

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
 Data File : VN057654.D
 Acq On : 1 Sep 2019 19:25
 Operator : JC/SP
 Sample : K4516-03
 Misc : 6.26g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S-B3-(0)

Quant Time: Sep 02 01:57:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	177333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	299812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	251247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	109084	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	222930	55.65	ug/l	0.00
Spiked Amount			Recovery	=	111.30%	
35) Dibromofluoromethane	7.57	113	131122	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	10.08	98	525465	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.40	95	165205	43.22	ug/l	0.00
Spiked Amount			Recovery	=	86.44%	

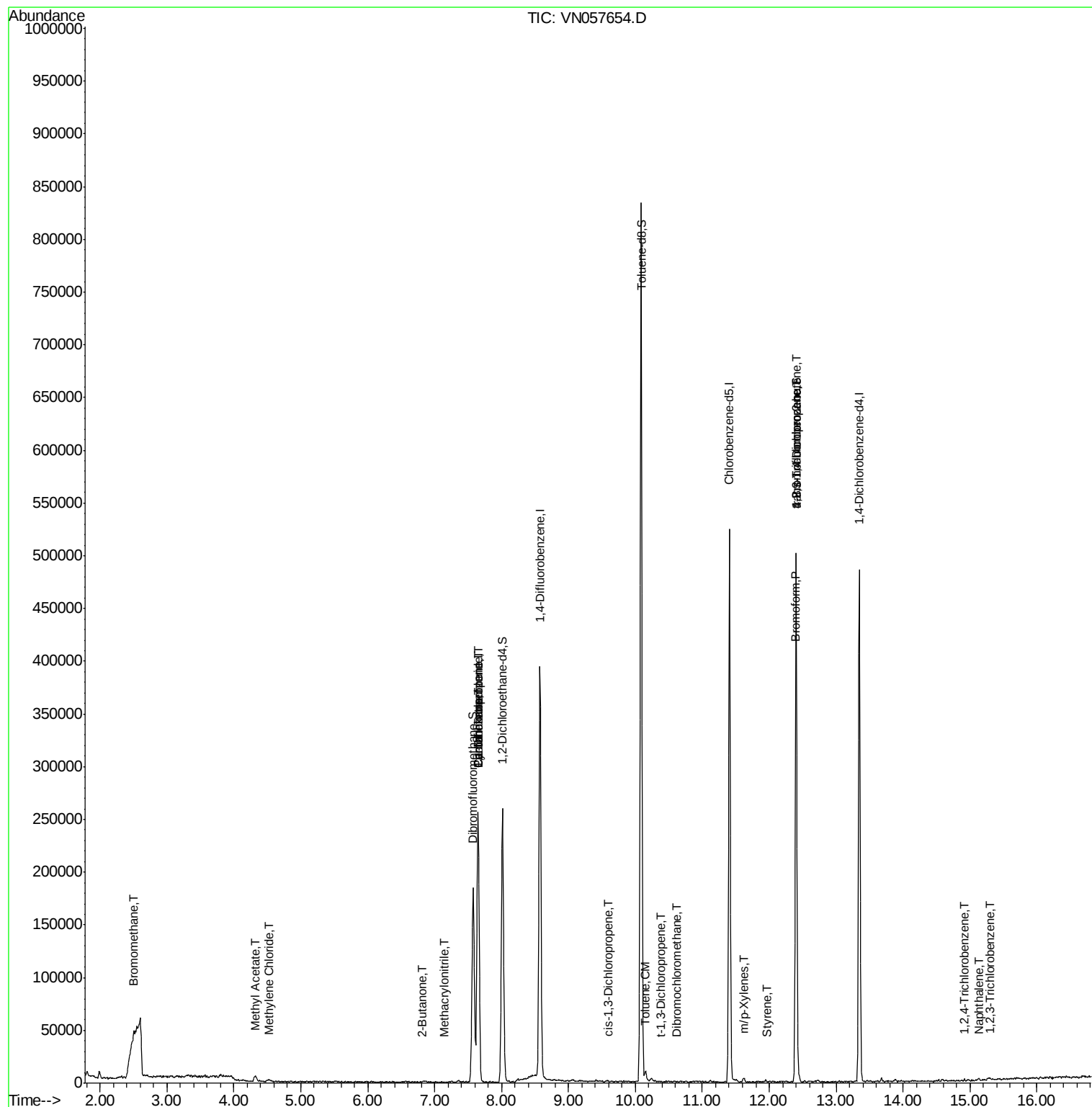
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.50	94	1307	0.807	ug/l #	36
18) Methyl Acetate	4.32	43	10282	2.667	ug/l	98
20) Methylene Chloride	4.53	84	687	0.247	ug/l #	52
25) 2-Butanone	6.82	43	795	0.425	ug/l #	53
31) Cyclohexane	7.65	56	6673	1.257	ug/l #	11
36) 1,1-Dichloropropene	7.65	75	19410	4.883	ug/l #	51
38) Carbon Tetrachloride	7.65	117	21795	6.126	ug/l #	14
41) Methacrylonitrile	7.16	41	73	2.316	ug/l #	1
52) Toluene	10.15	92	2309	0.338	ug/l	98
53) t-1,3-Dichloropropene	10.40	75	32	3.227	ug/l #	45
54) cis-1,3-Dichloropropene	9.59	75	735	1.955	ug/l #	57
60) Dibromochloromethane	10.61	129	66	3.567	ug/l #	11
68) m/p-Xylenes	11.62	106	1135	0.263	ug/l	99
70) Styrene	11.97	104	33	2.587	ug/l #	23
71) Bromoform	12.38	173	262	6.360	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	95730	33.362	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	95730	114.360	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.92	180	508	8.564	ug/l #	68
95) Naphthalene	15.13	128	1325	7.145	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.29	180	368	7.961	ug/l #	65

