

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055757.D
 Acq On : 23 May 2019 16:46
 Operator : JC/SP
 Sample : PB119982TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB119982TB

Quant Time: May 24 06:49:13 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	490299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	672599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	603956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	227115	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	224983	44.43	ug/l	0.00
Spiked Amount			Recovery	=	88.86%	
35) Dibromofluoromethane	7.59	113	206842	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	10.09	98	793879	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.40	95	257672	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	449	0.648	ug/l #	77
16) Acetone	3.82	43	9514	4.274	ug/l	99
17) Carbon Disulfide	4.04	76	2507	0.212	ug/l #	74
18) Methyl Acetate	4.34	43	3101	Below Cal	#	68
20) Methylene Chloride	4.54	84	2581	0.535	ug/l #	86
25) 2-Butanone	6.85	43	2068	0.665	ug/l #	47
29) Tetrahydrofuran	7.23	42	1260	0.640	ug/l #	53
31) Cyclohexane	7.66	56	7257	0.955	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	26520	4.525	ug/l #	48
38) Carbon Tetrachloride	7.66	117	38916	6.374	ug/l #	15
43) Isopropyl Acetate	8.17	43	16241	1.706	ug/l #	88
45) 1,2-Dichloropropane	9.27	63	1704	0.370	ug/l #	44
48) Methyl methacrylate	9.18	41	8416	1.919	ug/l #	12
51) 4-Methyl-2-Pentanone	9.99	43	5315	0.945	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	64037	8.750	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	12472	1.724	ug/l #	42
59) 2-Hexanone	10.76	43	164208	41.176	ug/l #	50
65) Chlorobenzene	11.44	112	2682	0.222	ug/l	94
71) Bromoform	12.40	173	1638	0.398	ug/l #	1
73) Isopropylbenzene	12.25	105	1264	Below Cal	#	69
74) N-amyl acetate	12.07	43	913	Below Cal	#	78
76) 1,2,3-Trichloropropane	12.40	75	119222	29.175	ug/l #	100
79) 2-Chlorotoluene	12.68	91	967	Below Cal		74
80) 1,3,5-Trimethylbenzene	12.73	105	9092	Below Cal		100
81) trans-1,4-Dichloro-2-buten	12.40	75	119222	70.630	ug/l #	15
83) tert-Butylbenzene	12.99	119	953	Below Cal	#	83
84) 1,2,4-Trimethylbenzene	13.04	105	1637	Below Cal		97
85) sec-Butylbenzene	13.17	105	1678	Below Cal	#	73
93) 1,2,4-Trichlorobenzene	14.91	180	1924	4.042	ug/l	87
94) Hexachlorobutadiene	15.01	225	552	Below Cal		96
95) Naphthalene	15.13	128	6773	0.645	ug/l	96
96) 1,2,3-Trichlorobenzene	15.32	180	2171	0.536	ug/l	91

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

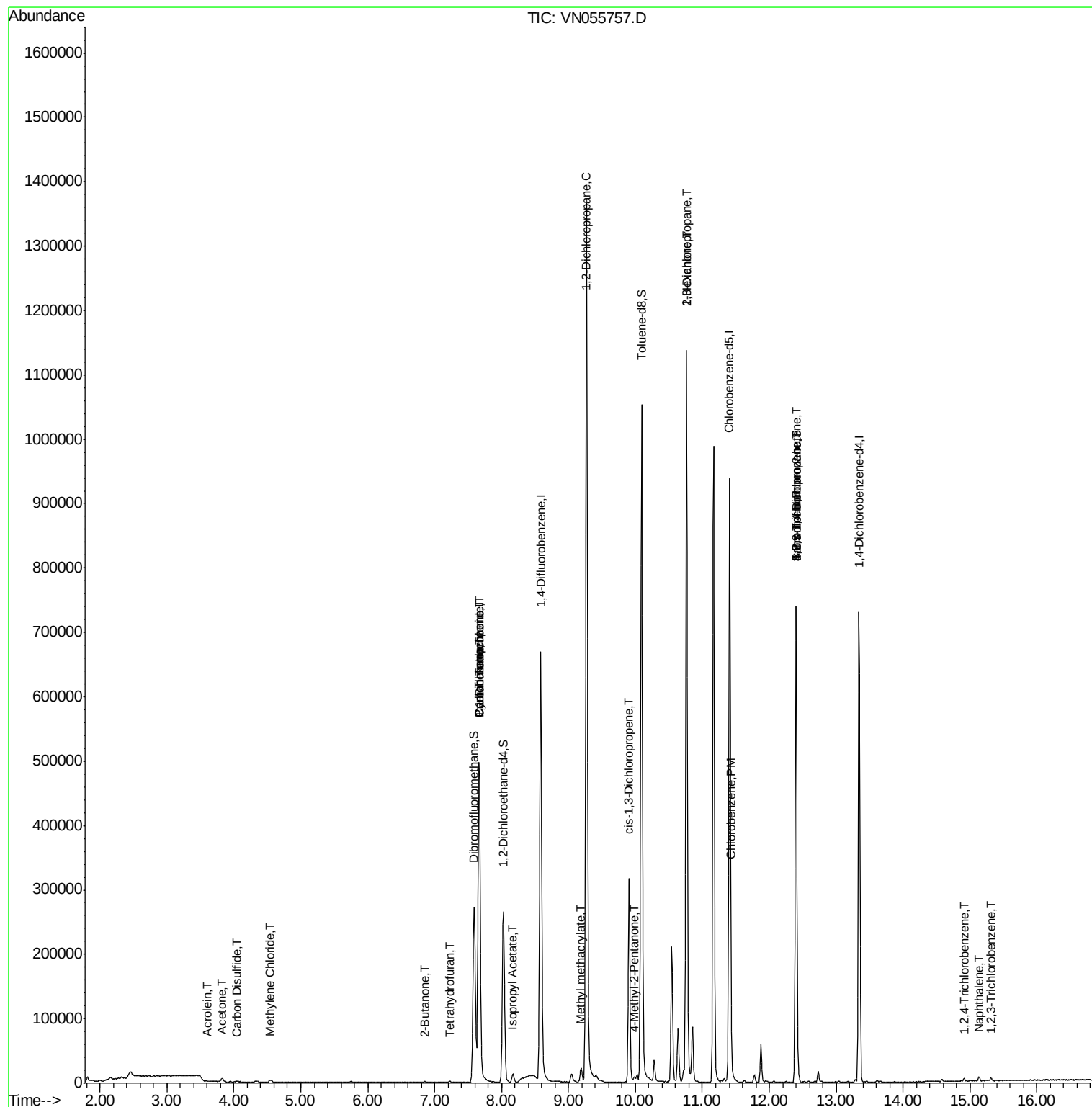
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

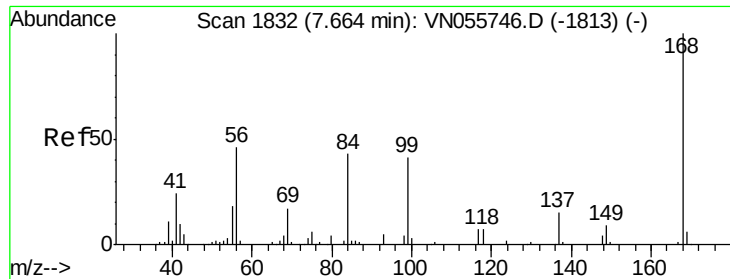
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052319\
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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: VN055757.D

Acq: 23 May 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

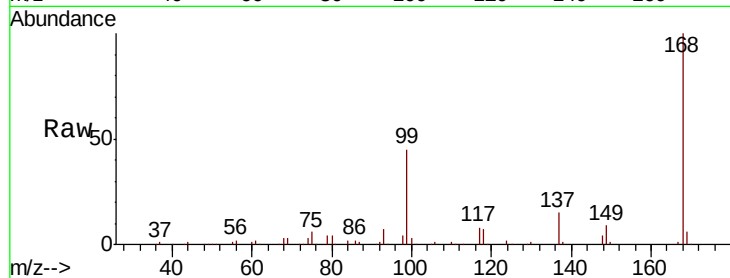
PB119982TB

Tot Ion:168 Resp: 490299

Ion Ratio Lower Upper

168 100

99 45.0 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

200000

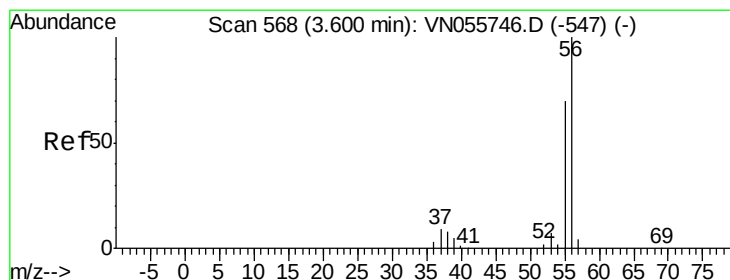
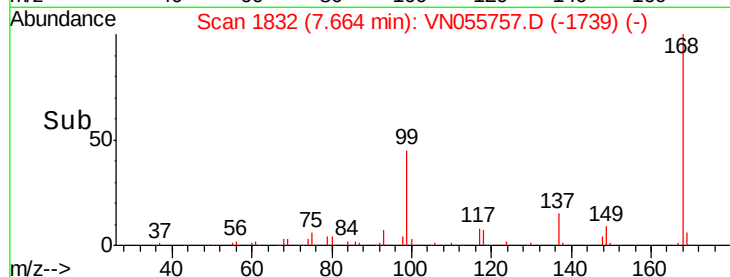
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#13

Acrolein

Concen: 0.648 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN055757.D

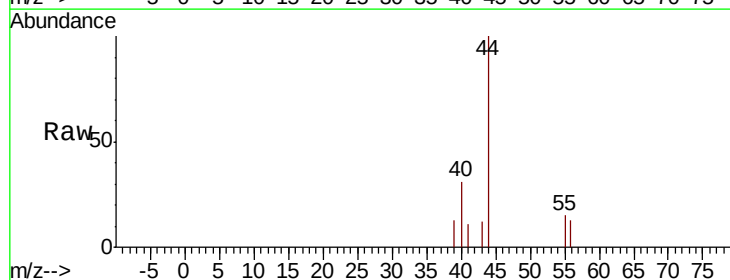
Acq: 23 May 2019 16:46

Tgt Ion: 56 Resp: 449

Ion Ratio Lower Upper

56 100

55 88.2 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

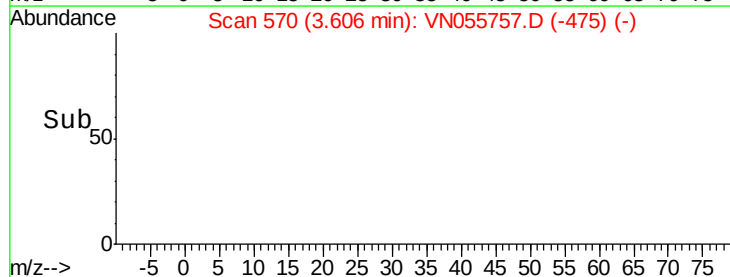
300

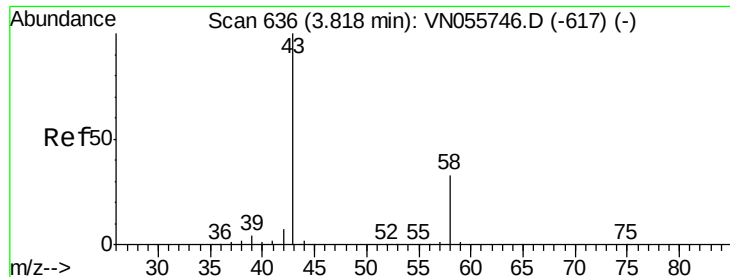
200

100

0

Time--> 3.56 3.58 3.60 3.62





#16

Acetone

Concen: 4.274 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

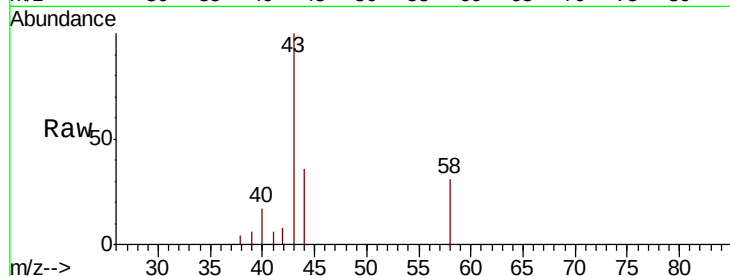
PB119982TB

Tot Ion: 43 Resp: 9514

Ion Ratio Lower Upper

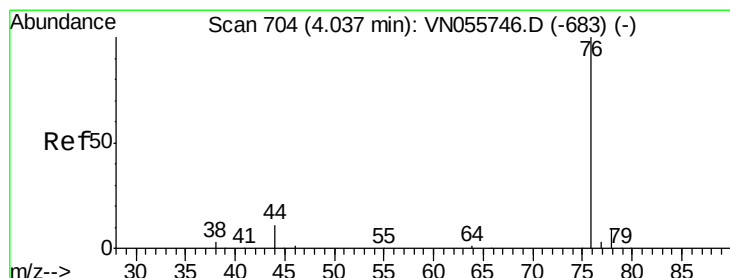
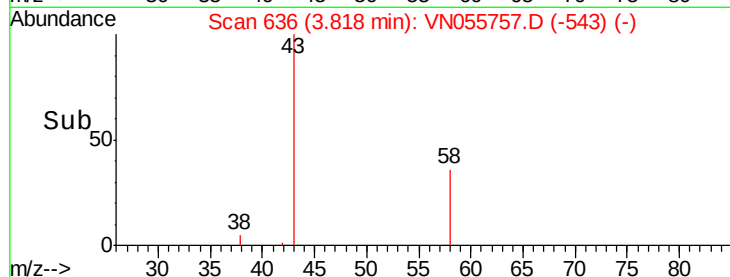
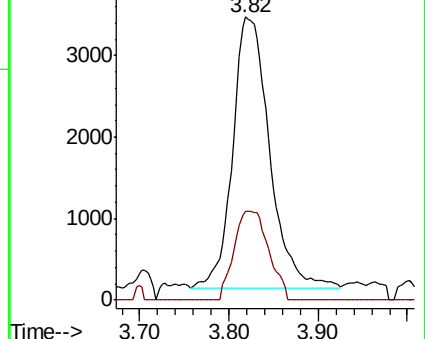
43 100

