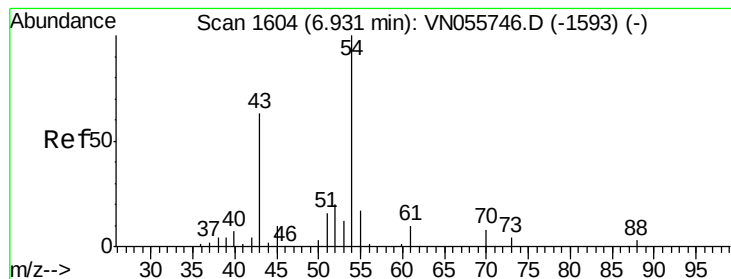
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	25.3	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 18.446 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.0	57.0
77	31.5	25.1	37.7





#37

Ethyl Acetate

Concen: 19.182 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

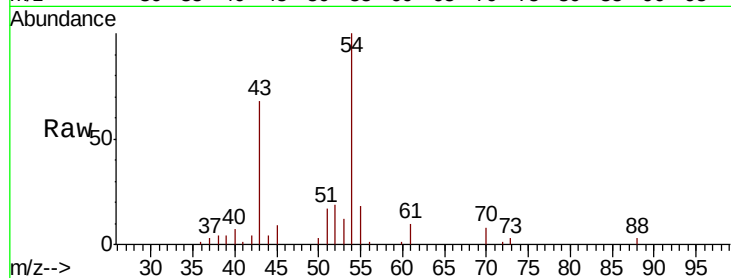
Tot Ion: 43 Resp: 84028

Ion Ratio Lower Upper

43 100

61 15.0 12.2 18.2

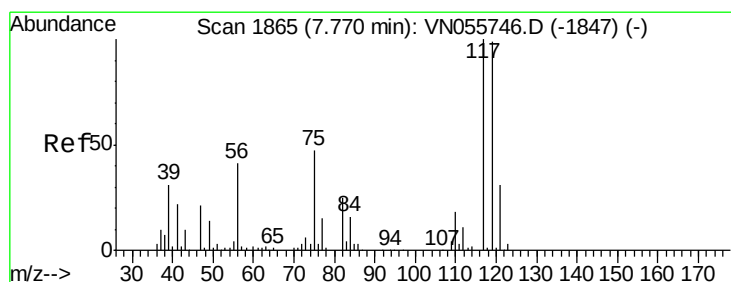
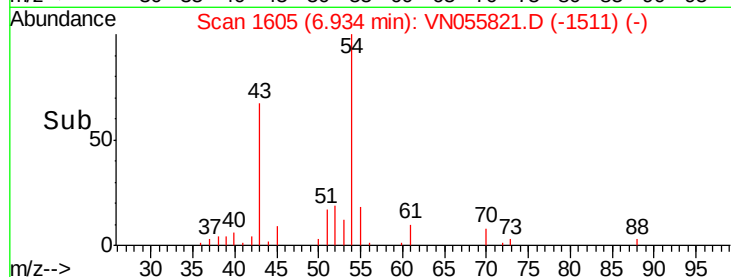
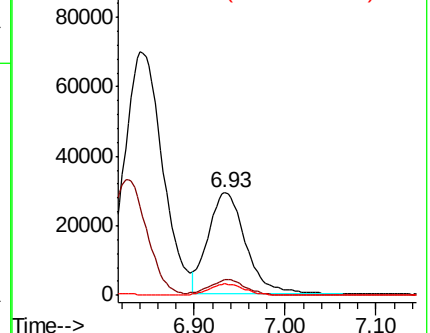
70 10.7 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1593) (-)

Ion 70.00 (69.70 to 70.70): VN055746.D (-1593) (-)



#38

Carbon Tetrachloride

Concen: 18.764 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

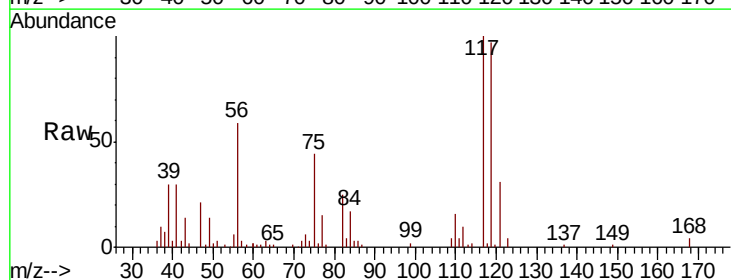
Tgt Ion: 117 Resp: 88587

Ion Ratio Lower Upper

117 100

119 96.1 79.0 118.6

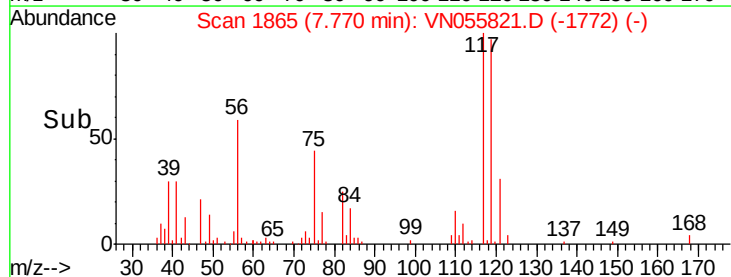
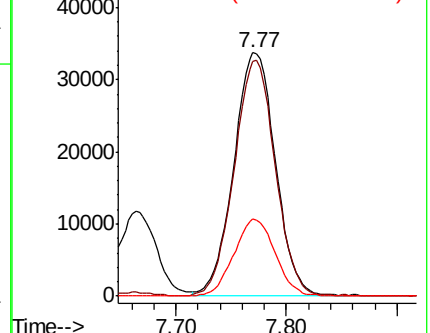
121 31.5 24.7 37.1

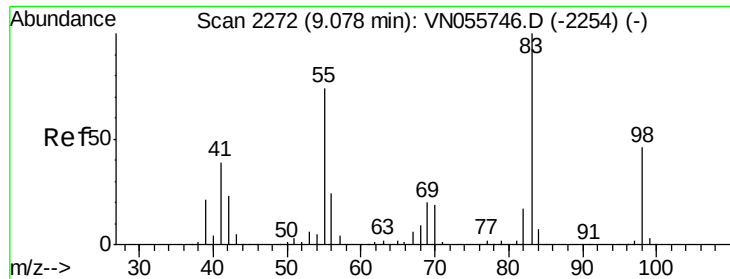


Abundance Ion 116.80 (116.50 to 117.50): VN055746.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055746.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055746.D (-1847) (-)

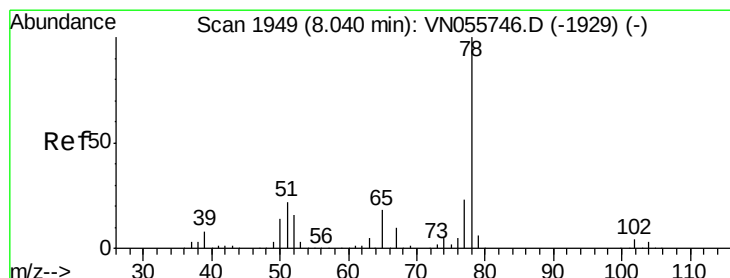
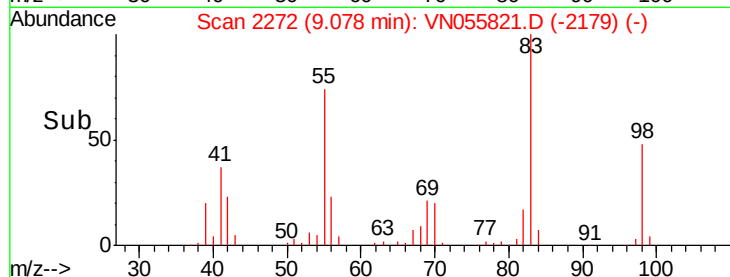
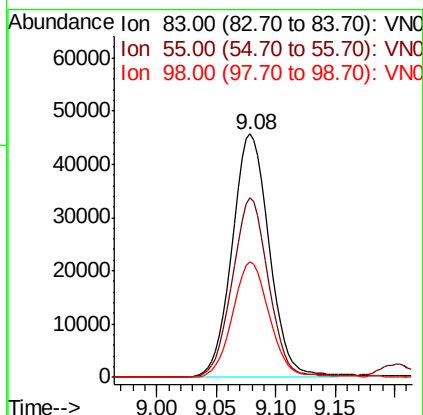
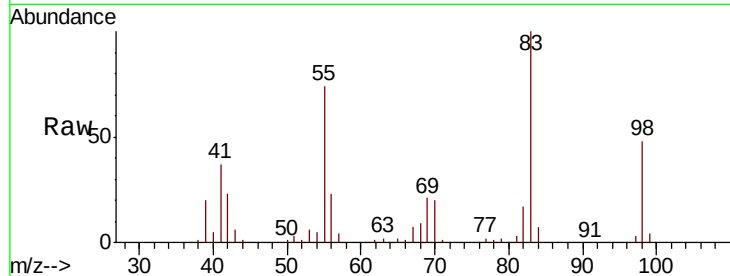




#39
Methylvlcyclohexane
Concen: 17.695 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

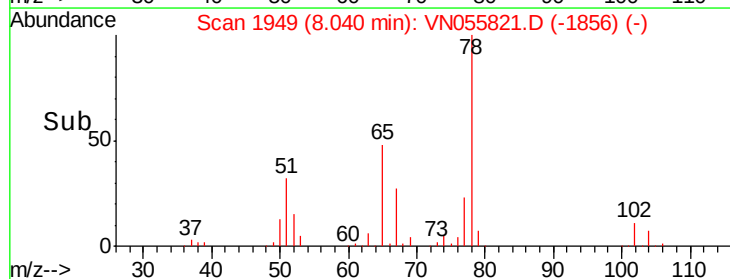
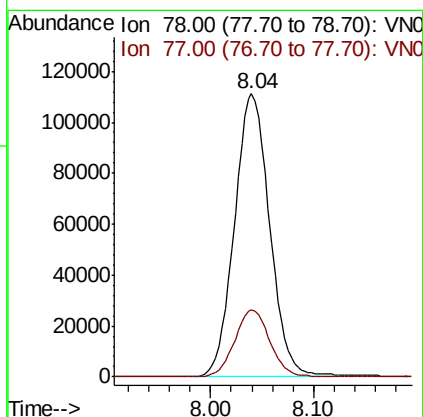
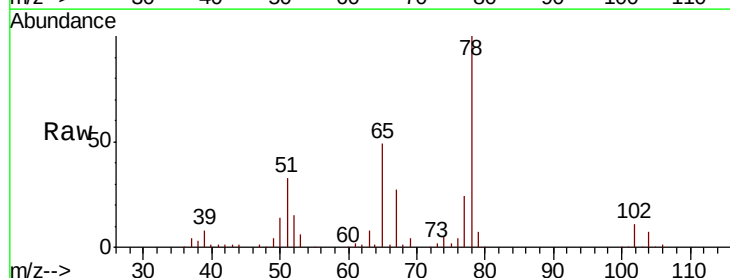
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

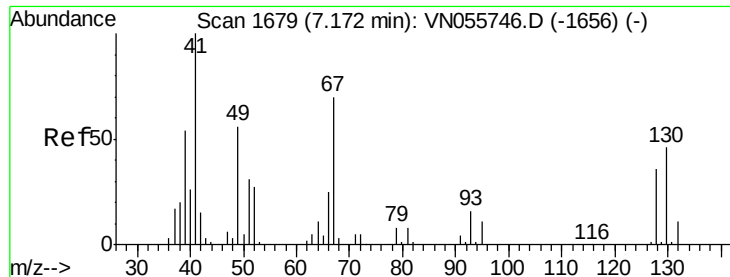
Tot Ion: 83 Resp: 99310
Ion Ratio Lower Upper
83 100
55 74.0 59.3 88.9
98 47.7 36.6 54.8



#40
Benzene
Concen: 19.390 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion: 78 Resp: 264853
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2





#41

Methacrylonitrile

Concen: 18.787 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampled :

VN0524WBS03

Tot Ion: 41 Resp: 41577

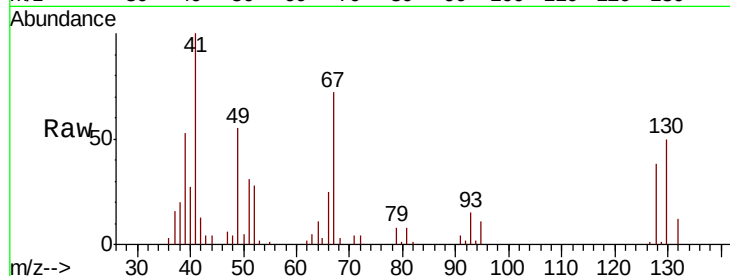
Ion Ratio Lower Upper

41 100

39 57.5 45.6 68.4

67 85.0 67.7 101.5

52 32.7 26.6 40.0

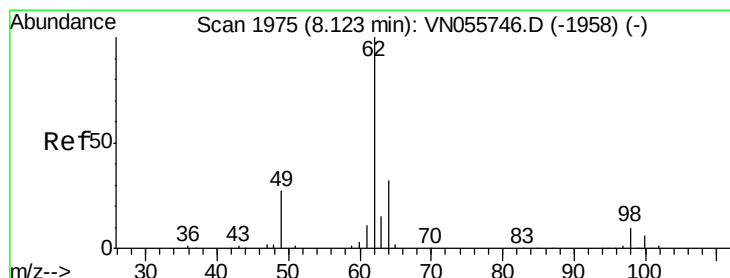
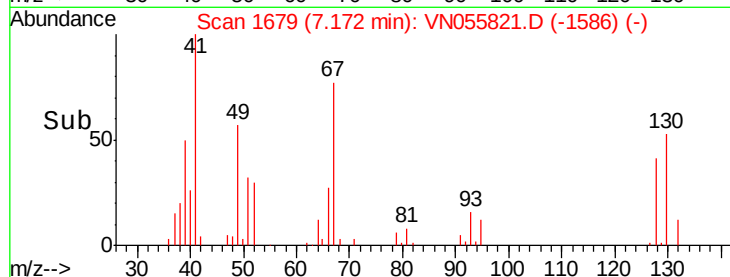
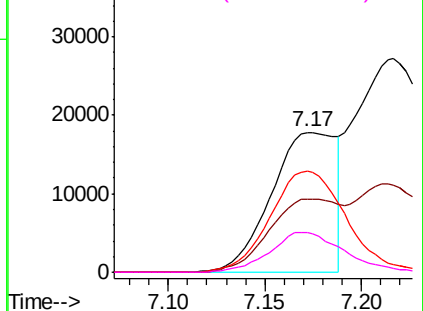


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.889 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN055821.D

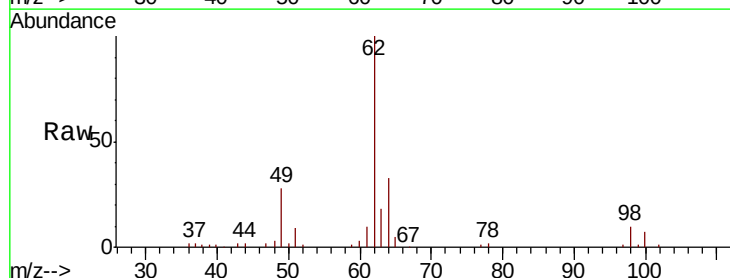
Acq: 25 May 2019 2:34

Tgt Ion: 62 Resp: 88773

Ion Ratio Lower Upper

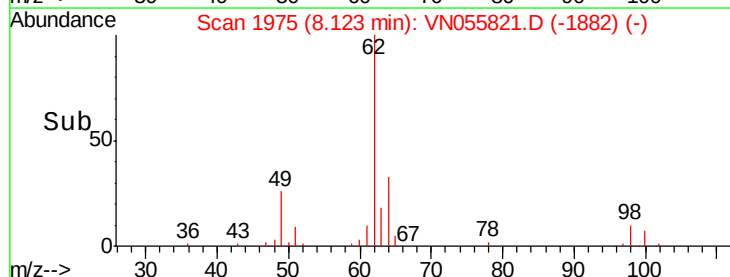
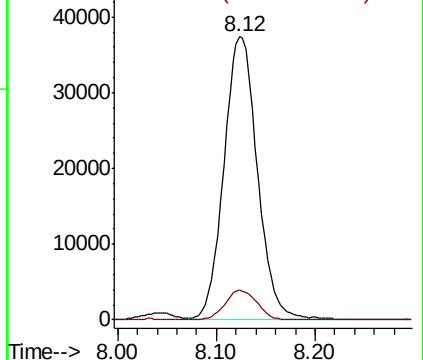
62 100

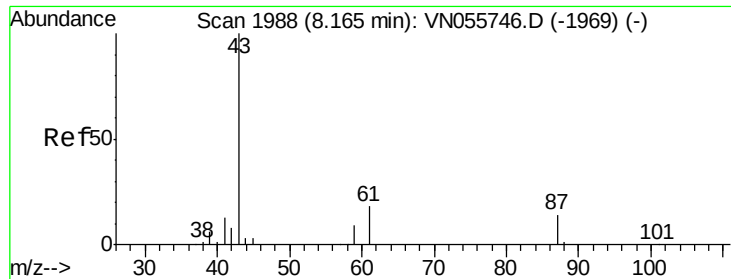
98 9.9 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.381 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

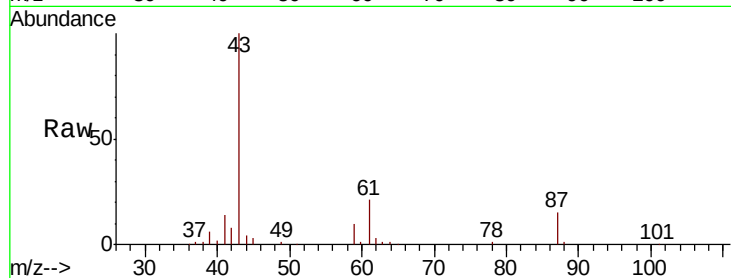
Tot Ion: 43 Resp: 135281

Ion Ratio Lower Upper

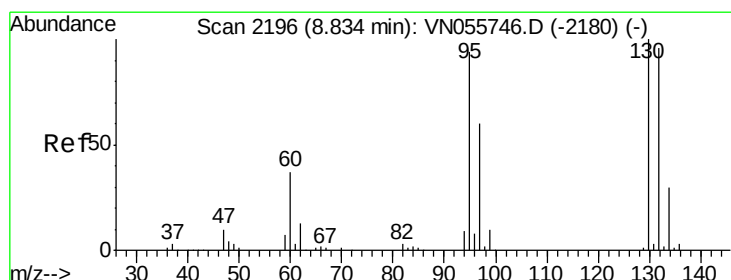
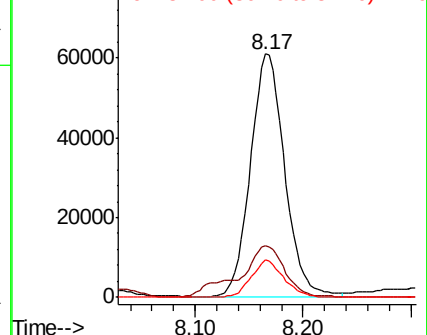
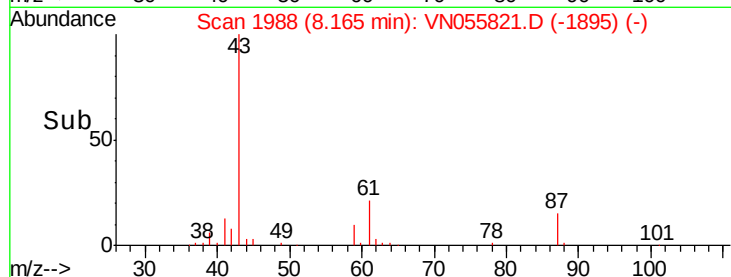
43 100

61 28.3 22.2 33.4

87 14.4 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055821.D (-1895) (-)