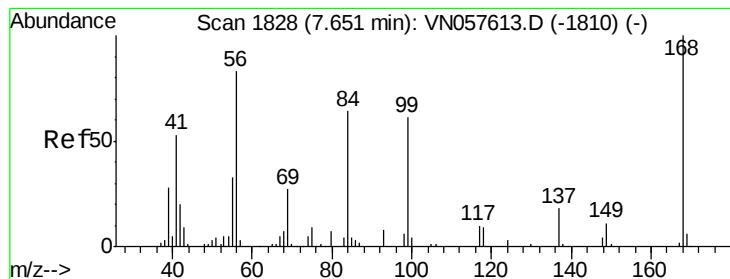
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:54:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057654.D

Acq: 1 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

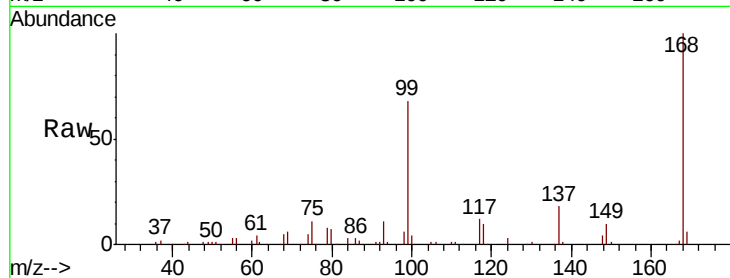
T1-S-B3-(0)

Tgt Ion:168 Resp: 177333

Ion Ratio Lower Upper

168 100

99 68.0 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN057613.D (-1810) (-)

Ion 98.90 (98.60 to 99.60): VN057613.D (-1810) (-)

