

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055860.D
 Acq On : 28 May 2019 18:17
 Operator : JC/SP
 Sample : K3041-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2-S

Quant Time: May 29 05:40:12 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	440497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	616479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	563761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196495	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	202625	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	
35) Dibromofluoromethane	7.59	113	183750	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
50) Toluene-d8	10.09	98	741658	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	230806	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	133	0.214	ug/l #	42
14) Allyl chloride	4.54	41	2550	0.397	ug/l #	26
16) Acetone	3.82	43	23782	11.893	ug/l	100
17) Carbon Disulfide	4.04	76	2879	0.270	ug/l #	87
18) Methyl Acetate	4.34	43	4268	Below Cal	#	83
20) Methylene Chloride	4.55	84	65744	15.181	ug/l	97
25) 2-Butanone	6.86	43	4193	1.501	ug/l	97
29) Tetrahydrofuran	7.22	42	914	0.517	ug/l	92
30) Chloroform	7.37	83	2179	0.300	ug/l	87
31) Cyclohexane	7.66	56	6218	0.911	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	24603	4.580	ug/l #	48
38) Carbon Tetrachloride	7.66	117	36234	6.475	ug/l #	14
41) Methacrylonitrile	7.23	41	996	0.380	ug/l #	30
43) Isopropyl Acetate	8.17	43	12493	1.432	ug/l #	89
45) 1,2-Dichloropropane	9.27	63	923	0.219	ug/l #	44
48) Methyl methacrylate	9.18	41	6191	1.540	ug/l #	20
51) 4-Methyl-2-Pentanone	9.99	43	4639	0.900	ug/l	92
52) Toluene	10.15	92	2050	0.201	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	37050	5.523	ug/l #	57
57) 1,3-Dichloropropane	10.76	76	2763	0.417	ug/l #	42
59) 2-Hexanone	10.76	43	38018	10.401	ug/l #	53
67) Ethyl Benzene	11.51	91	9024	0.446	ug/l	96
68) m/p-Xylenes	11.62	106	3990	0.521	ug/l	95
71) Bromoform	12.40	173	1640	0.427	ug/l #	1
73) Isopropylbenzene	12.25	105	1638	Below Cal		88
74) N-amyl acetate	12.07	43	1076	Below Cal	#	70
76) 1,2,3-Trichloropropane	12.40	75	106827	30.335	ug/l #	100
77) Bromobenzene	12.53	156	1944	0.464	ug/l #	1
79) 2-Chlorotoluene	12.66	91	663	Below Cal		71
80) 1,3,5-Trimethylbenzene	12.73	105	3270	Below Cal		96
81) trans-1,4-Dichloro-2-buten	12.40	75	106827	73.149	ug/l #	15
83) tert-Butylbenzene	12.99	119	807	Below Cal	#	76
84) 1,2,4-Trimethylbenzene	13.04	105	6461	Below Cal		97
85) sec-Butylbenzene	13.17	105	1701	Below Cal		83

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QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

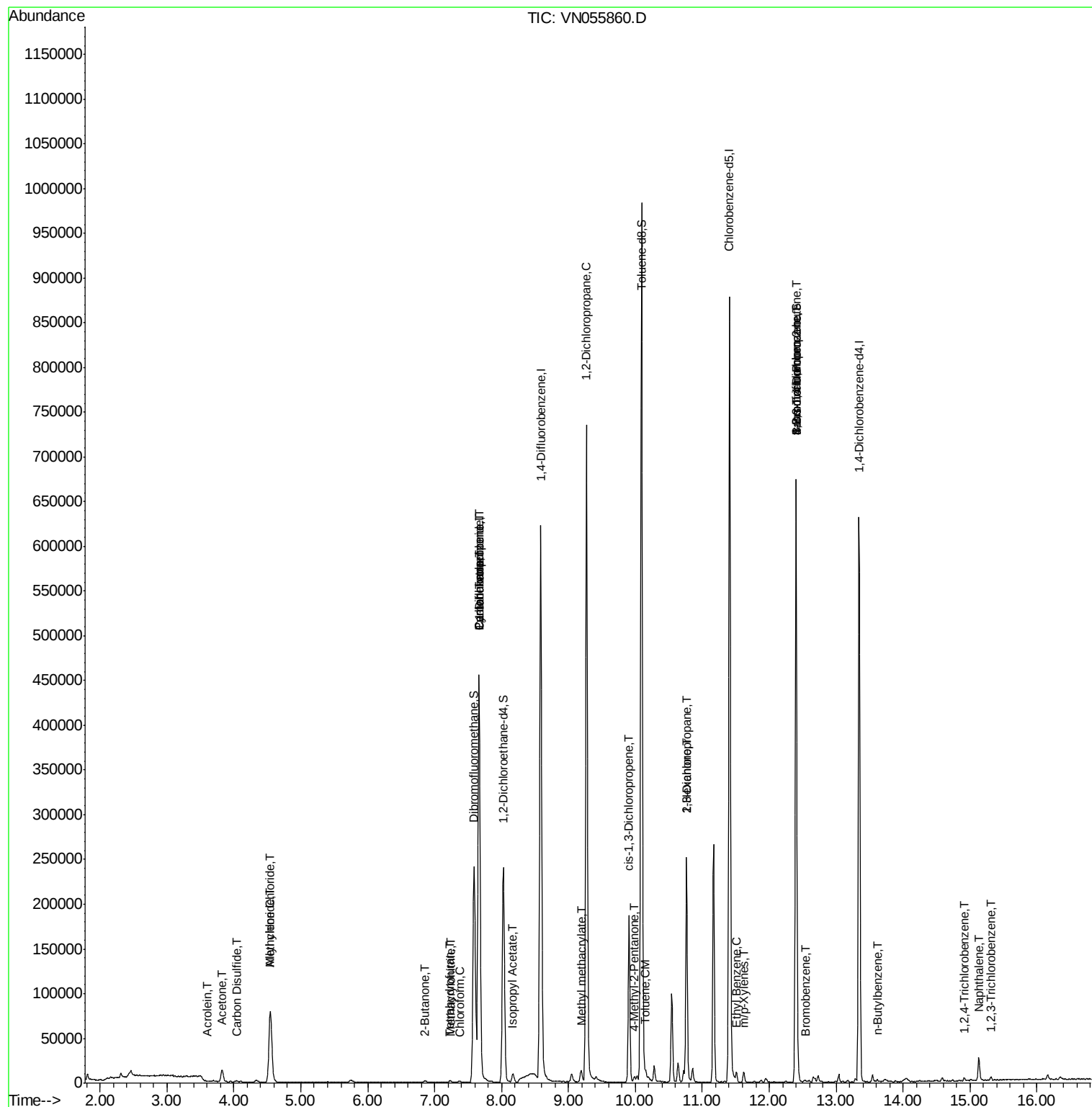
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.61	91	2130	0.204	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	1501	4.002	ug/l	92
94) Hexachlorobutadiene	15.01	225	493	Below Cal		97
95) Naphthalene	15.13	128	25294	2.783	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	1727	0.493	ug/l	90

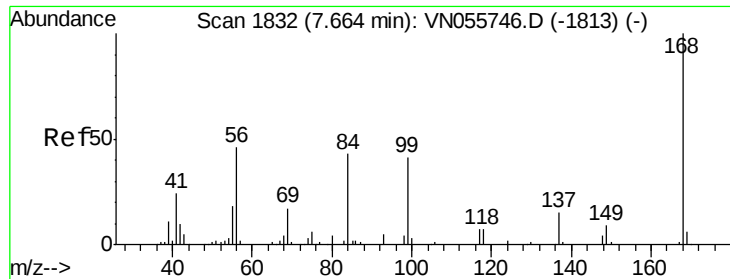
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

Instrument :

MSVOA_N

ClientSampled :

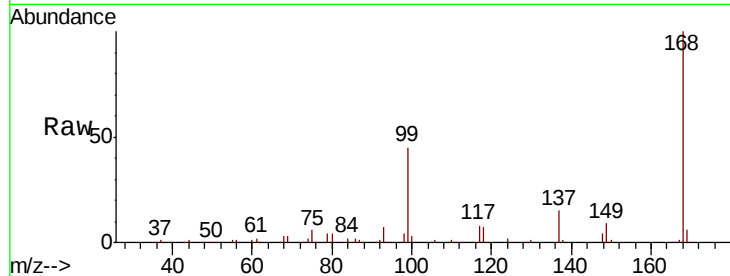
TP-2-S

Tot Ion:168 Resp: 440497

Ion Ratio Lower Upper

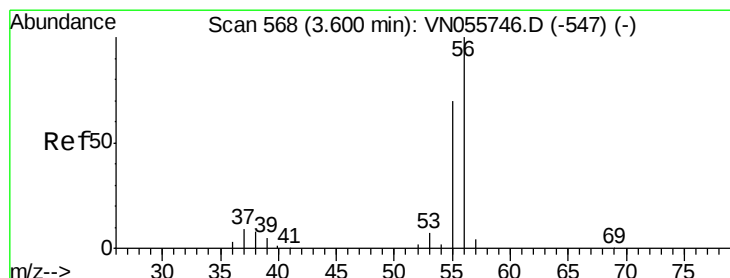
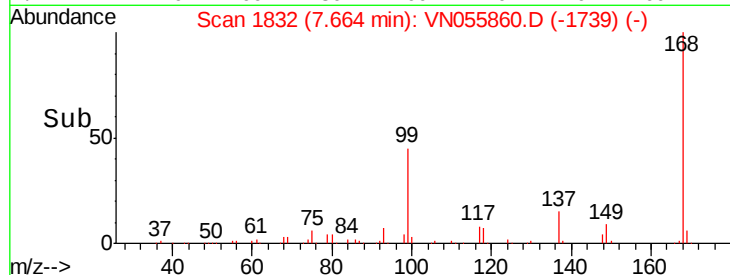
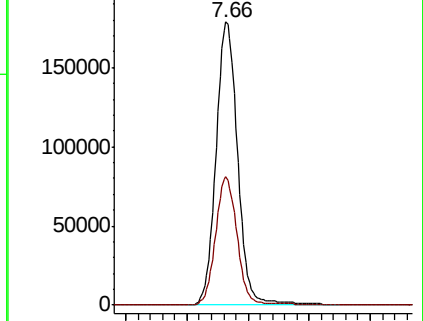
168 100

99 45.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 0.214 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055860.D

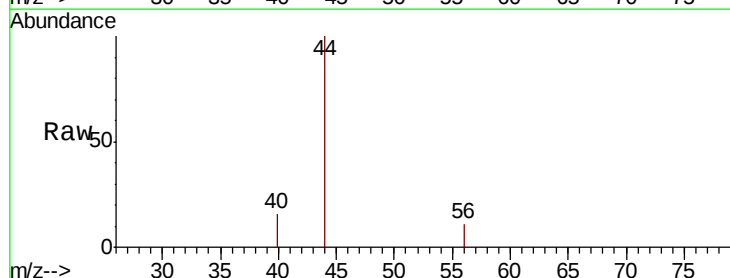
Acq: 28 May 2019 18:17

Tgt Ion: 56 Resp: 133

Ion Ratio Lower Upper

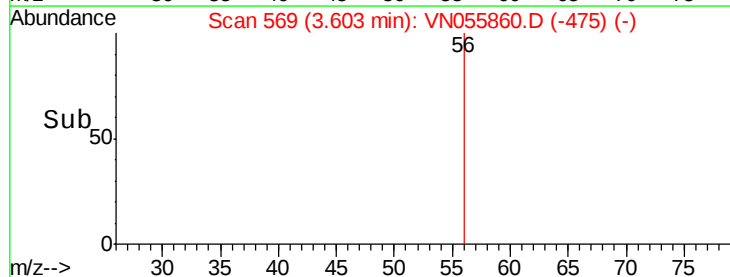
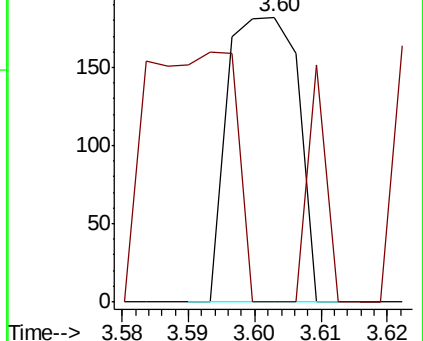
56 100

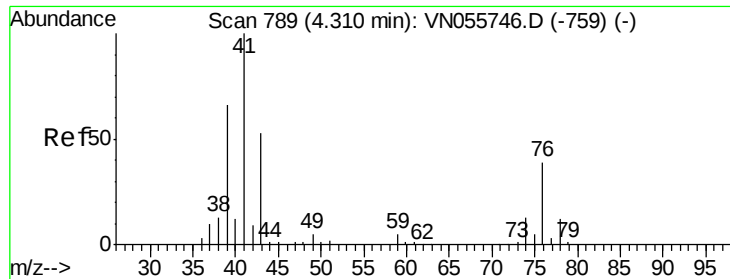
55 21.8 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

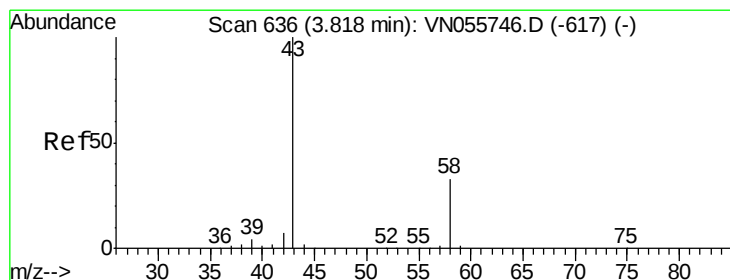
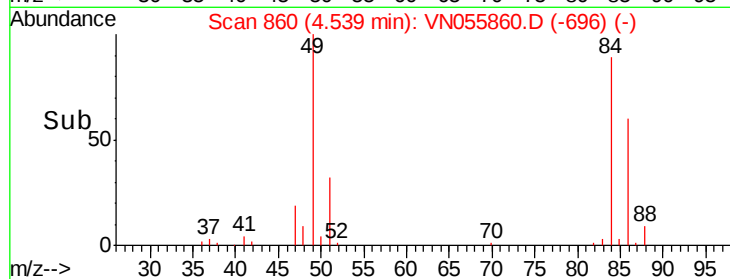
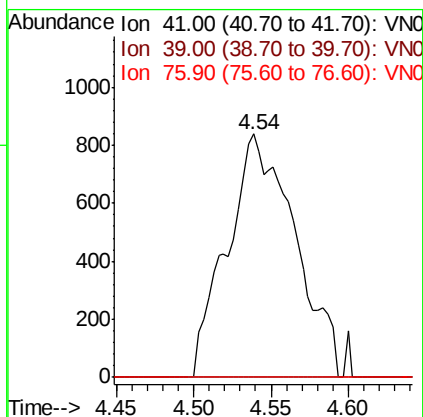
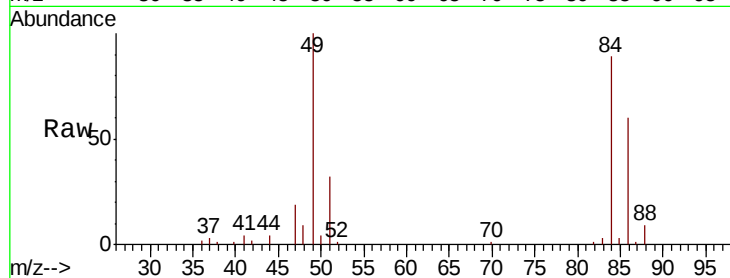




#14
Allvl chloride
Concen: 0.397 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.23 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

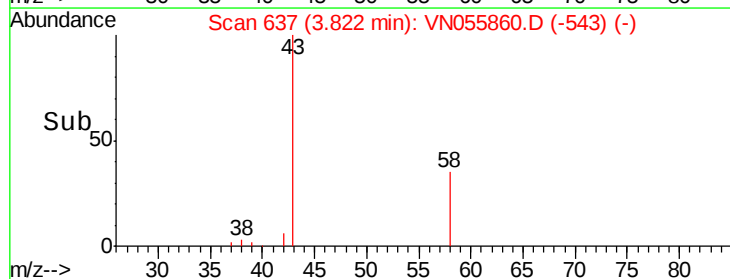
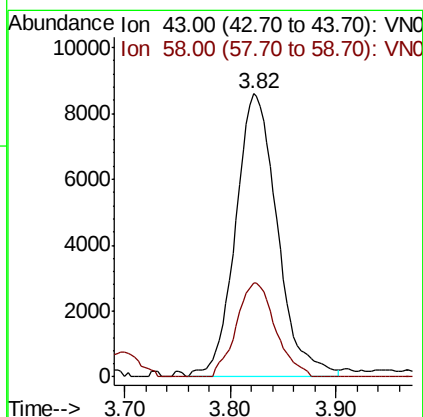
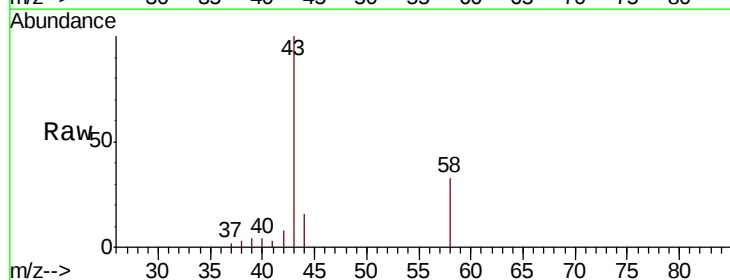
Instrument :
MSVOA_N
ClientSampled :
TP-2-S