#44

Trichloroethene

Concen: 20.085 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055821.D

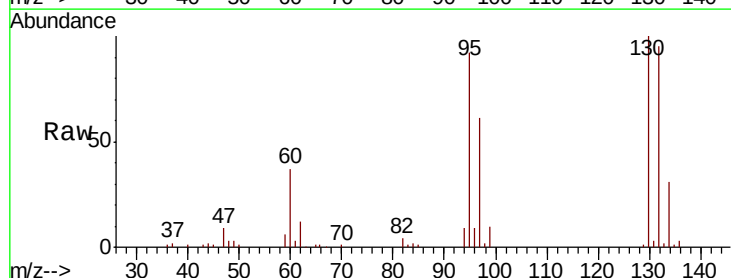
Acq: 25 May 2019 2:34

Tgt Ion:130 Resp: 76486

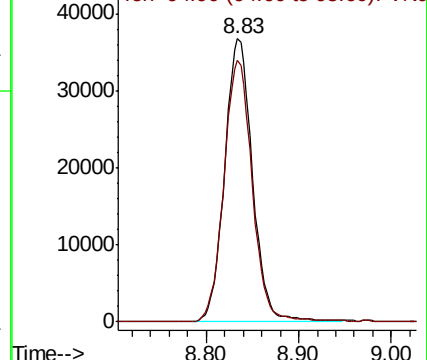
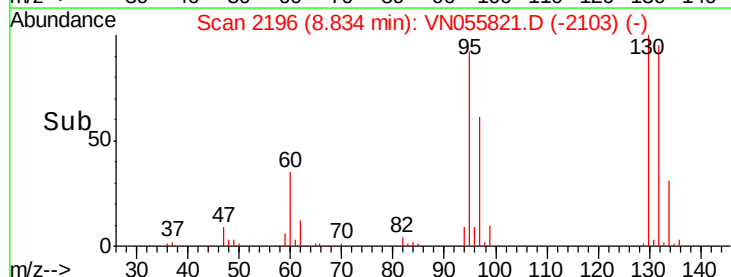
Ion Ratio Lower Upper

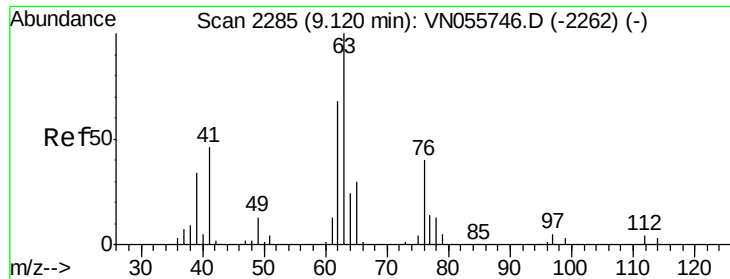
130 100

95 92.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055821.D (-2103) (-)

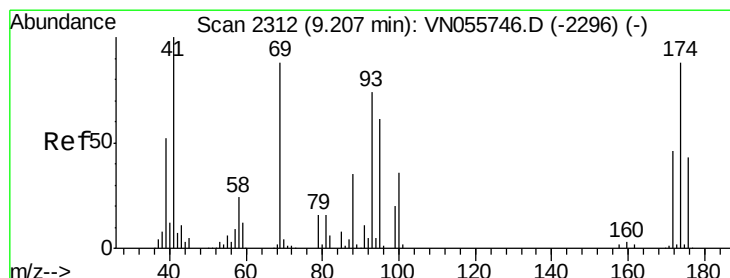
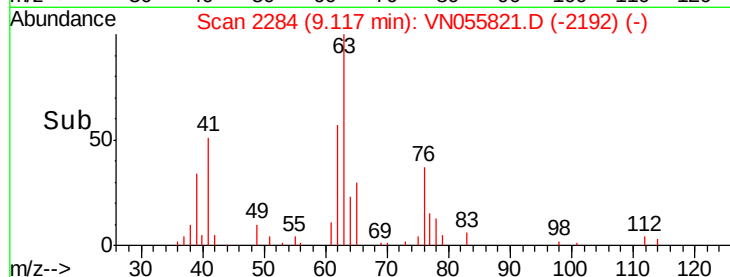
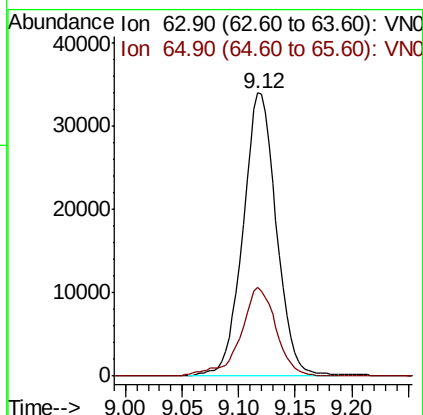
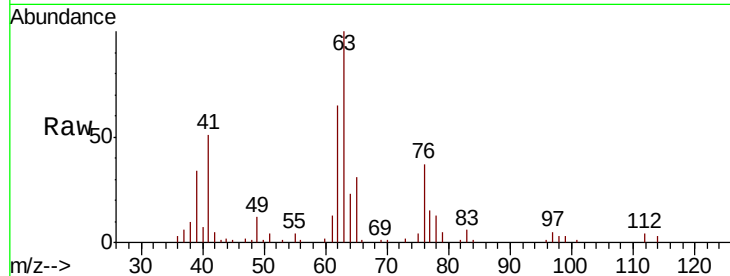




#45
 1,2-Dichloropropane
 Concen: 19.614 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

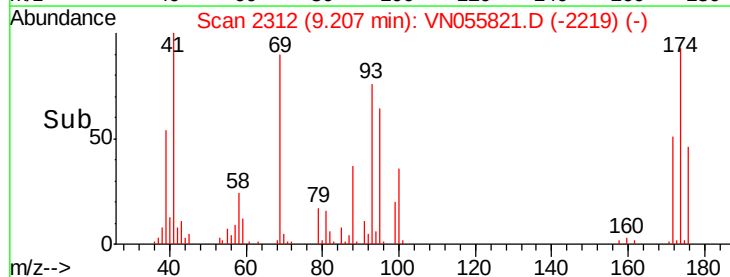
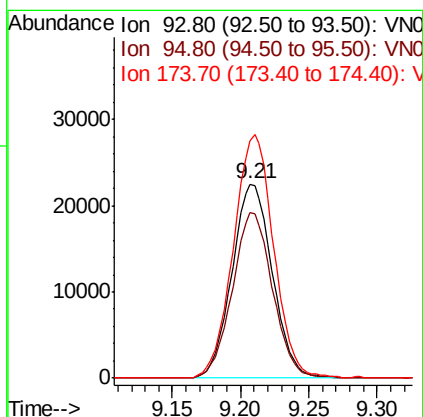
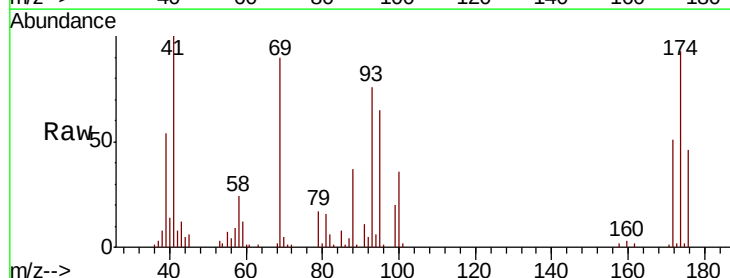
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

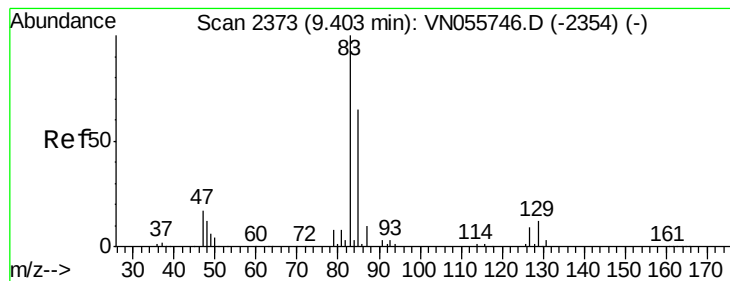
Tot Ion: 63 Resp: 69805
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 36.8



#46
 Dibromomethane
 Concen: 19.729 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion: 93 Resp: 46048
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.7 100.1
 174 125.6 96.4 144.6





#47

Bromodichloromethane

Concen: 18.976 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

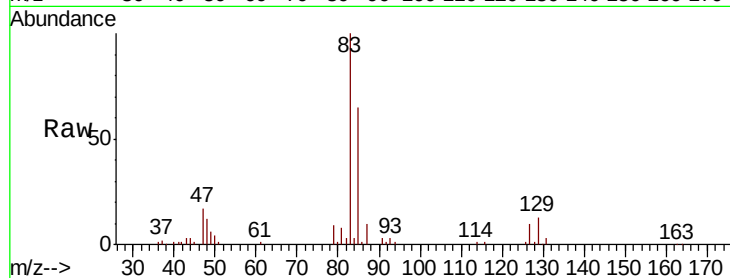
Tot Ion: 83 Resp: 90815

Ion Ratio Lower Upper

83 100

85 65.2 52.2 78.2

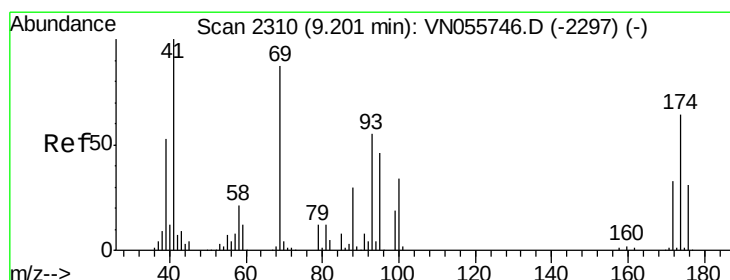
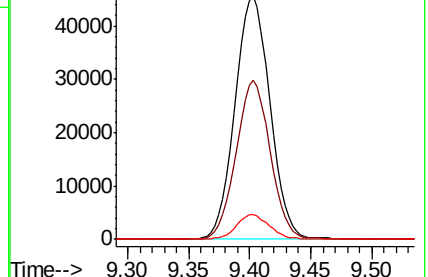
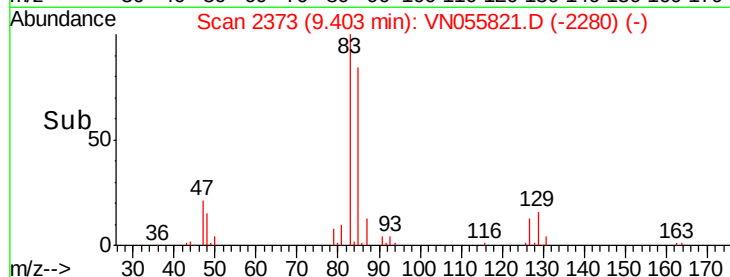
127 10.2 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055821.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055821.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055821.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.444 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

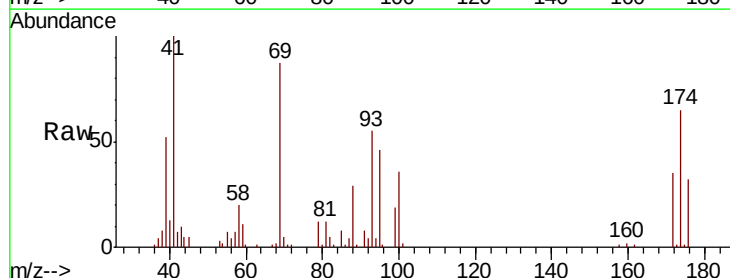
Tgt Ion: 41 Resp: 65954

Ion Ratio Lower Upper

41 100

69 90.5 71.0 106.6

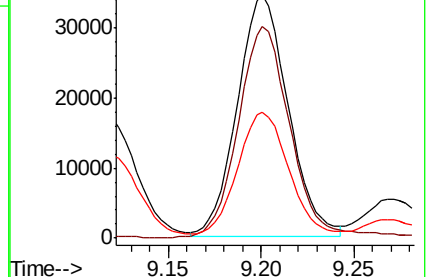
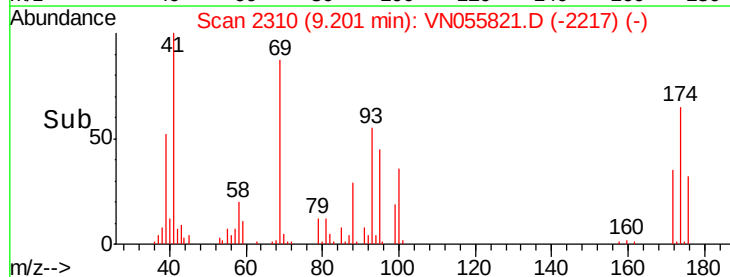
39 52.6 44.2 66.2

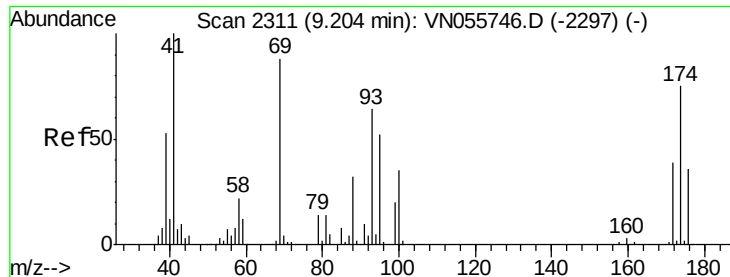


Abundance Ion 41.00 (40.70 to 41.70): VN055821.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055821.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055821.D (-2217) (-)





#49

1,4-Dioxane

Concen: 399.451 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

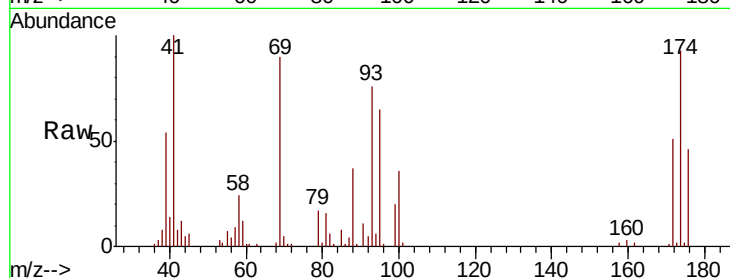
Tot Ion: 88 Resp: 28157

Ion Ratio Lower Upper

88 100

43 24.2 20.5 30.7

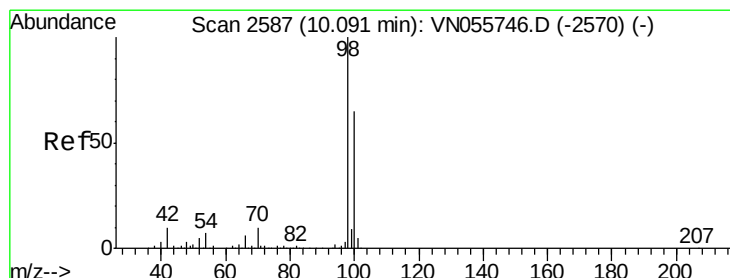
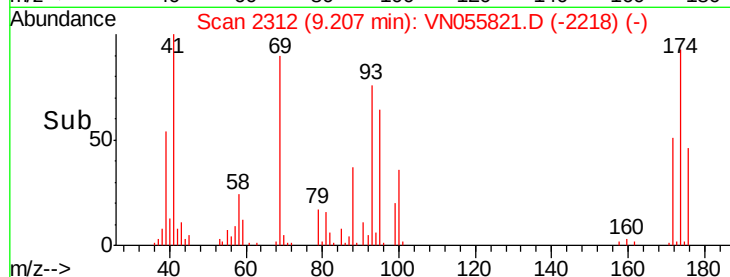
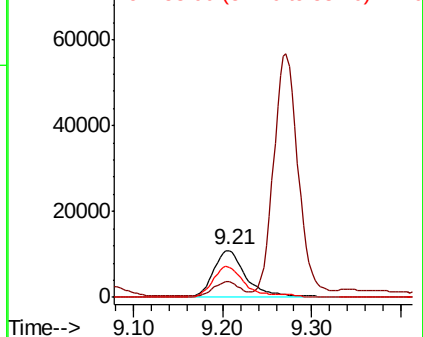
58 61.2 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.234 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055821.D

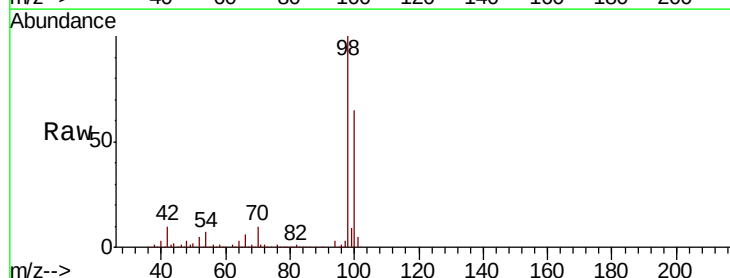
Acq: 25 May 2019 2:34

Tgt Ion: 98 Resp: 633599

Ion Ratio Lower Upper

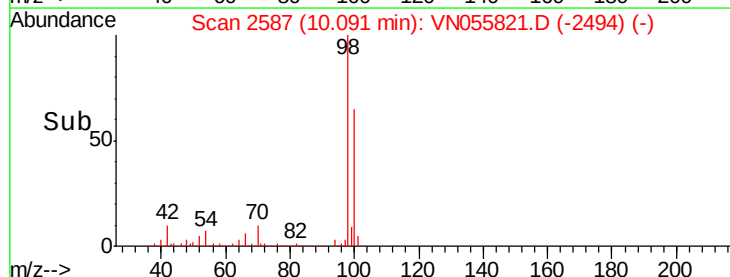
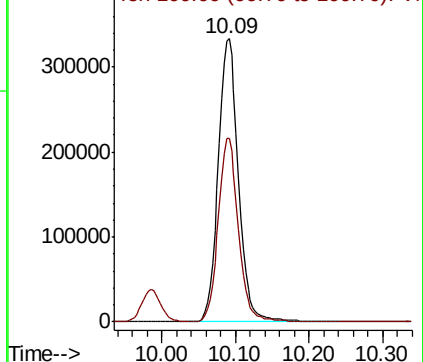
98 100

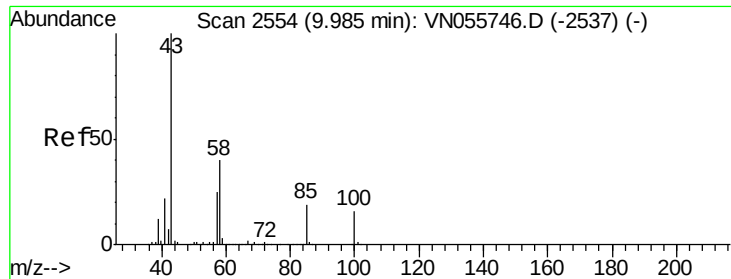
100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 95.175 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

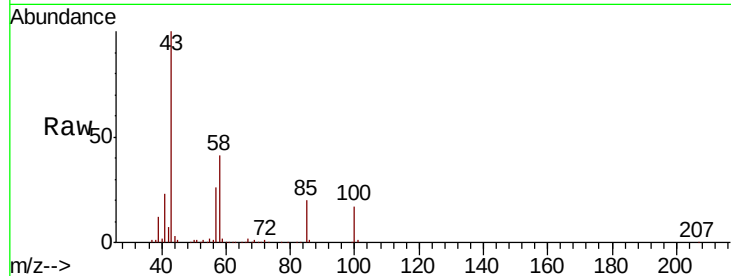
VN0524WBS03

Tot Ion: 43 Resp: 413707

Ion Ratio Lower Upper

43 100

58 40.4 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-2537) (-)