7.65

80000

60000

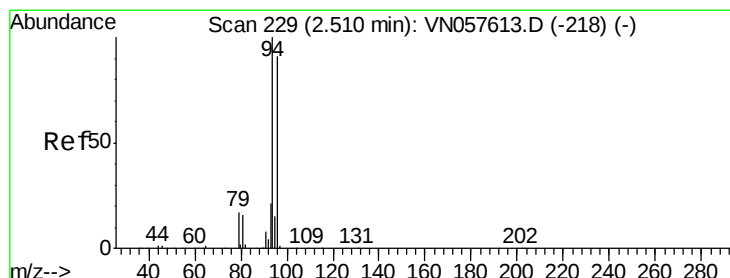
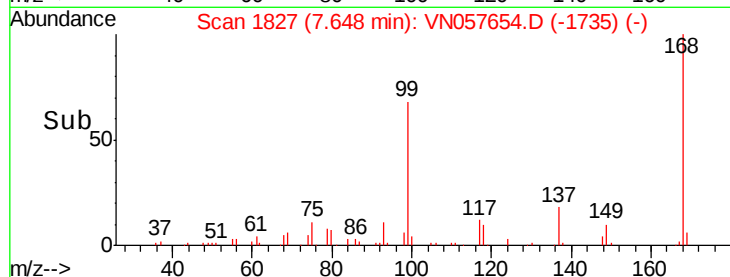
40000

20000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: 0.807 ug/l

RT: 2.50 min Scan# 227

Delta R.T. -0.01 min

Lab File: VN057654.D

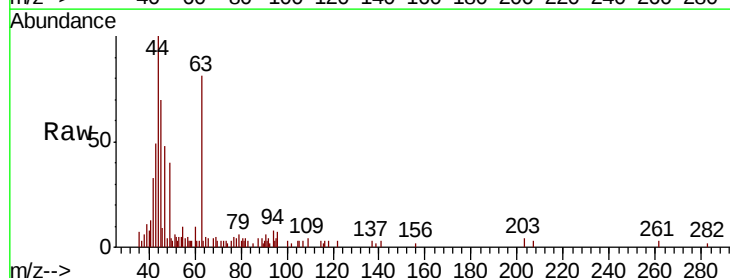
Acq: 1 Sep 2019 19:25

Tgt Ion: 94 Resp: 1307

Ion Ratio Lower Upper

94 100

96 30.0 72.9 109.3#



Abundance Ion 93.90 (93.60 to 94.60): VN057613.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN057613.D (-218) (-)