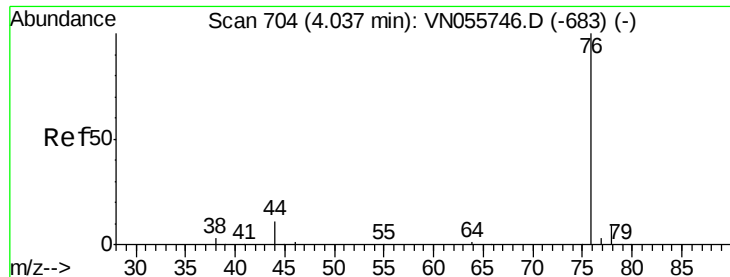
Tot Ion: 41 Resp: 2550
Ion Ratio Lower Upper
41 100
39 0.0 50.0 75.0#
76 0.0 28.2 42.2#



#16
Acetone
Concen: 11.893 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

Tgt Ion: 43 Resp: 23782
Ion Ratio Lower Upper
43 100
58 33.4 26.6 39.8

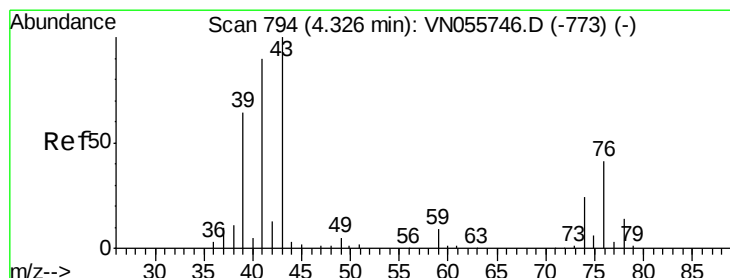
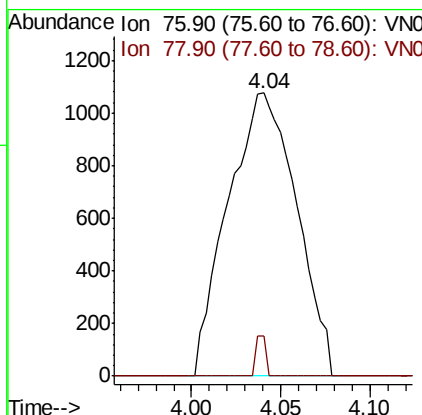
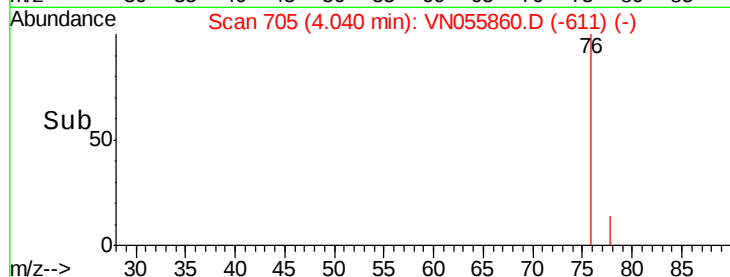
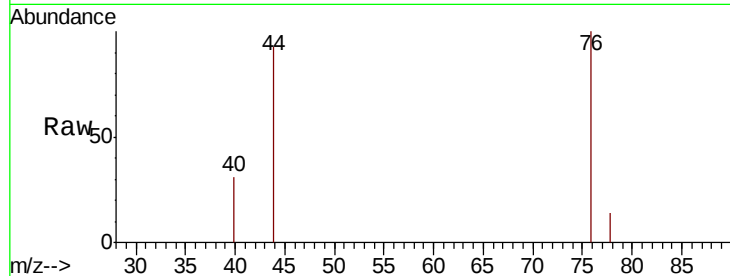




#17
Carbon Disulfide
Concen: 0.270 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

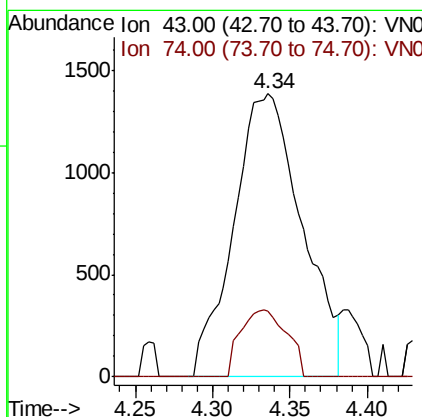
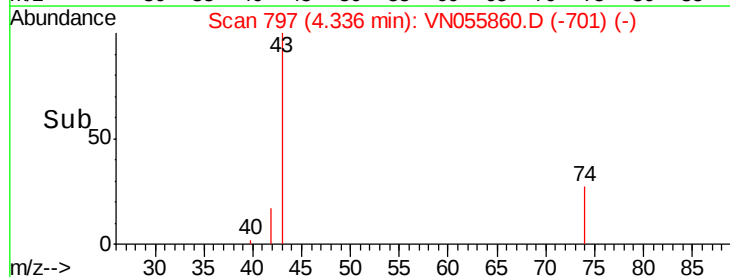
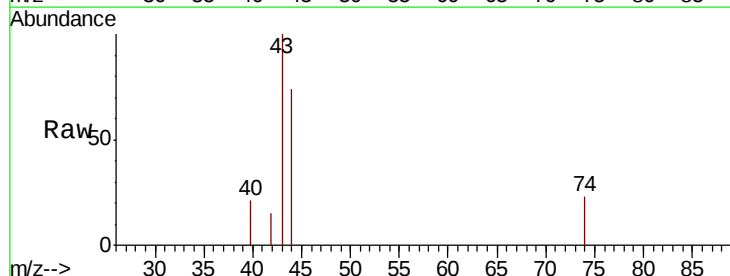
Instrument :
MSVOA_N
ClientSampled :
TP-2-S

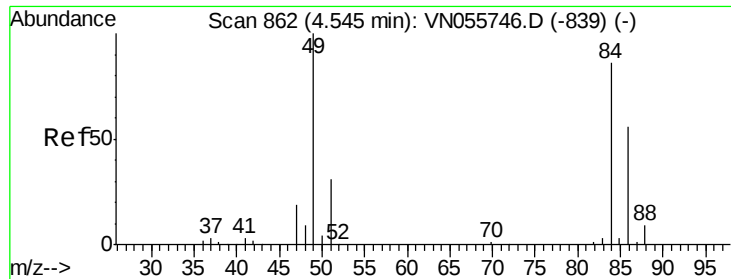
Tot Ion: 76 Resp: 2879
Ion Ratio Lower Upper
76 100
78 14.0 7.4 11.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

Tgt Ion: 43 Resp: 4268
Ion Ratio Lower Upper
43 100
74 15.8 19.3 28.9#

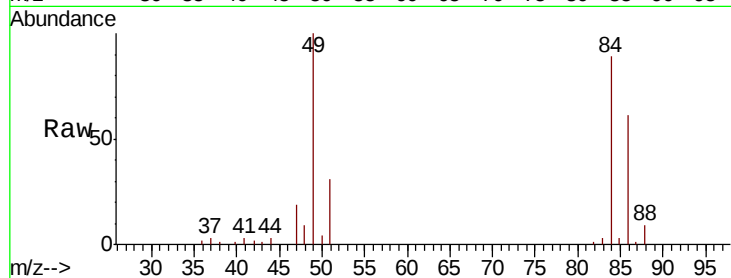




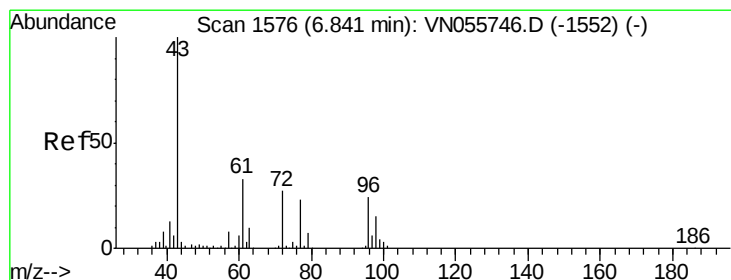
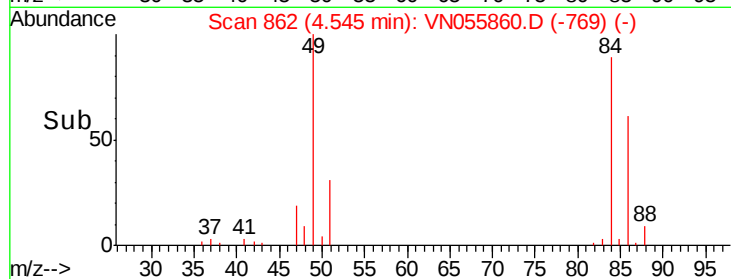
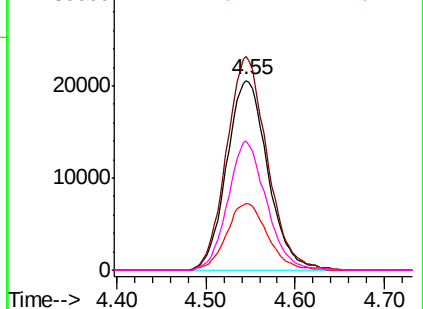
#20
Methvlene Chloride
Concen: 15.181 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 84 Resp: 65744
Ion Ratio Lower Upper
84 100
49 112.5 93.5 140.3
51 35.1 28.6 43.0
86 68.4 52.6 79.0

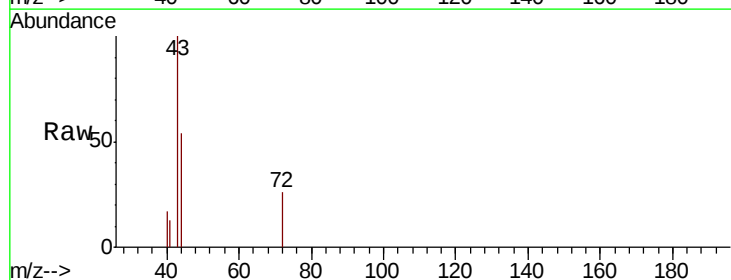


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

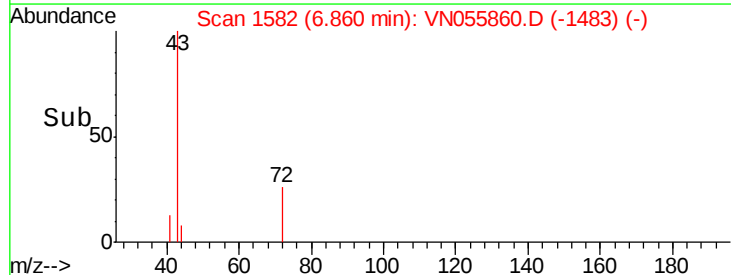
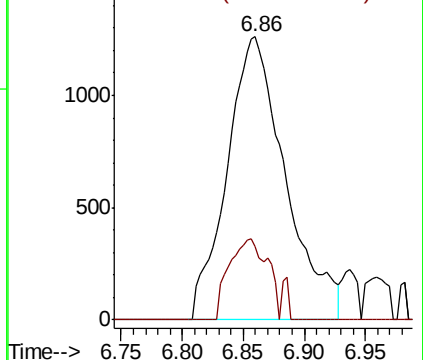


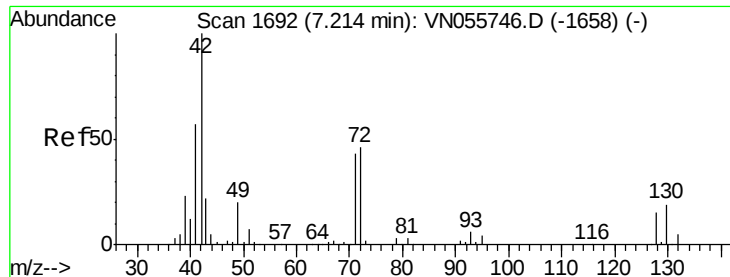
#25
2-Butanone
Concen: 1.501 ug/l
RT: 6.86 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

Tgt Ion: 43 Resp: 4193
Ion Ratio Lower Upper
43 100
72 25.9 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC

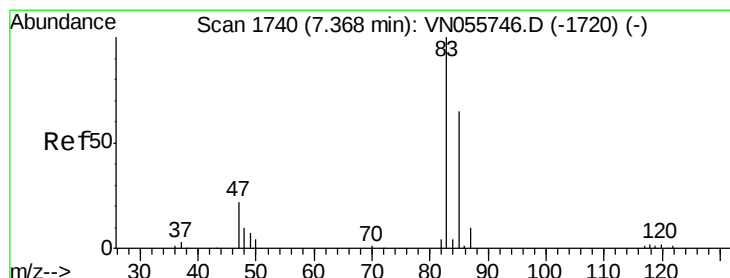
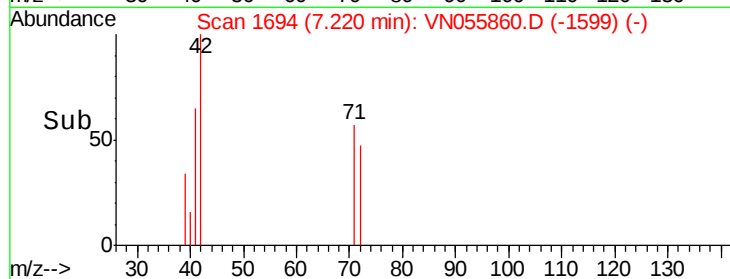
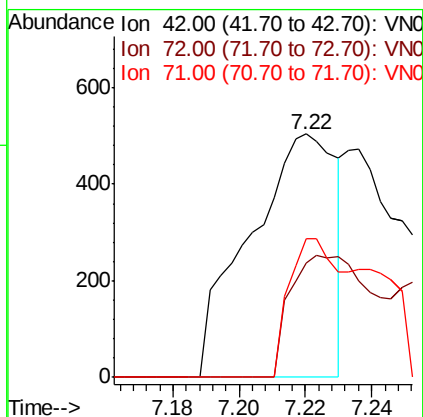
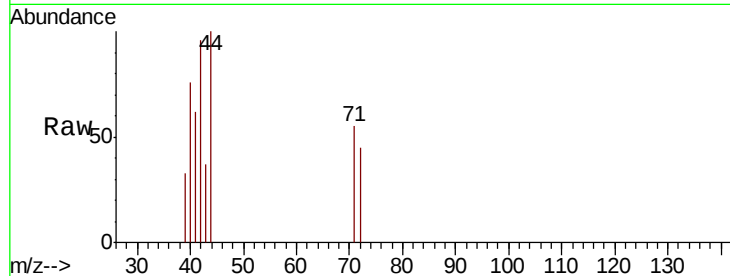




#29
Tetrahydrofuran
Concen: 0.517 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