9.99

200000

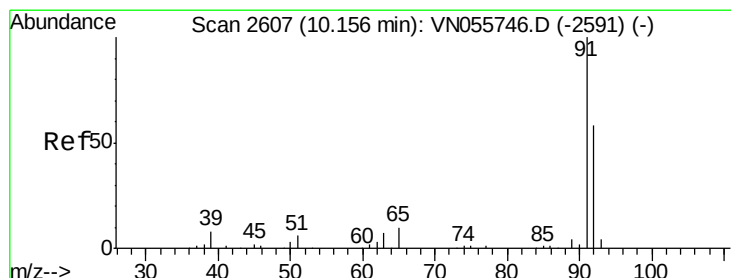
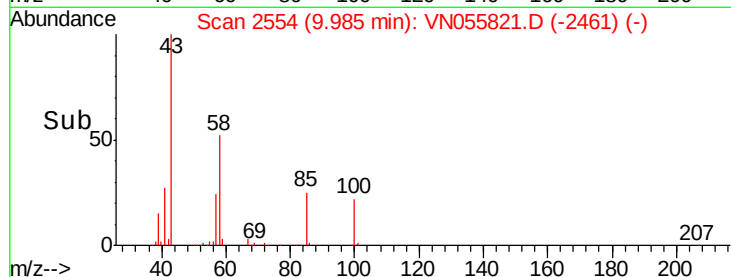
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.803 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055821.D

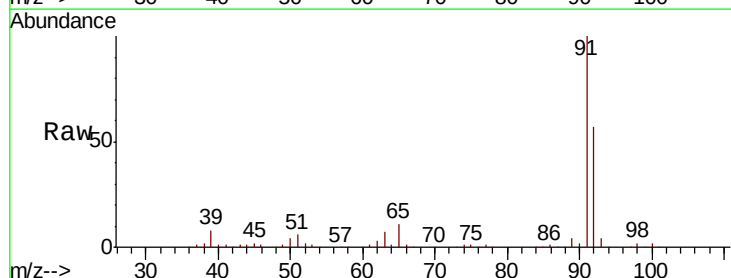
Acq: 25 May 2019 2:34

Tgt Ion: 92 Resp: 170127

Ion Ratio Lower Upper

92 100

91 173.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055746.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055746.D (-2591) (-)

10.16

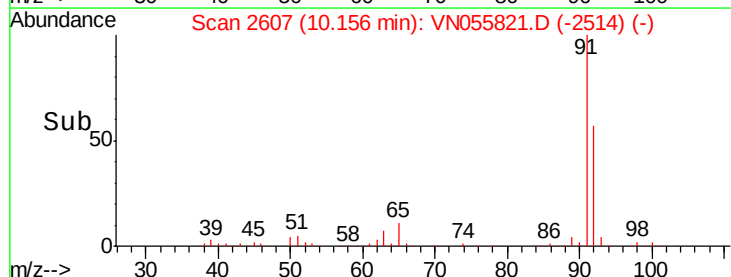
150000

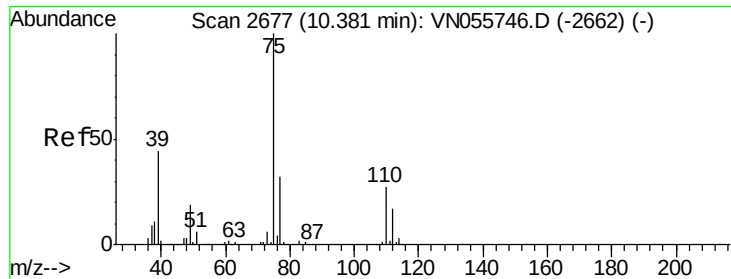
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.103 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampled :

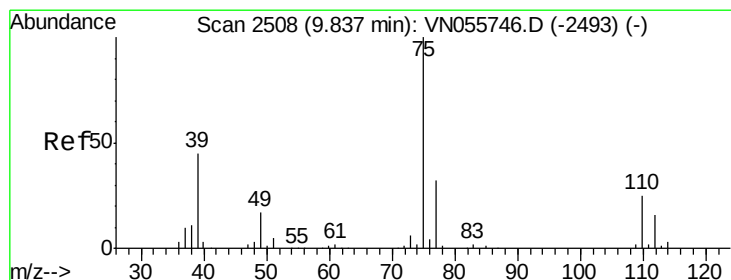
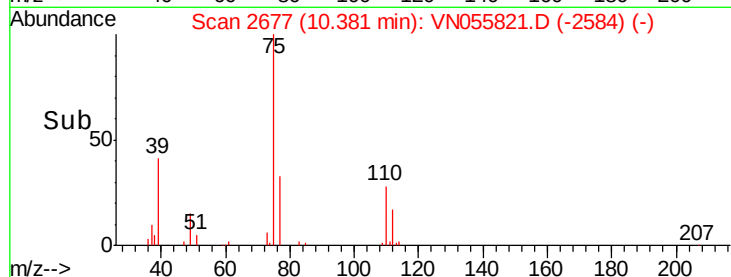
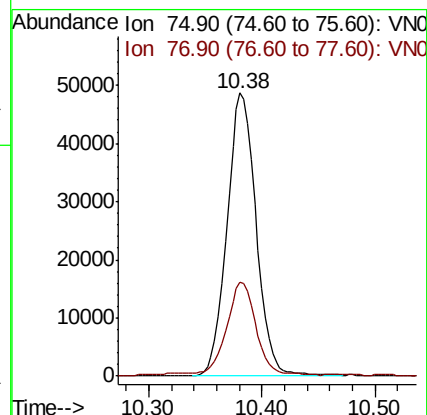
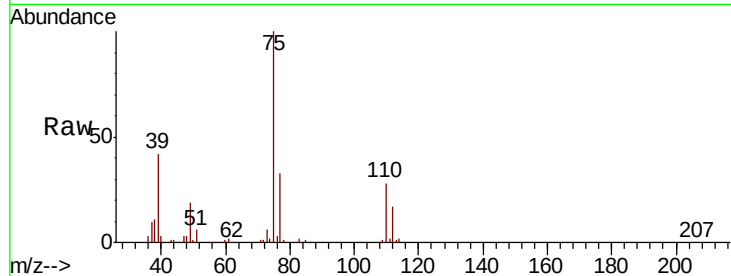
VN0524WBS03

Tot Ion: 75 Resp: 87369

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 17.291 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

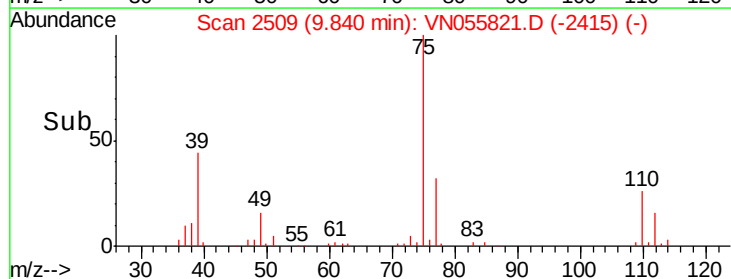
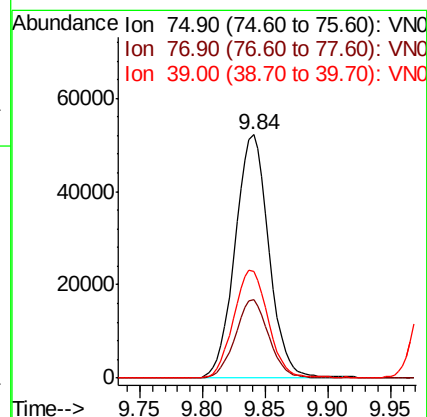
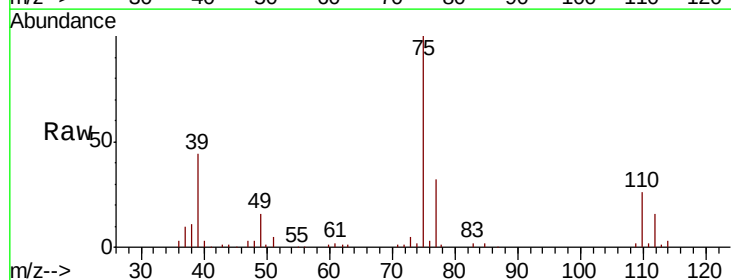
Tgt Ion: 75 Resp: 97857

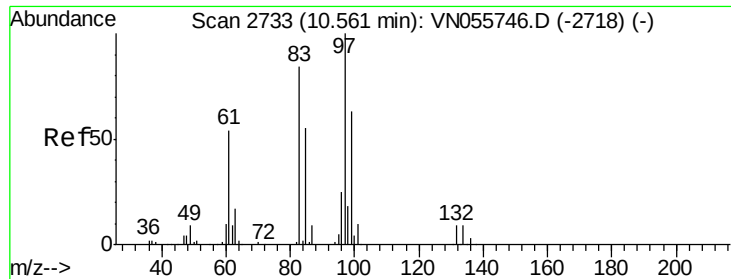
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

39 43.9 36.3 54.5

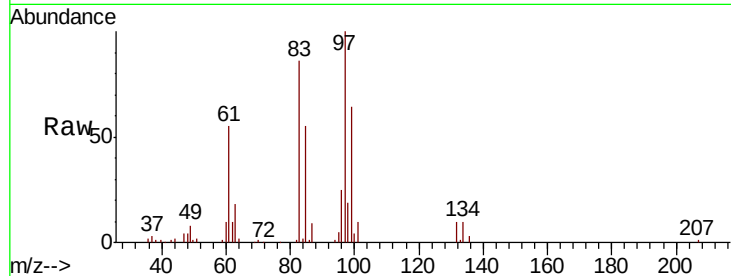




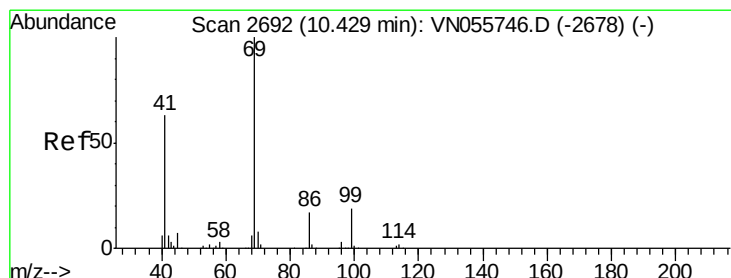
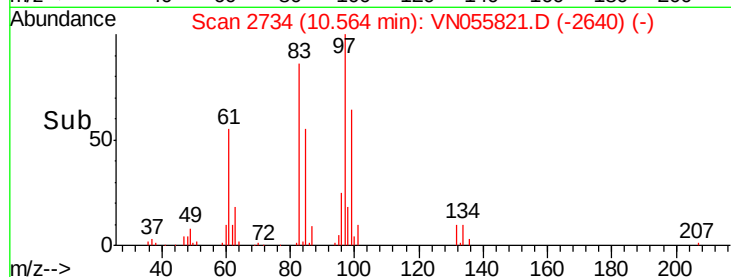
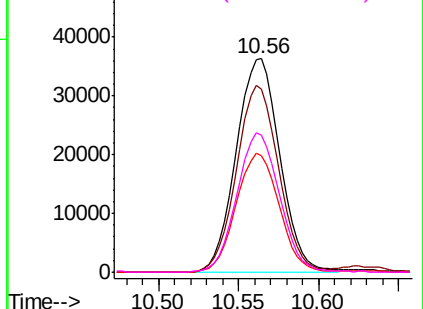
#55
 1,1,2-Trichloroethane
 Concen: 19.741 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0524WBS03

Tot Ion: 97 Resp: 67940
 Ion Ratio Lower Upper
 97 100
 83 85.5 67.0 100.6
 85 54.8 44.0 66.0
 99 64.1 50.6 75.8

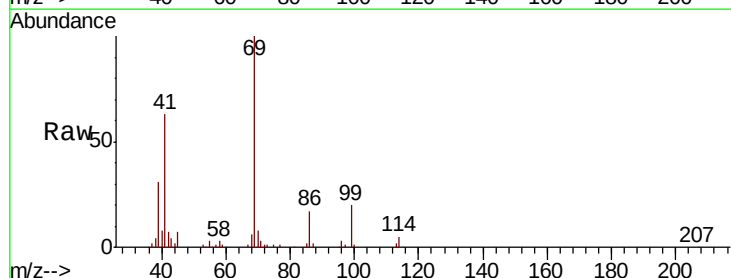


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

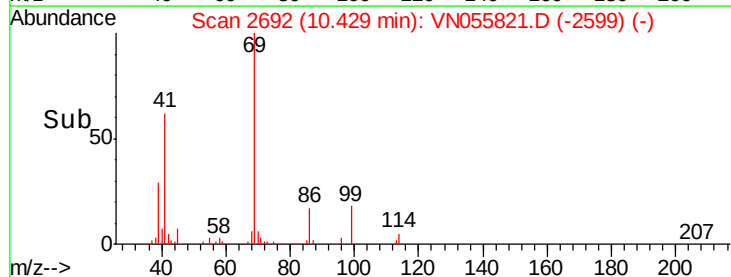
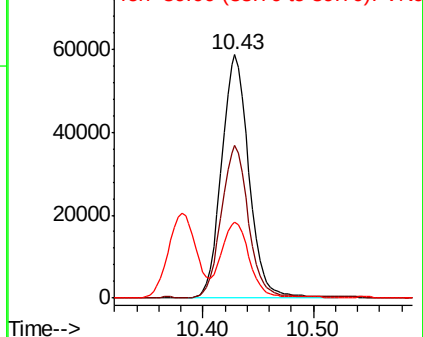


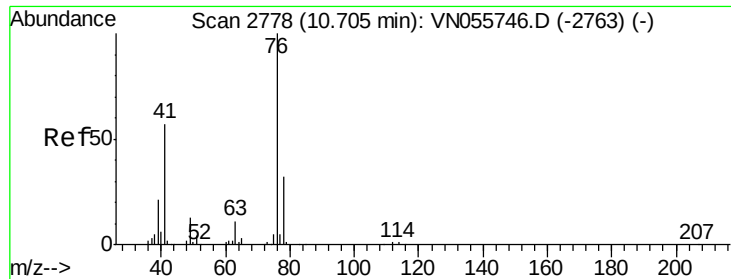
#56
 Ethyl methacrylate
 Concen: 19.010 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion: 69 Resp: 101110
 Ion Ratio Lower Upper
 69 100
 41 61.3 49.7 74.5
 39 31.7 24.7 37.1



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.792 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

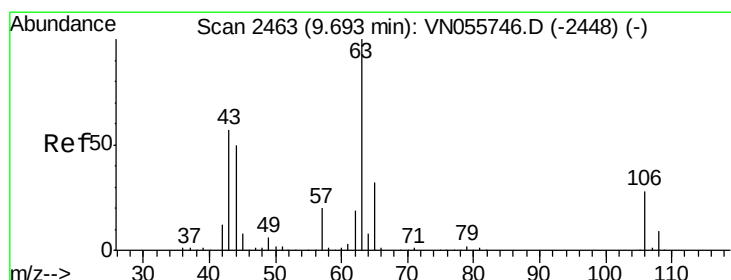
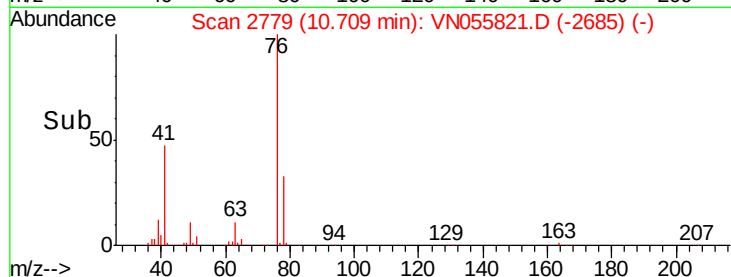
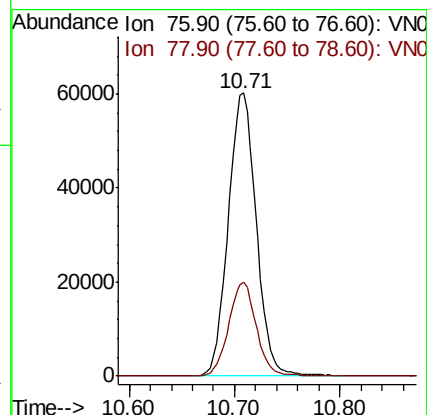
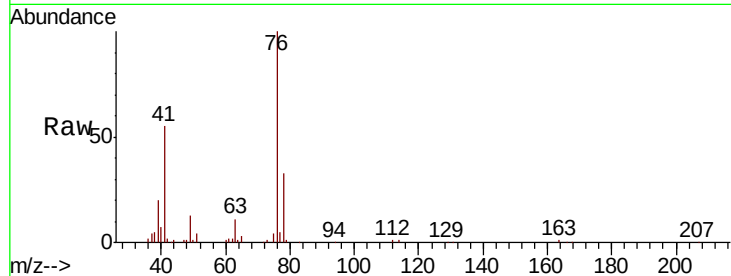
VN0524WBS03

Tot Ion: 76 Resp: 110719

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 88.604 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055821.D

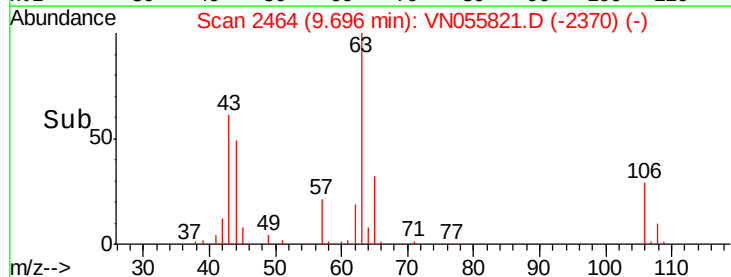
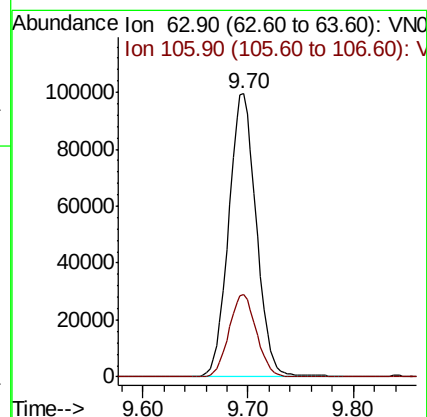
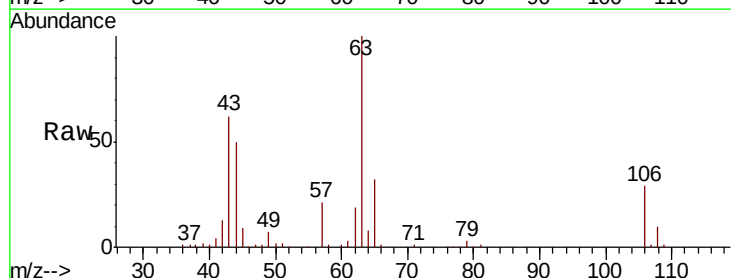
Acq: 25 May 2019 2:34