2.50

800

600

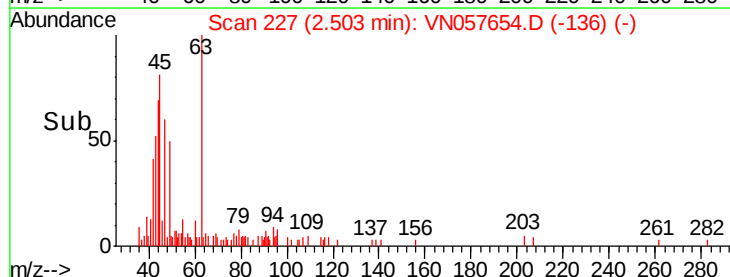
400

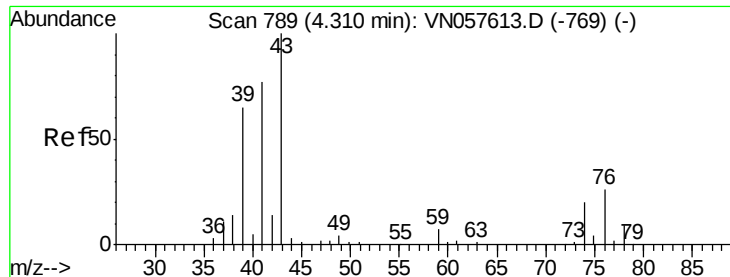
200

0

2.50 2.55

Time-->

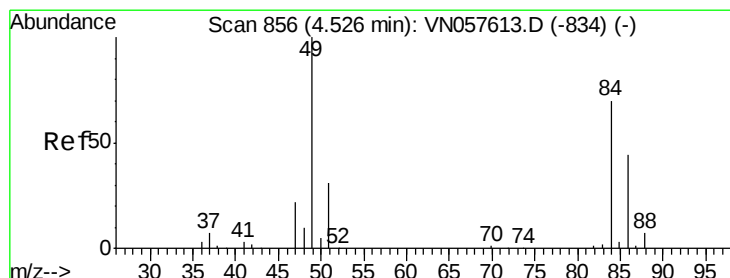
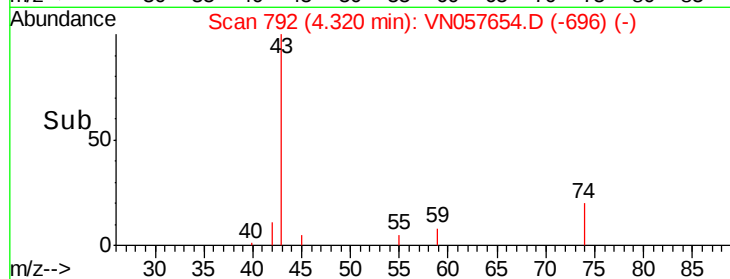
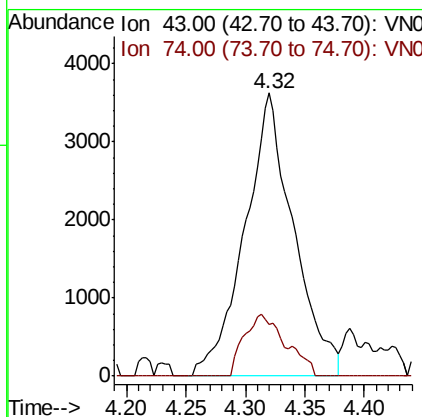
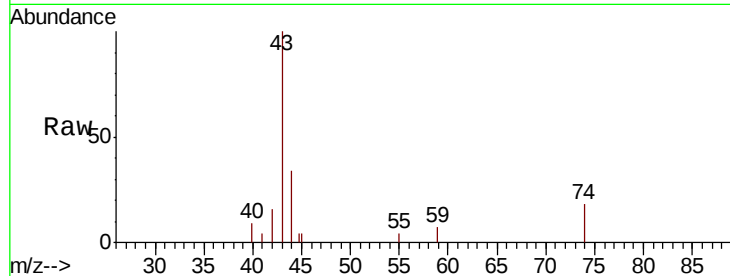




#18
Methyl Acetate
Concen: 2.667 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN057654.D
Acq: 1 Sep 2019 19:25

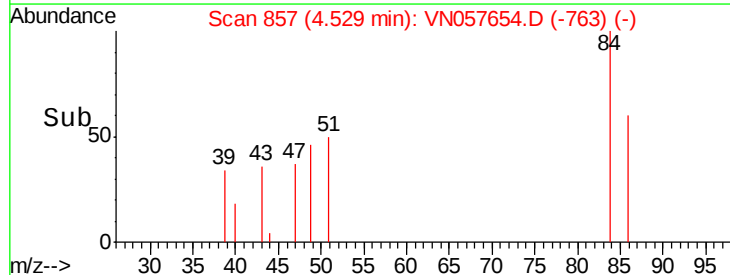
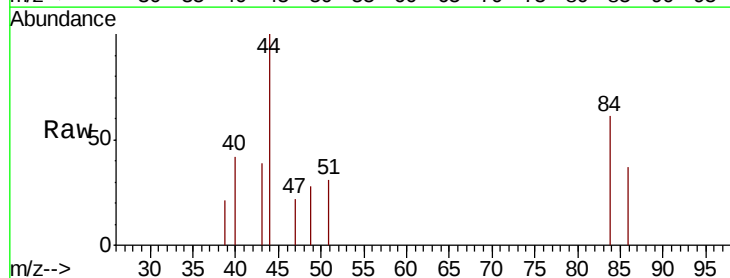
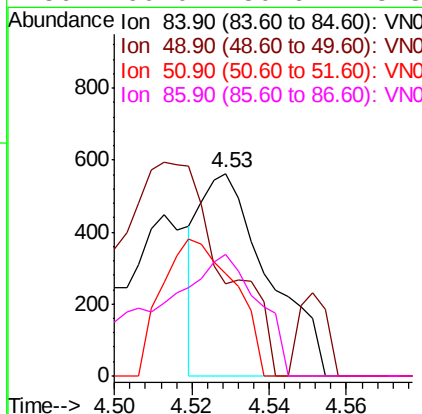
Instrument :
MSVOA_N
ClientSampleId :
T1-S-B3-(0)