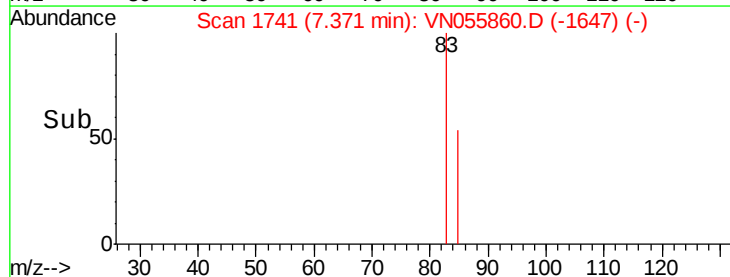
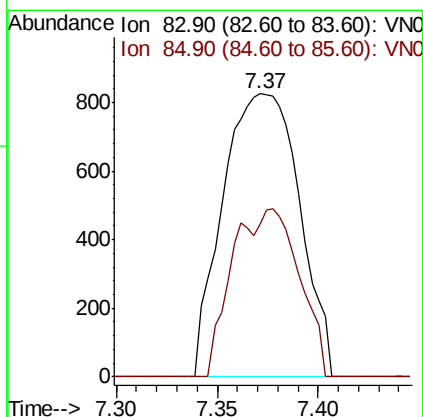
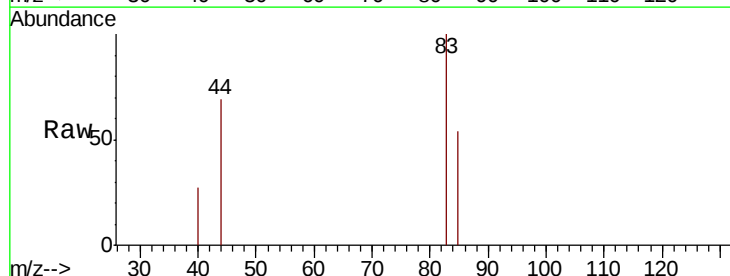
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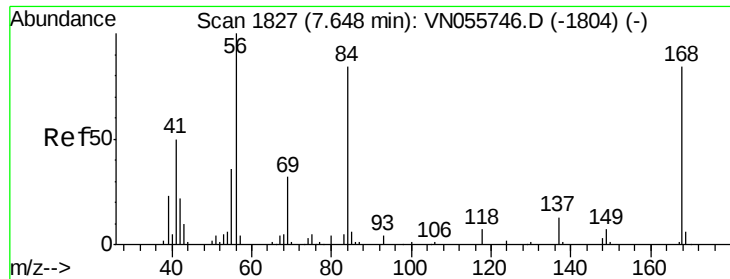
Tot Ion: 42 Resp: 914
Ion Ratio Lower Upper
42 100
72 48.2 35.9 53.9
71 35.0 34.0 51.0



#30
Chloroform
Concen: 0.300 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

Tgt Ion: 83 Resp: 2179
Ion Ratio Lower Upper
83 100
85 54.2 51.8 77.8

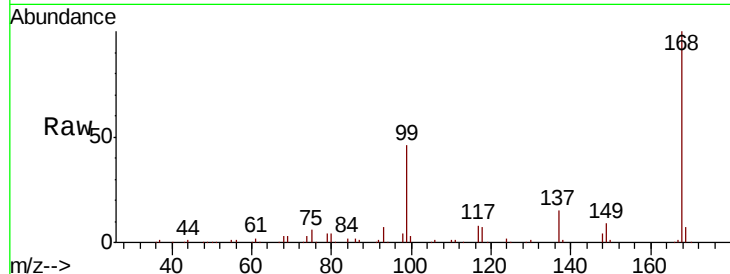




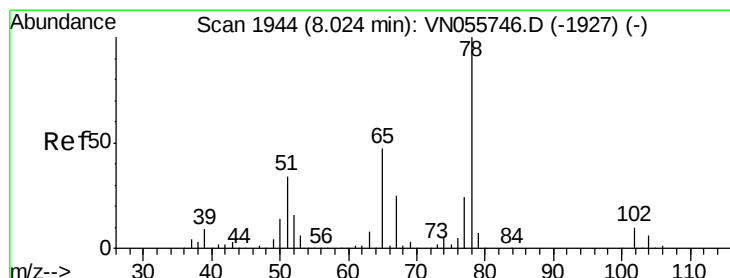
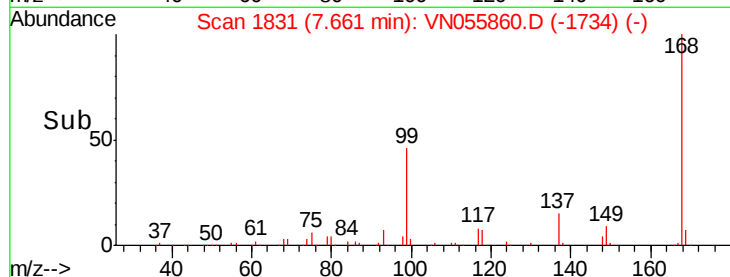
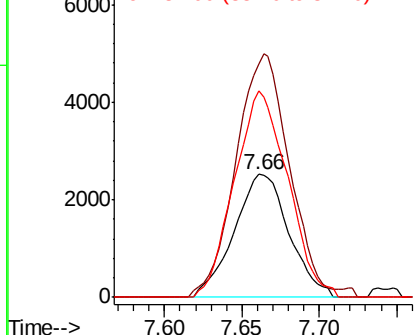
#31
Cyclohexane
Concen: 0.911 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
TP-2-S

Tot Ion: 56 Resp: 6218
Ion Ratio Lower Upper
56 100
69 190.3 25.6 38.4#
84 167.5 67.4 101.0#

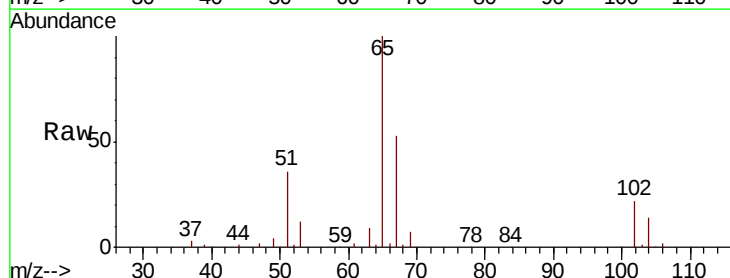


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

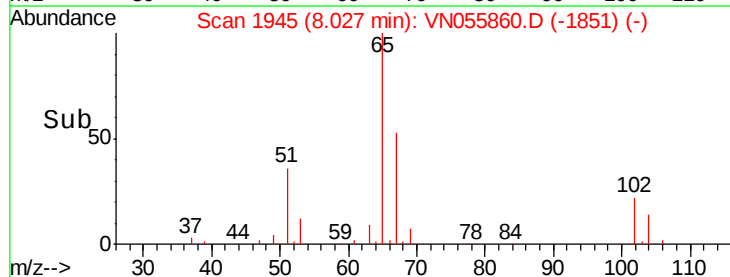
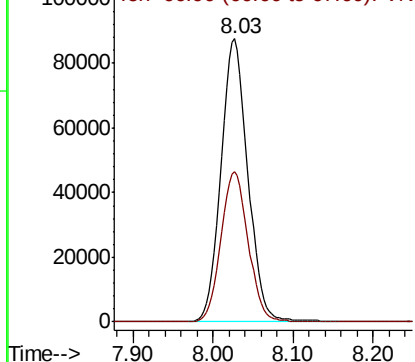


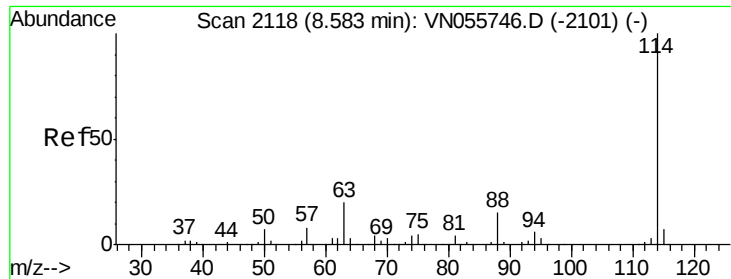
#33
1,2-Dichloroethane-d4
Concen: 44.542 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

Tgt Ion: 65 Resp: 202625
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

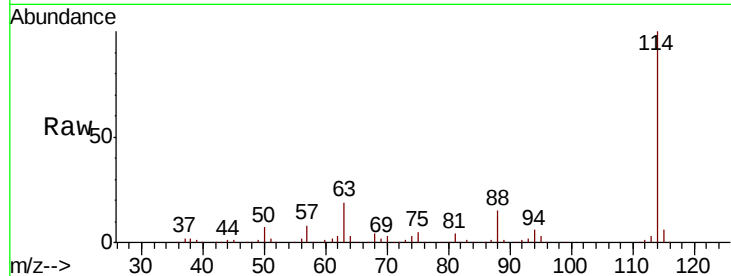




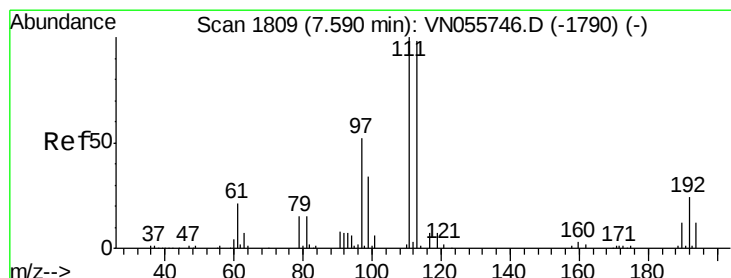
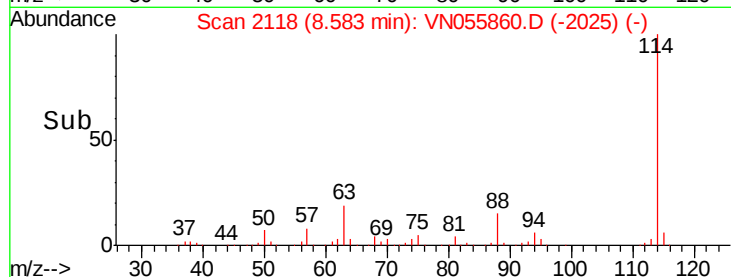
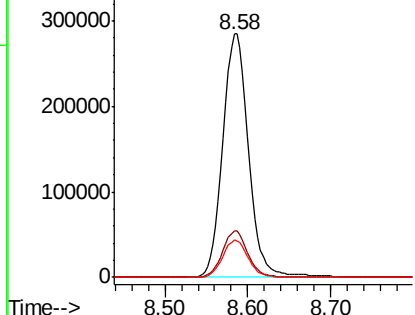
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055860.D
 Acq: 28 May 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2-S

Tot Ion:114 Resp: 616479
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.2
 88 15.3 0.0 31.0

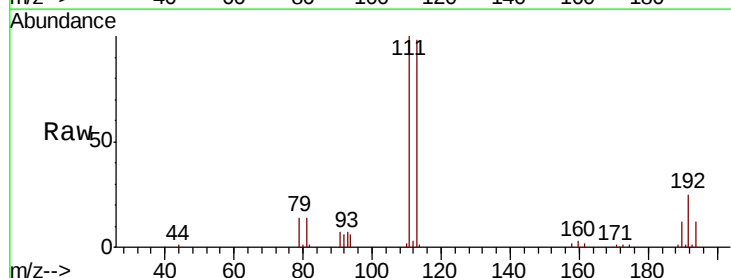


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

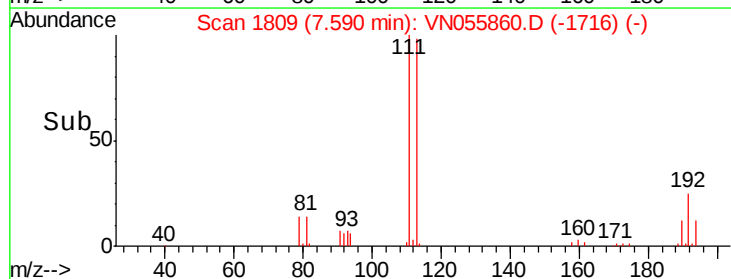
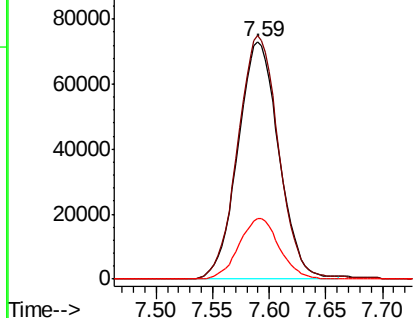


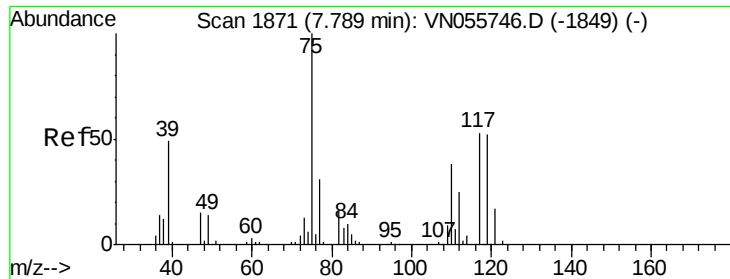
#35
 Dibromofluoromethane
 Concen: 47.145 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055860.D
 Acq: 28 May 2019 18:17

Tgt Ion:113 Resp: 183750
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.9 122.9
 192 25.2 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

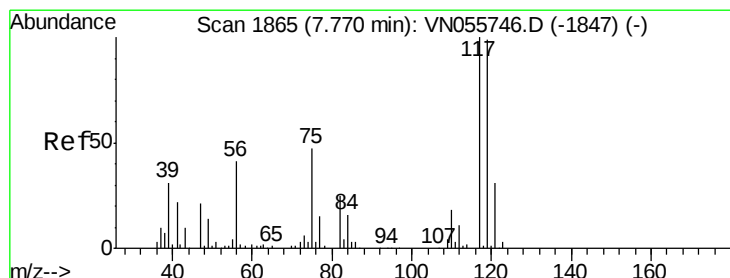
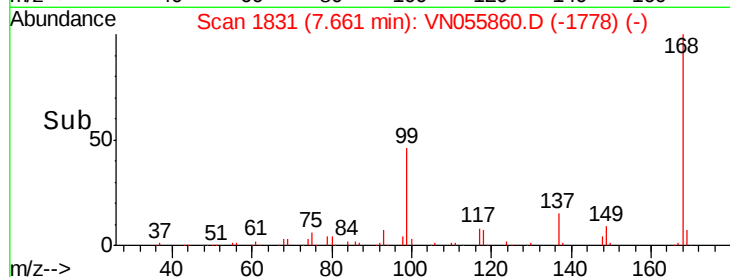
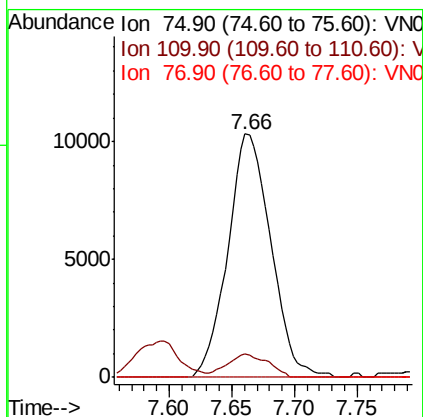
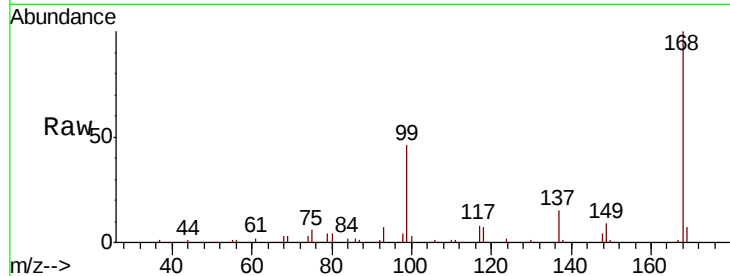




#36
 1,1-Dichloropropene
 Concen: 4.580 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN055860.D
 Acq: 28 May 2019 18:17

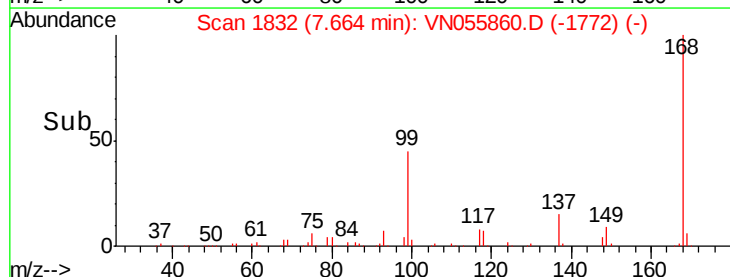
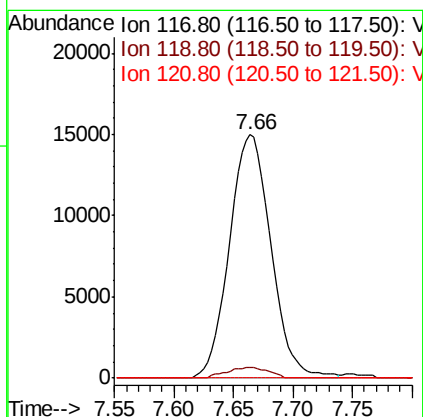
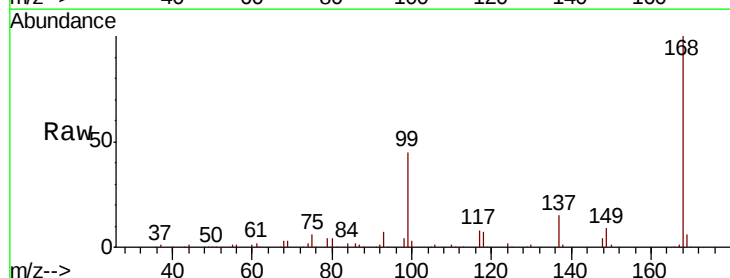
Instrument :
 MSVOA_N
 ClientSampled :
 TP-2-S