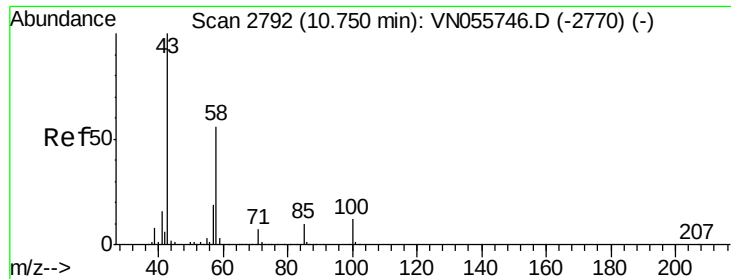
Tgt Ion: 63 Resp: 180103

Ion Ratio Lower Upper

63 100

106 29.0 22.7 34.1

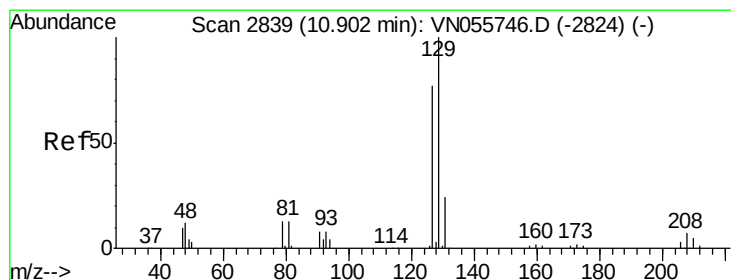
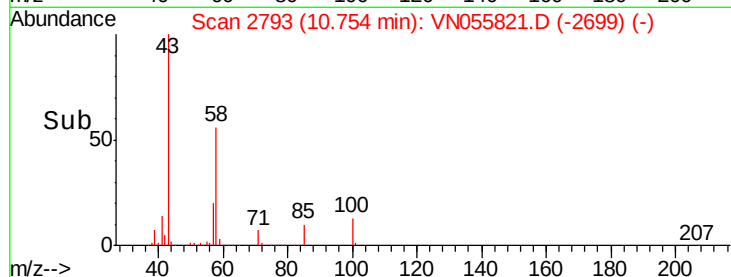
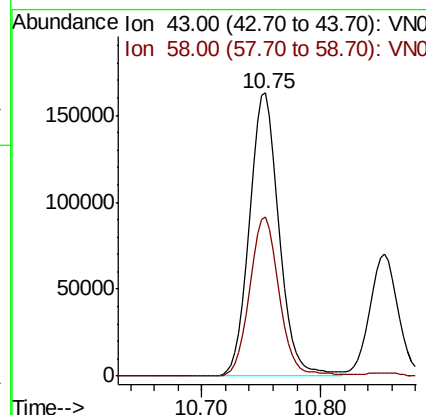
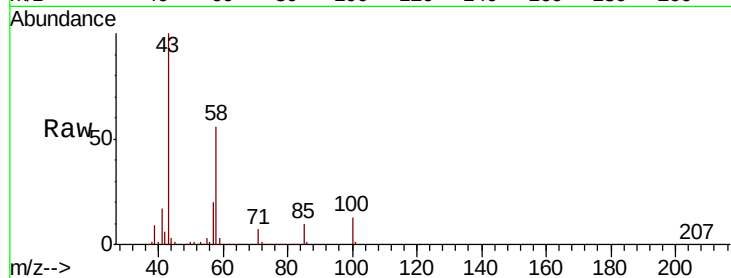




#59
2-Hexanone
Concen: 90.947 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

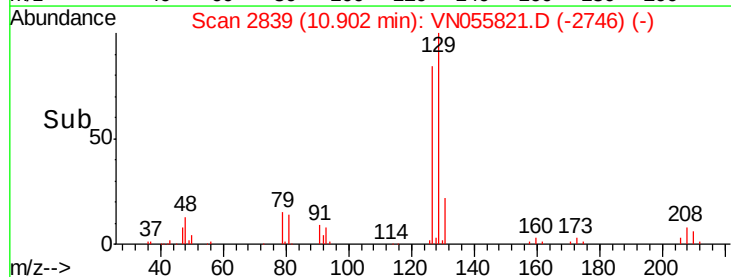
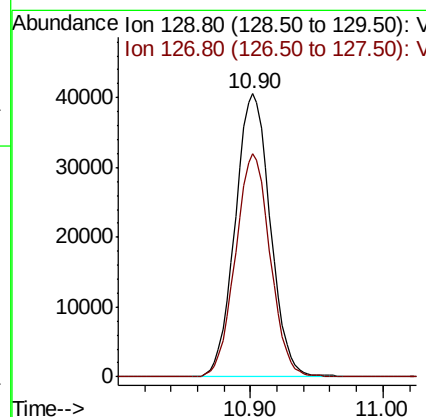
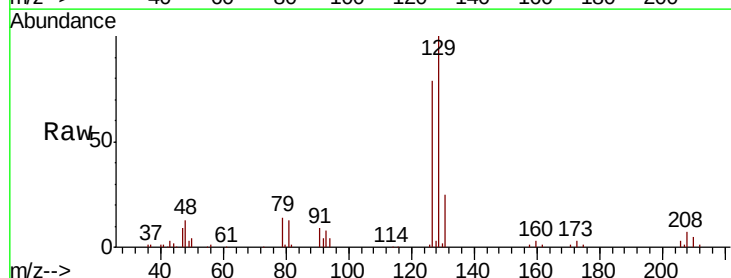
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

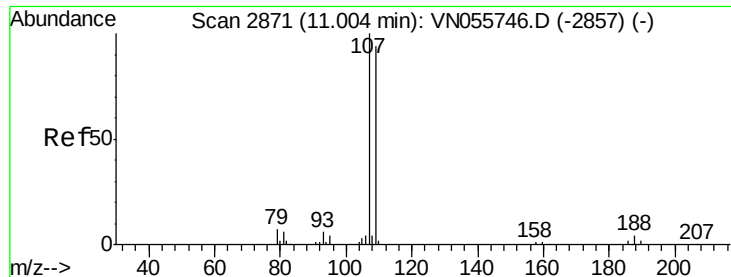
Tot Ion: 43 Resp: 280451
Ion Ratio Lower Upper
43 100
58 56.3 28.2 84.7



#60
Dibromochloromethane
Concen: 18.603 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion: 129 Resp: 74585
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.3

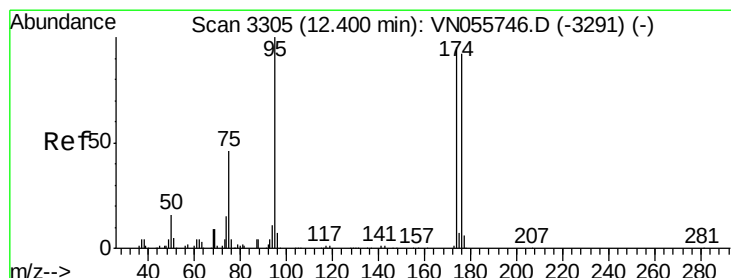
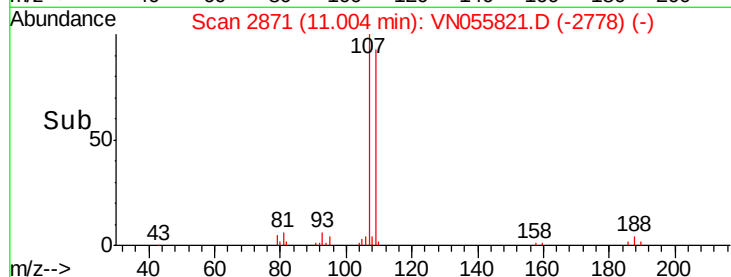
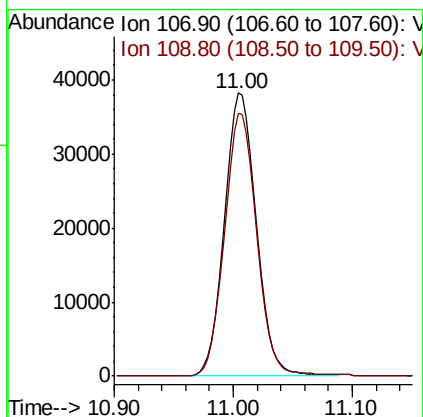
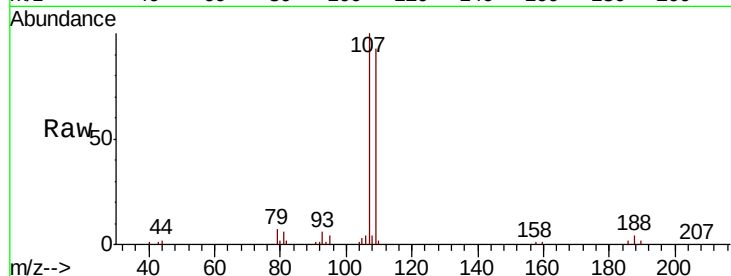




#61
 1,2-Dibromoethane
 Concen: 19.939 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

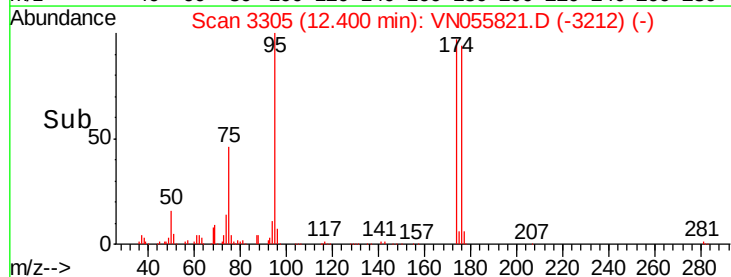
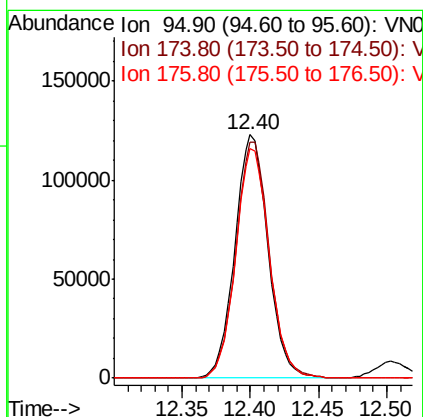
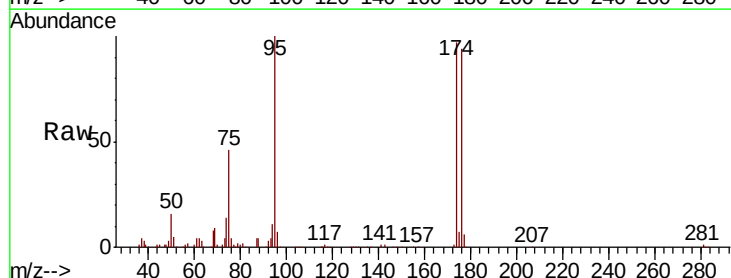
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

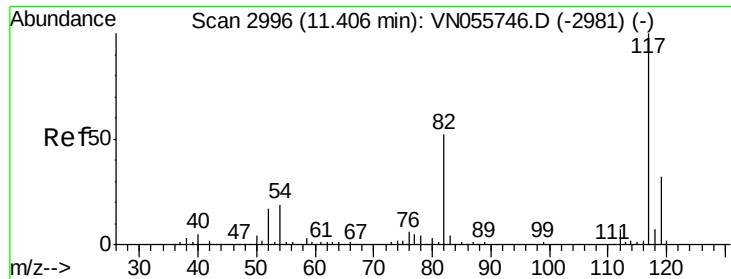
Tot Ion:107 Resp: 71178
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 47.886 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion: 95 Resp: 207102
 Ion Ratio Lower Upper
 95 100
 174 98.1 0.0 191.0
 176 95.6 0.0 185.2

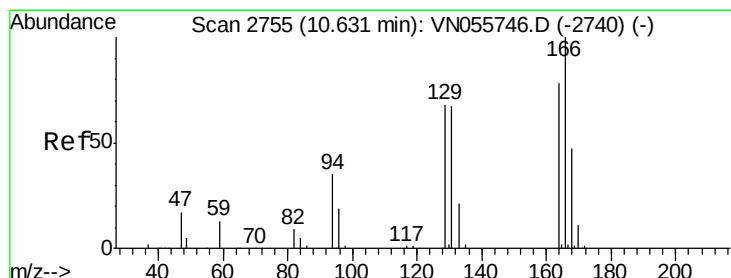
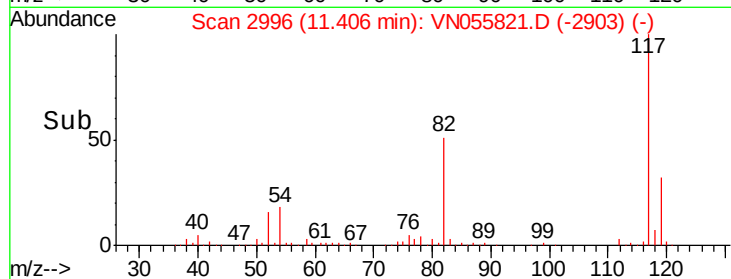
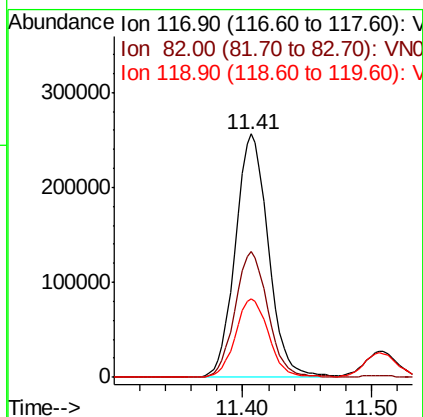
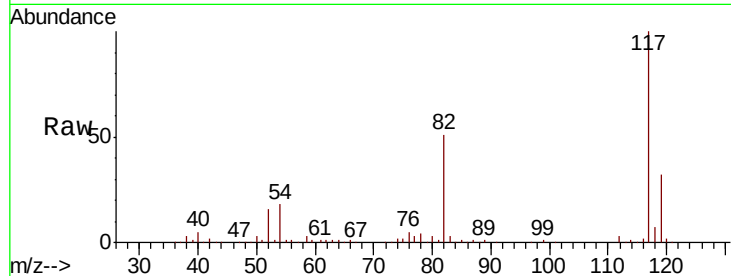




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

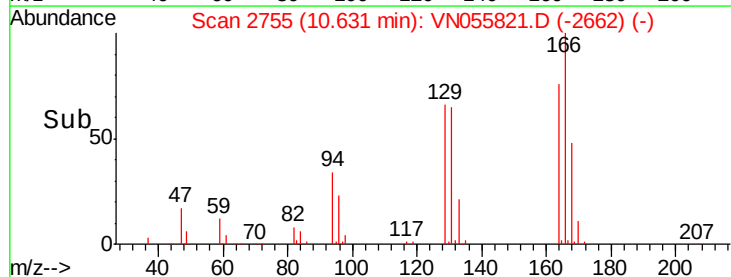
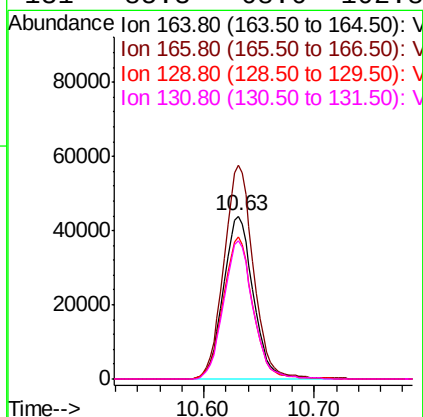
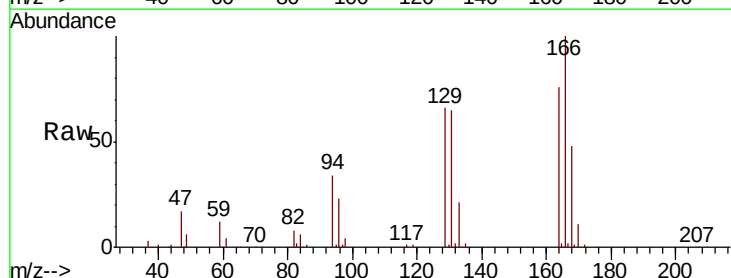
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

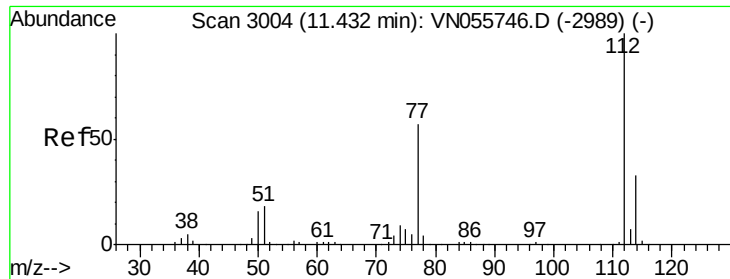
Tot Ion:117 Resp: 456881
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 32.4 25.4 38.0



#64
Tetrachloroethene
Concen: 21.452 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion:164 Resp: 82665
Ion Ratio Lower Upper
164 100
166 131.2 103.0 154.6
129 87.0 70.6 105.8
131 85.3 68.6 102.8

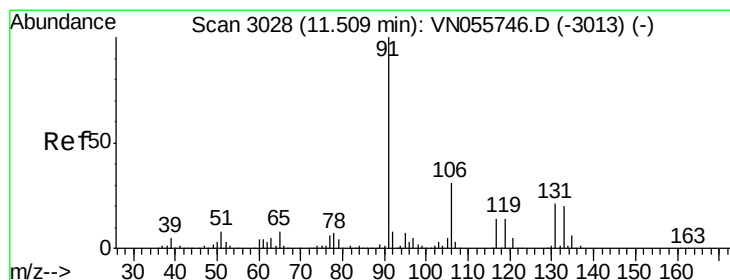
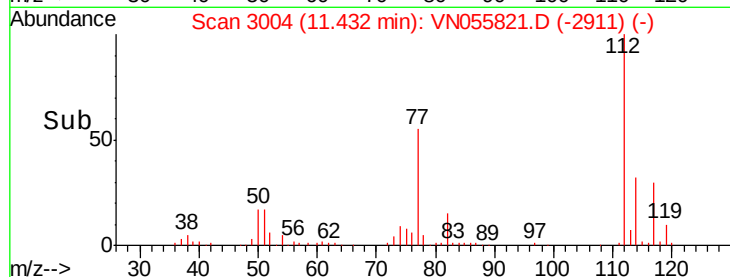
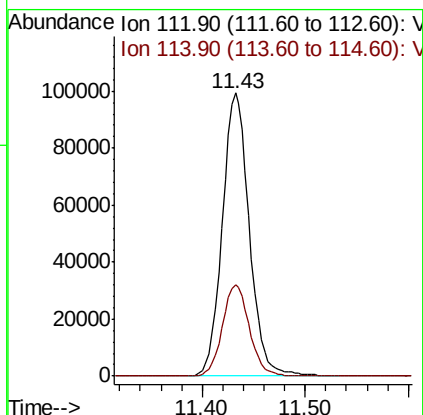
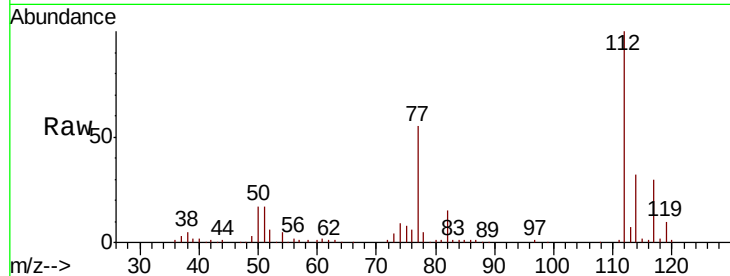




#65
Chlorobenzene
Concen: 19.767 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

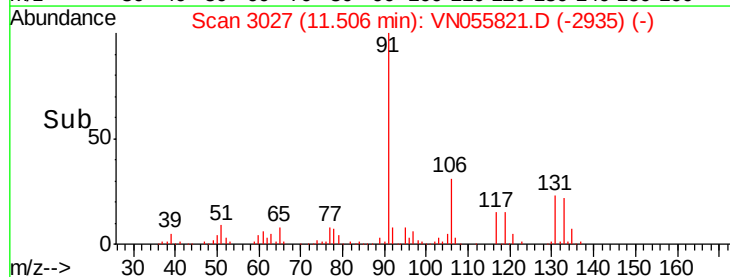
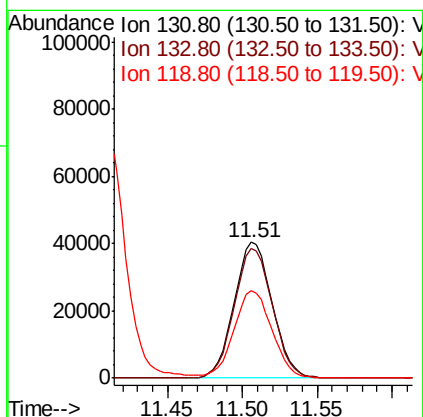
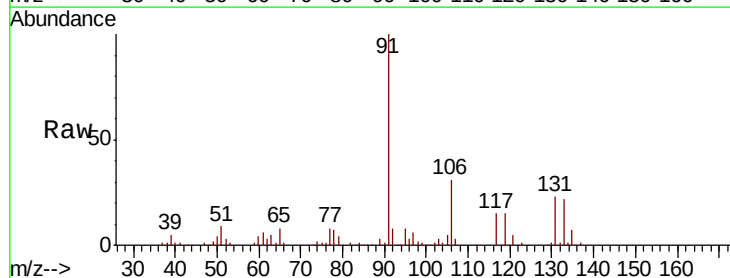
Instrument :
MSVOA_N
ClientSampled :
VN0524WBS03