58 32.7 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.212 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055757.D

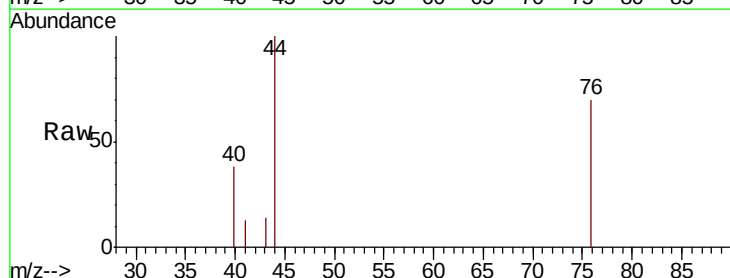
Acq: 23 May 2019 16:46

Tgt Ion: 76 Resp: 2507

Ion Ratio Lower Upper

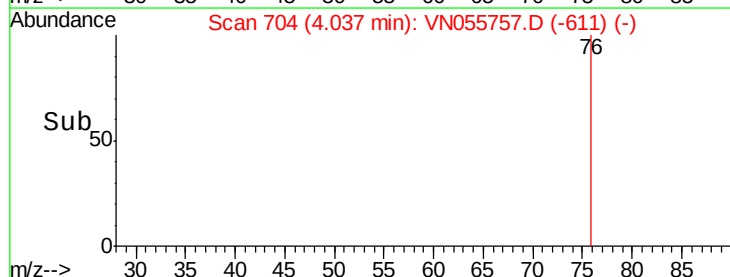
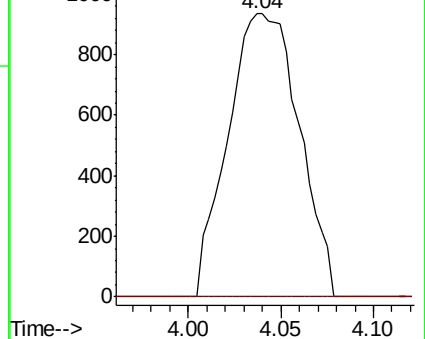
76 100

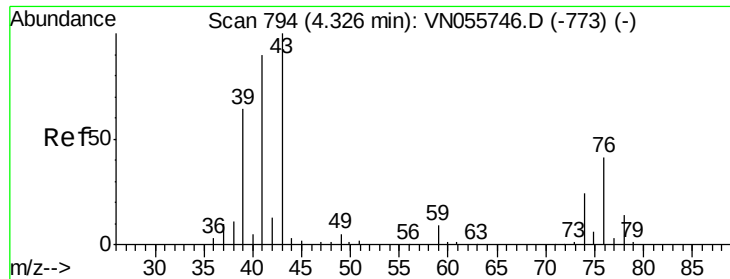
78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

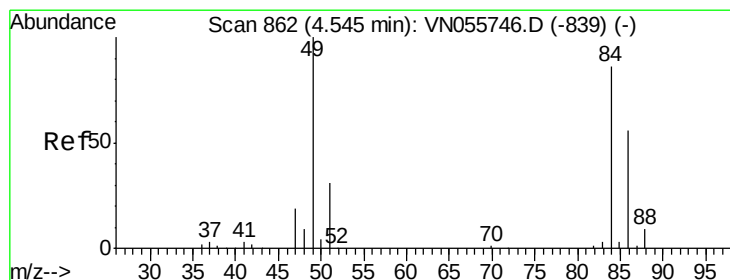
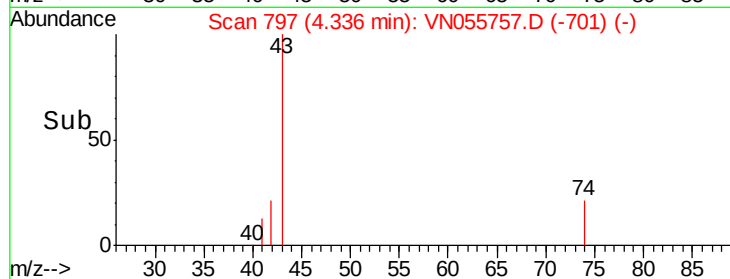
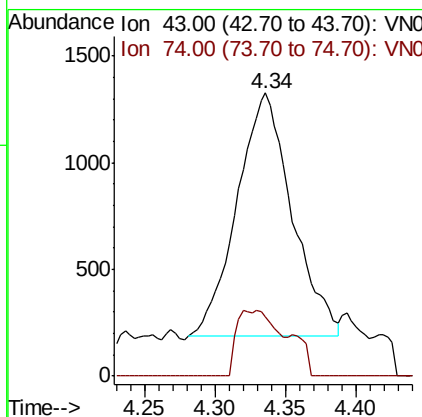
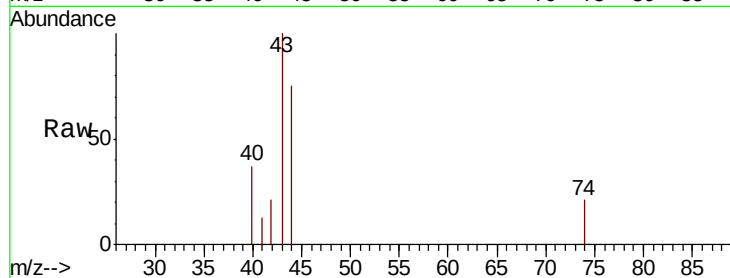




#18
Methvl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055757.D
Acq: 23 May 2019 16:46

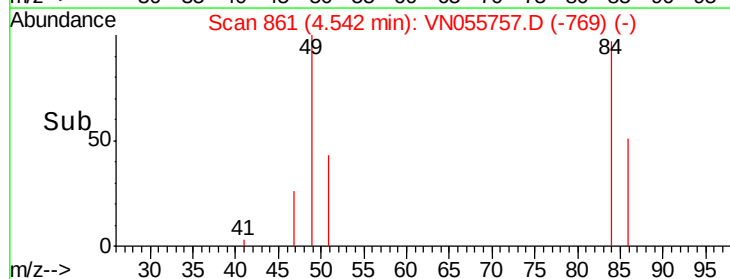
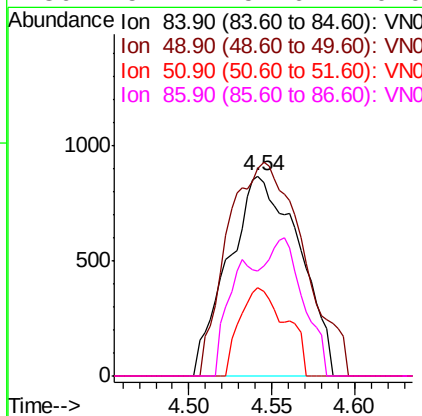
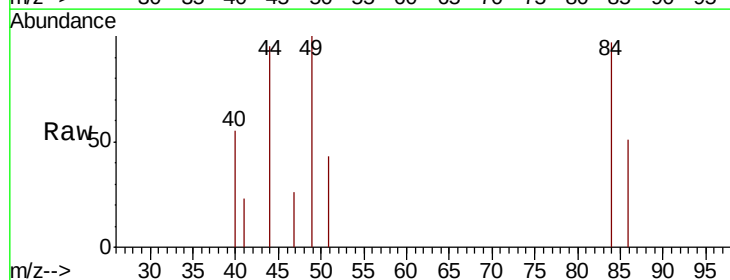
Instrument :
MSVOA_N
ClientSampled :
PB119982TB

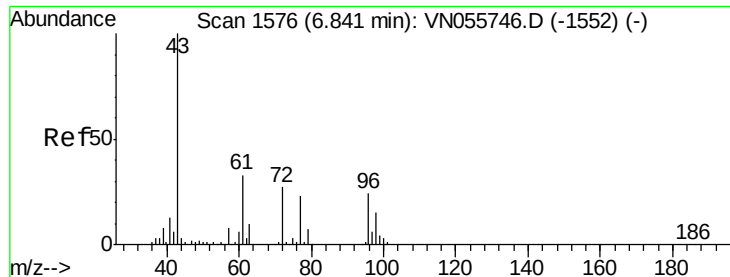
Tot Ion: 43 Resp: 3101
Ion Ratio Lower Upper
43 100
74 8.5 19.3 28.9#



#20
Methylene Chloride
Concen: 0.535 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055757.D
Acq: 23 May 2019 16:46

Tgt Ion: 84 Resp: 2581
Ion Ratio Lower Upper
84 100
49 103.2 93.5 140.3
51 44.1 28.6 43.0#
86 52.2 52.6 79.0#

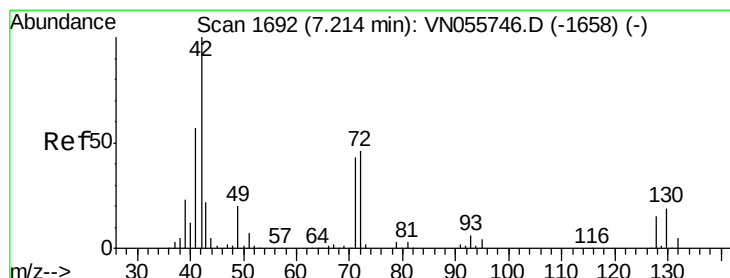
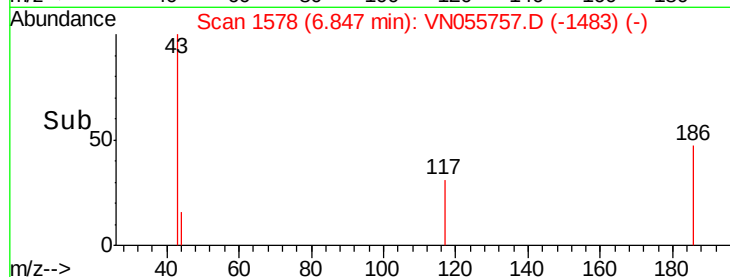
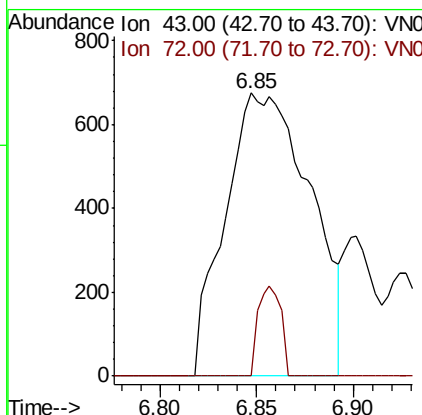
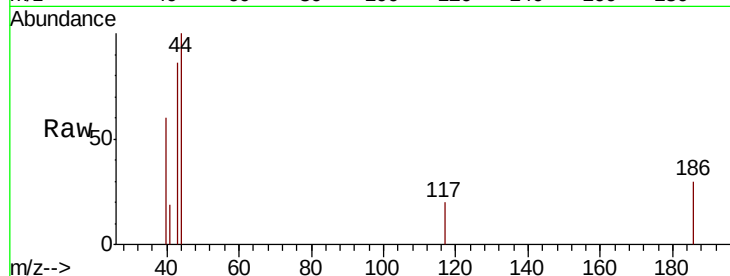




#25
 2-Butanone
 Concen: 0.665 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN055757.D
 Acq: 23 May 2019 16:46

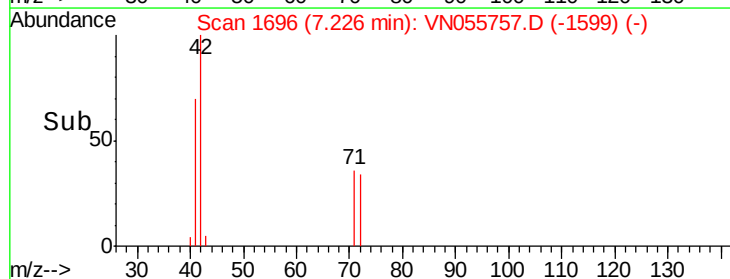
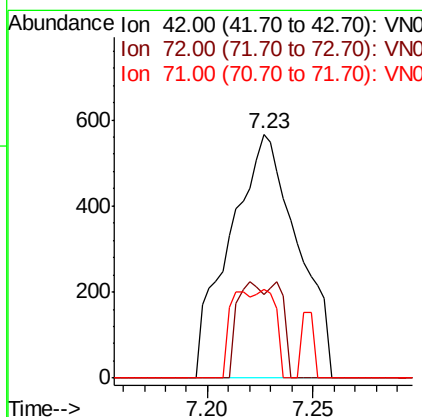
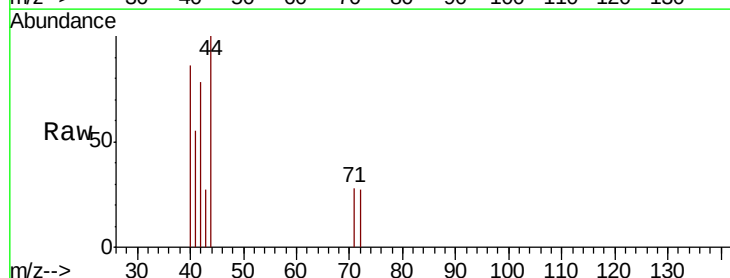
Instrument :
 MSVOA_N
 ClientSampled :
 PB119982TB

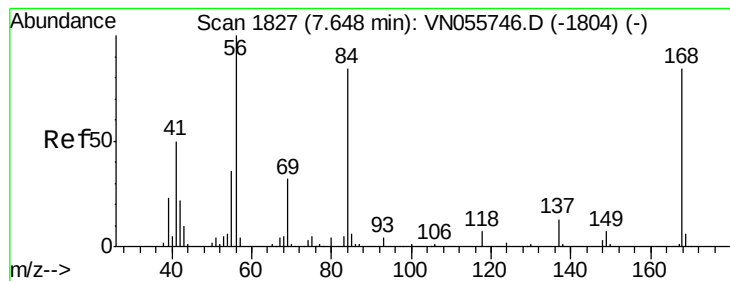
Tot Ion: 43 Resp: 2068
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.9 32.9#



#29
 Tetrahydrofuran
 Concen: 0.640 ug/l
 RT: 7.23 min Scan# 1696
 Delta R.T. 0.01 min
 Lab File: VN055757.D
 Acq: 23 May 2019 16:46