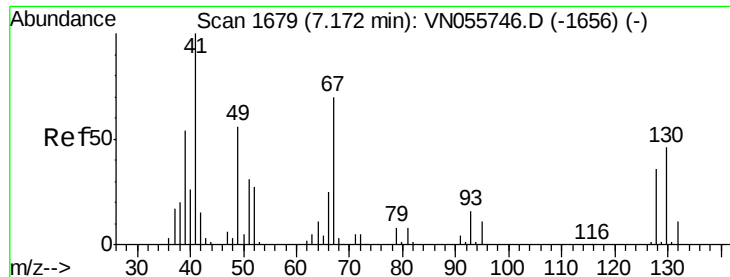
Tot Ion: 75 Resp: 24603
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.0 57.0#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.475 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055860.D
 Acq: 28 May 2019 18:17

Tgt Ion: 117 Resp: 36234
 Ion Ratio Lower Upper
 117 100
 119 4.4 79.0 118.6#
 121 0.0 24.7 37.1#

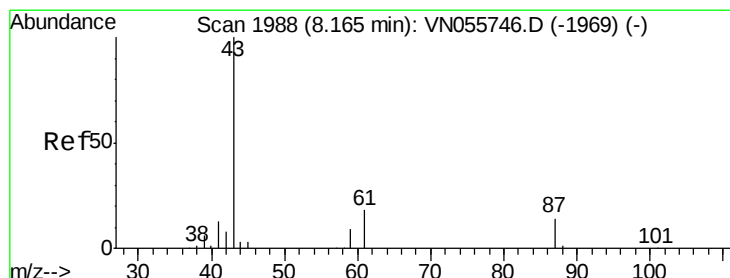
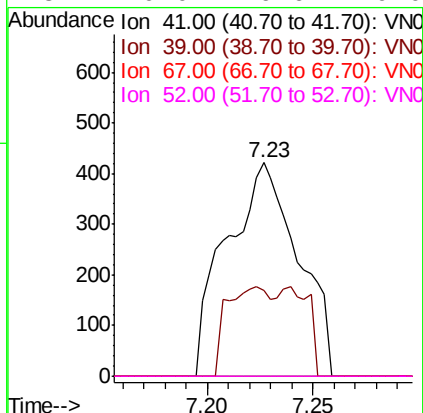
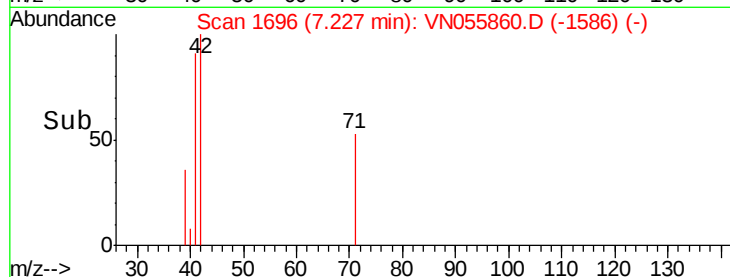
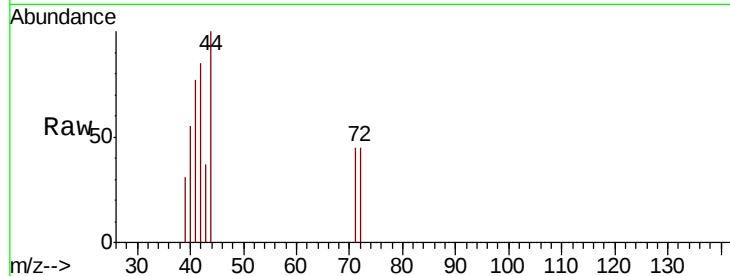




#41
Methacrylonitrile
Concen: 0.380 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.05 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

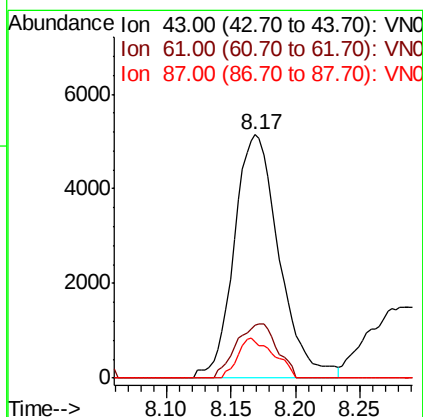
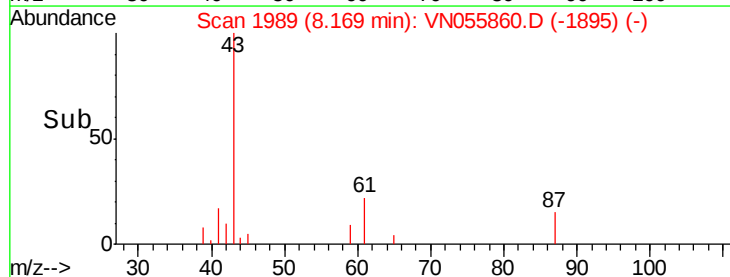
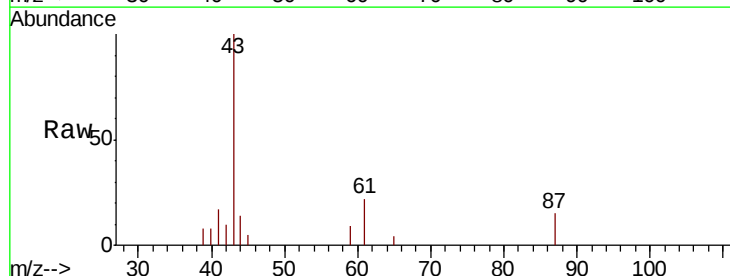
Instrument :
MSVOA_N
ClientSampled :
TP-2-S

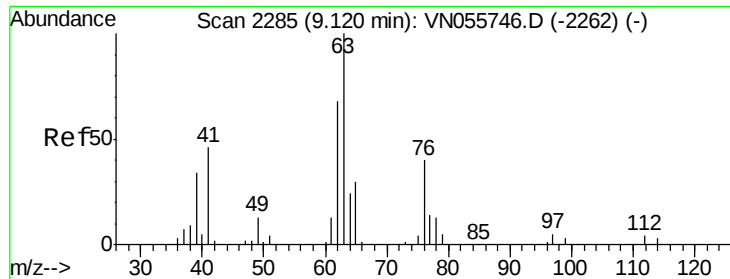
Tot Ion: 41 Resp: 996
Ion Ratio Lower Upper
41 100
39 24.9 45.6 68.4#
67 0.0 67.7 101.5#
52 0.0 26.6 40.0#



#43
Isopropyl Acetate
Concen: 1.432 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

Tgt Ion: 43 Resp: 12493
Ion Ratio Lower Upper
43 100
61 20.2 22.2 33.4#
87 13.1 11.4 17.2





#45

1,2-Dichloropropane

Concen: 0.219 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

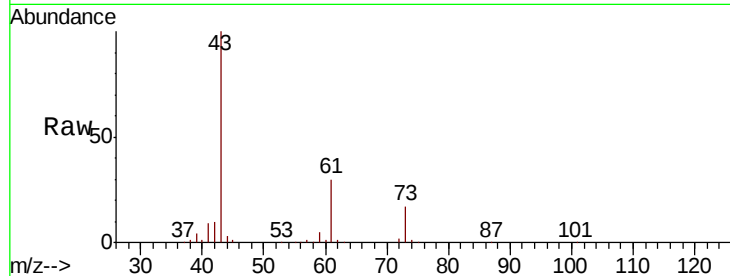
TP-2-S

Tot Ion: 63 Resp: 923

Ion Ratio Lower Upper

63 100

65 0.0 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC

9.27

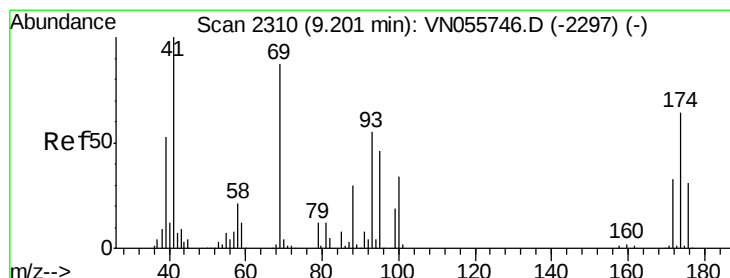
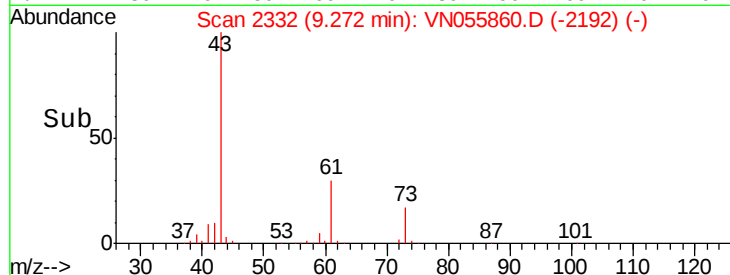
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.540 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

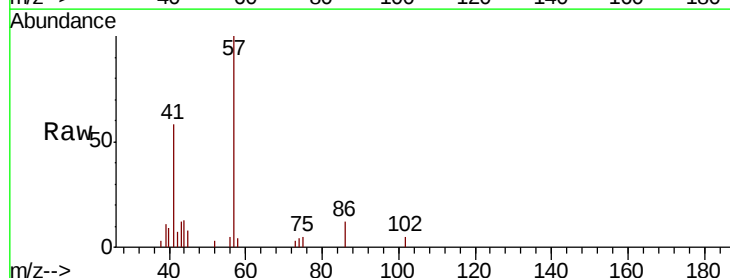
Tgt Ion: 41 Resp: 6191

Ion Ratio Lower Upper

41 100

69 0.0 71.0 106.6#

39 15.3 44.2 66.2#



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

40000

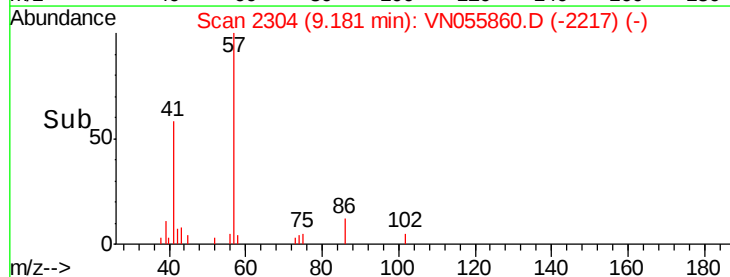
30000

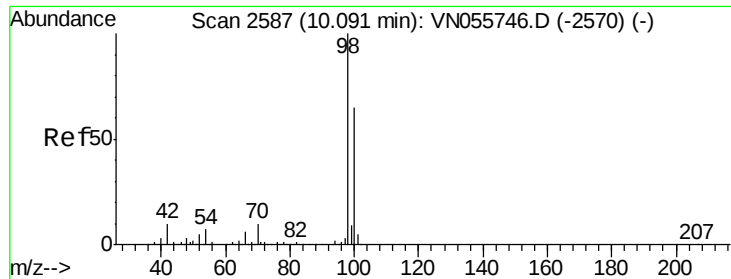
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 49.607 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

Instrument :

MSVOA_N

ClientSampled :

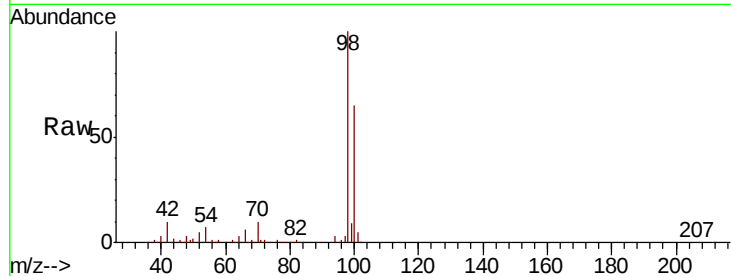
TP-2-S

Tot Ion: 98 Resp: 741658

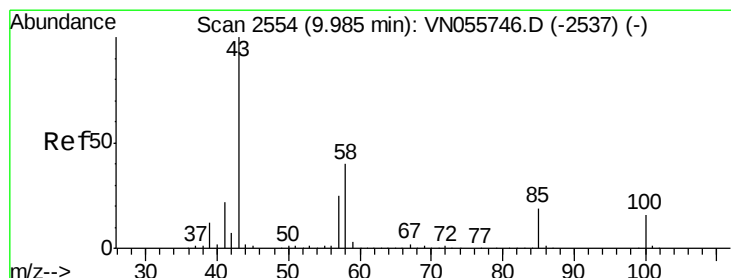
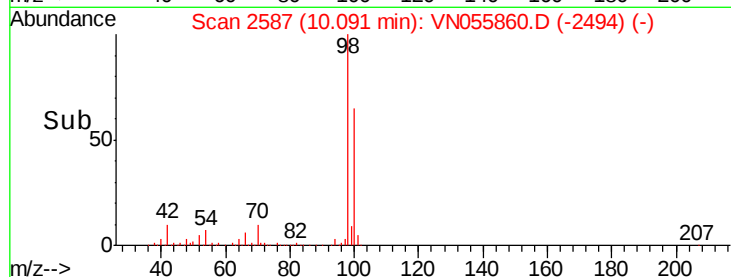
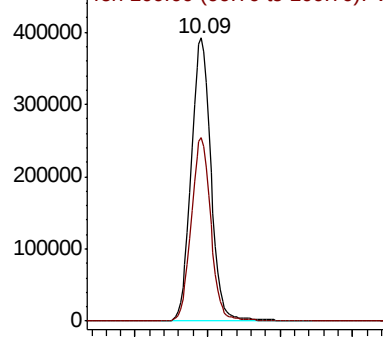
Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055746.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.900 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055860.D

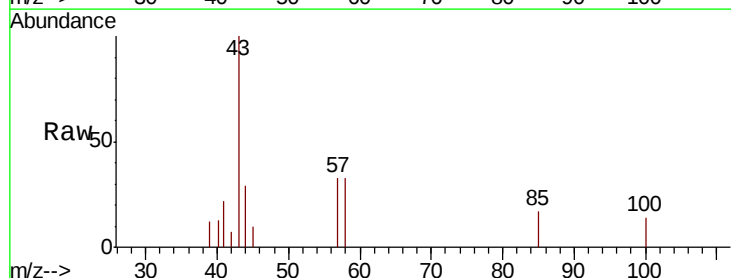
Acq: 28 May 2019 18:17

Tgt Ion: 43 Resp: 4639

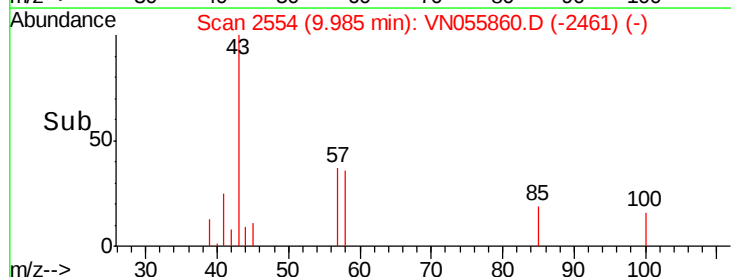
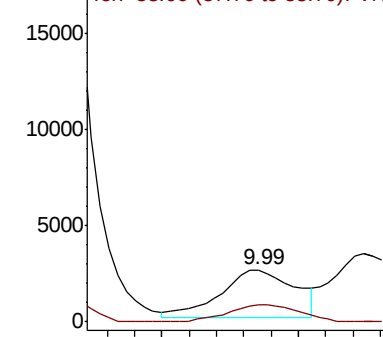
Ion Ratio Lower Upper

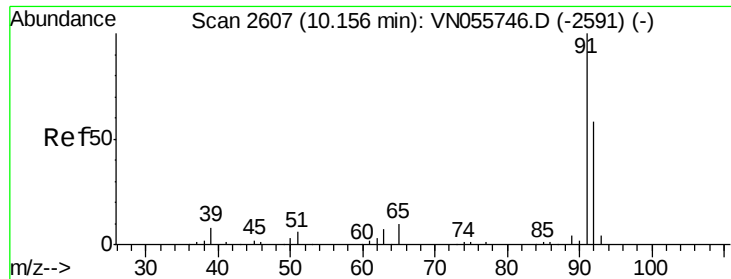
43 100

58 34.9 32.1 48.1



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





#52

Toluene

Concen: 0.201 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

Instrument :