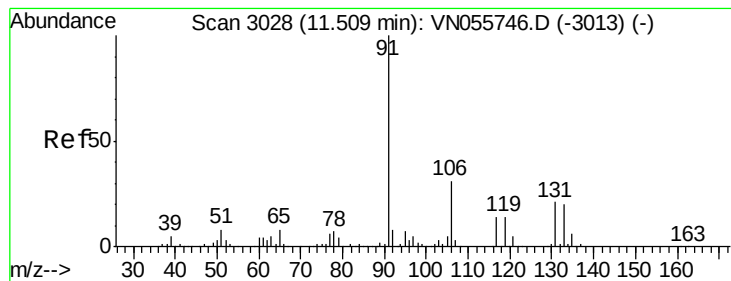
Tot Ion:112 Resp: 180793
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.630 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion:131 Resp: 71606
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 64.7 33.1 99.5





#67

Ethyl Benzene

Concen: 19.395 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampled :

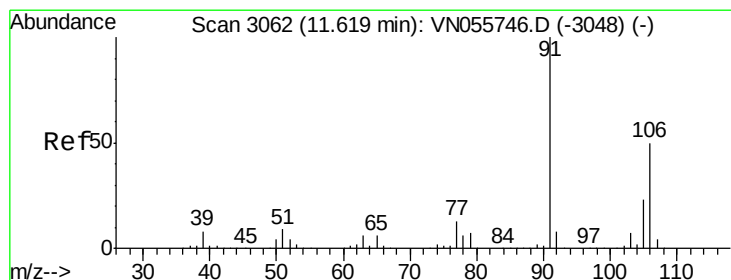
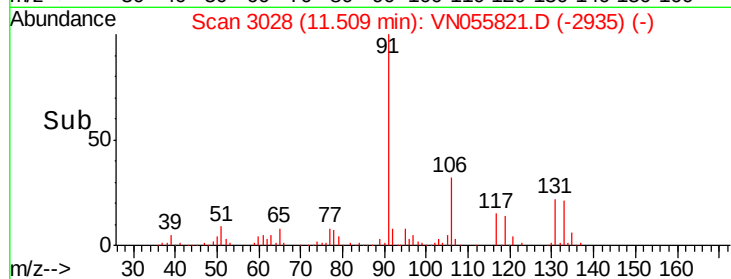
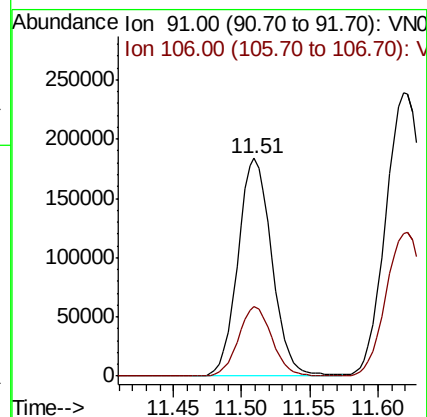
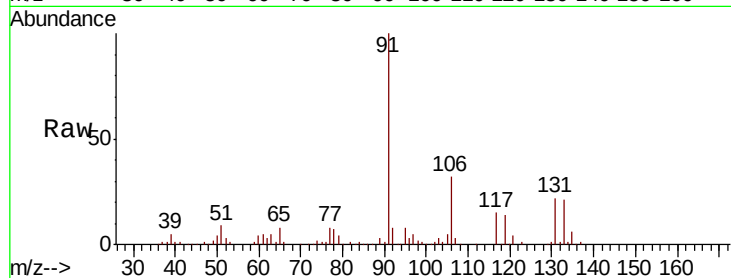
VN0524WBS03

Tot Ion: 91 Resp: 318120

Ion Ratio Lower Upper

91 100

106 31.9 25.1 37.7



#68

m/p-Xylenes

Concen: 39.066 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055821.D

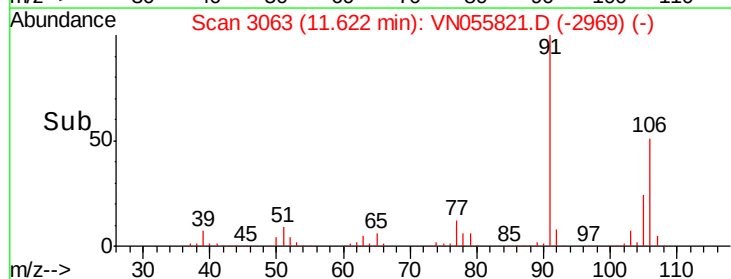
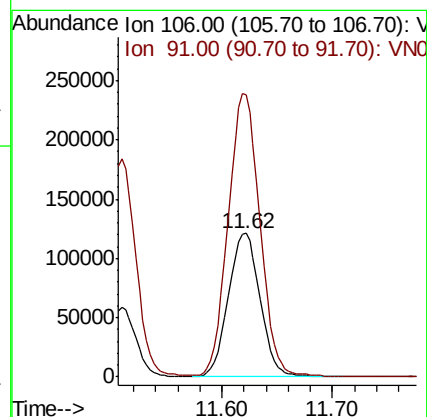
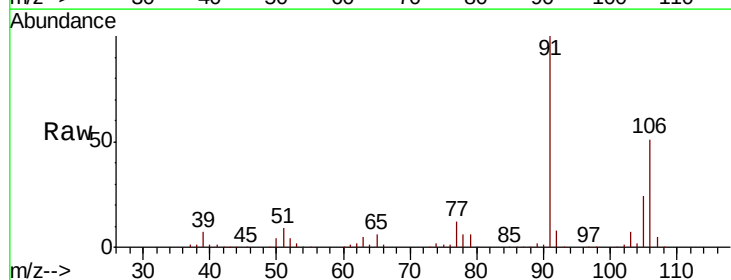
Acq: 25 May 2019 2:34

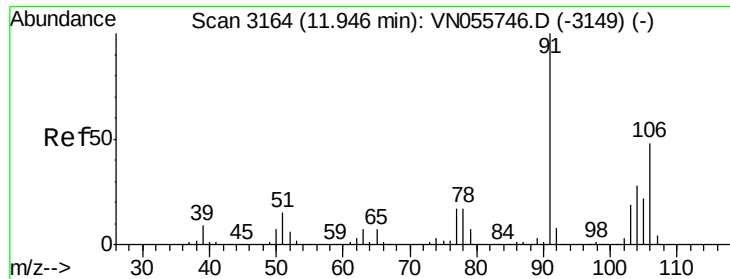
Tgt Ion: 106 Resp: 242239

Ion Ratio Lower Upper

106 100

91 197.3 159.3 238.9

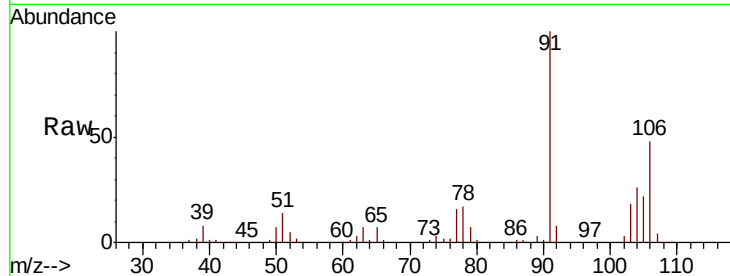




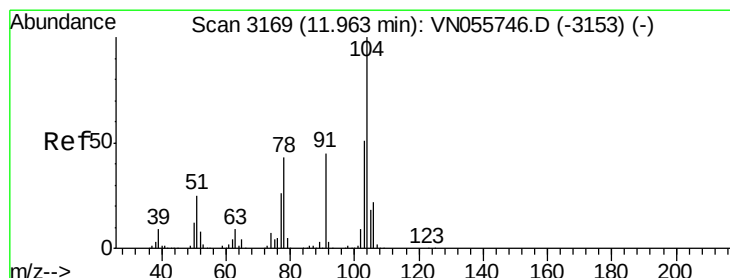
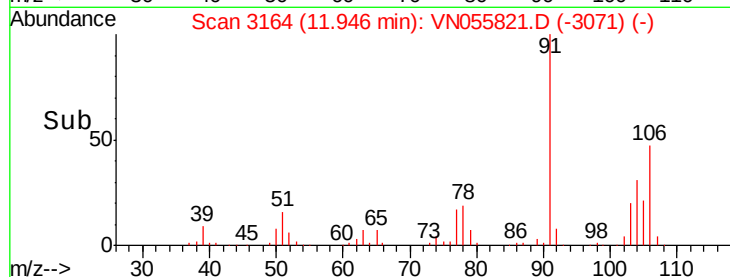
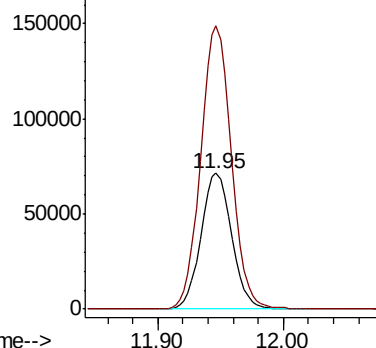
#69
o-Xylene
Concen: 19.740 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS03

Tot Ion:106 Resp: 121439
Ion Ratio Lower Upper
106 100
91 207.3 104.7 314.1

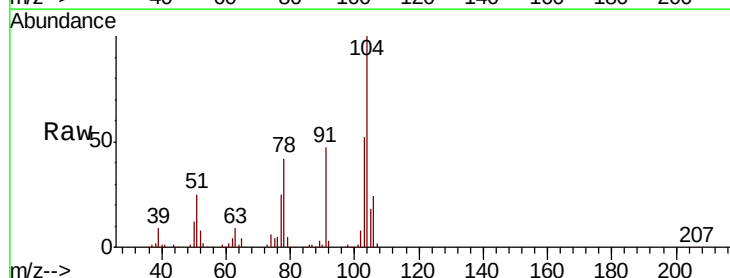


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

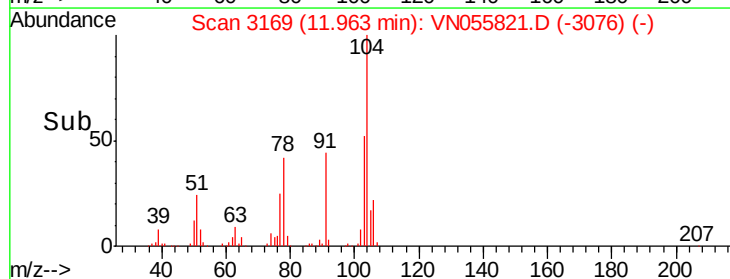
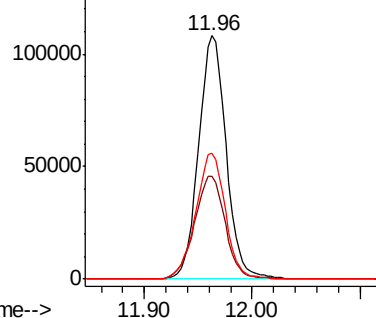


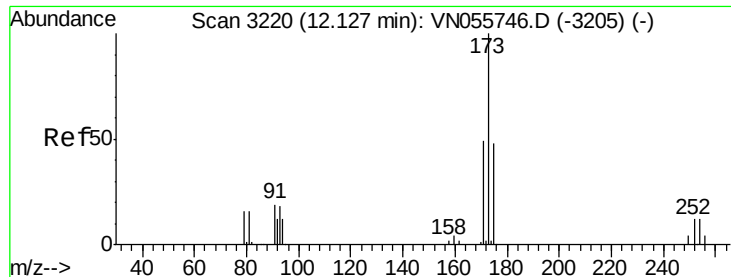
#70
Styrene
Concen: 19.367 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion:104 Resp: 192938
Ion Ratio Lower Upper
104 100
78 47.1 37.8 56.6
103 55.4 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.140 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

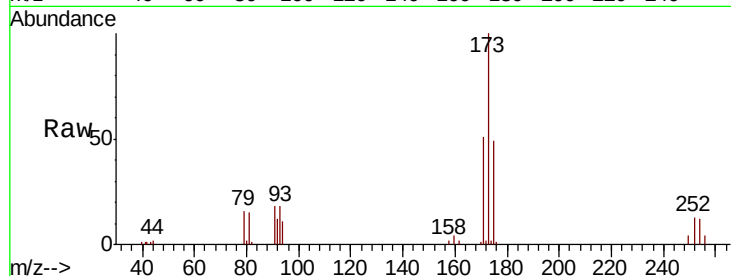
Tot Ion:173 Resp: 56442

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.8

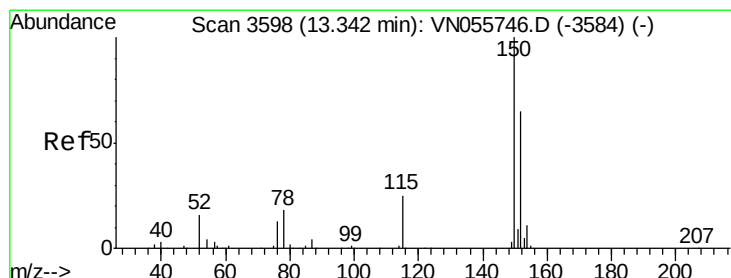
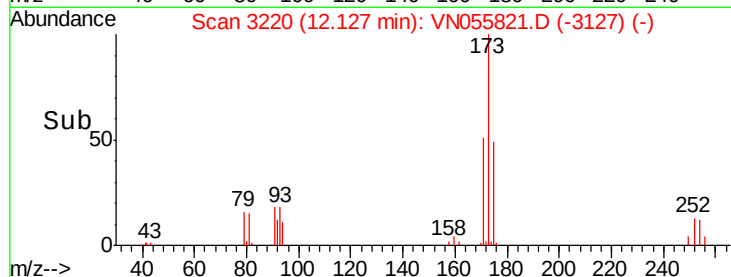
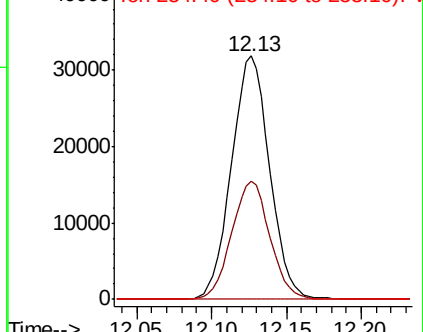
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

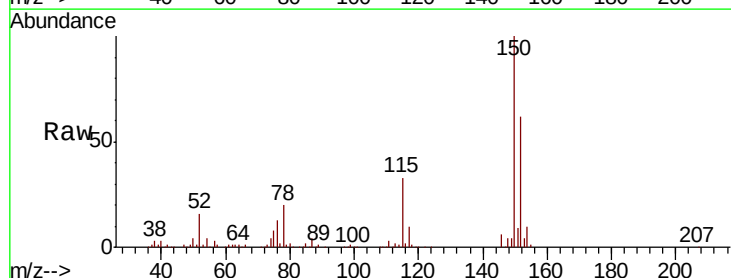
Tgt Ion:152 Resp: 188152

Ion Ratio Lower Upper

152 100

115 52.9 27.0 81.0

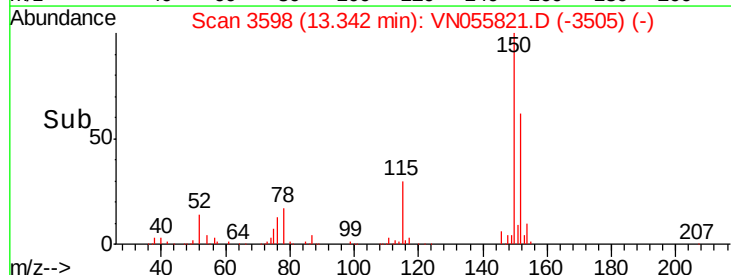
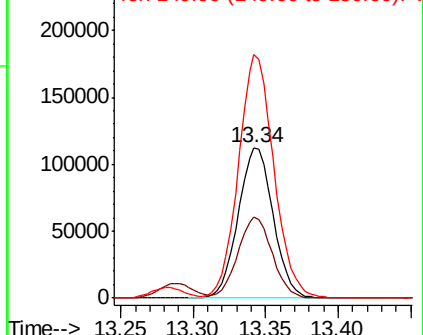
150 164.1 0.0 343.2

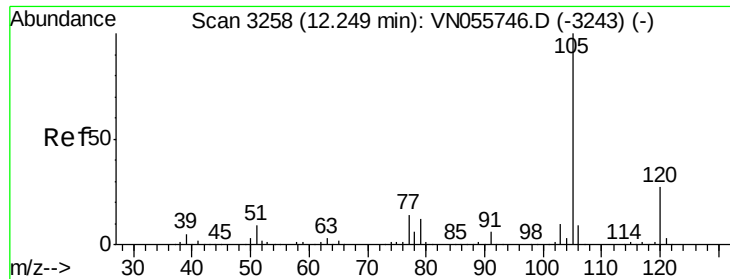


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.080 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

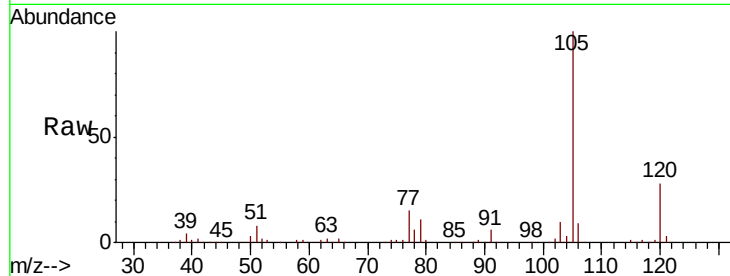
VN0524WBS03

Tot Ion:105 Resp: 315445

Ion Ratio Lower Upper

105 100

120 27.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

150000

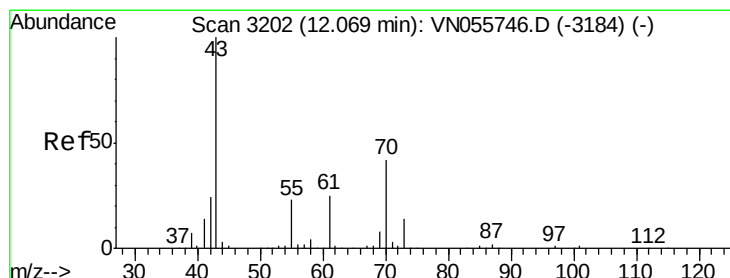
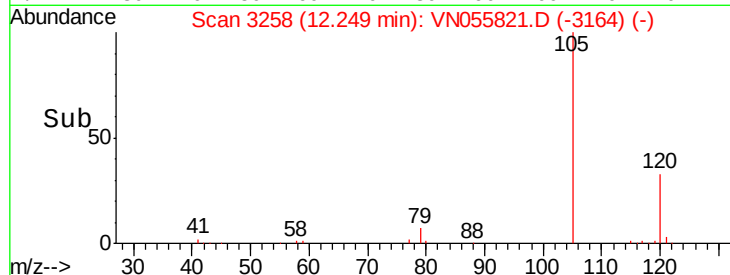
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 19.409 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Tgt Ion: 43 Resp: 105994