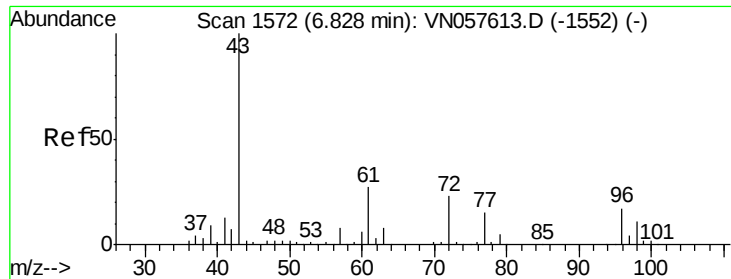
Tgt Ion: 43 Resp: 10282
Ion Ratio Lower Upper
43 100
74 18.7 15.7 23.5



#20
Methylene Chloride
Concen: 0.247 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057654.D
Acq: 1 Sep 2019 19:25

Tgt Ion: 84 Resp: 687
Ion Ratio Lower Upper
84 100
49 45.6 113.8 170.6#
51 50.4 35.0 52.6
86 60.0 50.6 75.8





#25

2-Butanone

Concen: 0.425 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN057654.D

Acq: 1 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

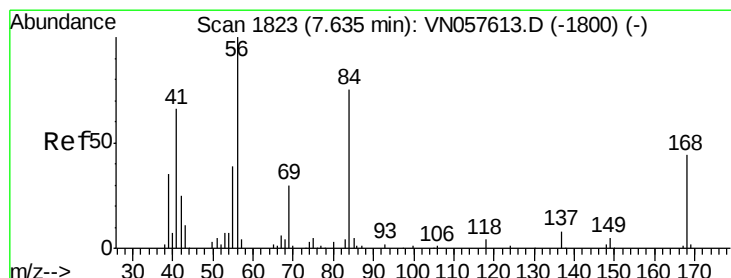
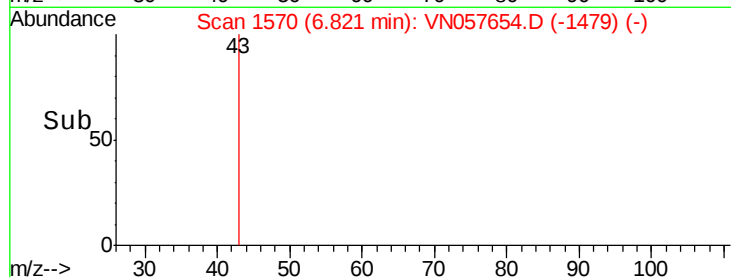
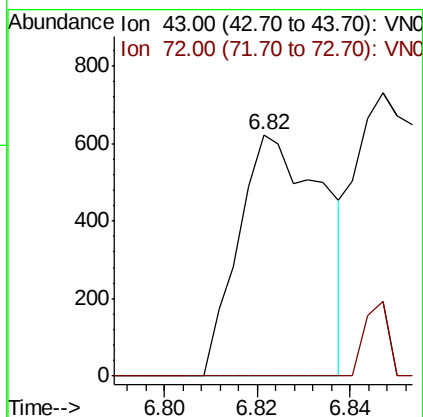
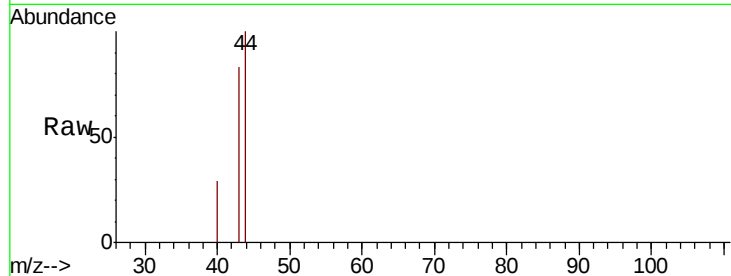
T1-S-B3-(0)