Tgt Ion: 42 Resp: 1260
 Ion Ratio Lower Upper
 42 100
 72 15.5 35.9 53.9#
 71 11.6 34.0 51.0#





#31

Cyclohexane

Concen: 0.955 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

PB119982TB

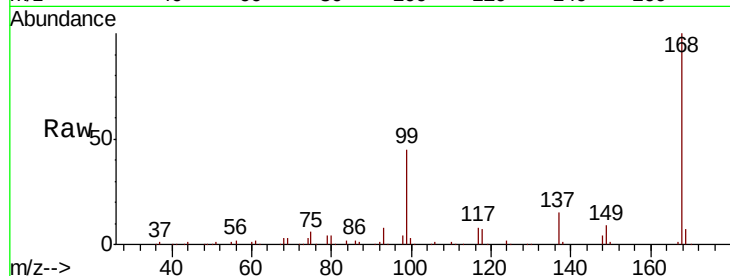
Tot Ion: 56 Resp: 7257

Ion Ratio Lower Upper

56 100

69 173.8 25.6 38.4#

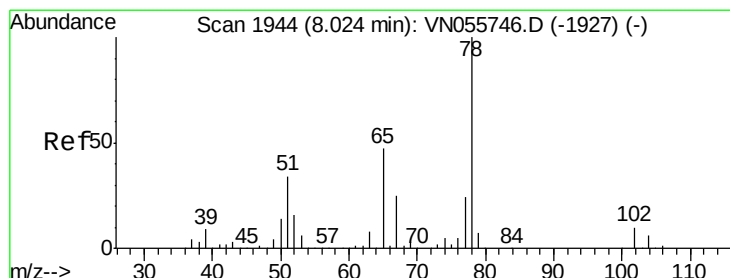
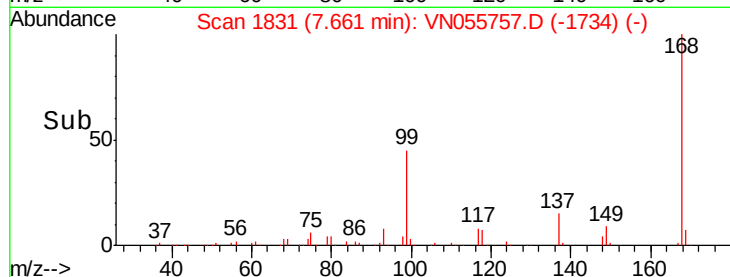
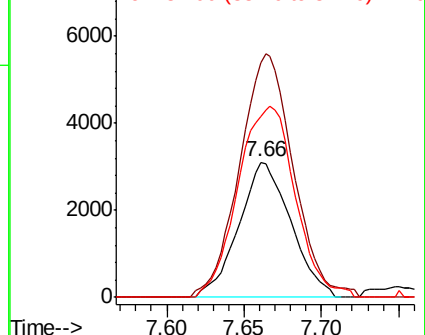
84 133.8 67.4 101.0#



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: 44.433 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055757.D

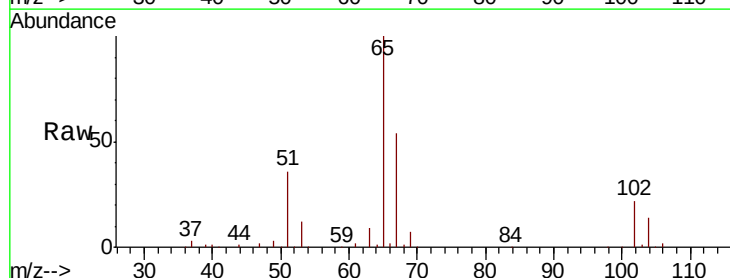
Acq: 23 May 2019 16:46

Tgt Ion: 65 Resp: 224983

Ion Ratio Lower Upper

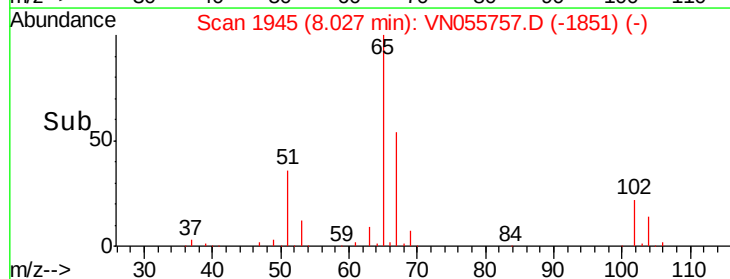
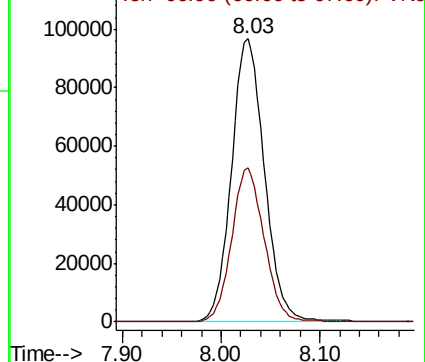
65 100

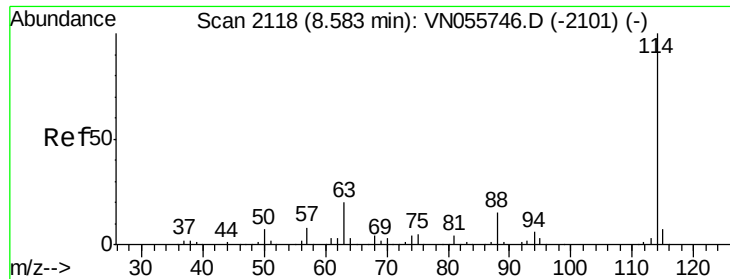
67 53.8 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

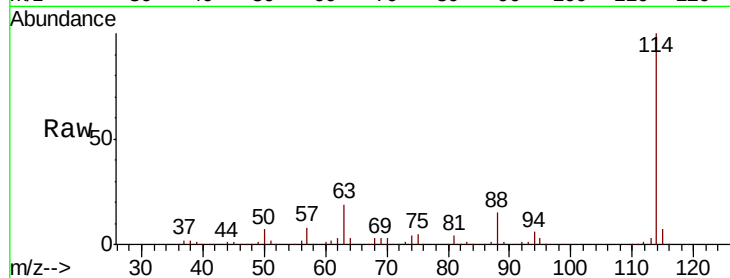




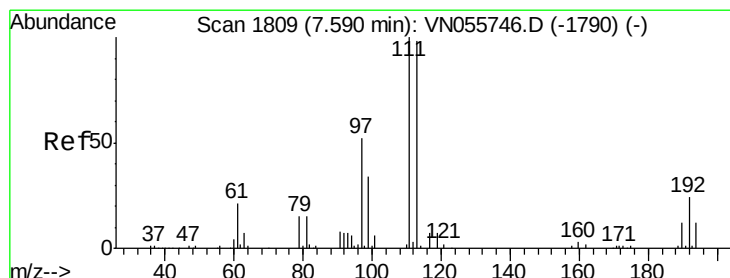
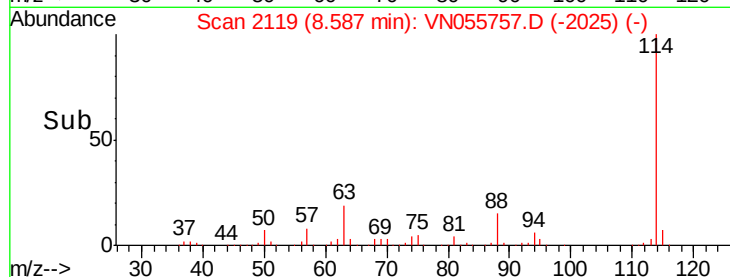
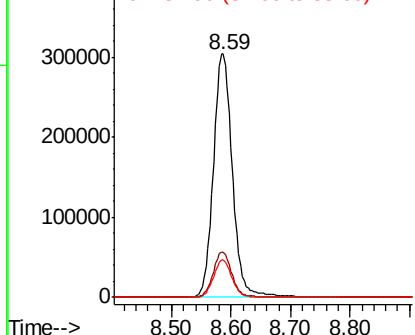
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055757.D
 Acq: 23 May 2019 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB119982TB

Tot Ion:114 Resp: 672599
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.2
 88 15.3 0.0 31.0

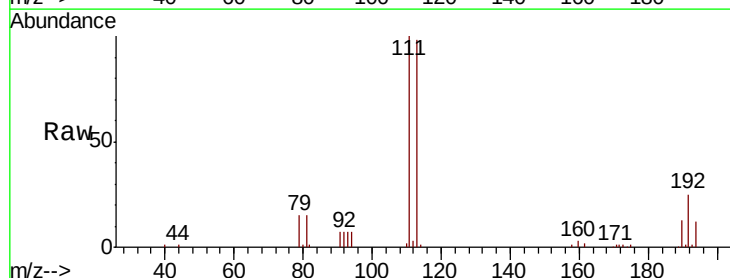


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

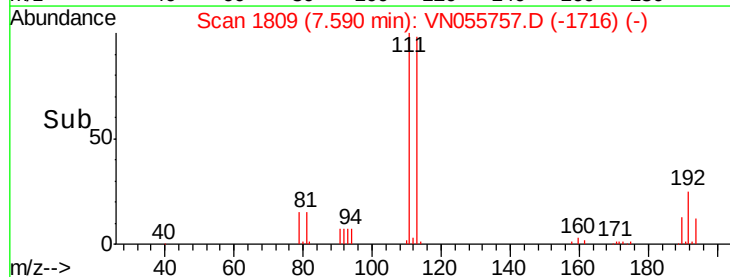
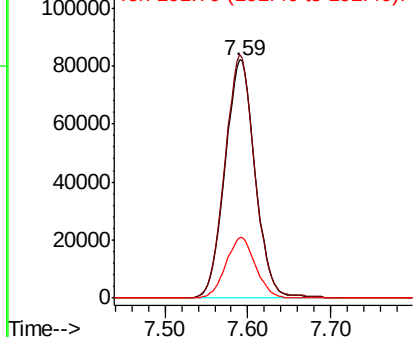


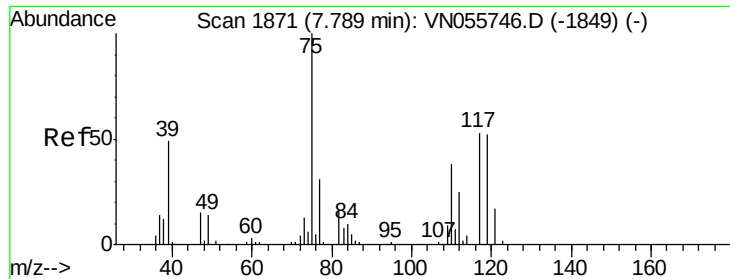
#35
 Dibromofluoromethane
 Concen: 48.641 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055757.D
 Acq: 23 May 2019 16:46

Tgt Ion:113 Resp: 206842
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.9 122.9
 192 25.1 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

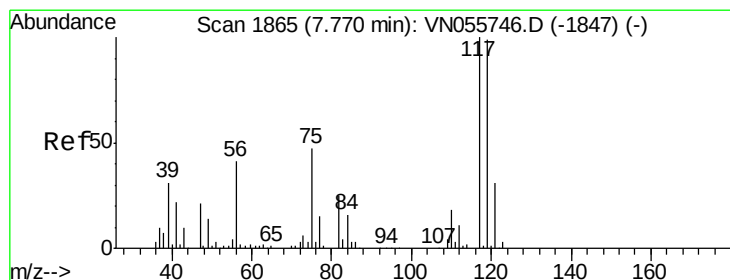
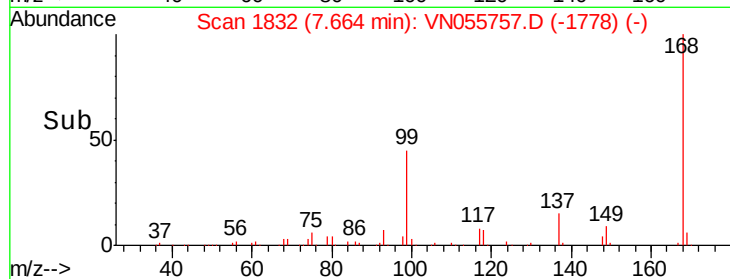
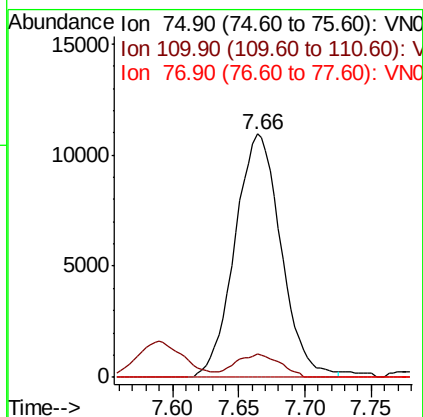
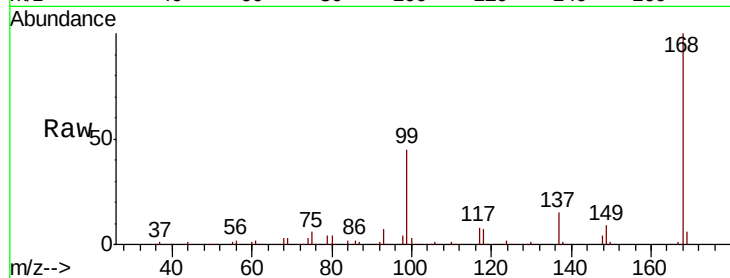




#36
 1,1-Dichloropropene
 Concen: 4.525 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055757.D
 Acq: 23 May 2019 16:46