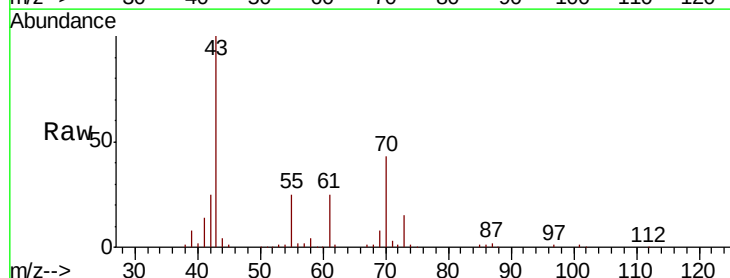
Ion Ratio Lower Upper

43 100

70 43.9 34.0 51.0

55 24.6 18.6 28.0

61 25.1 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

100000

80000

60000

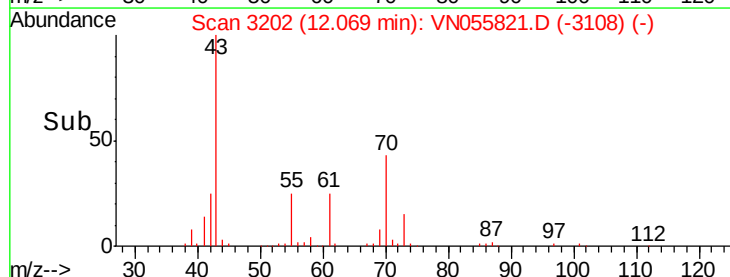
40000

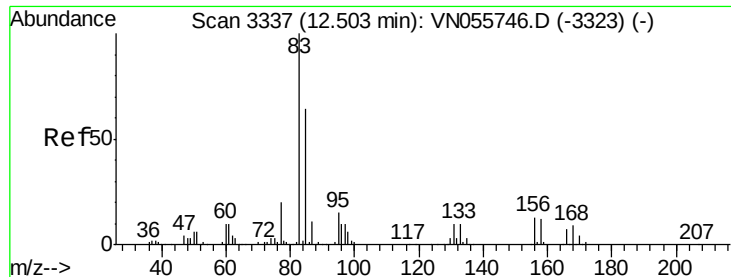
20000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 21.468 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

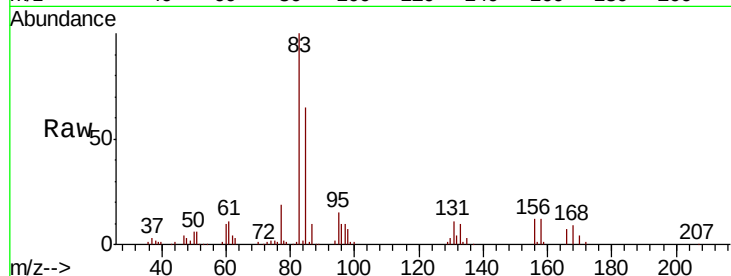
Tot Ion: 83 Resp: 92591

Ion Ratio Lower Upper

83 100

131 11.1 5.4 16.2

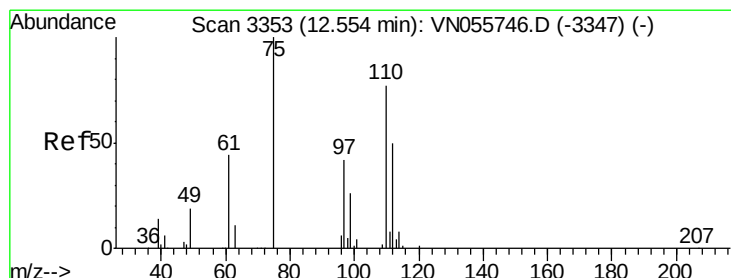
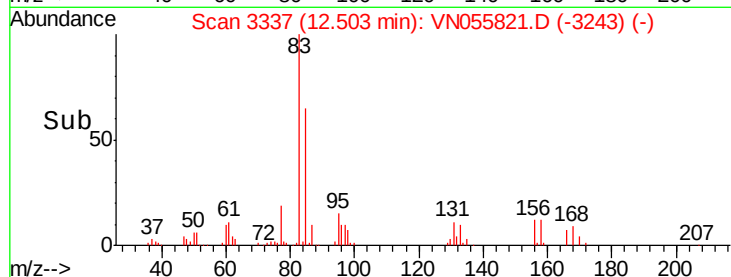
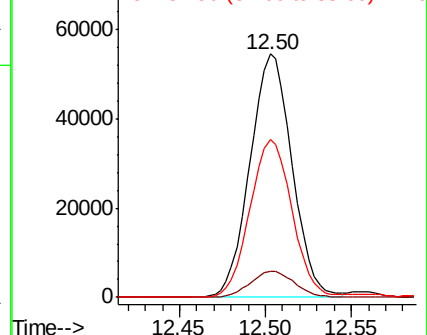
85 65.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055821.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055821.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055821.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 31.814 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055821.D

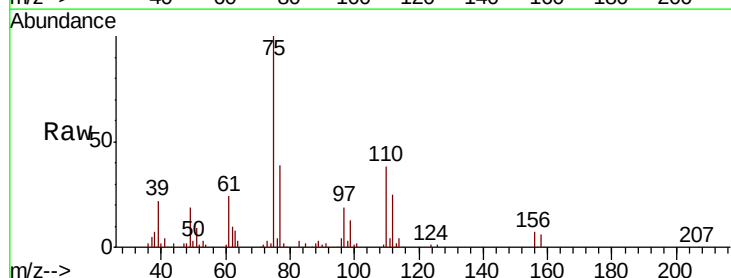
Acq: 25 May 2019 2:34

Tgt Ion: 75 Resp: 106782

Ion Ratio Lower Upper

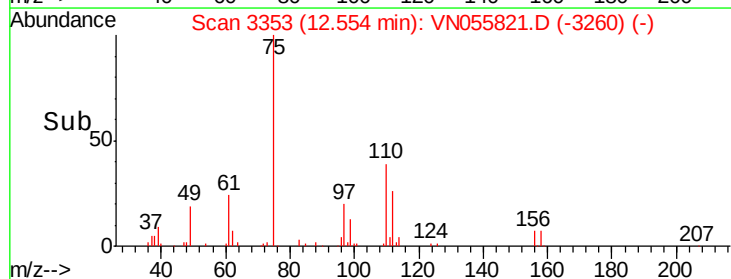
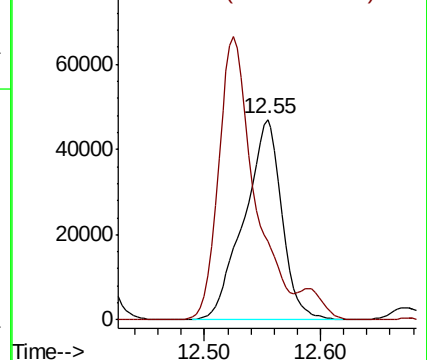
75 100

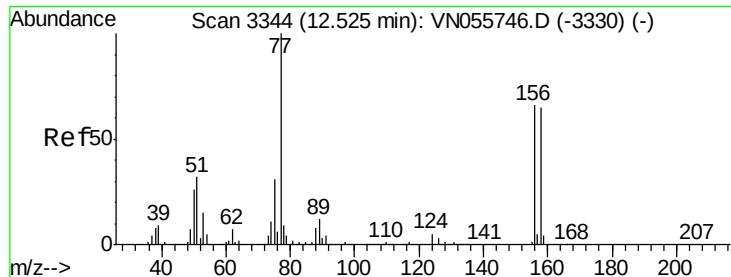
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055821.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055821.D (-3260) (-)





#77

Bromobenzene

Concen: 20.909 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampled :

VN0524WBS03

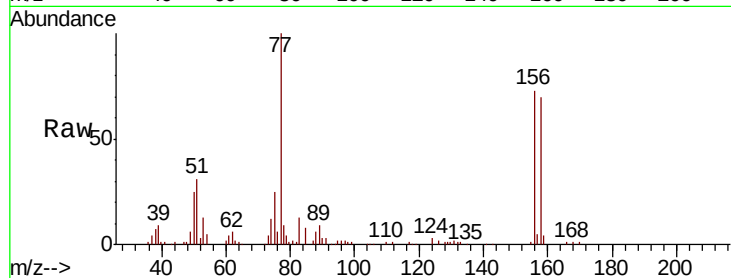
Tot Ion:156 Resp: 83948

Ion Ratio Lower Upper

156 100

77 170.4 90.8 272.5

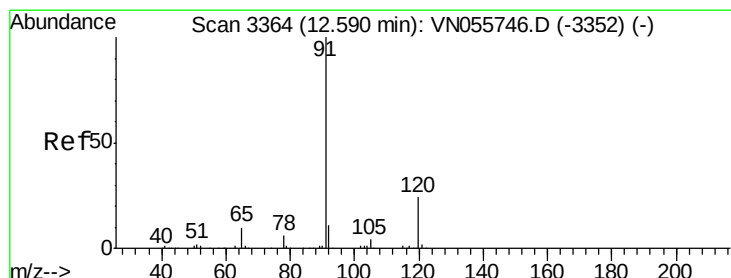
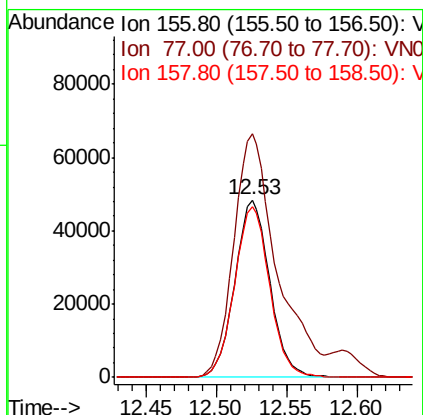
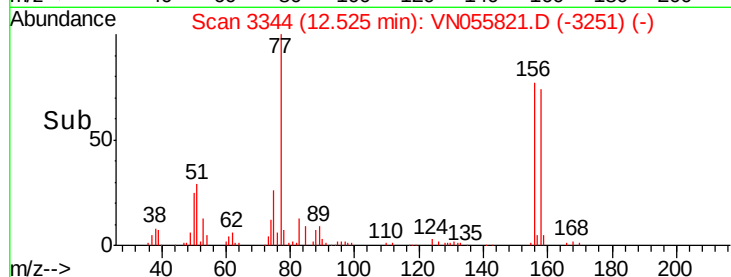
158 96.8 49.3 147.8



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: 19.541 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055821.D

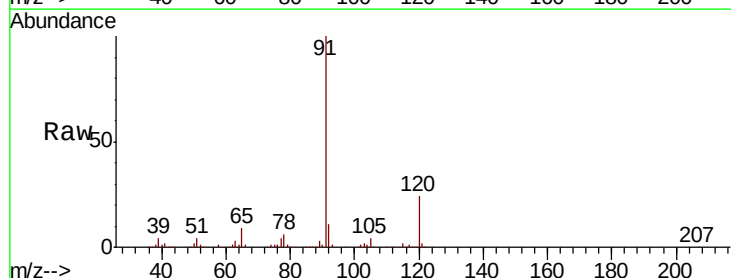
Acq: 25 May 2019 2:34

Tgt Ion: 91 Resp: 319557

Ion Ratio Lower Upper

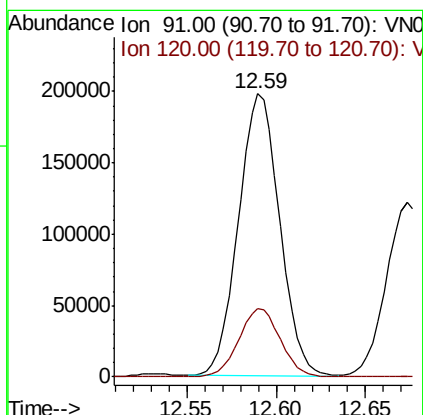
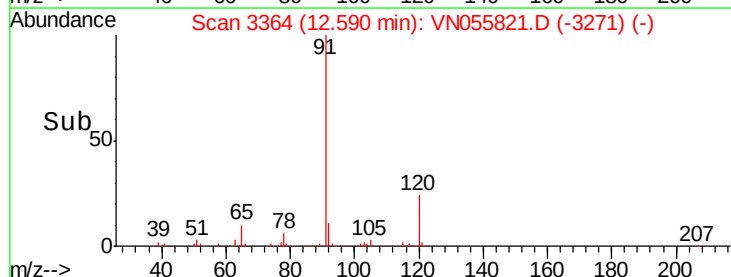
91 100

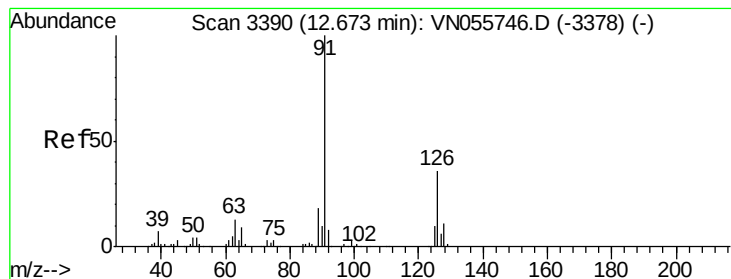
120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.634 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampled :

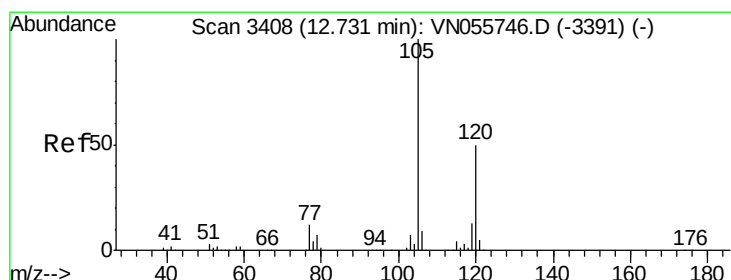
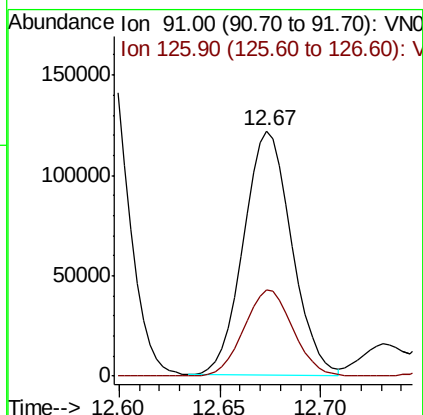
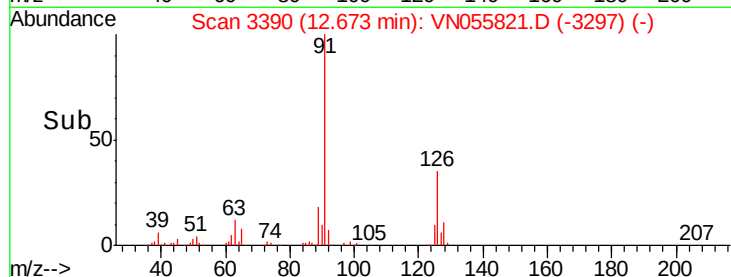
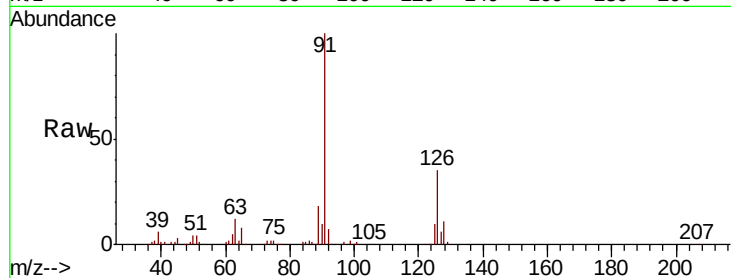
VN0524WBS03

Tot Ion: 91 Resp: 203297

Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 21.420 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055821.D

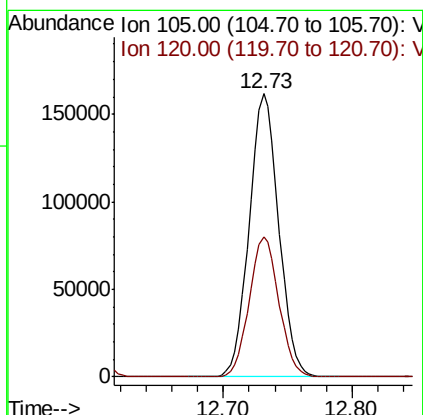
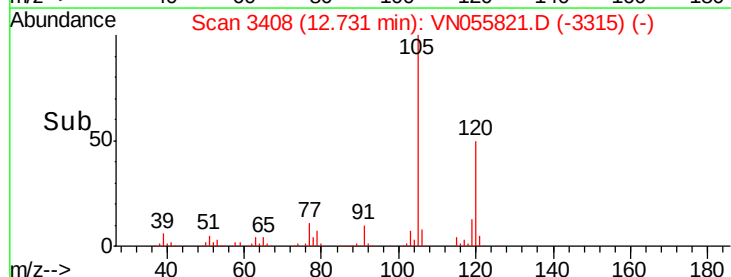
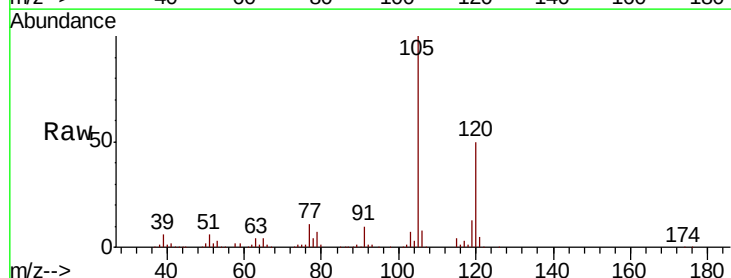
Acq: 25 May 2019 2:34

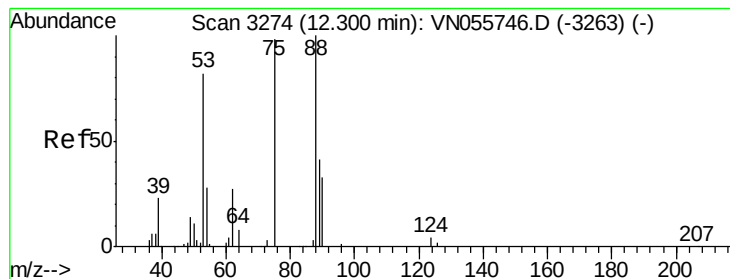
Tgt Ion: 105 Resp: 257791

Ion Ratio Lower Upper

105 100

120 49.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 15.077 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

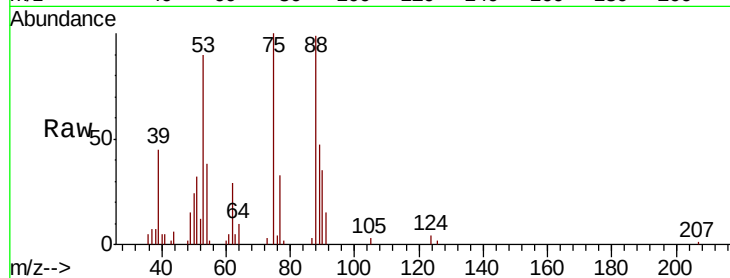
Tot Ion: 75 Resp: 21084

Ion Ratio Lower Upper

75 100

53 93.1 68.1 102.1

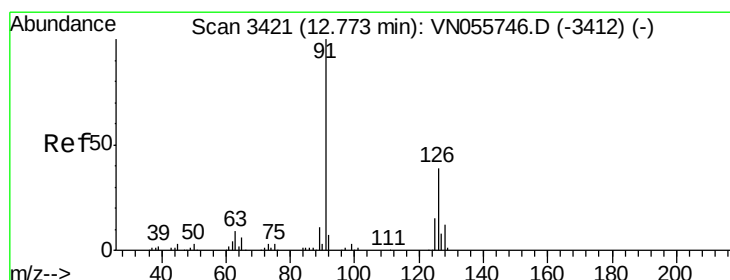
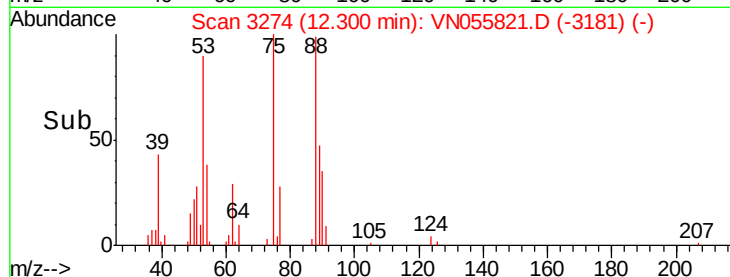
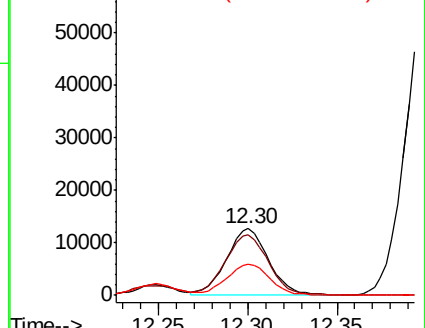
89 47.4 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.482 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055821.D