Tgt Ion: 43 Resp: 795

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#



#31

Cyclohexane

Concen: 1.257 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057654.D

Acq: 1 Sep 2019 19:25

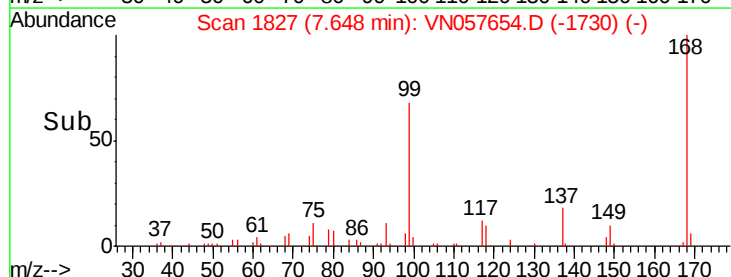
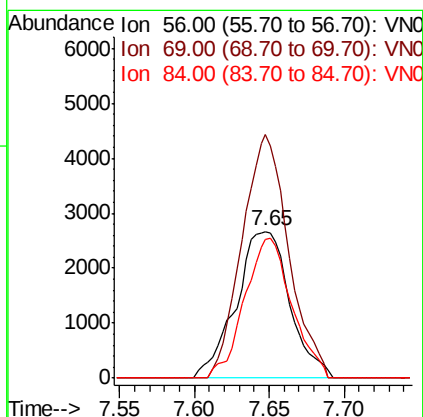
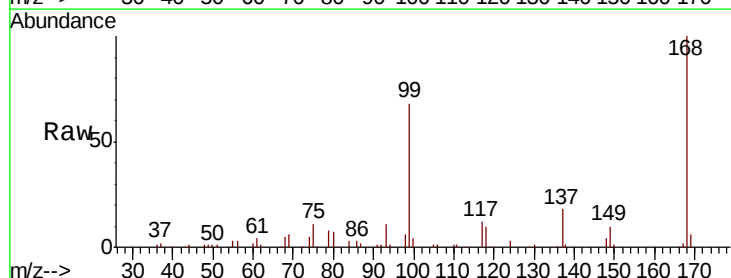
Tgt Ion: 56 Resp: 6673

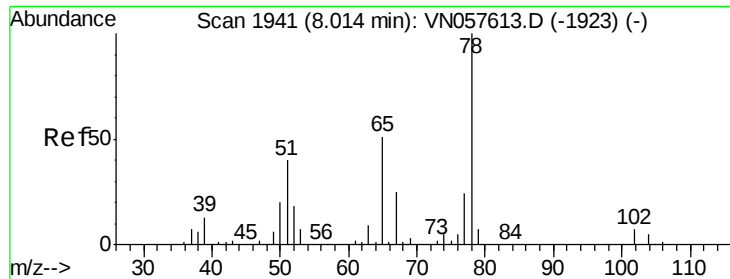
Ion Ratio Lower Upper

56 100

69 166.2 24.4 36.6#

84 94.8 59.9 89.9#

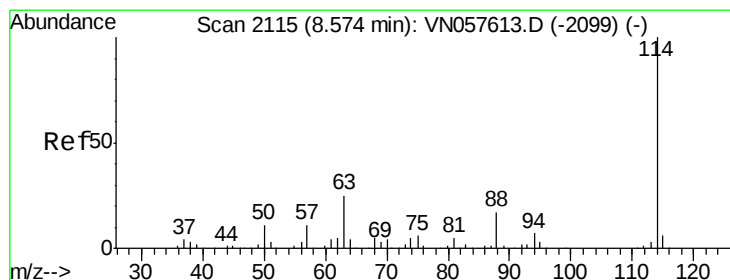
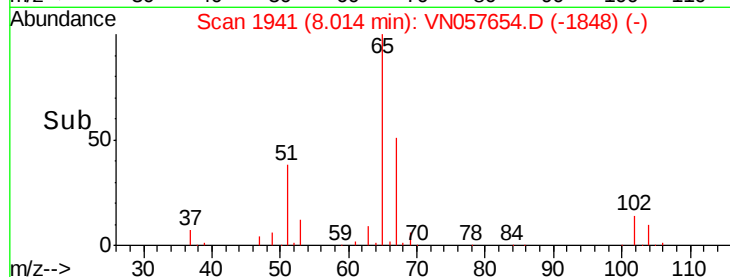
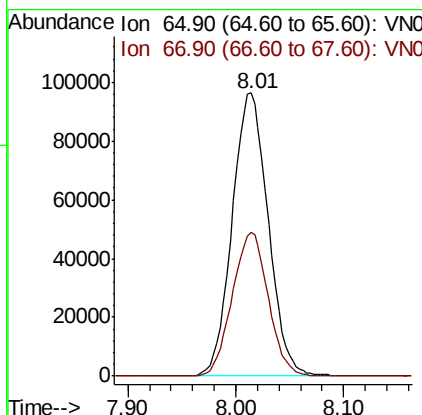
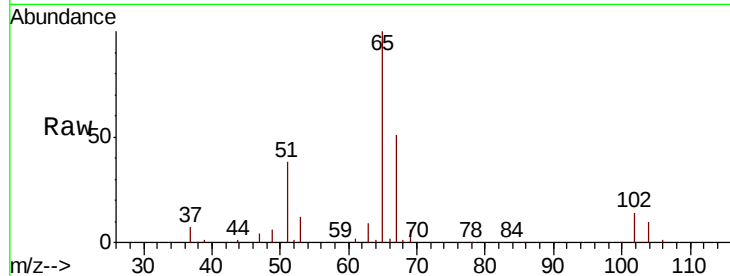