MSVOA_N

ClientSampled :

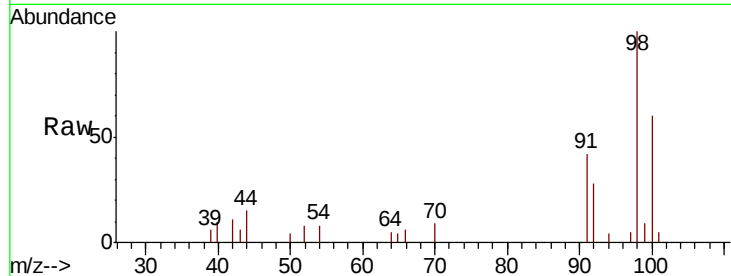
TP-2-S

Tot Ion: 92 Resp: 2050

Ion Ratio Lower Upper

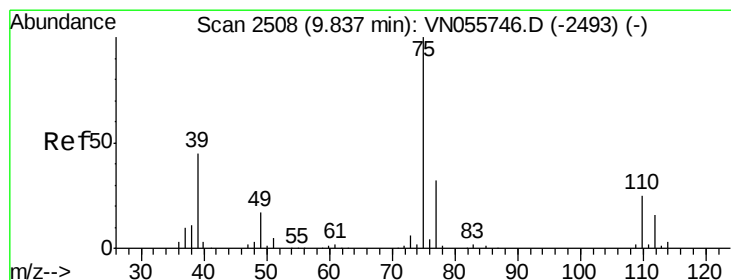
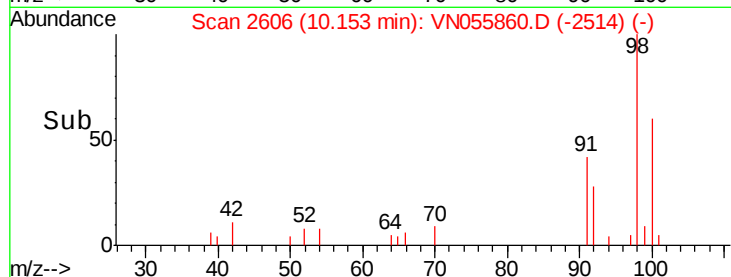
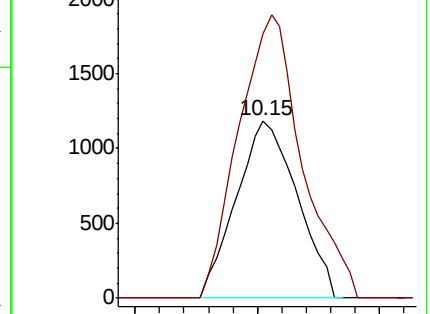
92 100

91 166.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.523 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

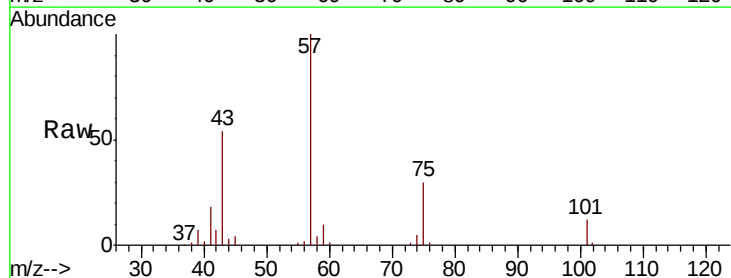
Tgt Ion: 75 Resp: 37050

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

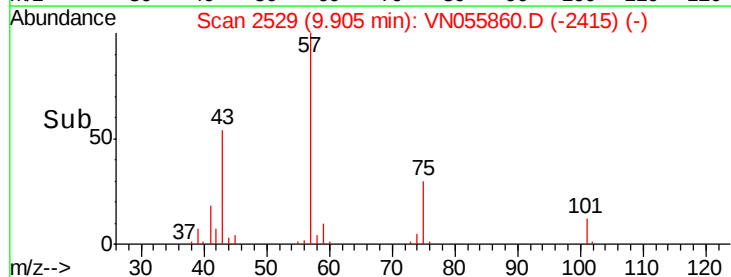
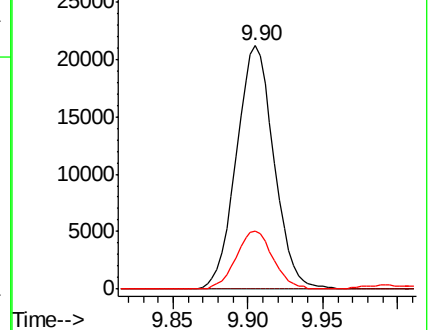
39 23.6 36.3 54.5#

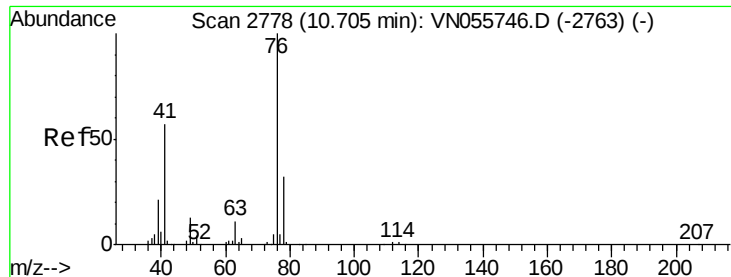


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

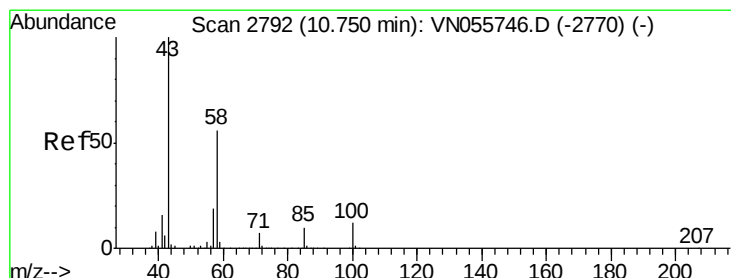
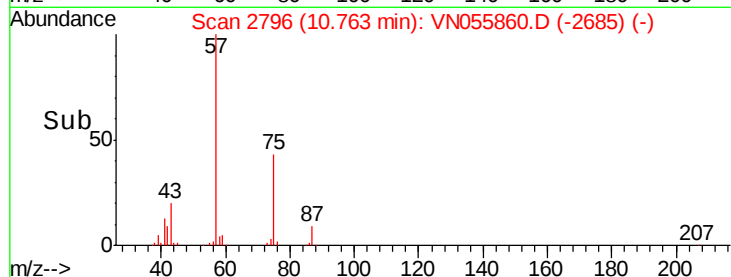
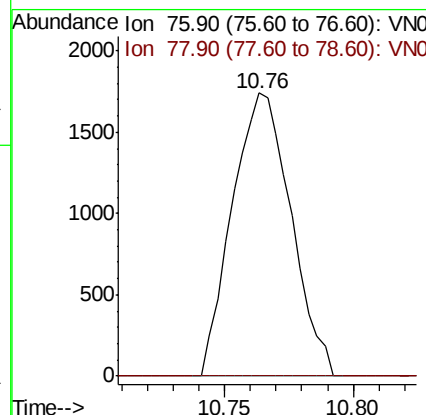
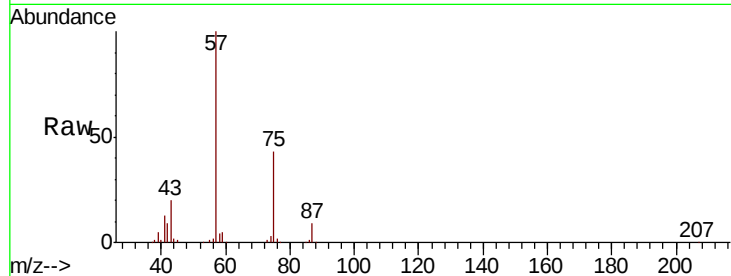




#57
 1,3-Dichloropropane
 Concen: 0.417 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN055860.D
 Acq: 28 May 2019 18:17

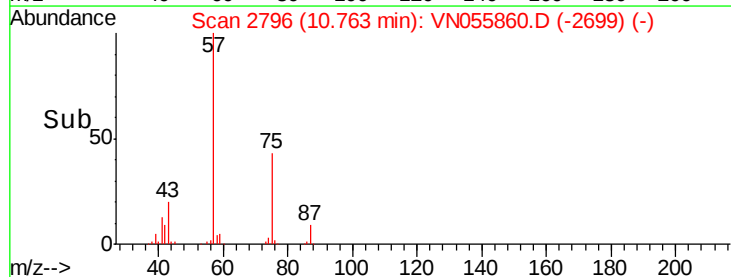
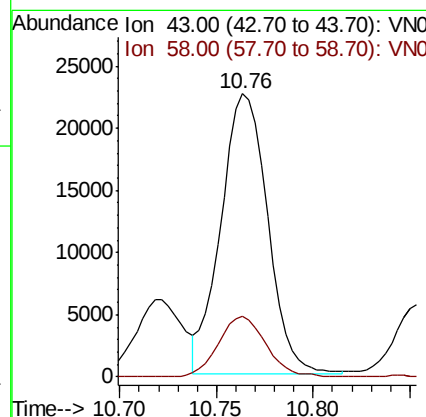
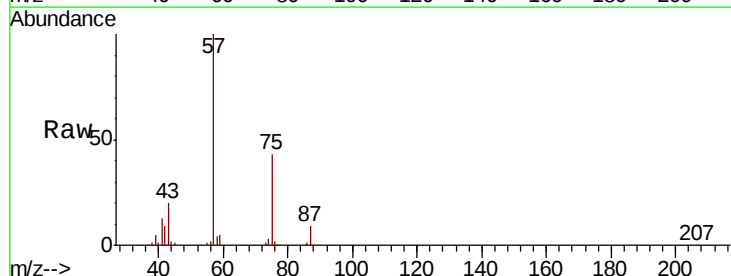
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2-S

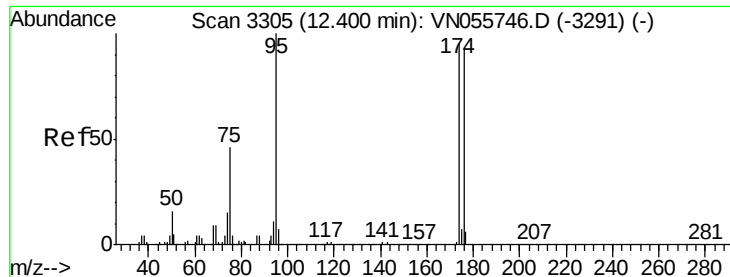
Tot Ion: 76 Resp: 2763
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 10.401 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN055860.D
 Acq: 28 May 2019 18:17

Tgt Ion: 43 Resp: 38018
 Ion Ratio Lower Upper
 43 100
 58 21.8 28.2 84.7#





#62

4-Bromofluorobenzene

Concen: 45.023 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

TP-2-S

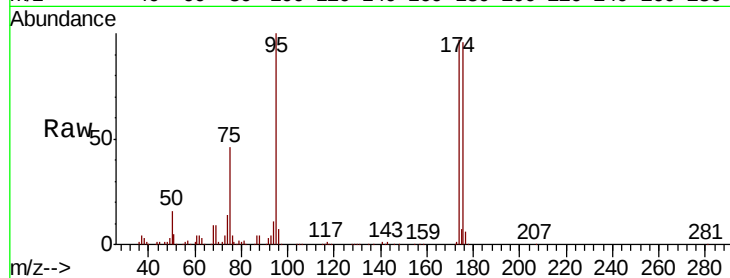
Tot Ion: 95 Resp: 230806

Ion Ratio Lower Upper

95 100

174 98.9 0.0 191.0

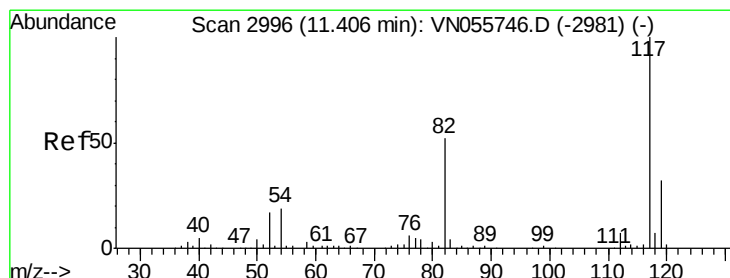
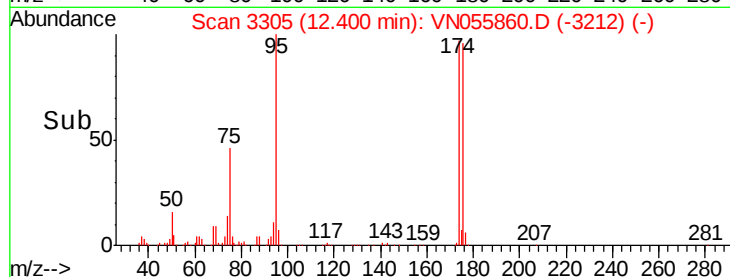
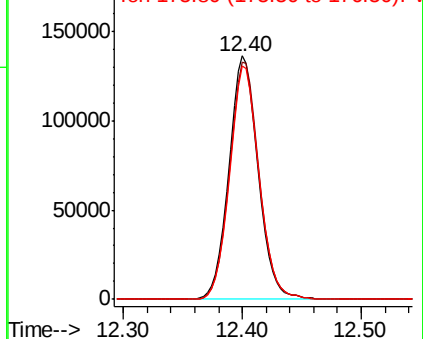
176 96.7 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055860.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055860.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055860.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

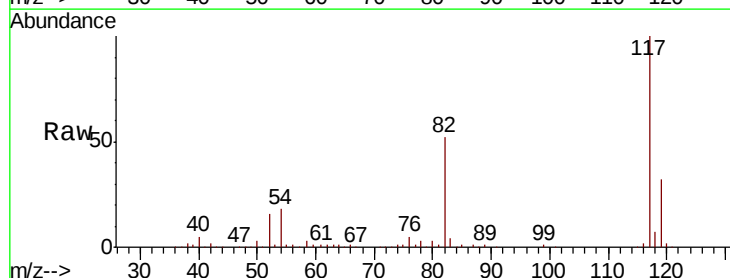
Tgt Ion: 117 Resp: 563761

Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

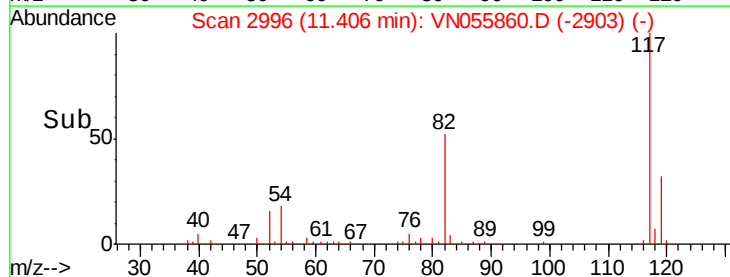
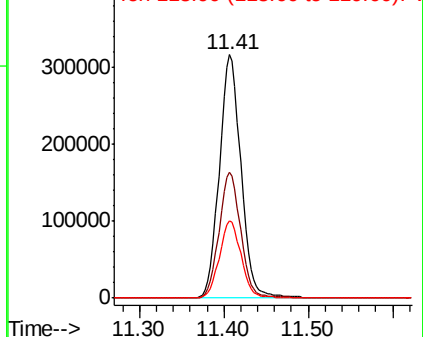
119 31.9 25.4 38.0

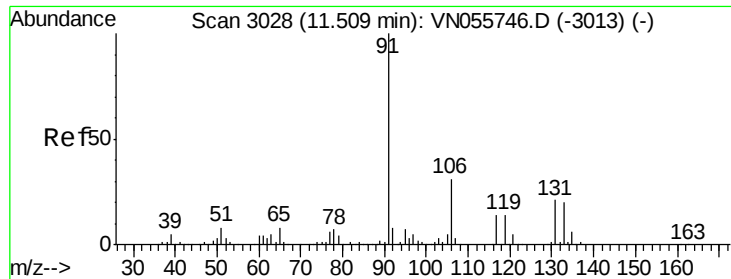


Abundance Ion 116.90 (116.60 to 117.60): VN055860.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055860.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055860.D (-2903) (-)