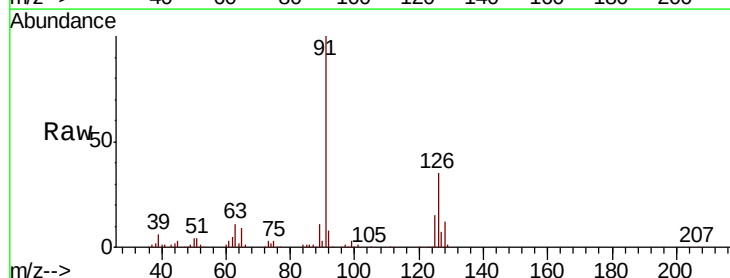
Acq: 25 May 2019 2:34

Tgt Ion: 91 Resp: 187272

Ion Ratio Lower Upper

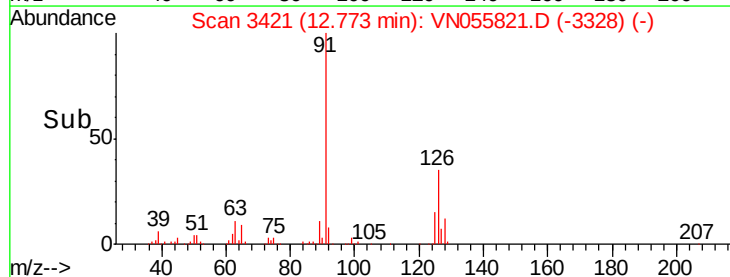
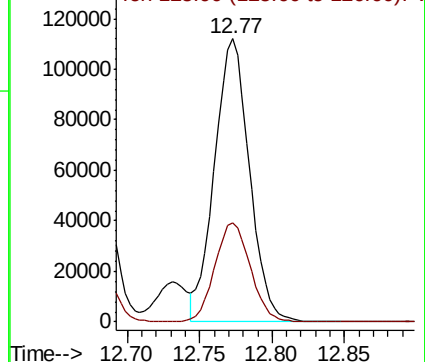
91 100

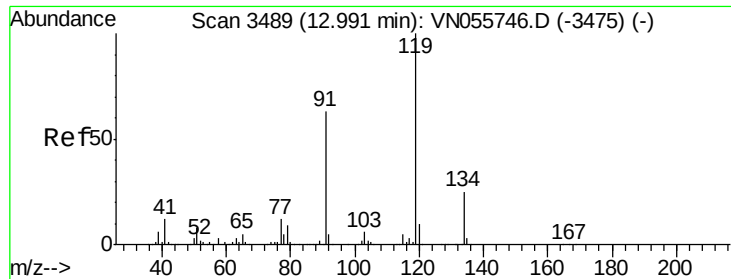
126 35.5 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

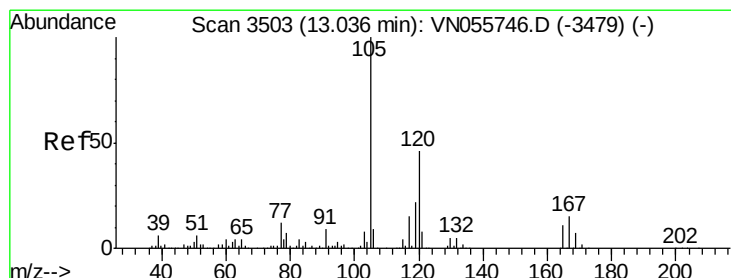
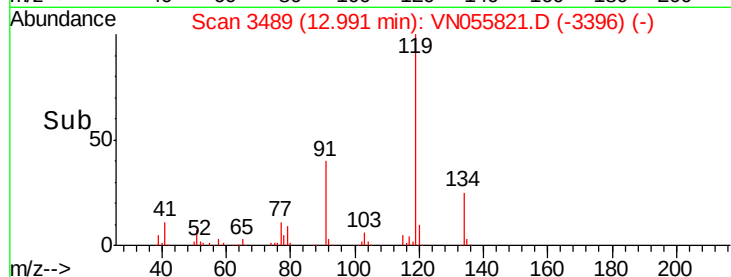
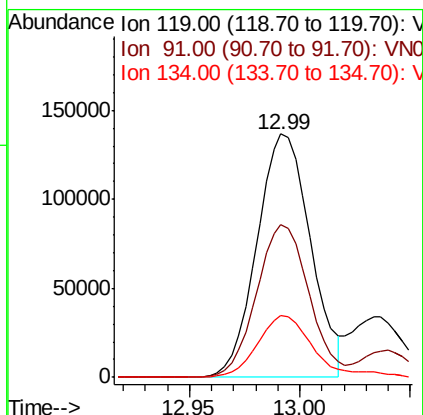
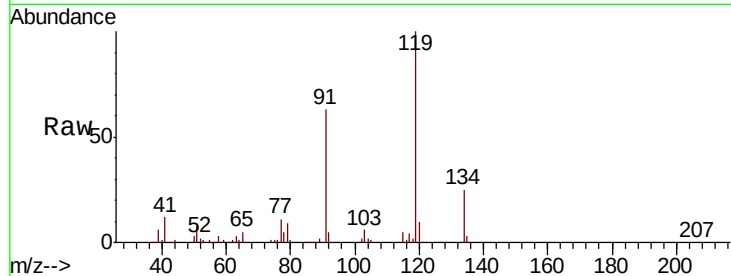




#83
 tert-Butylbenzene
 Concen: 21.915 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

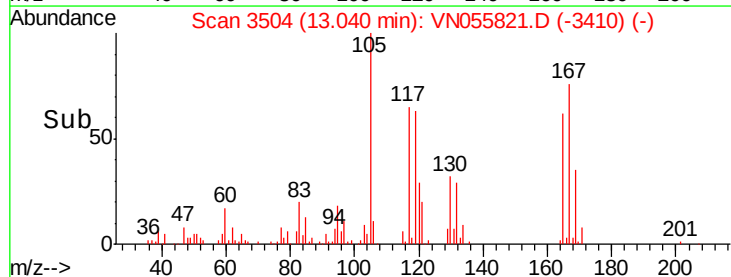
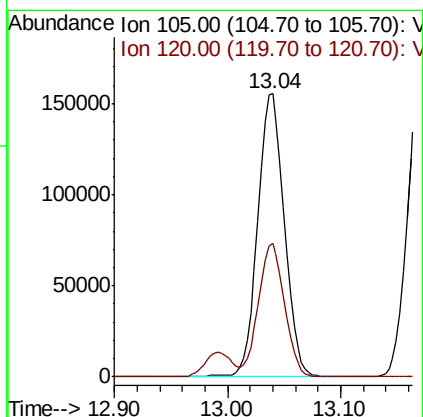
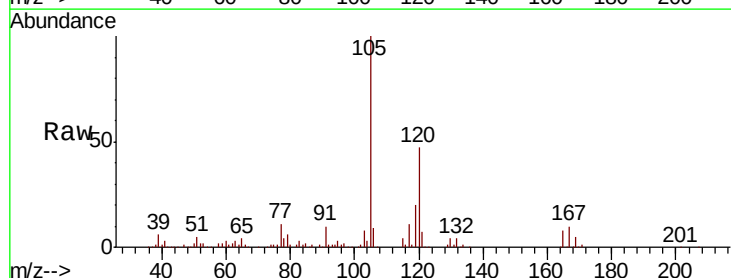
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

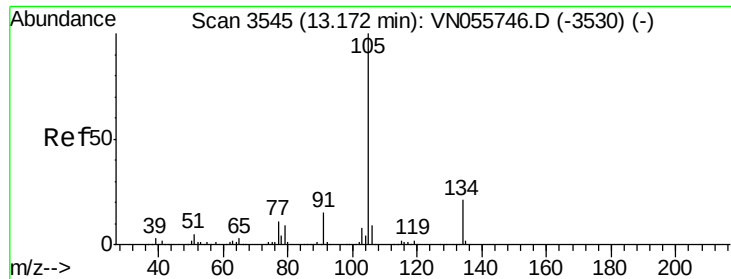
Tot Ion:119 Resp: 229961
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.9 92.8
 134 26.7 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.210 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion:105 Resp: 253714
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.835 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

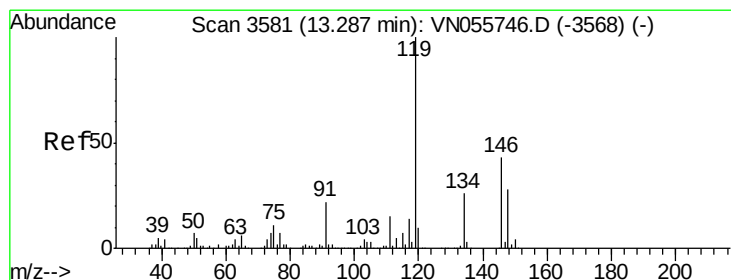
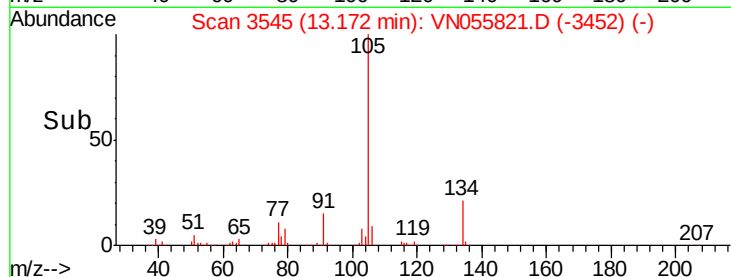
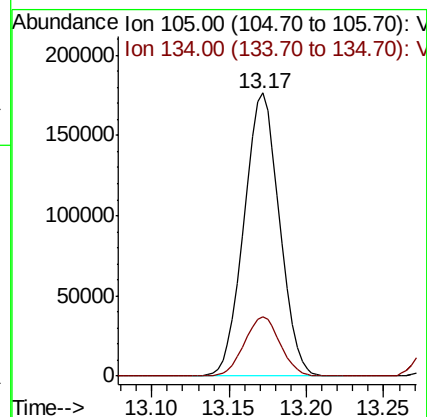
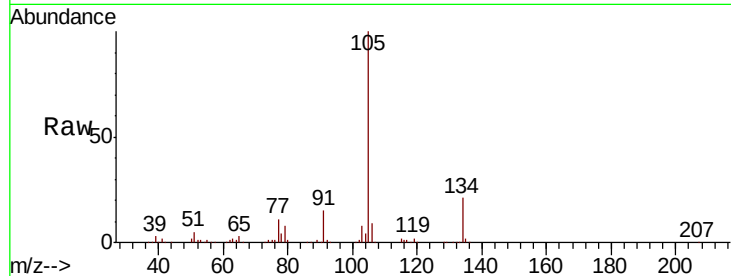
VN0524WBS03

Tot Ion:105 Resp: 281343

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.2



#86

p-Isopropyltoluene

Concen: 19.517 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

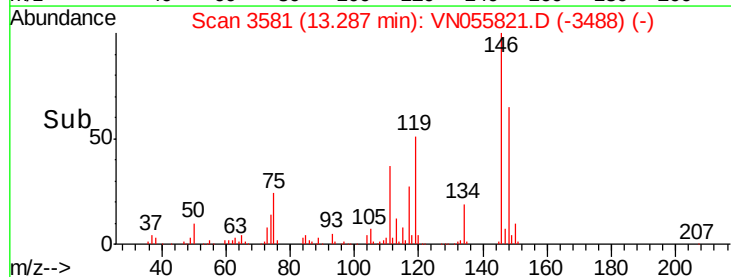
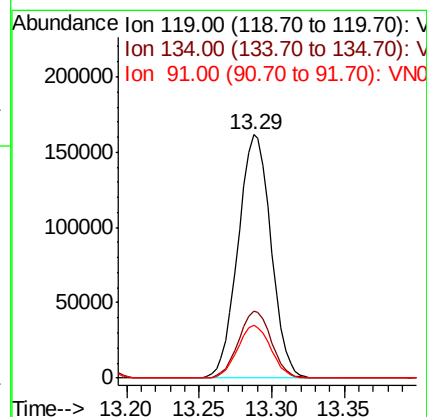
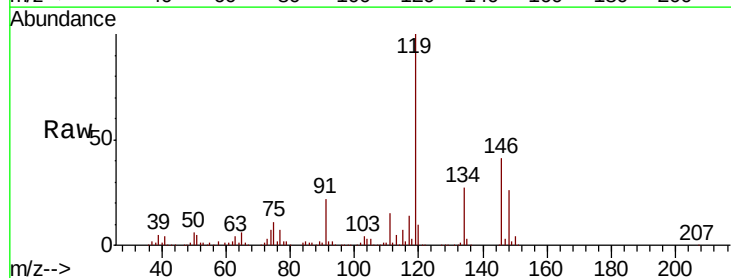
Tgt Ion:119 Resp: 255019

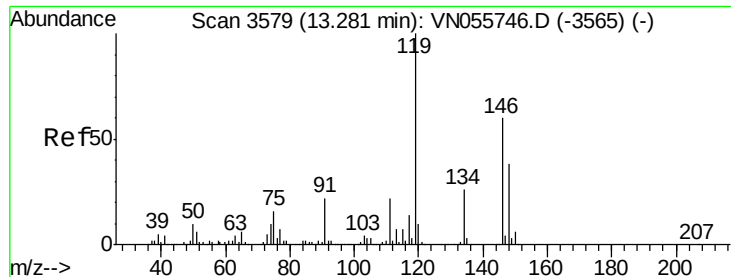
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

91 21.8 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 19.823 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampled :

VN0524WBS03

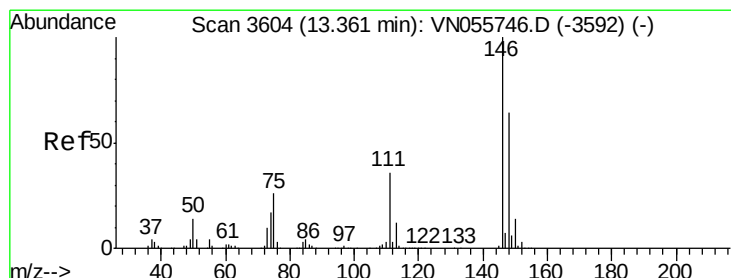
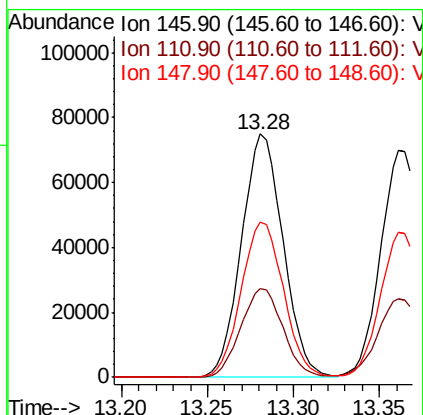
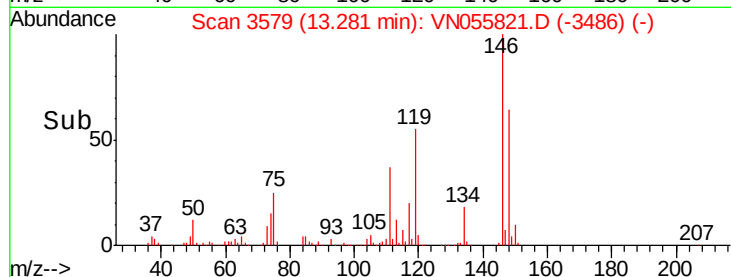
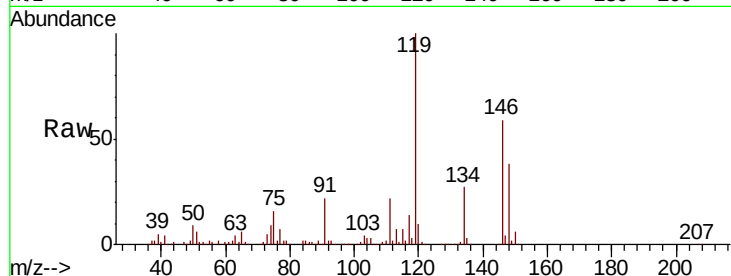
Tot Ion:146 Resp: 126026

Ion Ratio Lower Upper

146 100

111 37.0 18.5 55.5

148 64.7 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 19.458 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

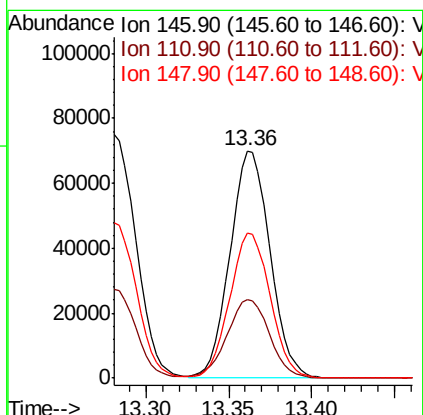
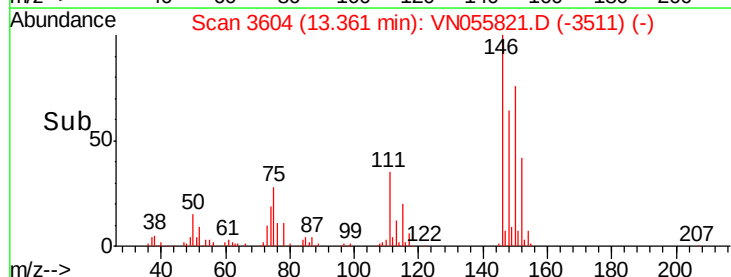
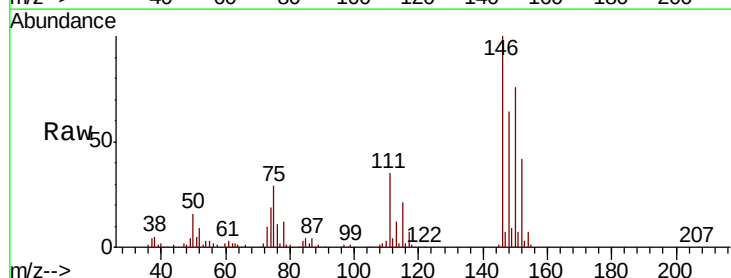
Tgt Ion:146 Resp: 117609