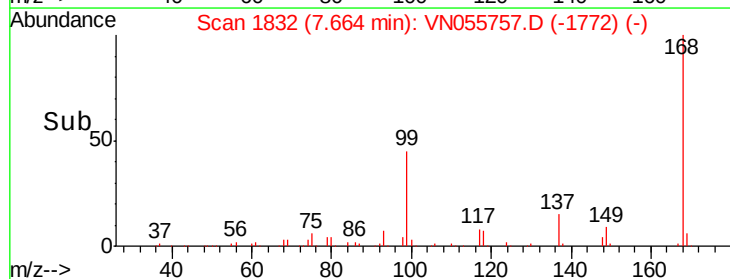
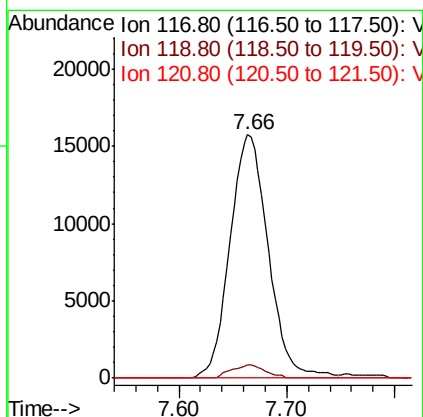
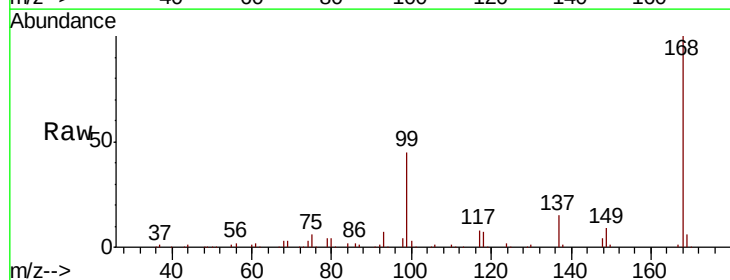
Instrument :
 MSVOA_N
 ClientSampleId :
 PB119982TB

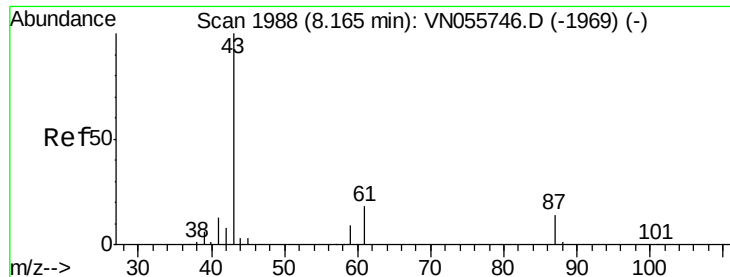
Tot Ion: 75 Resp: 26520
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.0 57.0#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.374 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055757.D
 Acq: 23 May 2019 16:46

Tgt Ion: 117 Resp: 38916
 Ion Ratio Lower Upper
 117 100
 119 5.4 79.0 118.6#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 1.706 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

PB119982TB

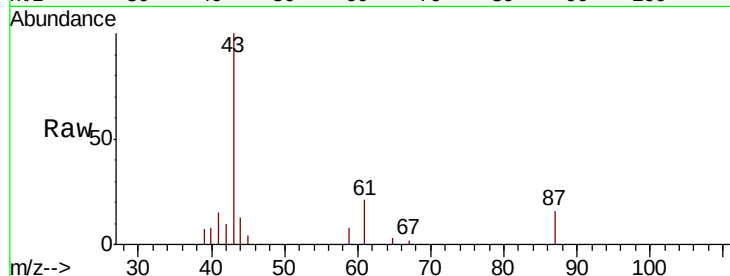
Tot Ion: 43 Resp: 16241

Ion Ratio Lower Upper

43 100

61 18.9 22.2 33.4#

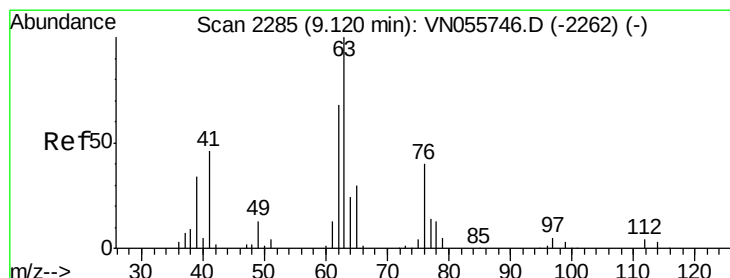
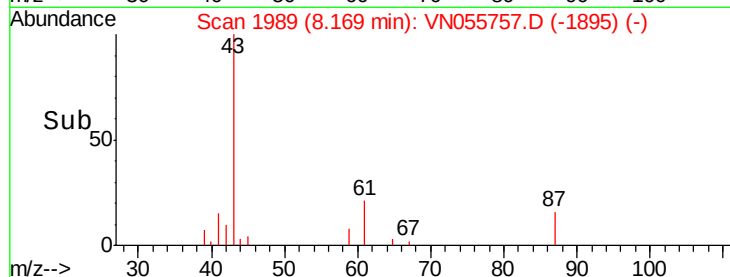
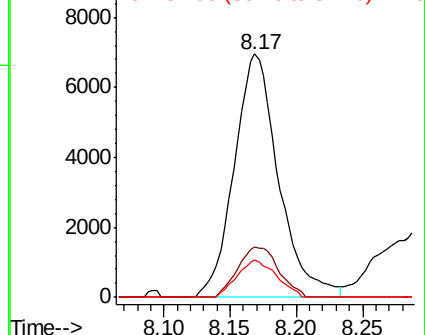
87 13.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.370 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN055757.D

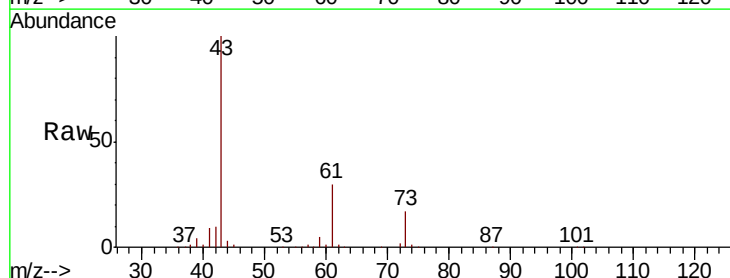
Acq: 23 May 2019 16:46

Tgt Ion: 63 Resp: 1704

Ion Ratio Lower Upper

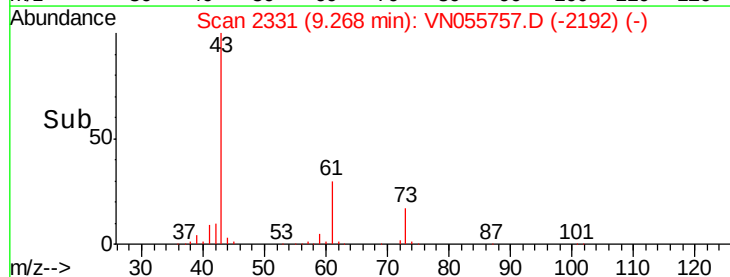
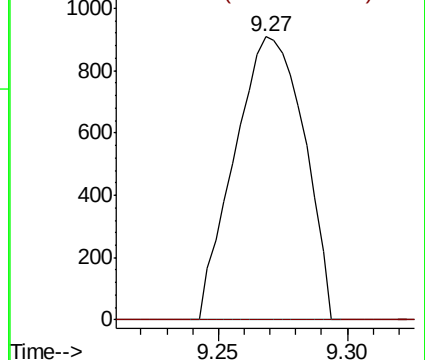
63 100

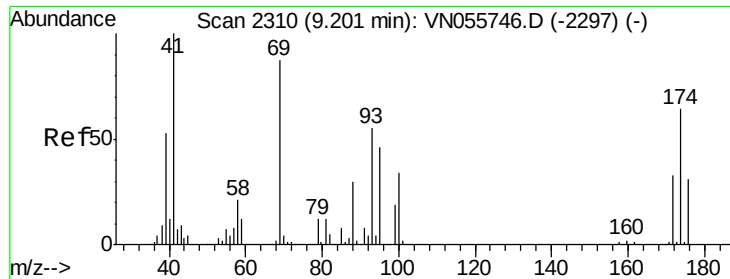
65 0.0 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

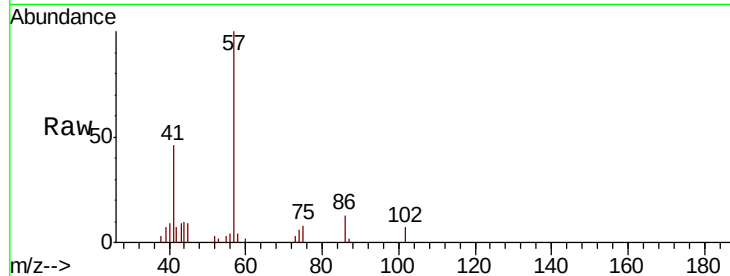




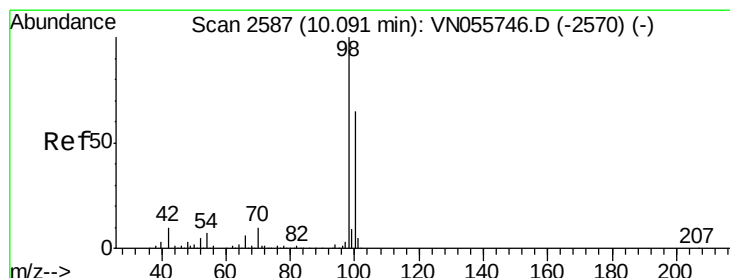
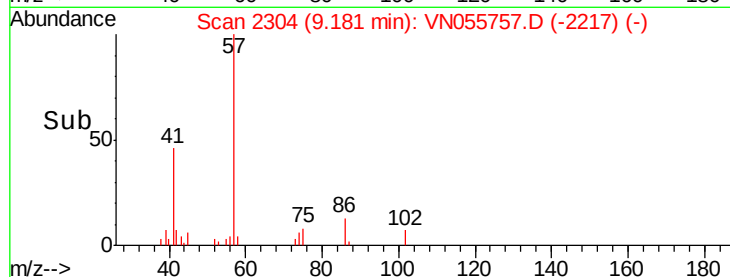
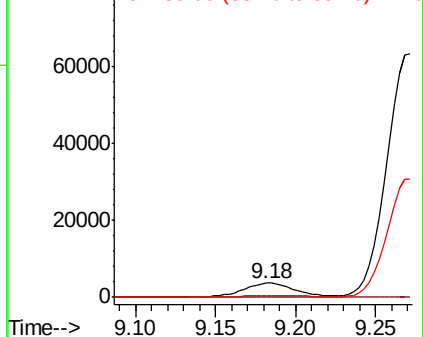
#48
Methvl methacrylate
Concen: 1.919 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN055757.D
Acq: 23 May 2019 16:46

Instrument :
MSVOA_N
ClientSampleId :
PB119982TB

Tot Ion: 41 Resp: 8416
Ion Ratio Lower Upper
41 100
69 0.0 71.0 106.6#
39 0.0 44.2 66.2#

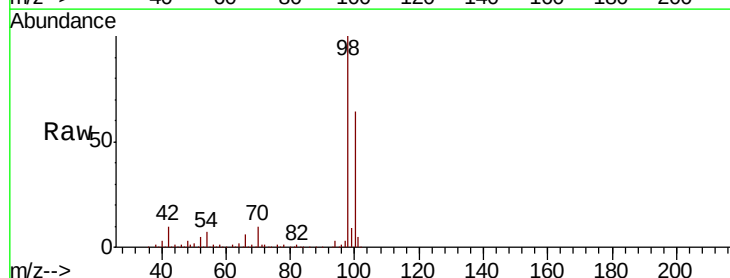


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

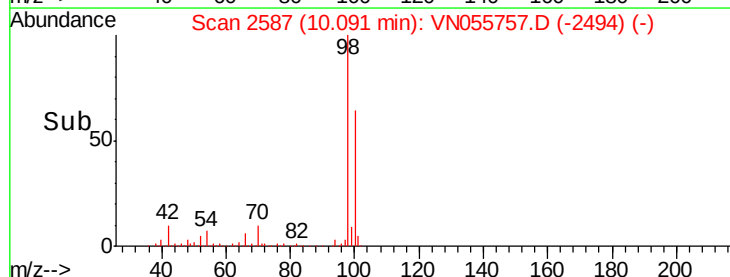
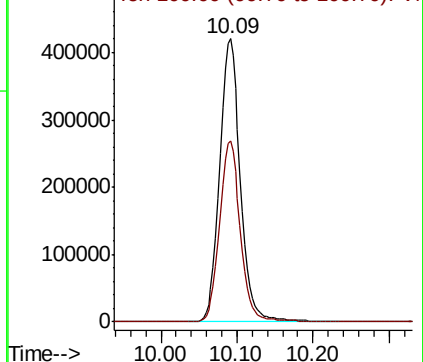


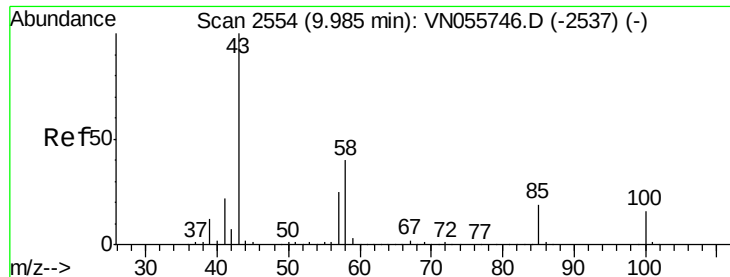
#50
Toluene-d8
Concen: 48.669 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055757.D
Acq: 23 May 2019 16:46

Tgt Ion: 98 Resp: 793879
Ion Ratio Lower Upper
98 100
100 64.4 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: 0.945 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

Instrument :

MSVOA_N

ClientSampled :