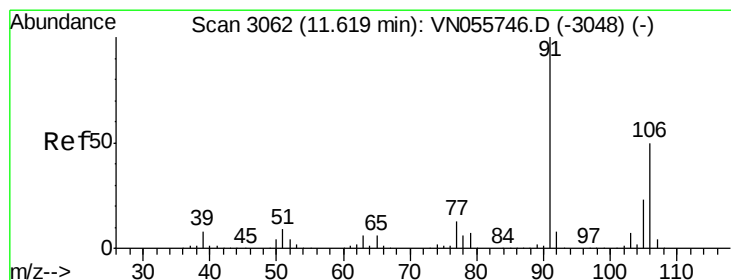
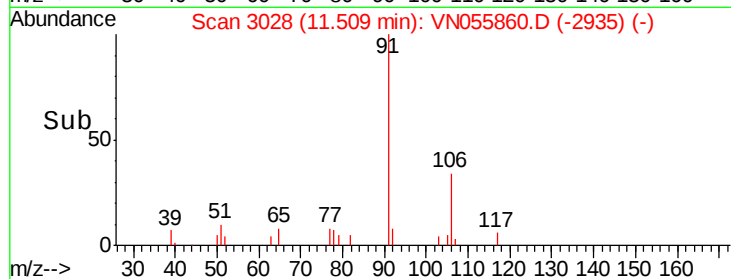
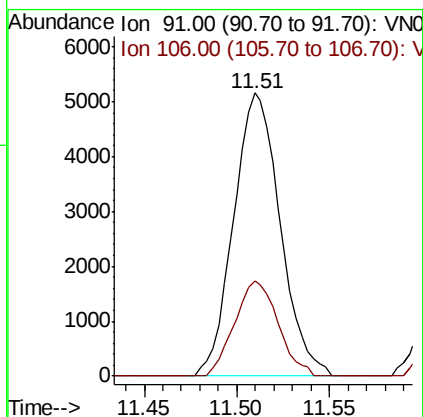
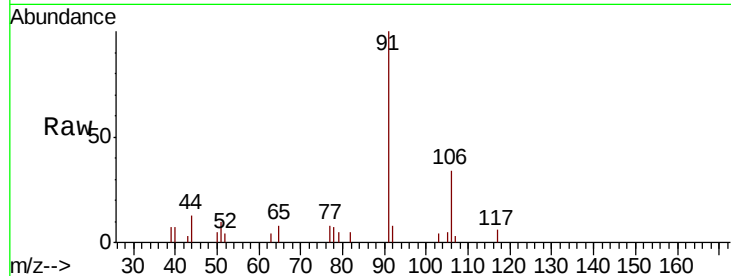




#67
Ethyl Benzene
Concen: 0.446 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

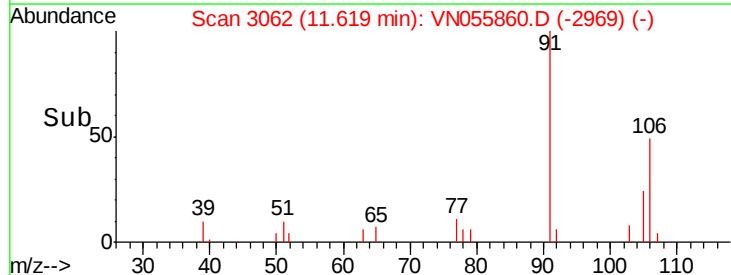
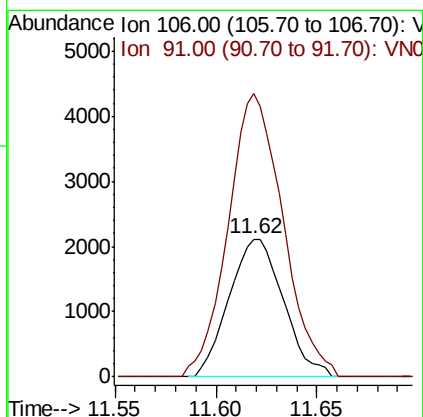
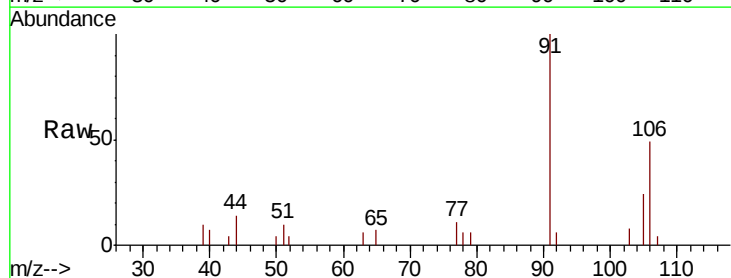
Instrument :
MSVOA_N
ClientSampled :
TP-2-S

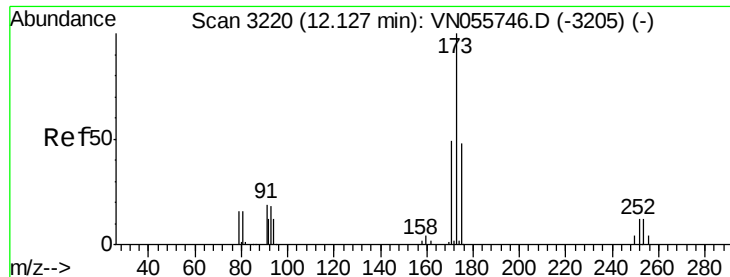
Tot Ion: 91 Resp: 9024
Ion Ratio Lower Upper
91 100
106 33.6 25.1 37.7



#68
m/p-Xylenes
Concen: 0.521 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

Tgt Ion: 106 Resp: 3990
Ion Ratio Lower Upper
106 100
91 206.8 159.3 238.9

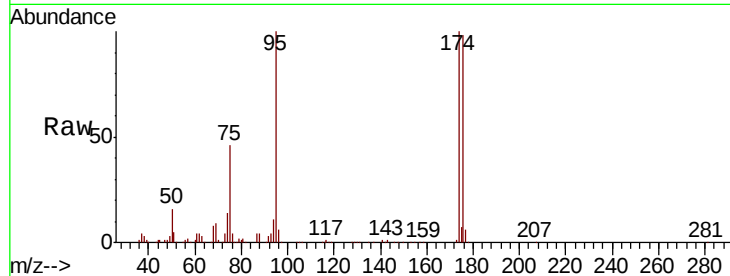




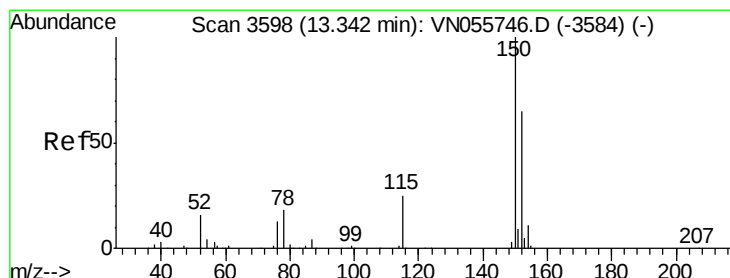
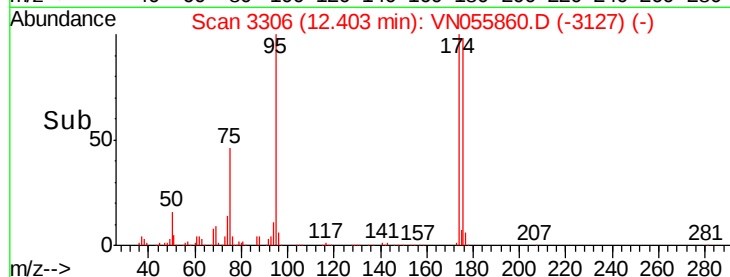
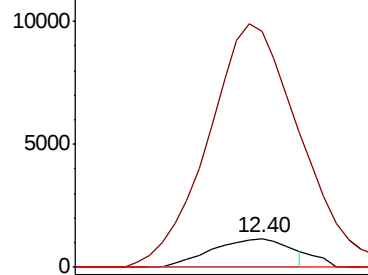
#71
Bromoform
Concen: 0.427 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

Instrument :
MSVOA_N
ClientSampled :
TP-2-S

Tot Ion:173 Resp: 1640
Ion Ratio Lower Upper
173 100
175 863.8 24.3 72.8#
254 0.0 0.0 0.0

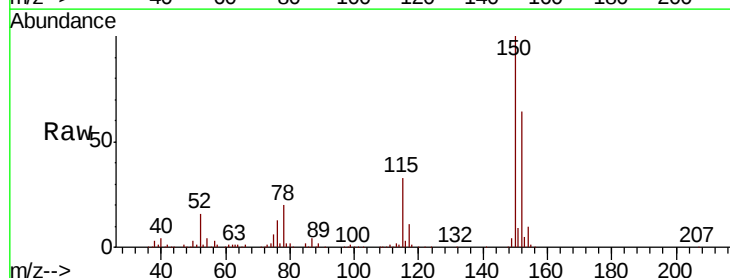


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

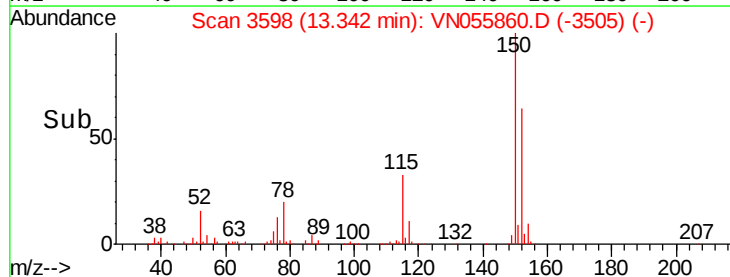
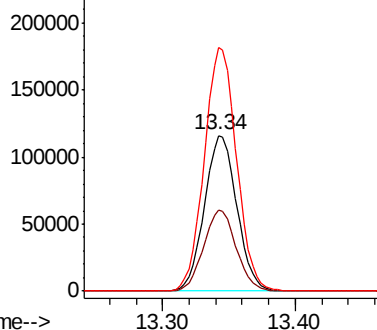


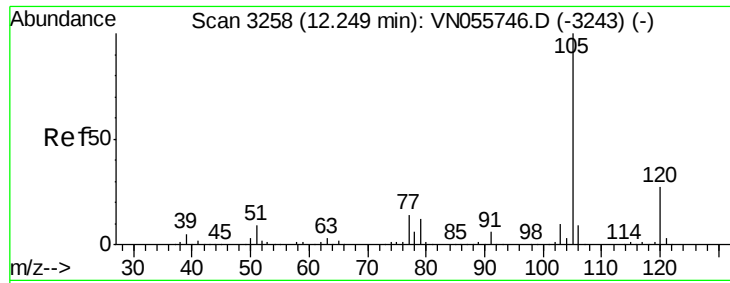
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055860.D
Acq: 28 May 2019 18:17

Tgt Ion:152 Resp: 196495
Ion Ratio Lower Upper
152 100
115 52.6 27.0 81.0
150 156.2 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: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

Instrument :

MSVOA_N

ClientSampled :

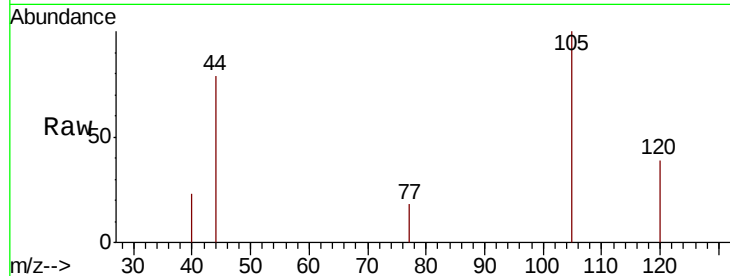
TP-2-S

Tot Ion:105 Resp: 1638

Ion Ratio Lower Upper

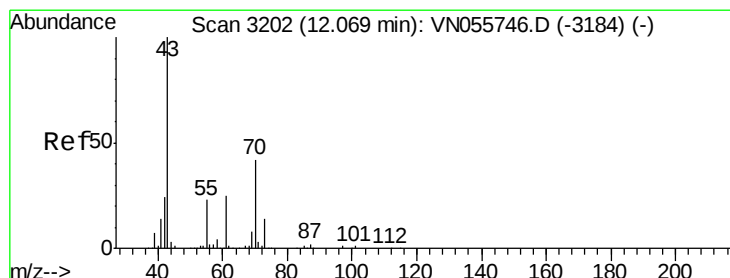
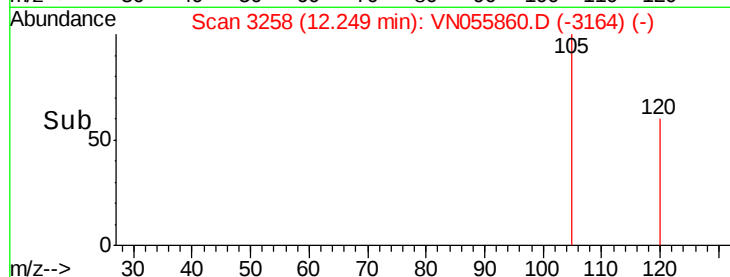
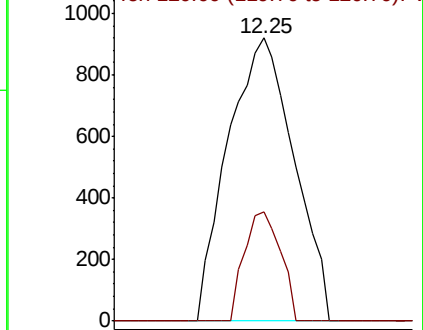
105 100

120 21.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

Tgt Ion: 43 Resp: 1076

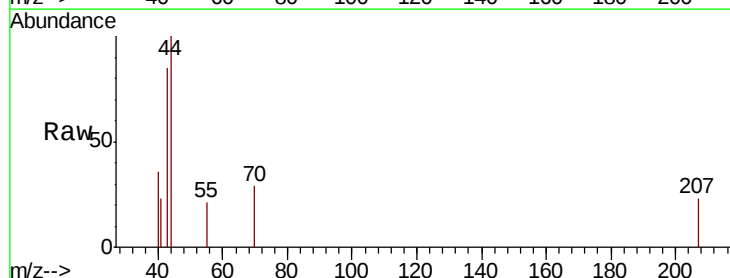
Ion Ratio Lower Upper

43 100

70 26.1 34.0 51.0#

55 9.4 18.6 28.0#

61 5.5 20.0 30.0#

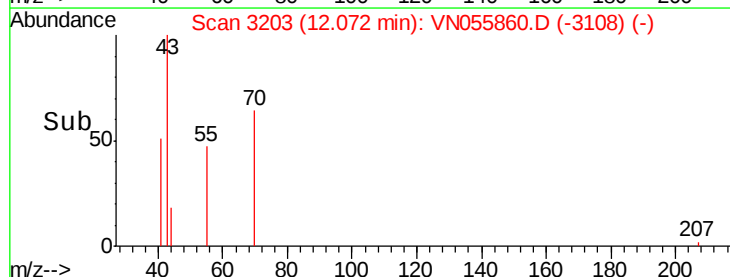
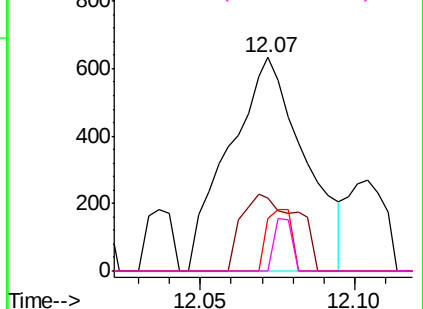


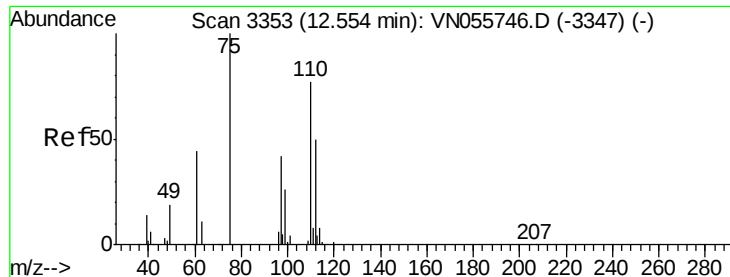
Abundance Ion 43.00 (42.70 to 43.70): V

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





#76

1,2,3-Trichloropropane

Concen: 30.335 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

Instrument :

MSVOA_N

ClientSampled :