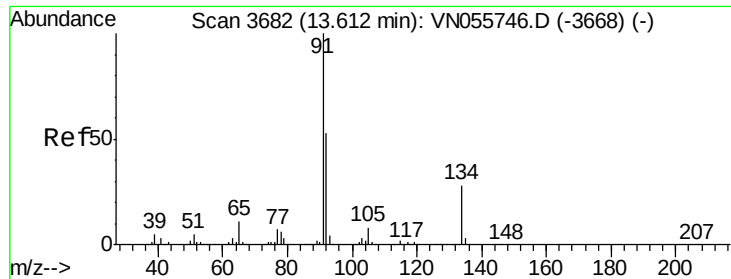
Ion Ratio Lower Upper

146 100

111 36.6 18.1 54.4

148 64.7 32.1 96.5

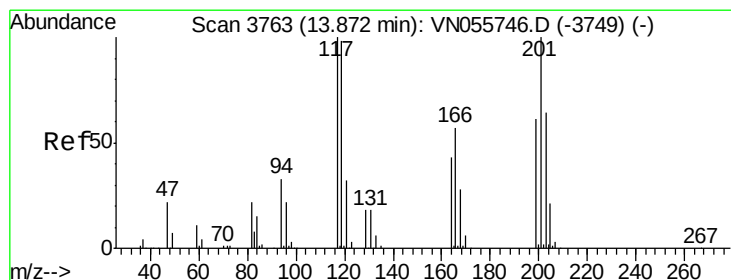
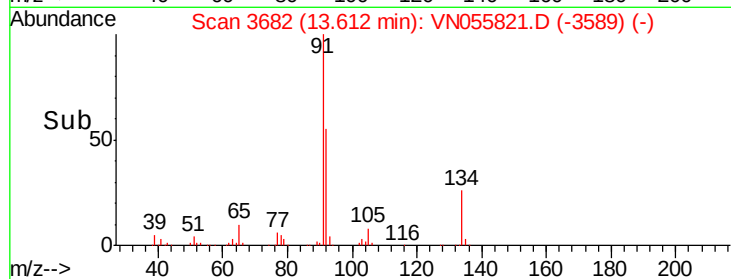
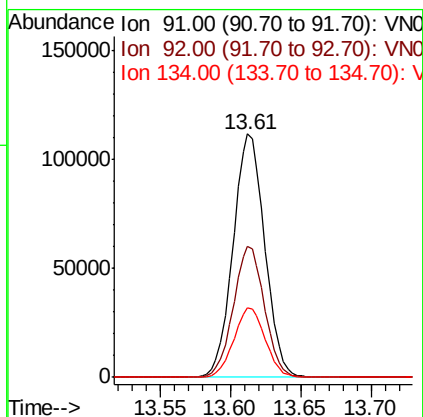
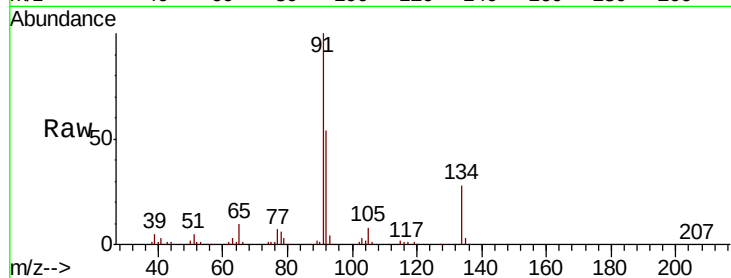




#89
n-Butylbenzene
Concen: 17.549 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

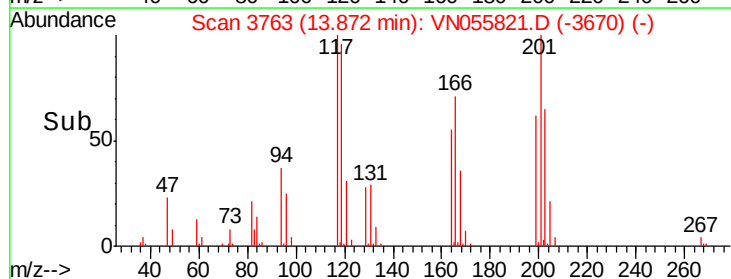
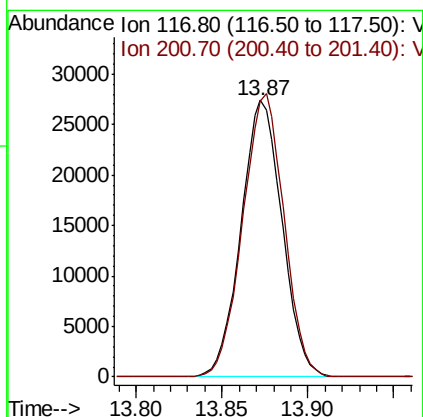
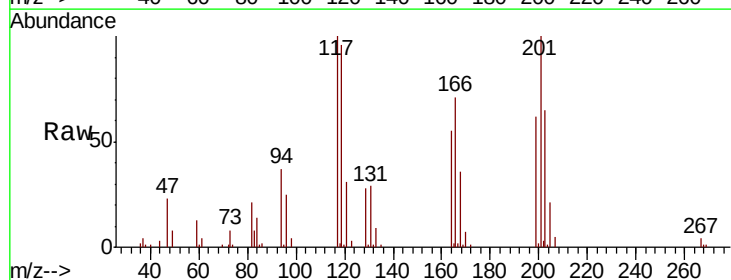
Instrument :
MSVOA_N
ClientSampled :
VN0524WBS03

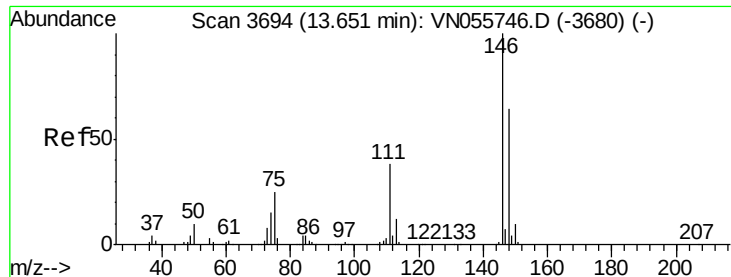
Tot Ion: 91 Resp: 175689
Ion Ratio Lower Upper
91 100
92 52.8 26.4 79.0
134 28.3 13.9 41.7



#90
Hexachloroethane
Concen: 18.219 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055821.D
Acq: 25 May 2019 2:34

Tgt Ion: 117 Resp: 45312
Ion Ratio Lower Upper
117 100
201 102.8 50.0 150.0

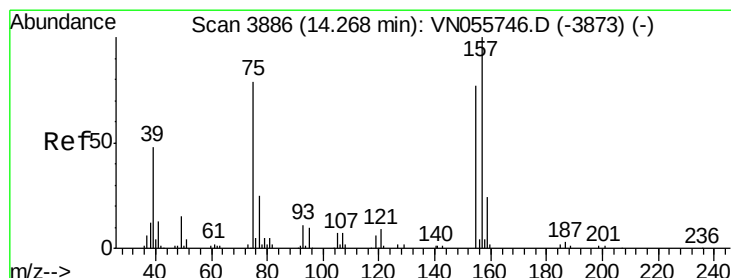
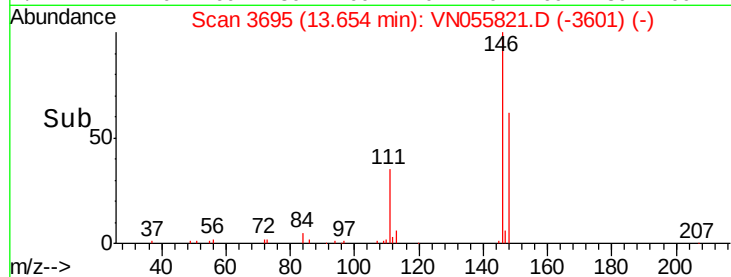
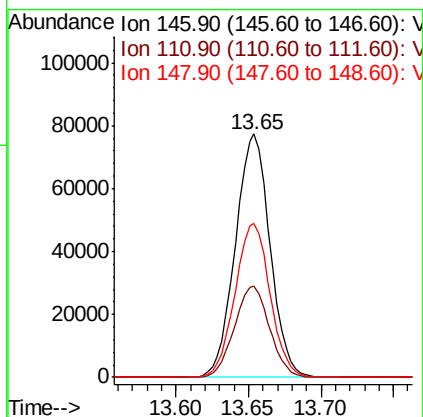
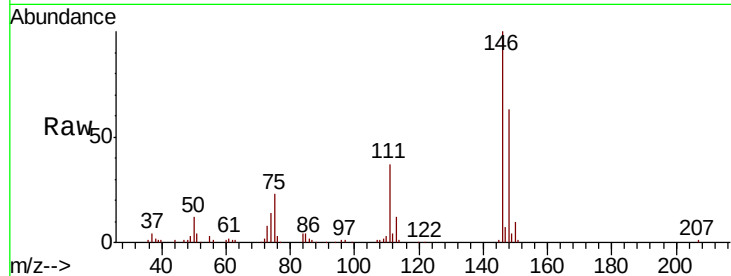




#91
 1,2-Dichlorobenzene
 Concen: 20.254 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

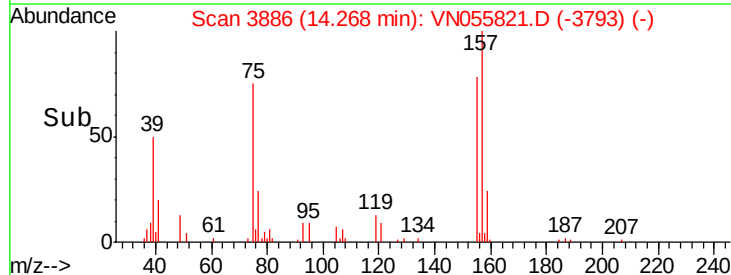
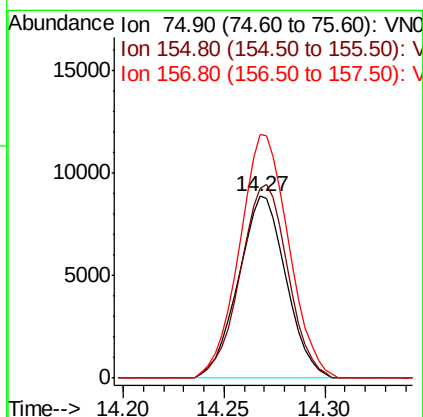
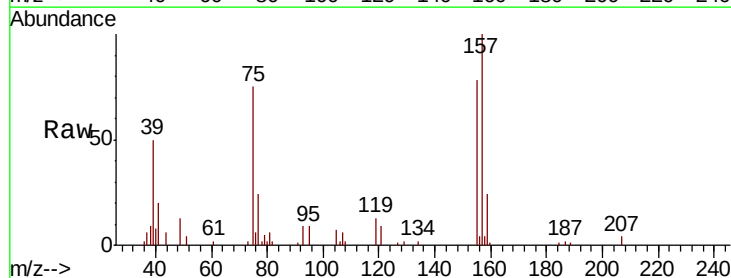
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

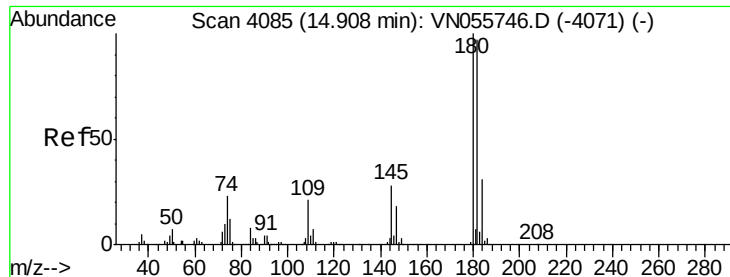
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.5
148	63.9	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.576 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.9	50.0	150.1
157	138.6	64.8	194.3

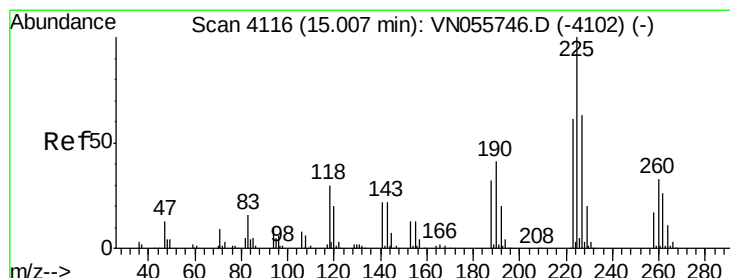
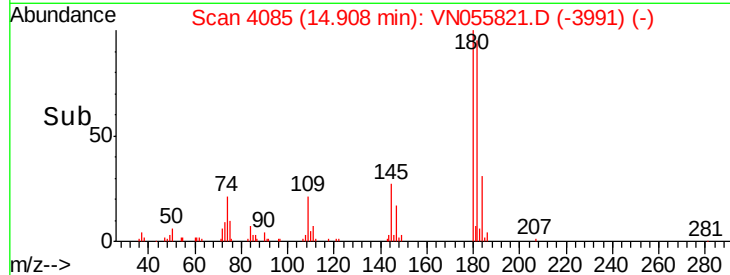
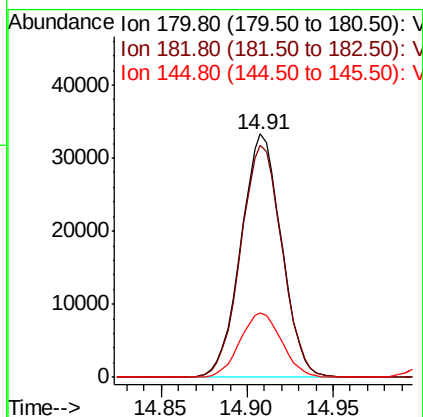
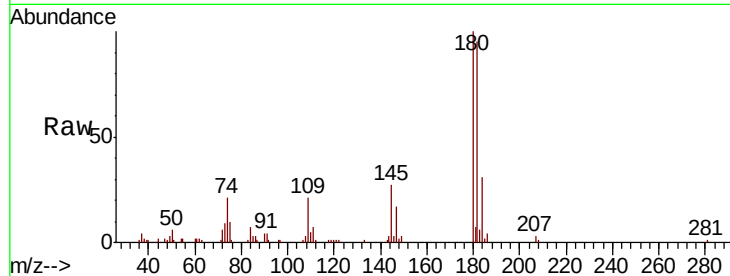




#93
 1,2,4-Trichlorobenzene
 Concen: 17.502 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

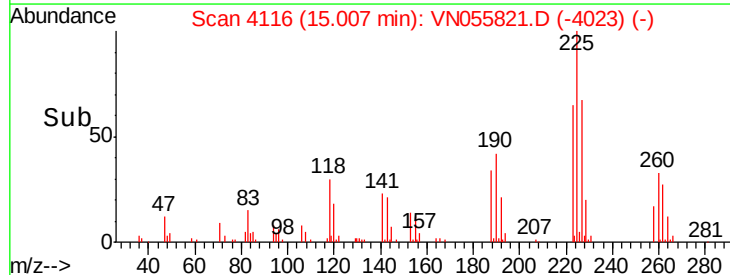
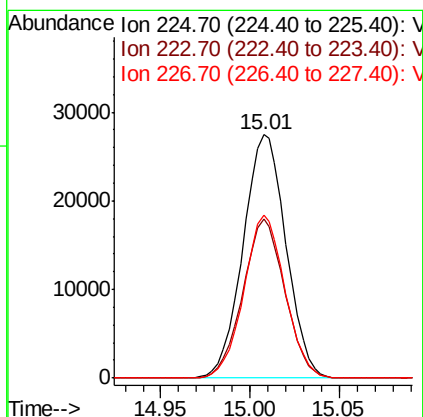
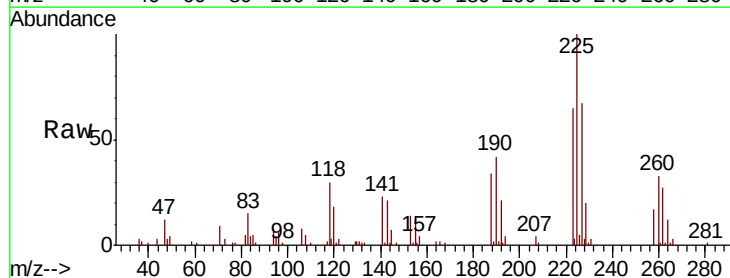
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS03

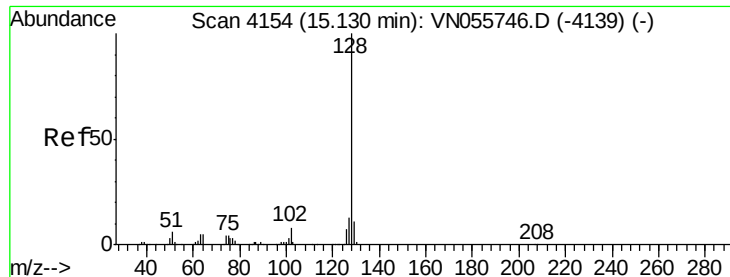
Tot Ion:180 Resp: 54569
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.3 144.9
 145 27.1 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 19.593 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055821.D
 Acq: 25 May 2019 2:34

Tgt Ion:225 Resp: 46216
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.9 92.7
 227 64.0 31.6 94.7





#95

Naphthalene

Concen: 17.472 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS03

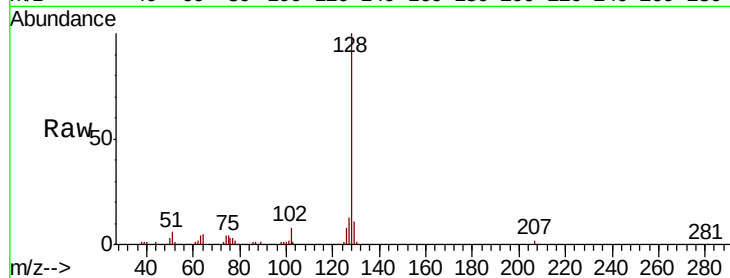
Tot Ion:128 Resp: 152075

Ion Ratio Lower Upper

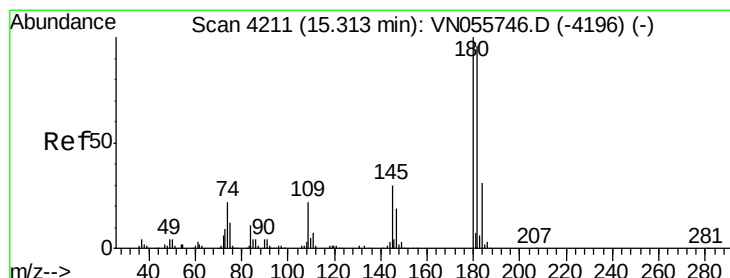
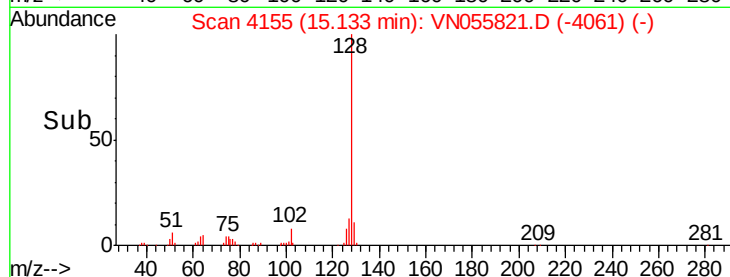
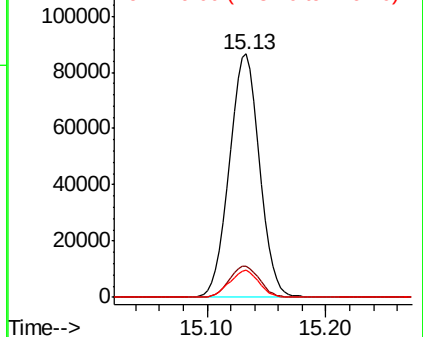
128 100

127 12.9 10.3 15.5

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.538 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055821.D

Acq: 25 May 2019 2:34

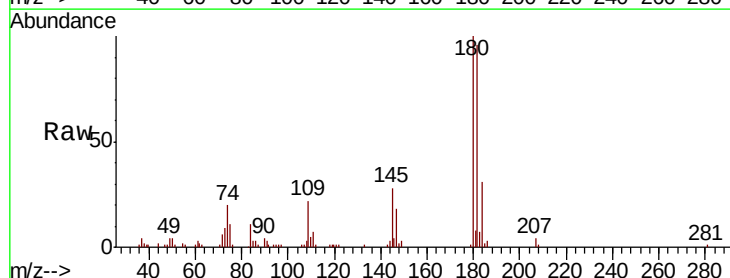
Tgt Ion:180 Resp: 62154

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.7

145 28.6 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