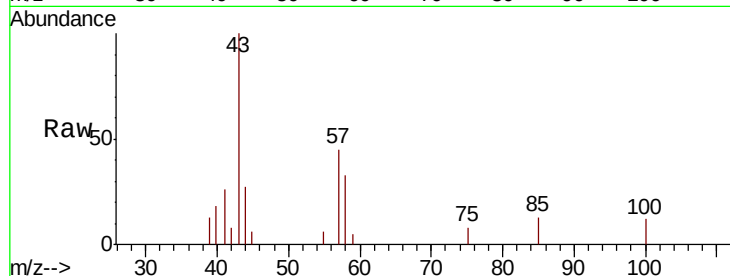
PB119982TB

Tot Ion: 43 Resp: 5315

Ion Ratio Lower Upper

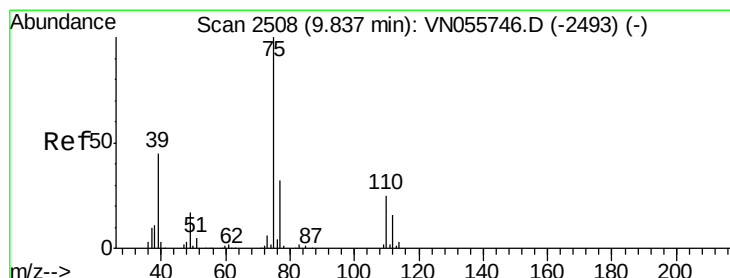
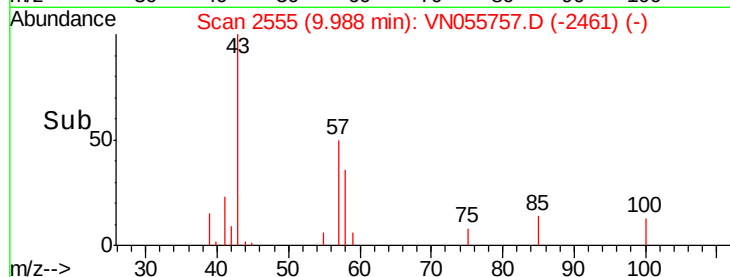
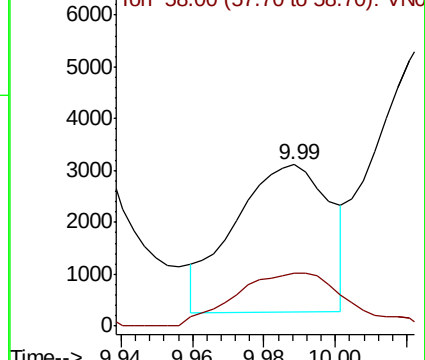
43 100

58 41.2 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 8.750 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

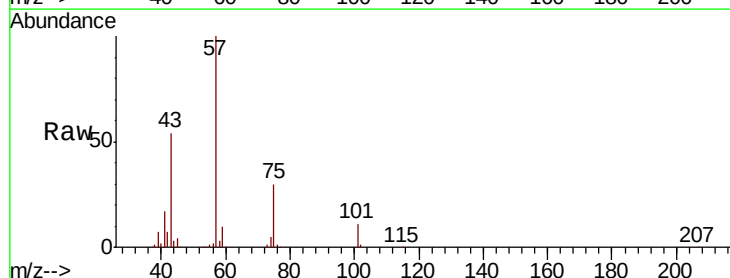
Tgt Ion: 75 Resp: 64037

Ion Ratio Lower Upper

75 100

77 0.7 25.4 38.0#

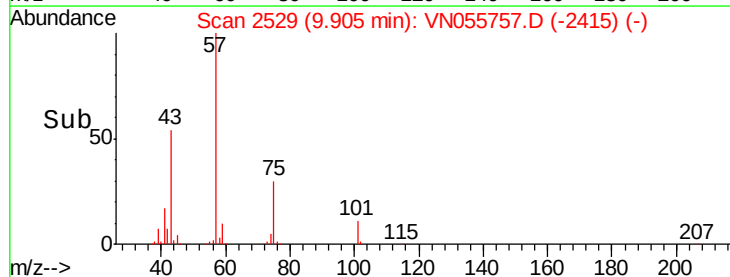
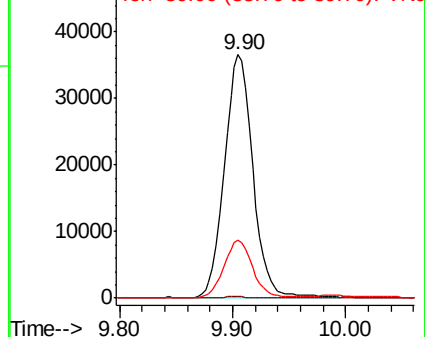
39 23.7 36.3 54.5#

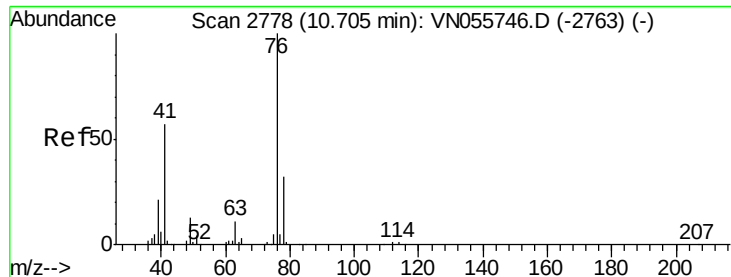


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

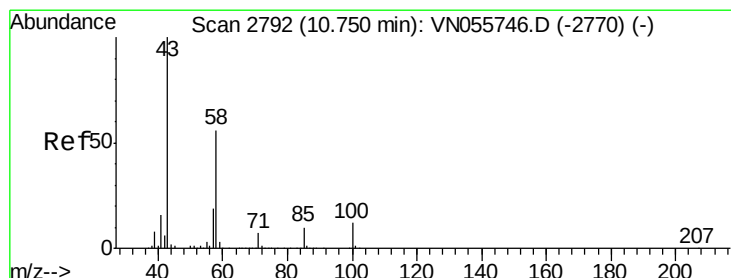
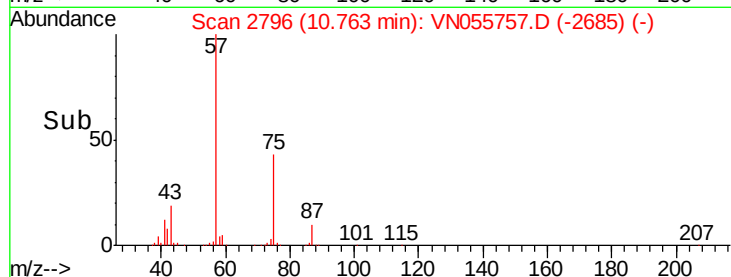
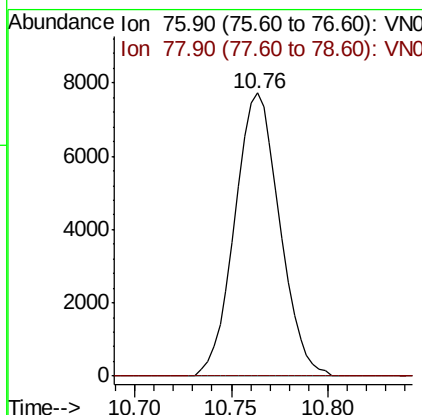
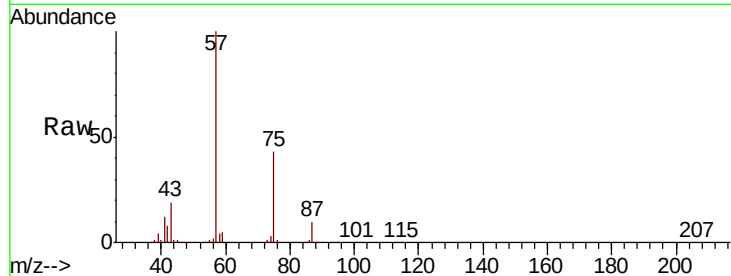




#57
 1,3-Dichloropropane
 Concen: 1.724 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN055757.D
 Acq: 23 May 2019 16:46

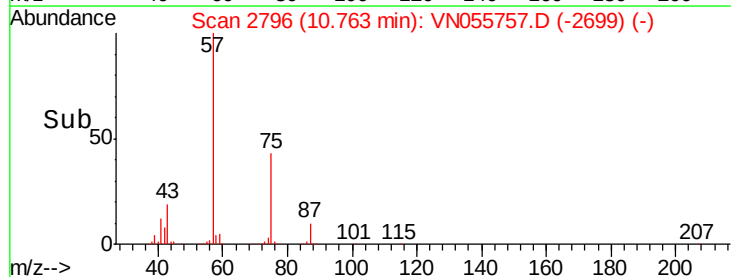
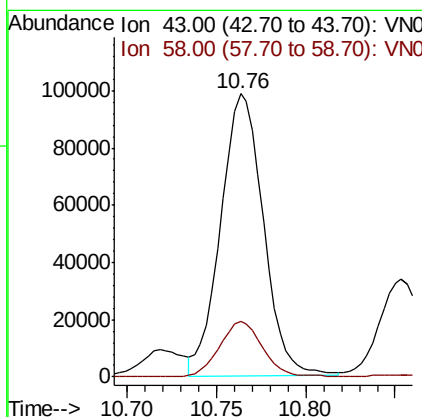
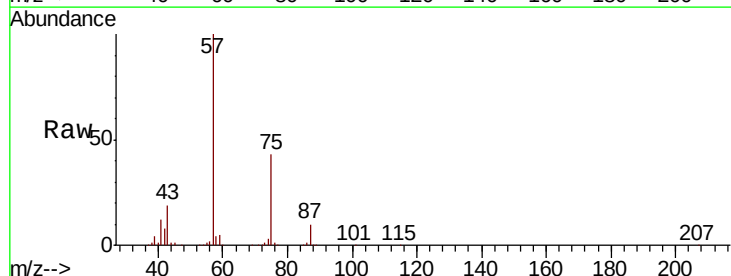
Instrument :
 MSVOA_N
 ClientSampleId :
 PB119982TB

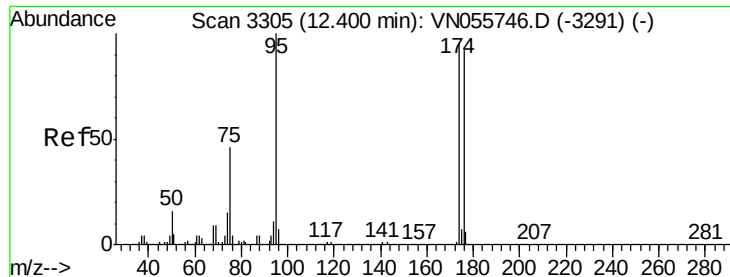
Tot Ion: 76 Resp: 12472
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 41.176 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN055757.D
 Acq: 23 May 2019 16:46

Tgt Ion: 43 Resp: 164208
 Ion Ratio Lower Upper
 43 100
 58 20.0 28.2 84.7#





#62

4-Bromofluorobenzene

Concen: 46.069 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

PB119982TB

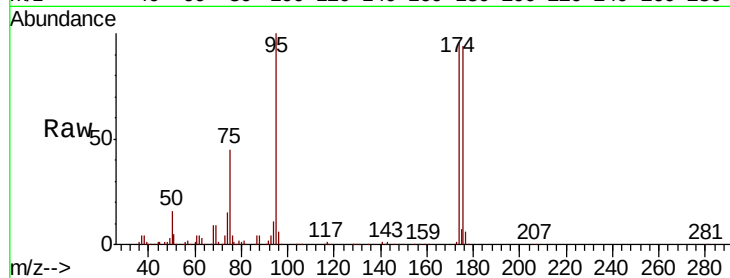
Tot Ion: 95 Resp: 257672

Ion Ratio Lower Upper

95 100

174 98.2 0.0 191.0

176 96.2 0.0 185.2

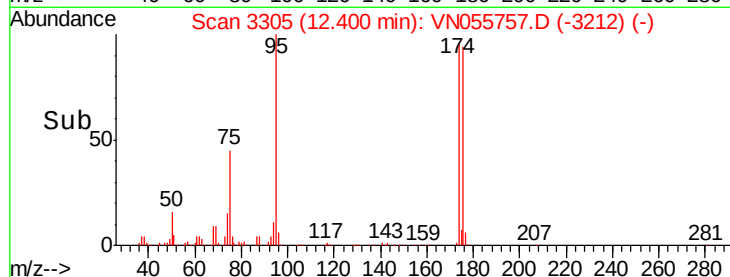


Abundance Ion 94.90 (94.60 to 95.60): VN055757.D (-2903) (-)

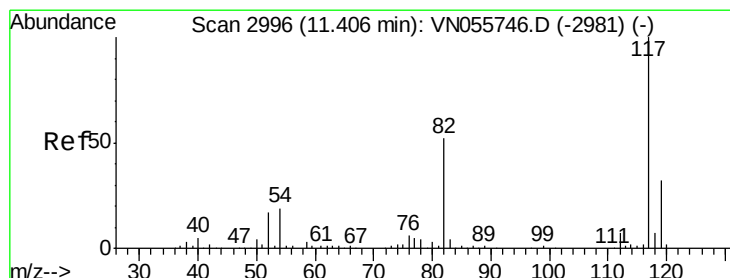
Ion 173.80 (173.50 to 174.50): VN055757.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055757.D (-2903) (-)

12.40



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

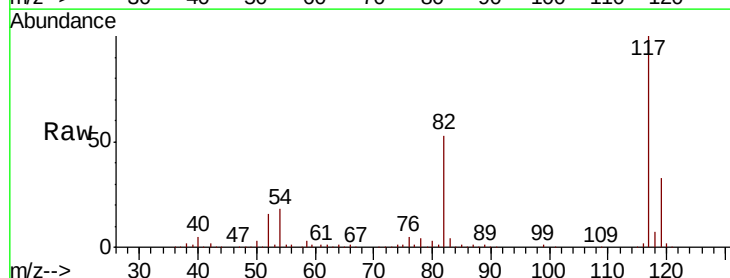
Tgt Ion: 117 Resp: 603956

Ion Ratio Lower Upper

117 100

82 52.8 41.8 62.8

119 32.8 25.4 38.0

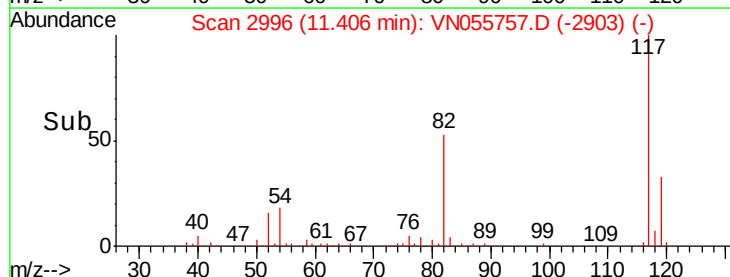


Abundance Ion 116.90 (116.60 to 117.60): VN055757.D (-2903) (-)