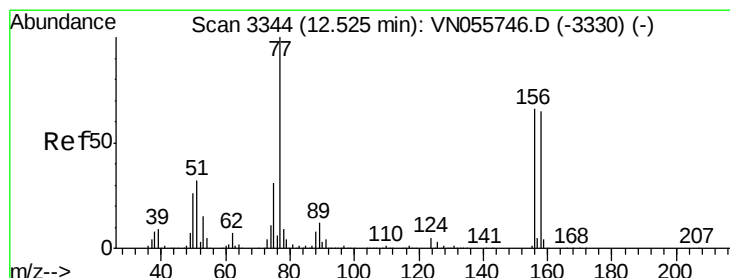
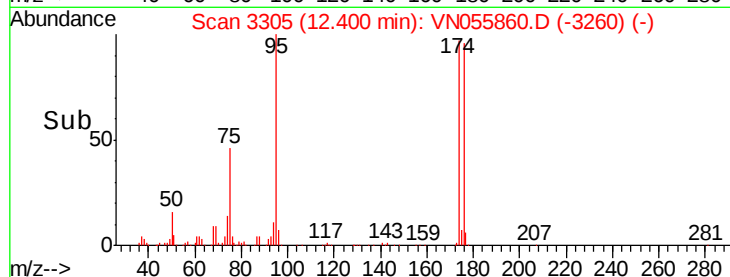
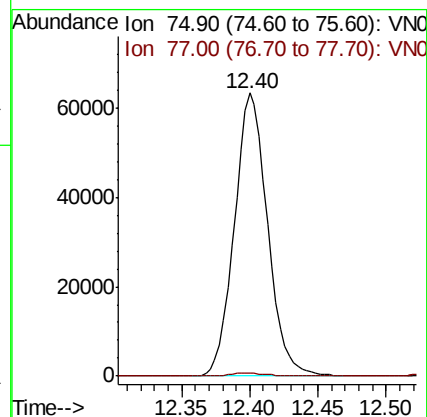
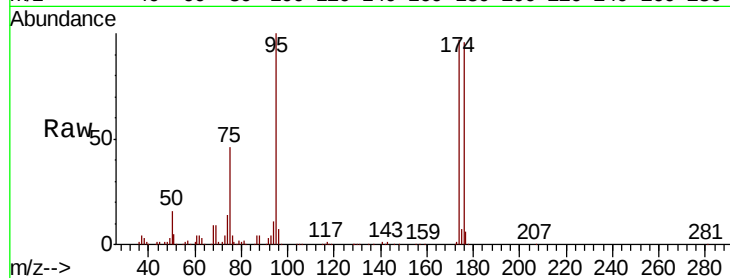
TP-2-S

Tot Ion: 75 Resp: 106827

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#77

Bromobenzene

Concen: 0.464 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

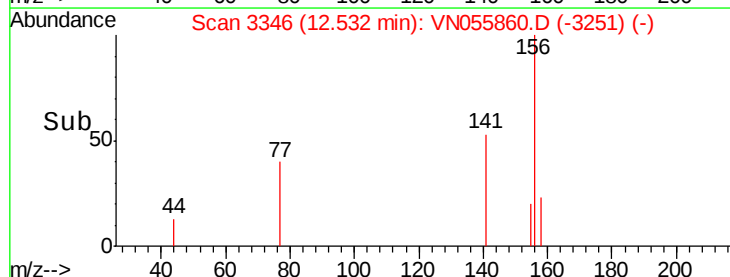
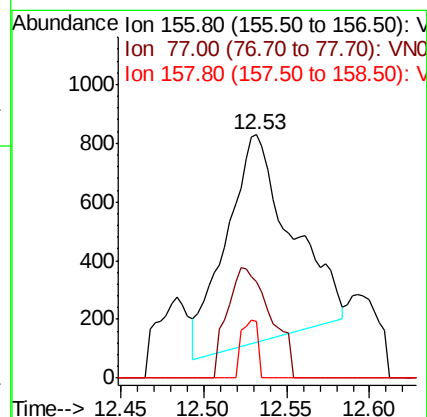
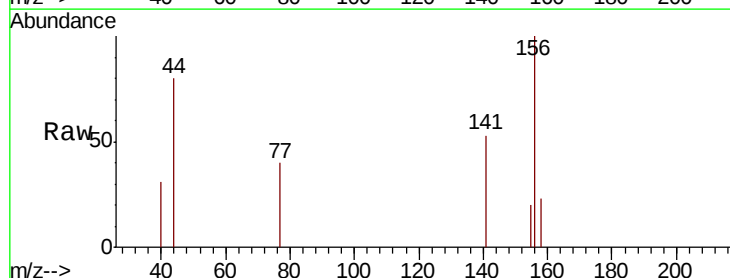
Tgt Ion: 156 Resp: 1944

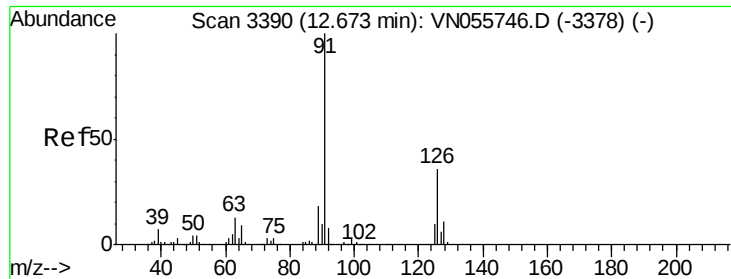
Ion Ratio Lower Upper

156 100

77 35.2 90.8 272.5#

158 7.2 49.3 147.8#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.66 min Scan# 3386

Delta R.T. -0.01 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

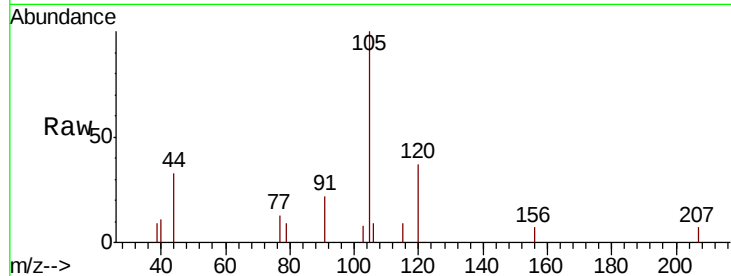
TP-2-S

Tot Ion: 91 Resp: 663

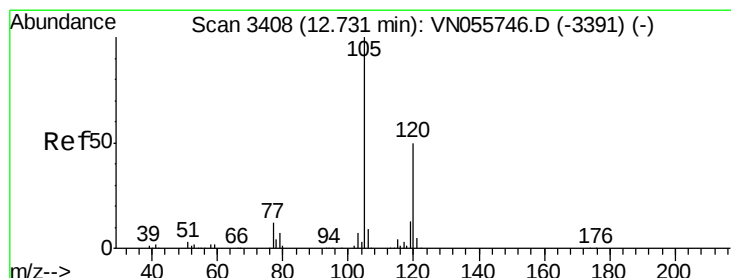
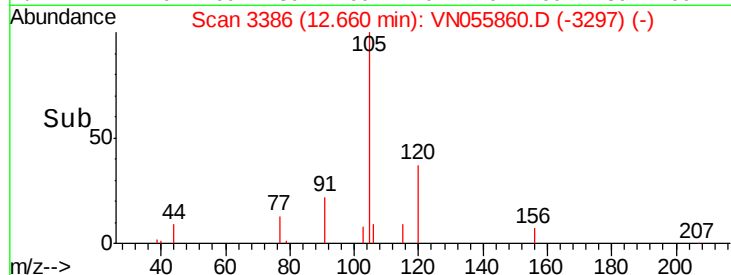
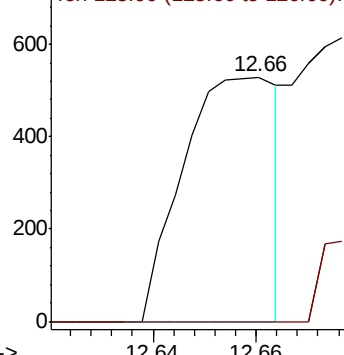
Ion Ratio Lower Upper

91 100

126 19.0 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055860.D (-3386) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055860.D

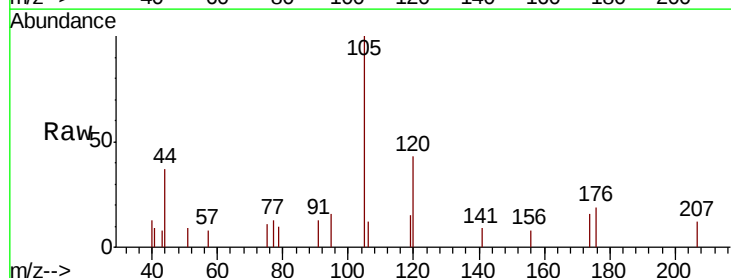
Acq: 28 May 2019 18:17

Tgt Ion: 105 Resp: 3270

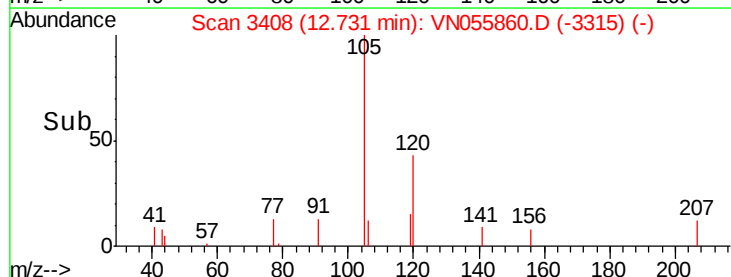
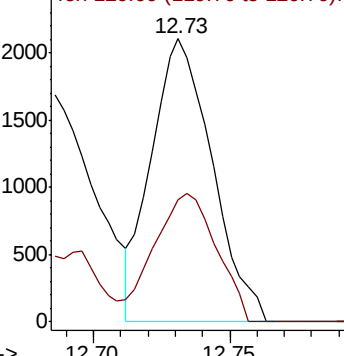
Ion Ratio Lower Upper

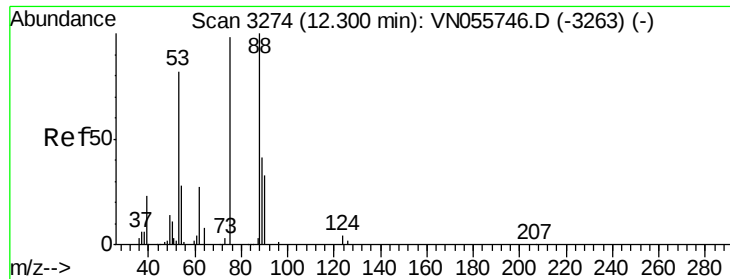
105 100

120 46.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055860.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 73.149 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

TP-2-S

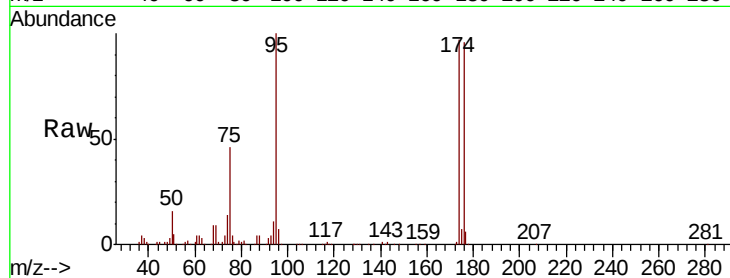
Tot Ion: 75 Resp: 106827

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

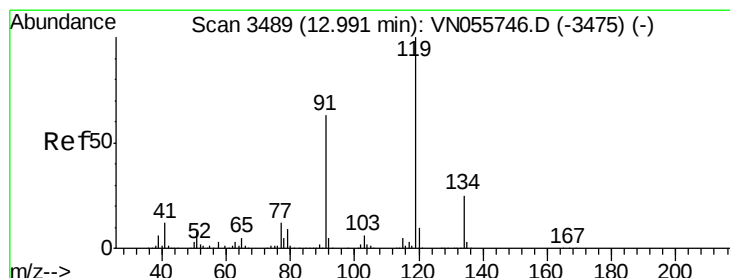
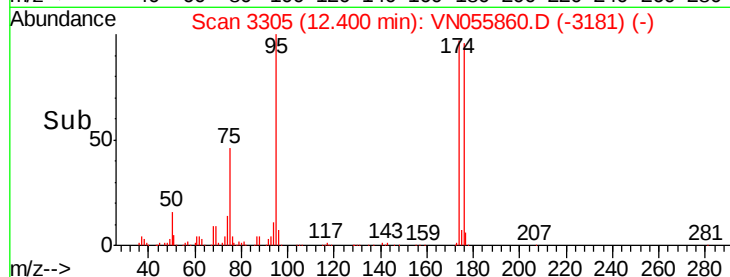
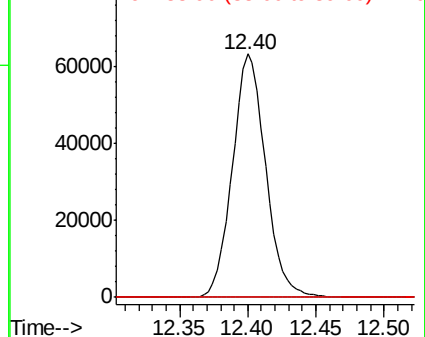
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055860.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN055860.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN055860.D (-3305) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

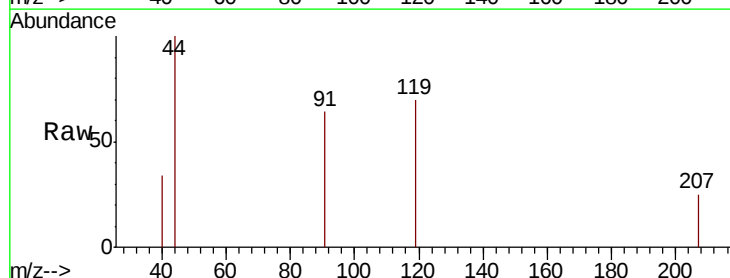
Tgt Ion: 119 Resp: 807

Ion Ratio Lower Upper

119 100

91 71.4 30.9 92.8

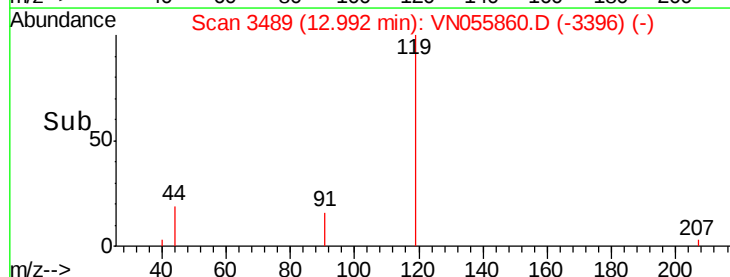
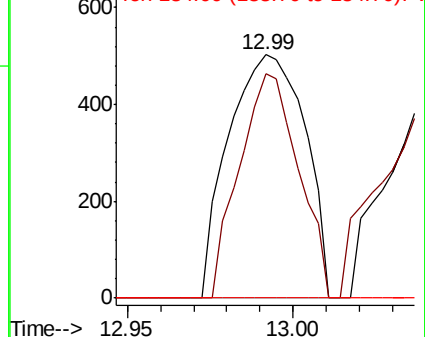
134 0.0 13.3 39.8#

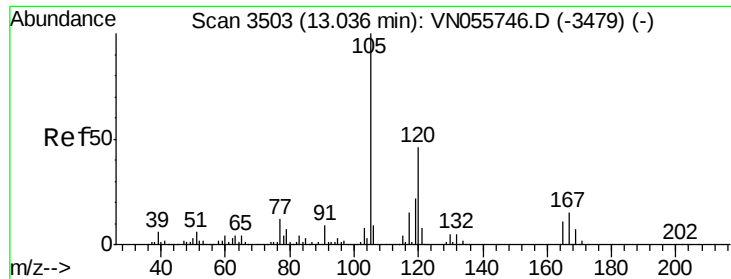


Abundance Ion 119.00 (118.70 to 119.70): VN055860.D (-3489) (-)

Ion 91.00 (90.70 to 91.70): VN055860.D (-3489) (-)

Ion 134.00 (133.70 to 134.70): VN055860.D (-3489) (-)