#33
 1,2-Dichloroethane-d4
 Concen: 55.650 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057654.D
 Acq: 1 Sep 2019 19:25

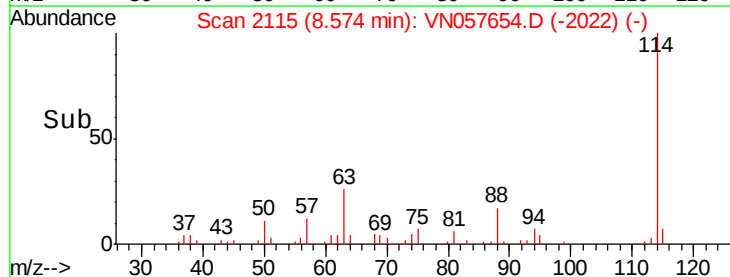
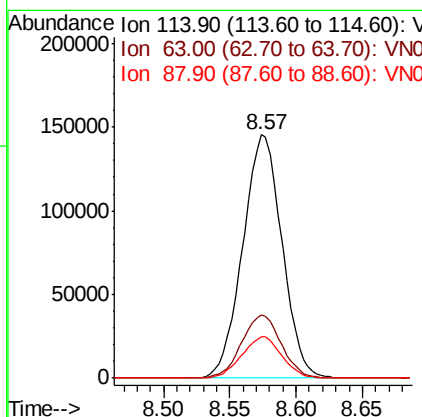
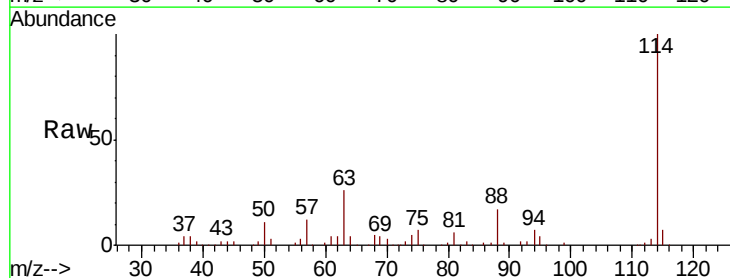
Instrument :
 MSVOA_N
 ClientSampled :
 T1-S-B3-(0)

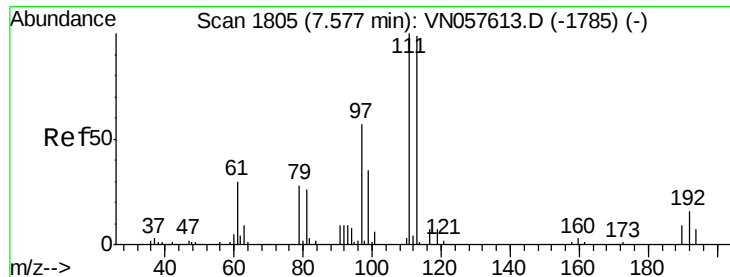
Tgt Ion: 65 Resp: 222930
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057654.D
 Acq: 1 Sep 2019 19:25