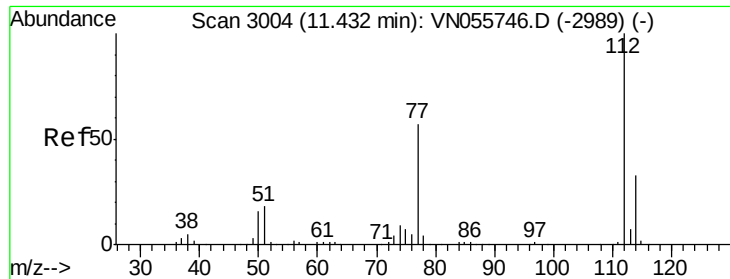
Ion 82.00 (81.70 to 82.70): VN055757.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055757.D (-2903) (-)

11.41



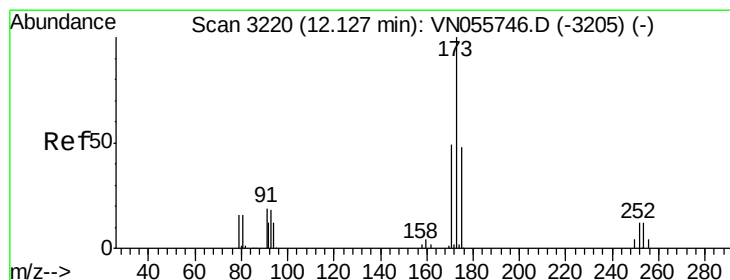
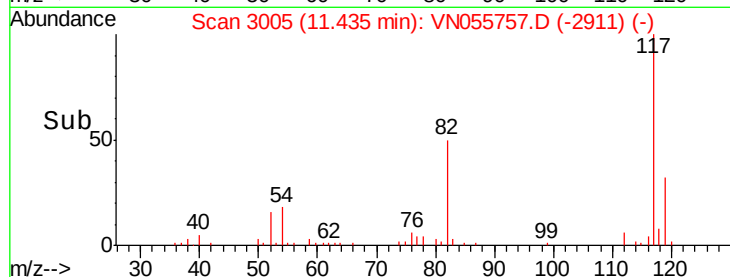
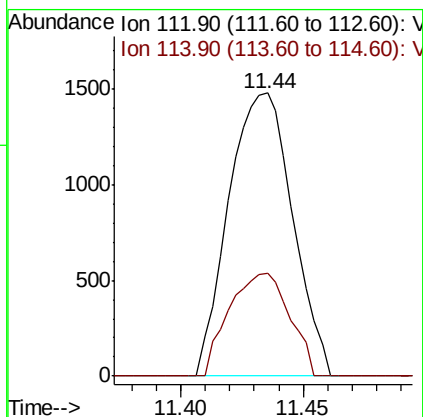
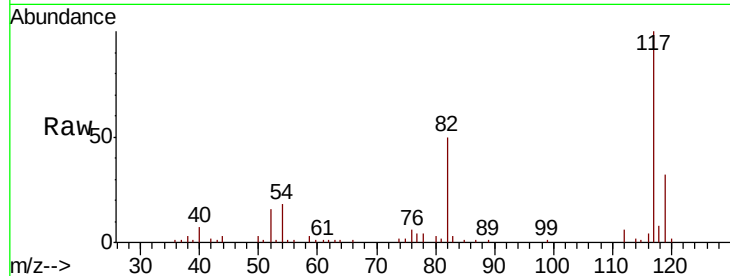
Time--> 11.30 11.40 11.50



#65
Chlorobenzene
Concen: 0.222 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055757.D
Acq: 23 May 2019 16:46

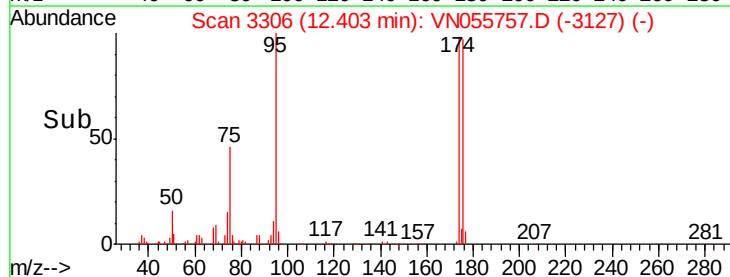
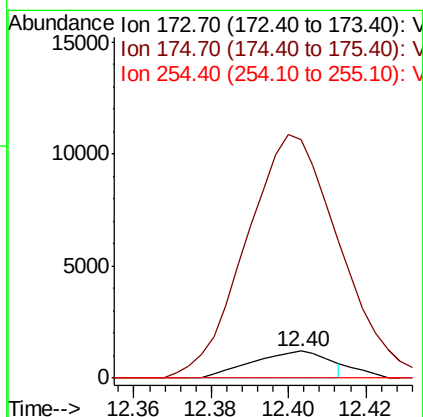
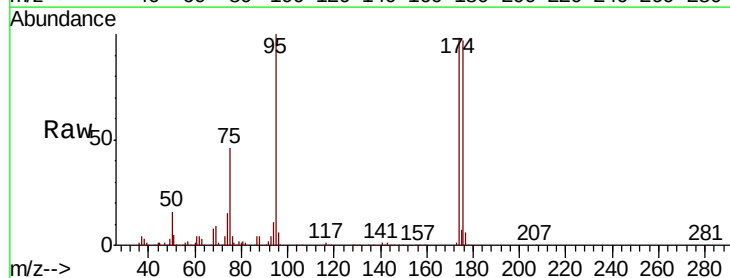
Instrument :
MSVOA_N
ClientSampled :
PB119982TB

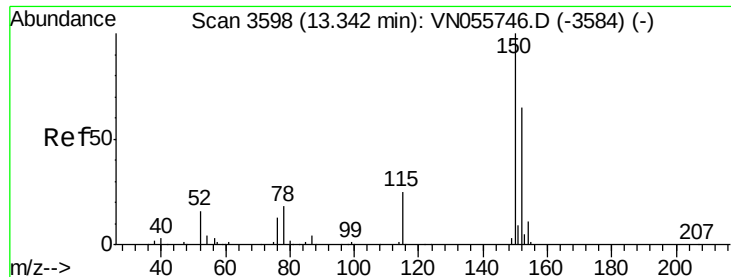
Tot Ion:112 Resp: 2682
Ion Ratio Lower Upper
112 100
114 36.2 26.2 39.4



#71
Bromoform
Concen: 0.398 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055757.D
Acq: 23 May 2019 16:46

Tgt Ion:173 Resp: 1638
Ion Ratio Lower Upper
173 100
175 970.3 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

Instrument :

MSVOA_N

ClientSampled :

PB119982TB

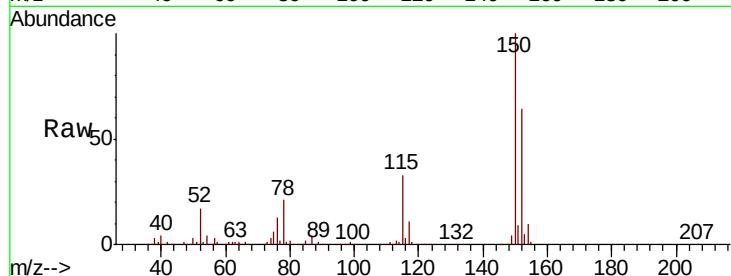
Tot Ion:152 Resp: 227115

Ion Ratio Lower Upper

152 100

115 52.3 27.0 81.0

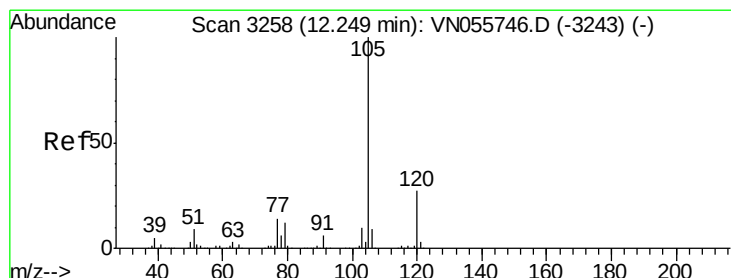
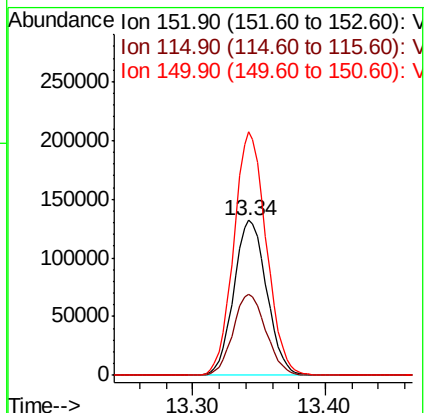
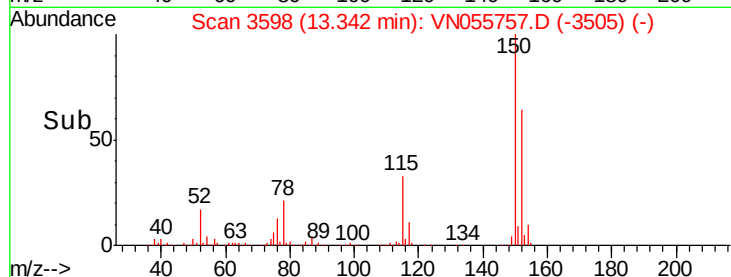
150 155.2 0.0 343.2



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: VN055757.D

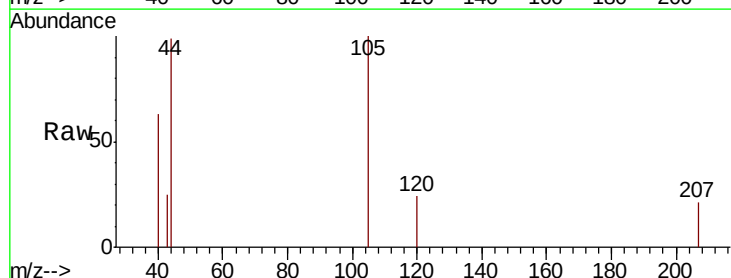
Acq: 23 May 2019 16:46

Tgt Ion:105 Resp: 1264

Ion Ratio Lower Upper

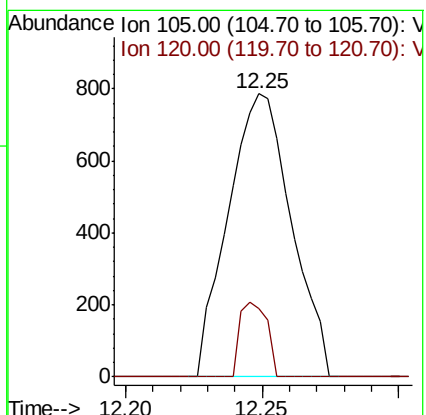
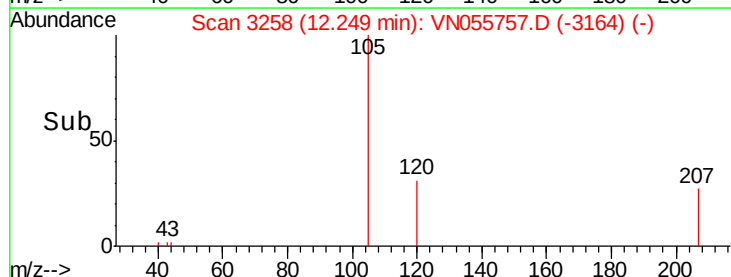
105 100

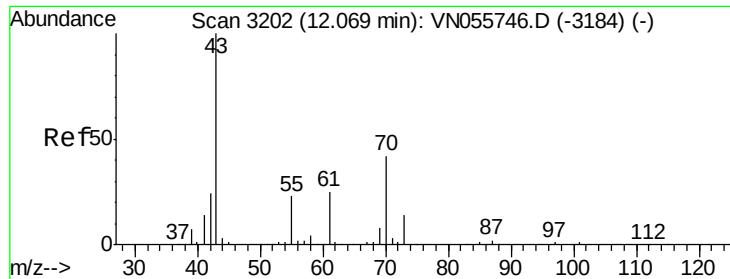
120 11.2 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

Instrument :

MSVOA_N

ClientSampled :

PB119982TB

Tot Ion: 43 Resp: 913

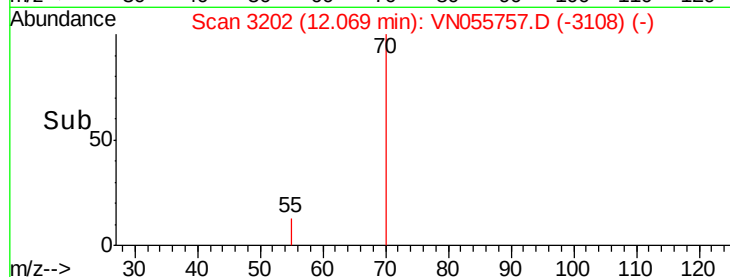
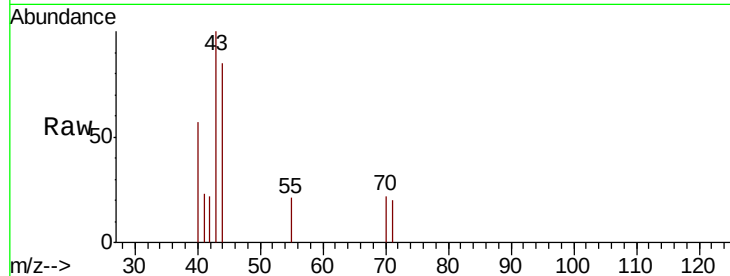
Ion Ratio Lower Upper

43 100

70 32.6 34.0 51.0#

55 24.8 18.6 28.0

61 0.0 20.0 30.0#

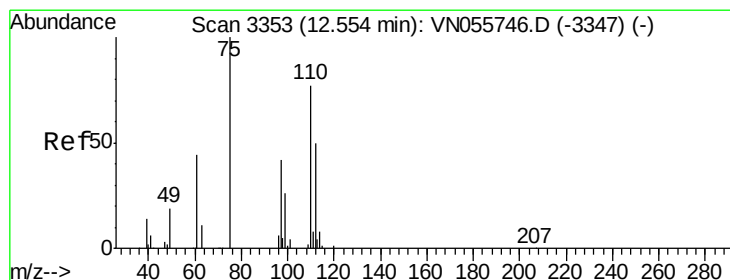
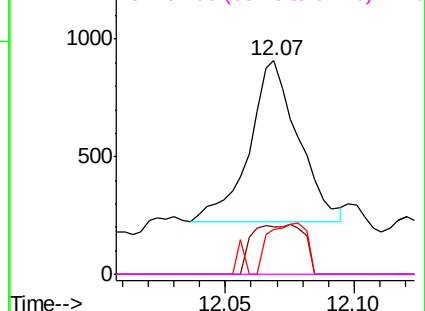