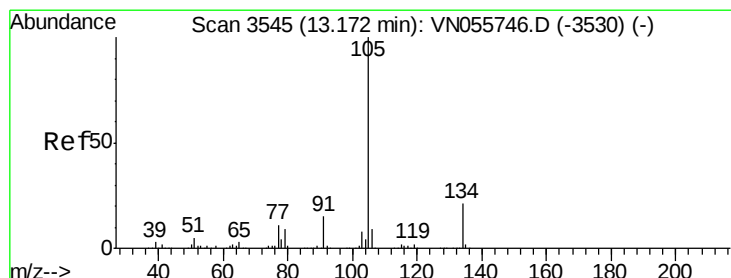
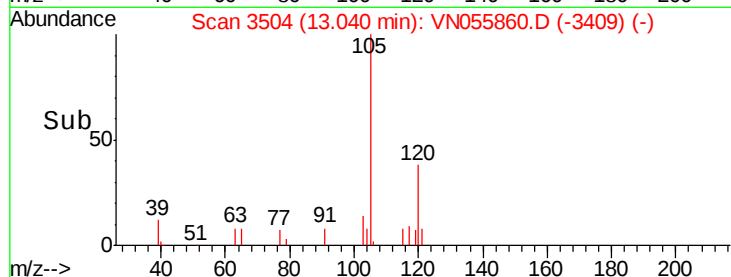
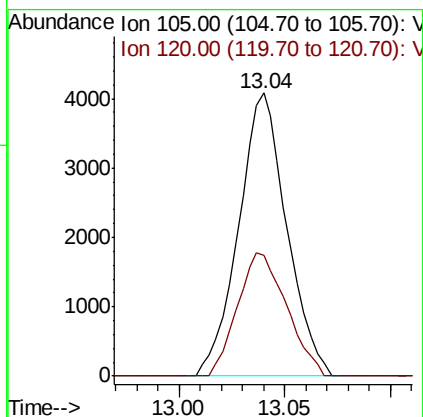
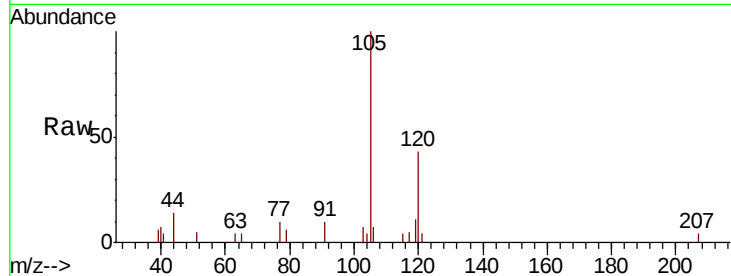




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055860.D
 Acq: 28 May 2019 18:17

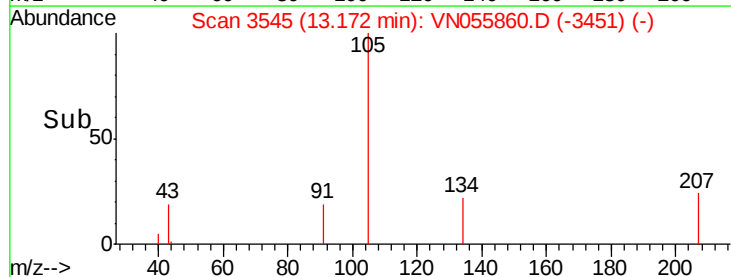
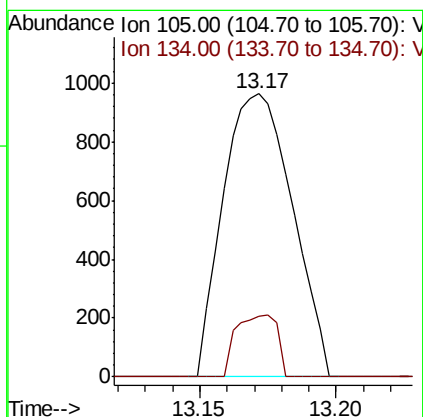
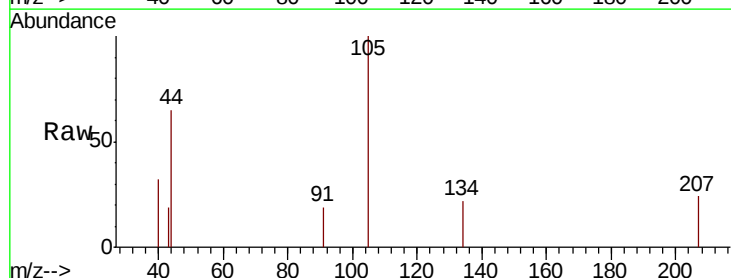
Instrument :
 MSVOA_N
 ClientSampled :
 TP-2-S

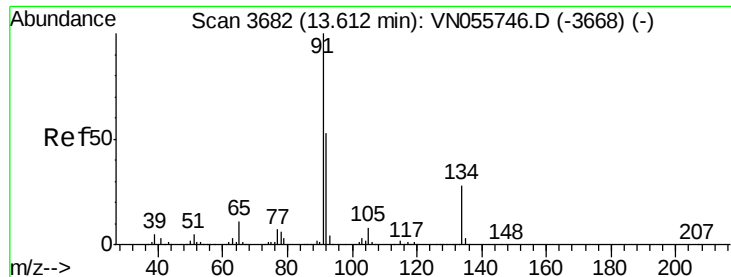
Tot Ion:105 Resp: 6461
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.0 69.0



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055860.D
 Acq: 28 May 2019 18:17

Tgt Ion:105 Resp: 1701
 Ion Ratio Lower Upper
 105 100
 134 12.9 10.4 31.2





#89

n-Butylbenzene

Concen: 0.204 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

TP-2-S

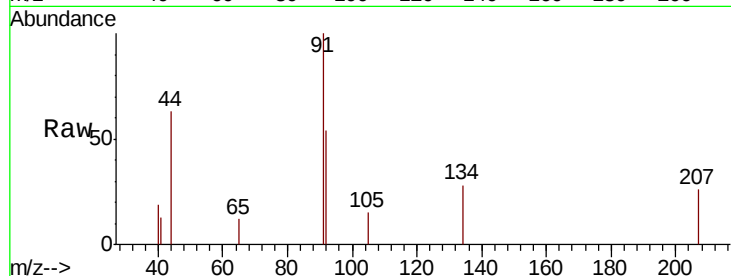
Tot Ion: 91 Resp: 2130

Ion Ratio Lower Upper

91 100

92 46.3 26.4 79.0

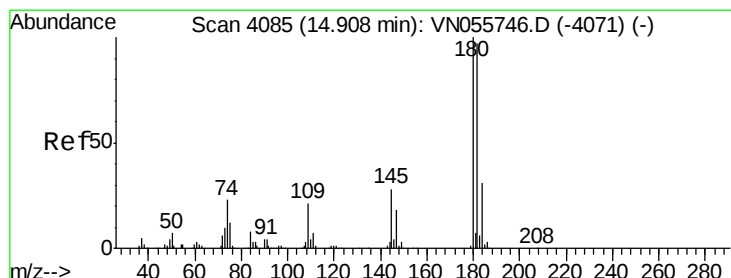
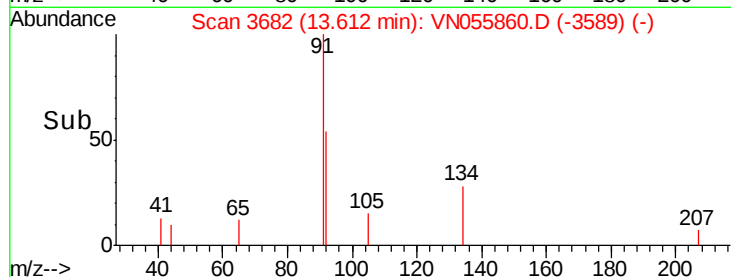
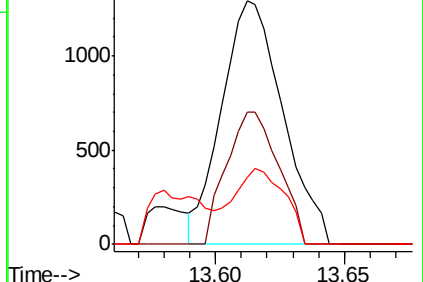
134 26.2 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN055860.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN055860.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN055860.D (-3589) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.002 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

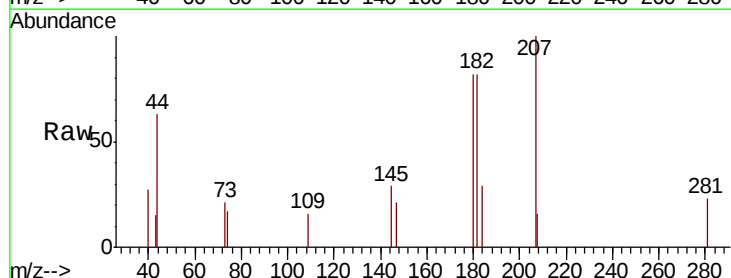
Tgt Ion: 180 Resp: 1501

Ion Ratio Lower Upper

180 100

182 87.6 48.3 144.9

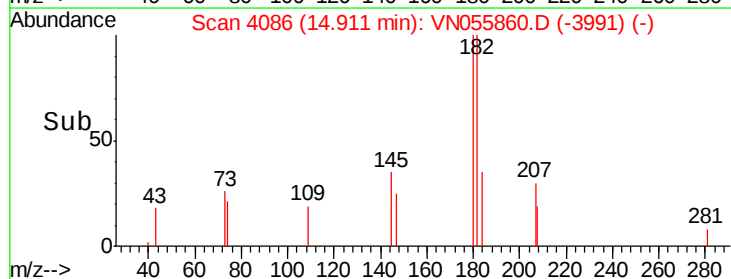
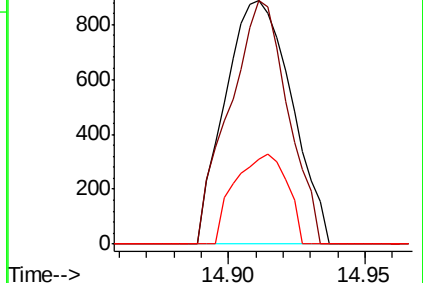
145 29.0 14.0 41.9

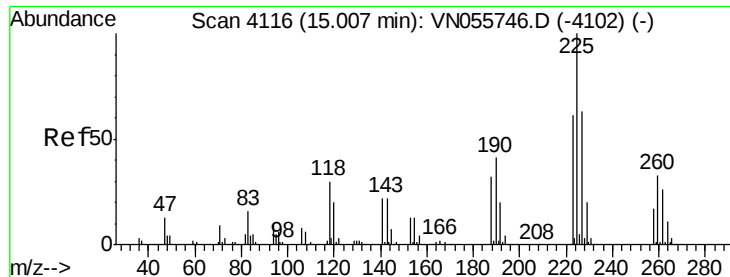


Abundance Ion 179.80 (179.50 to 180.50): VN055860.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN055860.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN055860.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

TP-2-S

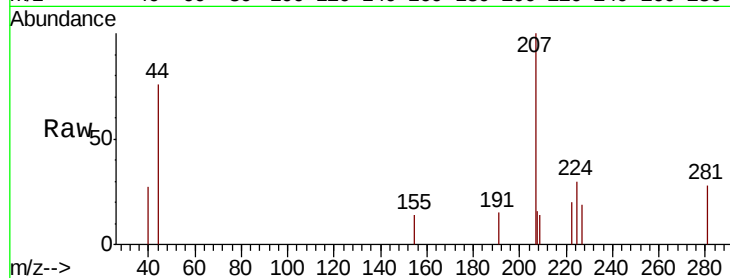
Tot Ion:225 Resp: 493

Ion Ratio Lower Upper

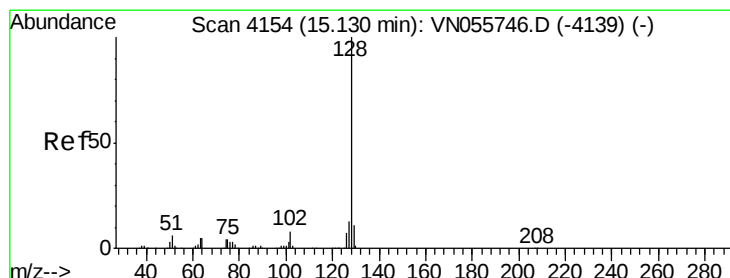
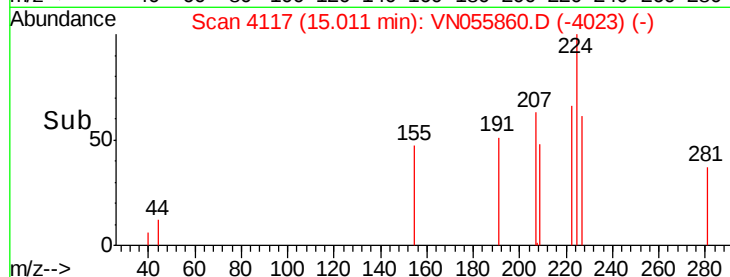
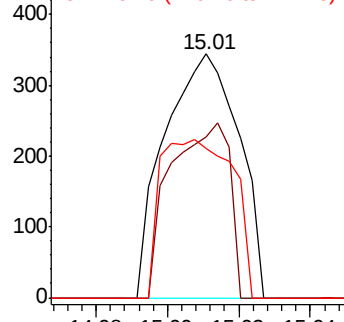
225 100

223 57.0 30.9 92.7

227 63.7 31.6 94.7



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



#95

Naphthalene

Concen: 2.783 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

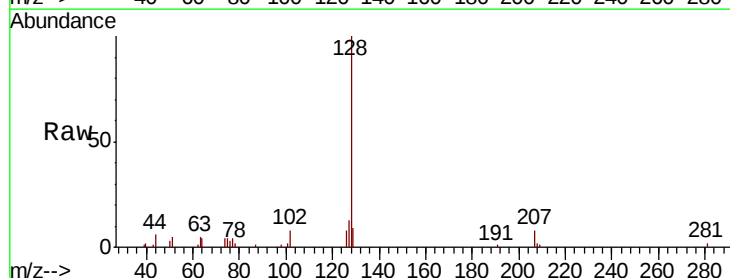
Tgt Ion:128 Resp: 25294

Ion Ratio Lower Upper

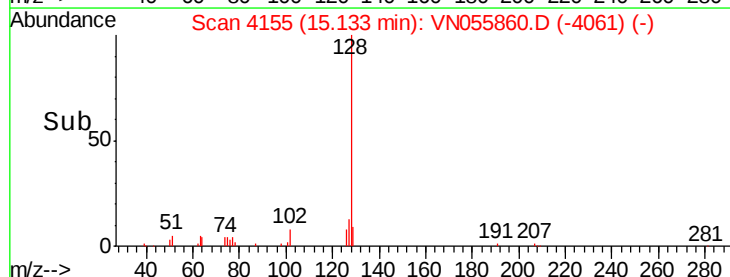
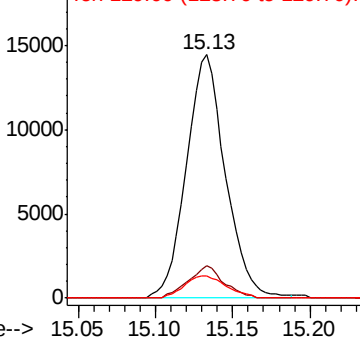
128 100

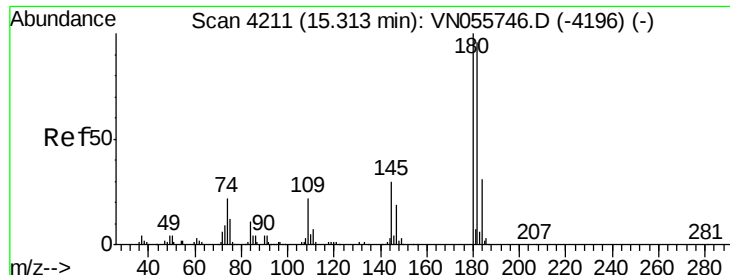
127 12.1 10.3 15.5

129 9.7 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: 0.493 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055860.D

Acq: 28 May 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

TP-2-S

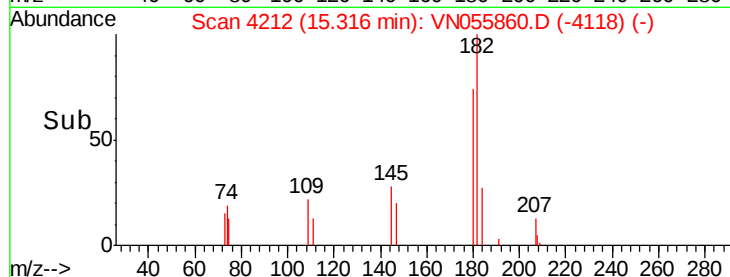
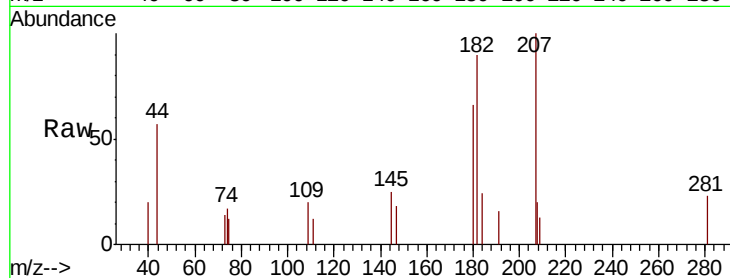
Tot Ion:180 Resp: 1727

Ion Ratio Lower Upper

180 100

182 107.6 47.9 143.7

145 28.0 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