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 29.175 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055757.D

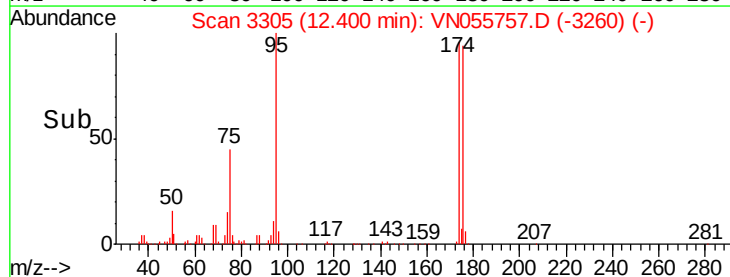
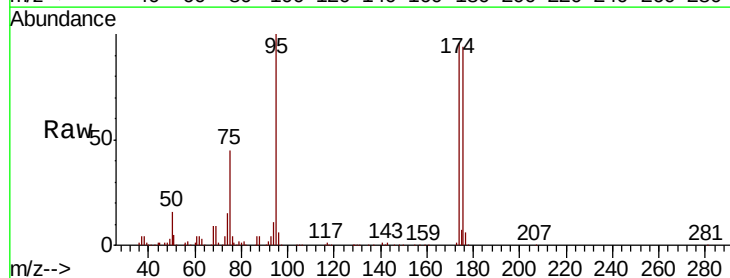
Acq: 23 May 2019 16:46

Tgt Ion: 75 Resp: 119222

Ion Ratio Lower Upper

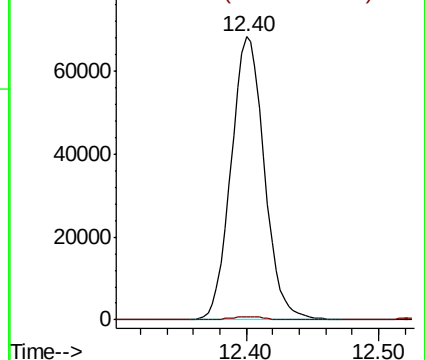
75 100

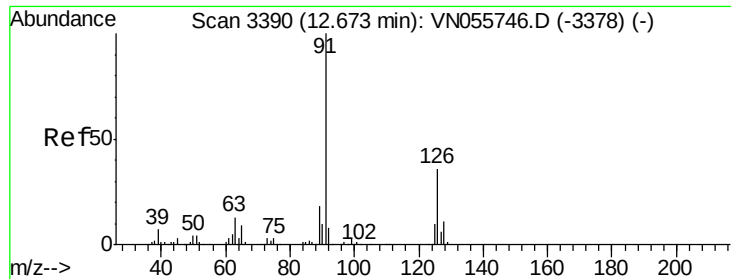
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

Instrument :

MSVOA_N

ClientSampled :

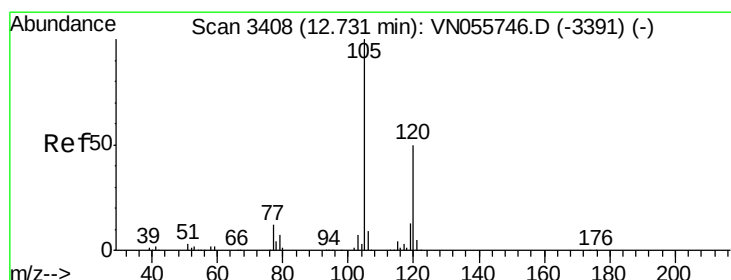
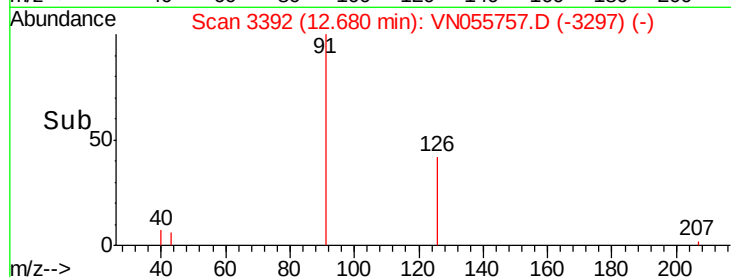
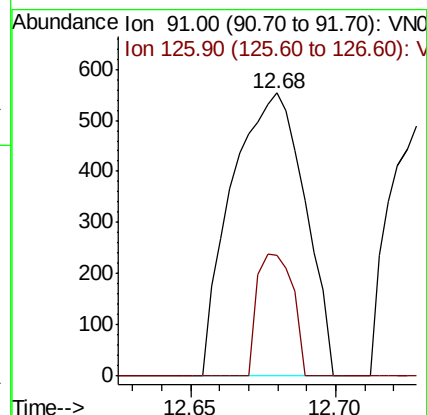
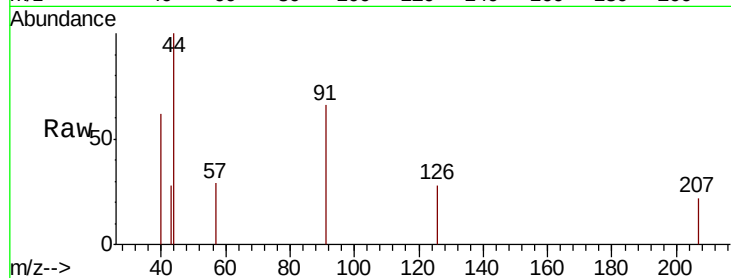
PB119982TB

Tot Ion: 91 Resp: 967

Ion Ratio Lower Upper

91 100

126 20.9 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055757.D

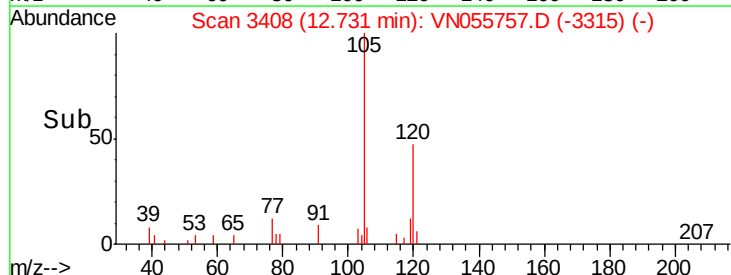
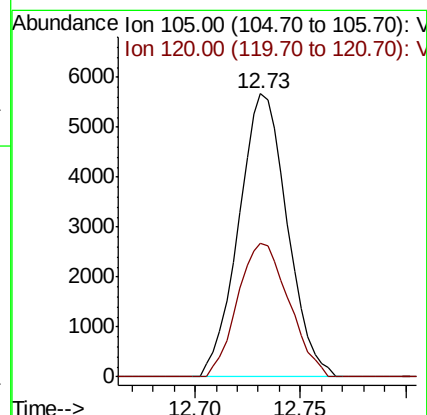
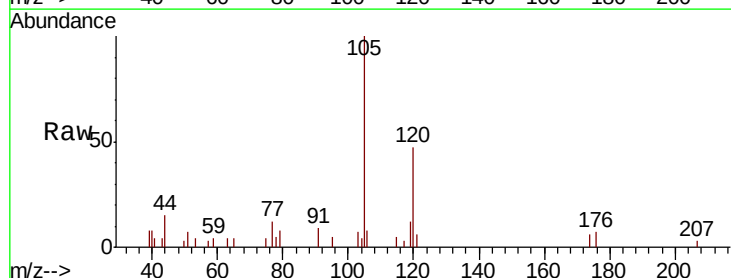
Acq: 23 May 2019 16:46

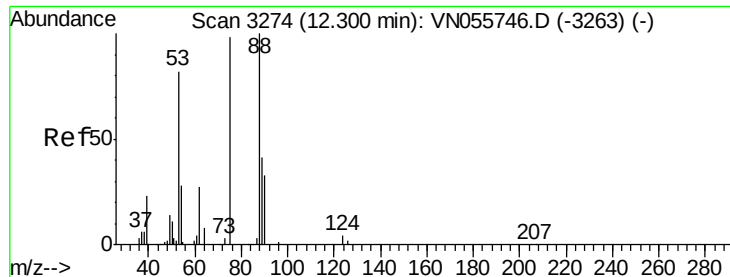
Tgt Ion: 105 Resp: 9092

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 70.630 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

Instrument :

MSVOA_N

ClientSampled :

PB119982TB

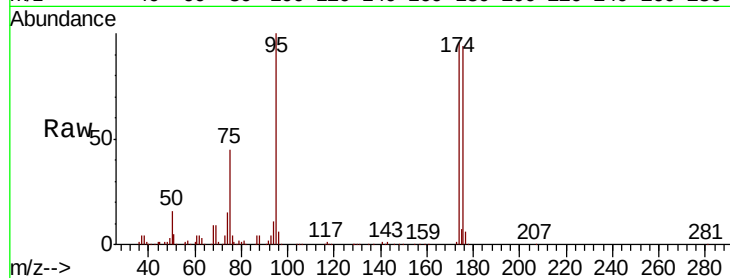
Tot Ion: 75 Resp: 119222

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

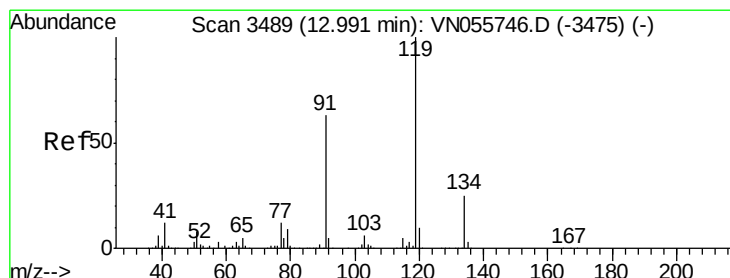
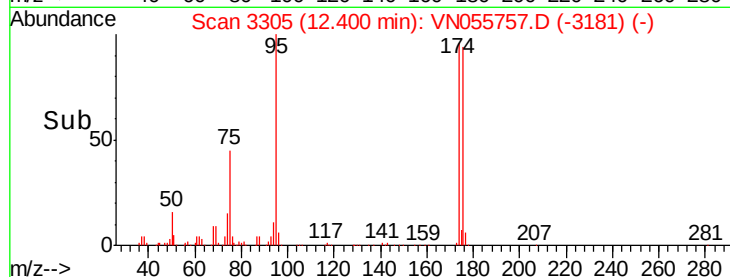
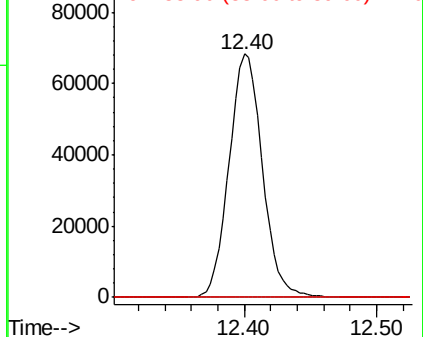
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

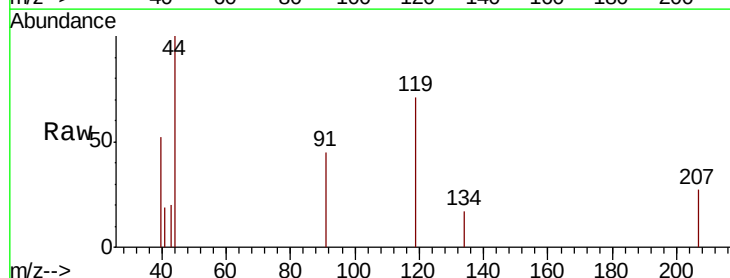
Tgt Ion: 119 Resp: 953

Ion Ratio Lower Upper

119 100

91 56.2 30.9 92.8

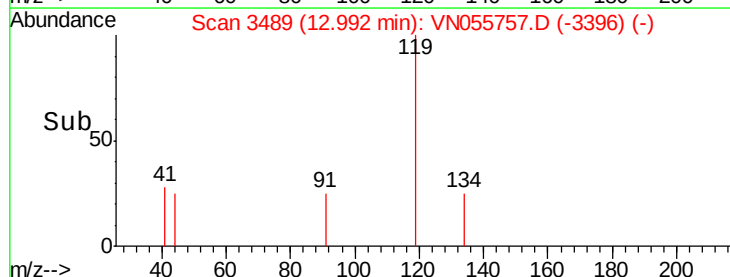
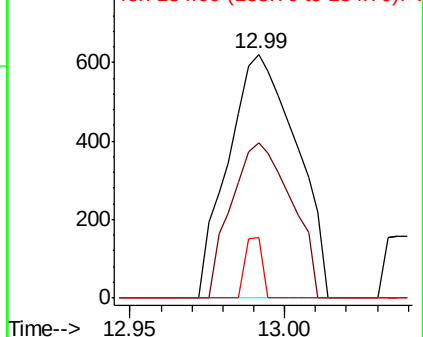
134 6.2 13.3 39.8#

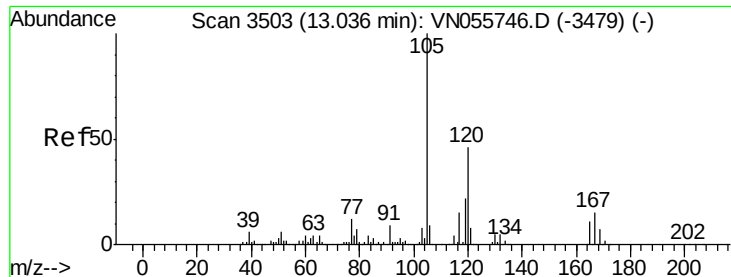


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V

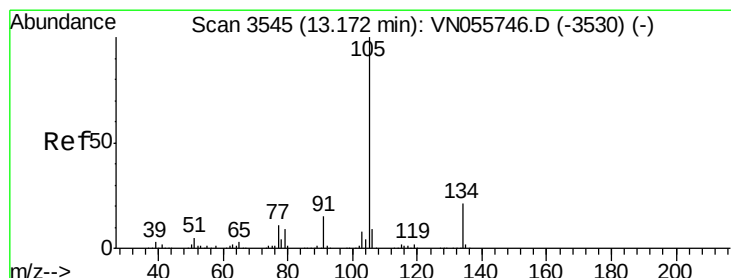
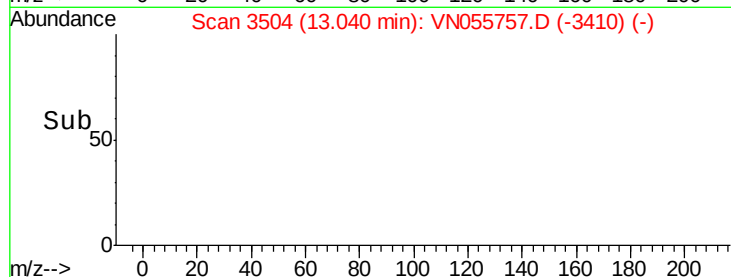
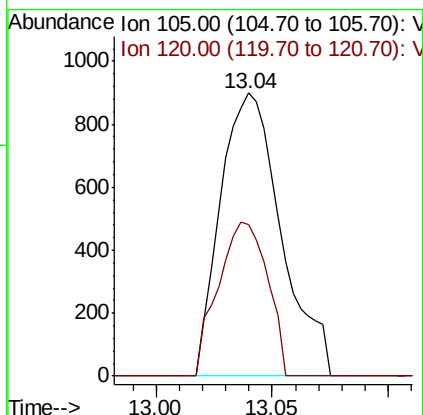
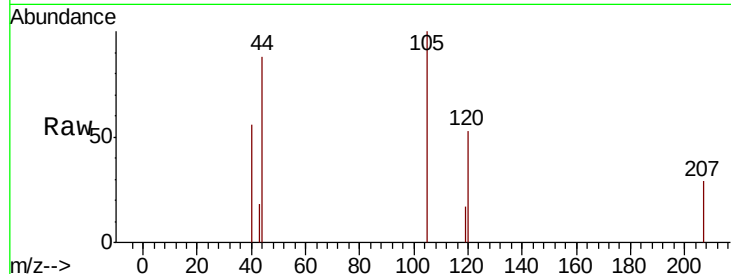




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055757.D
 Acq: 23 May 2019 16:46

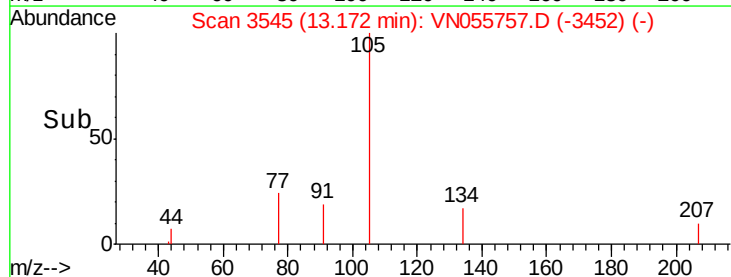
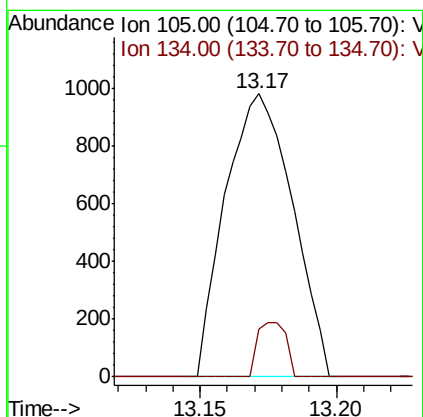
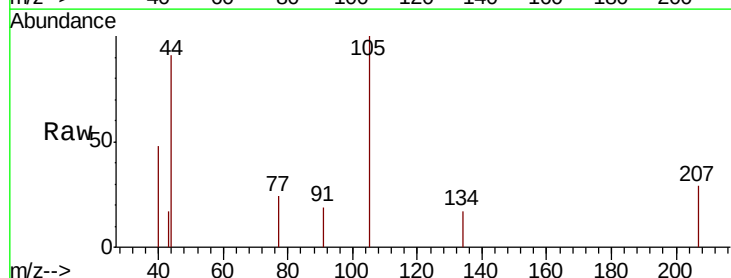
Instrument :
 MSVOA_N
 ClientSampleId :
 PB119982TB

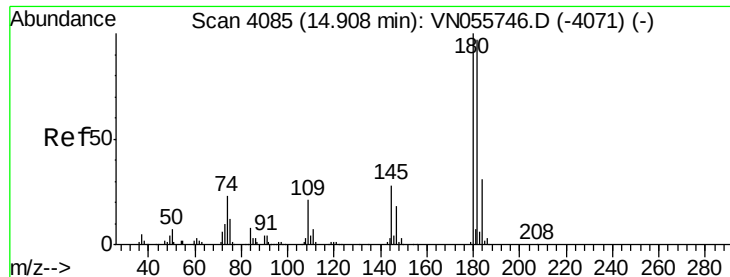
Tot Ion:105 Resp: 1637
 Ion Ratio Lower Upper
 105 100
 120 44.1 23.0 69.0



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055757.D
 Acq: 23 May 2019 16:46

Tgt Ion:105 Resp: 1678
 Ion Ratio Lower Upper
 105 100
 134 8.0 10.4 31.2#

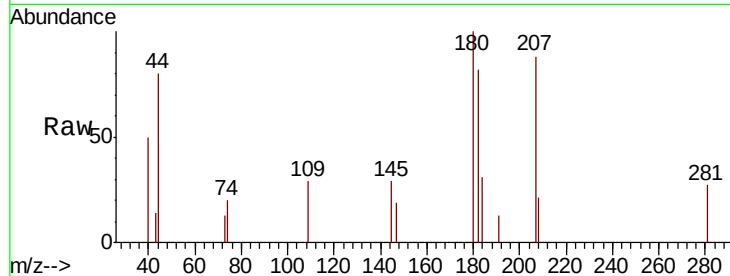




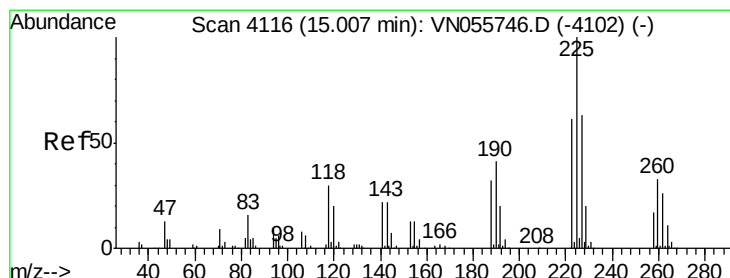
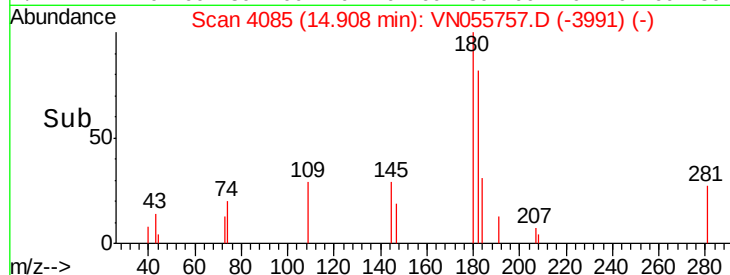
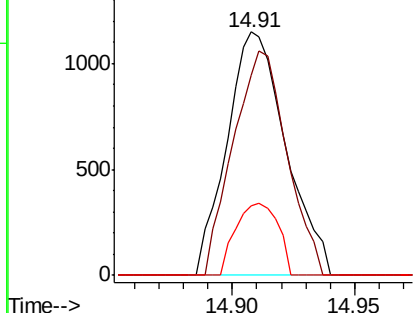
#93
 1,2,4-Trichlorobenzene
 Concen: 4.042 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055757.D
 Acq: 23 May 2019 16:46

Instrument :
 MSVOA_N
 ClientSampled :
 PB119982TB

Tot Ion:180 Resp: 1924
 Ion Ratio Lower Upper
 180 100
 182 84.0 48.3 144.9
 145 21.3 14.0 41.9

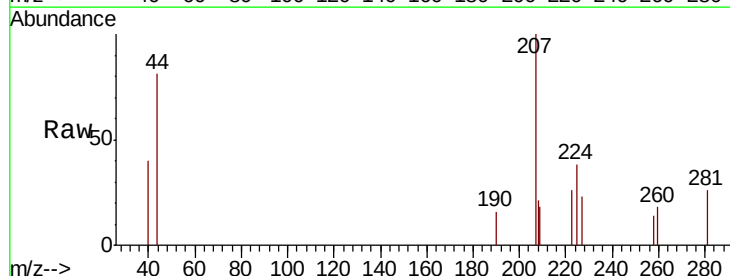


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

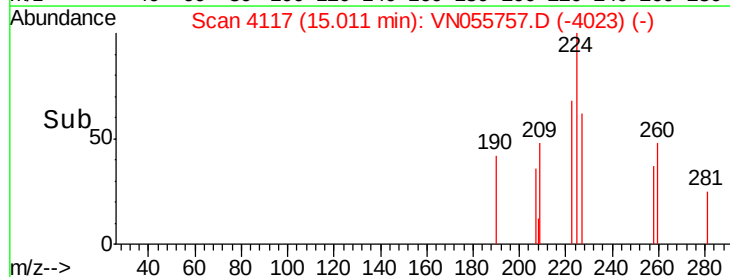
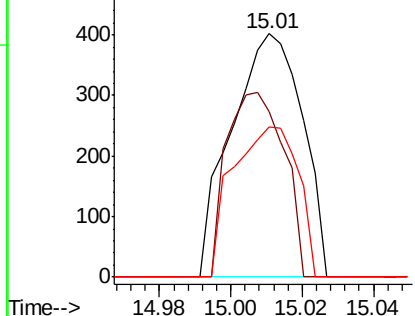


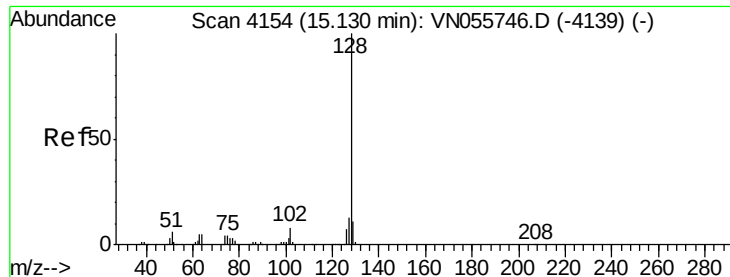
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055757.D
 Acq: 23 May 2019 16:46

Tgt Ion:225 Resp: 552
 Ion Ratio Lower Upper
 225 100
 223 61.4 30.9 92.7
 227 56.9 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: 0.645 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

Instrument :

MSVOA_N

ClientSampleId :

PB119982TB

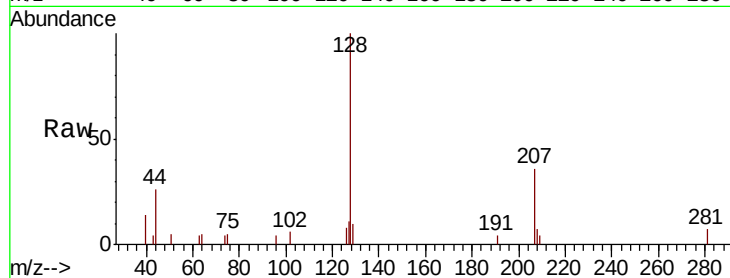
Tot Ion:128 Resp: 6773

Ion Ratio Lower Upper

128 100

127 11.7 10.3 15.5

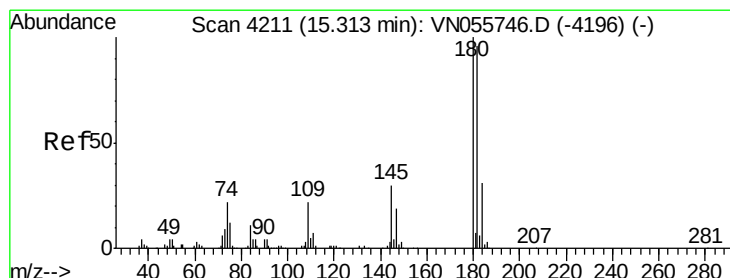
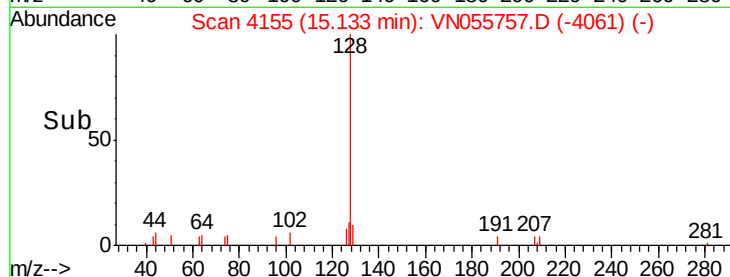
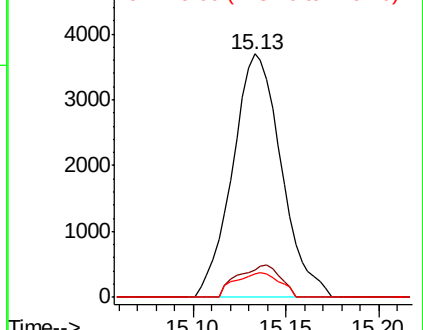
129 9.3 8.7 13.1



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: 0.536 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055757.D

Acq: 23 May 2019 16:46

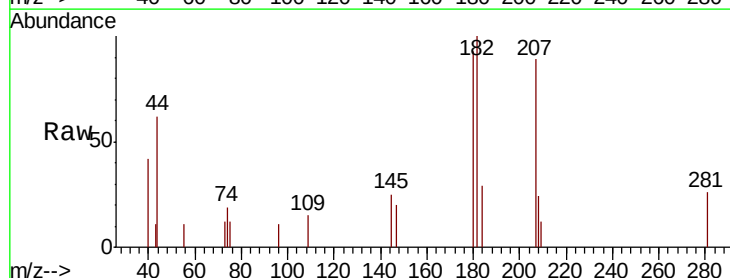
Tgt Ion:180 Resp: 2171

Ion Ratio Lower Upper

180 100

182 107.9 47.9 143.7

145 29.8 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