Tgt Ion: 114 Resp: 299812
 Ion Ratio Lower Upper
 114 100
 63 26.0 0.0 49.0
 88 16.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.081 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN057654.D

Acq: 1 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

T1-S-B3-(0)

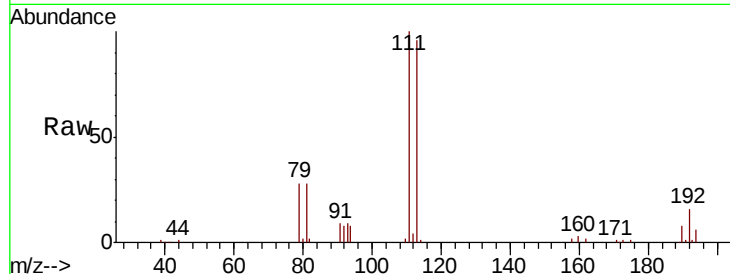
Tgt Ion:113 Resp: 131122

Ion Ratio Lower Upper

113 100

111 104.8 81.3 121.9

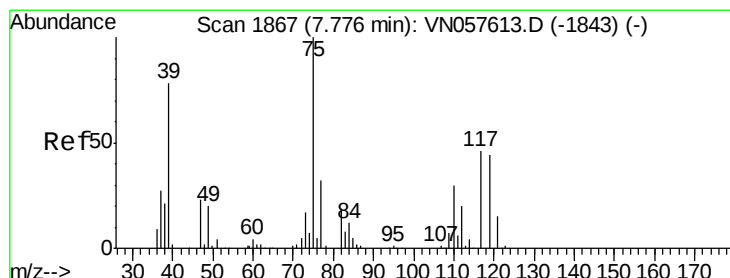
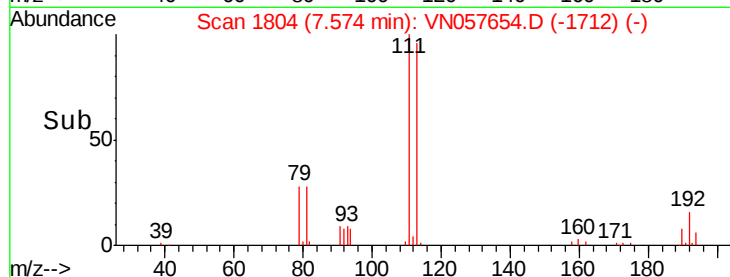
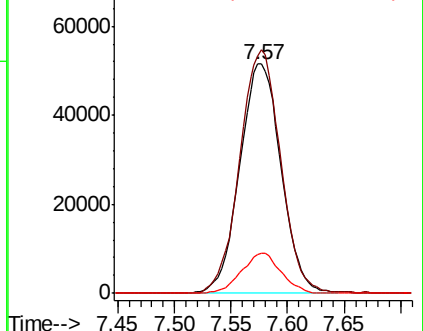
192 16.6 13.5 20.3



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: 4.883 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.13 min

Lab File: VN057654.D

Acq: 1 Sep 2019 19:25

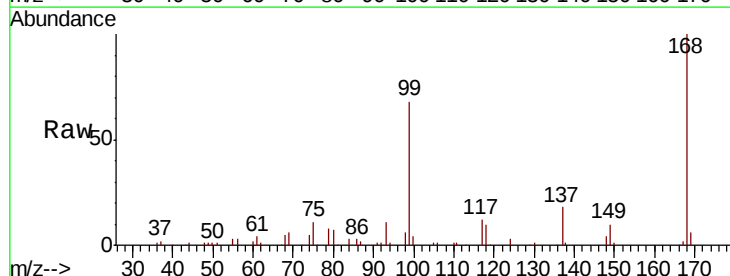
Tgt Ion: 75 Resp: 19410

Ion Ratio Lower Upper

75 100

110 8.7 15.6 46.8#

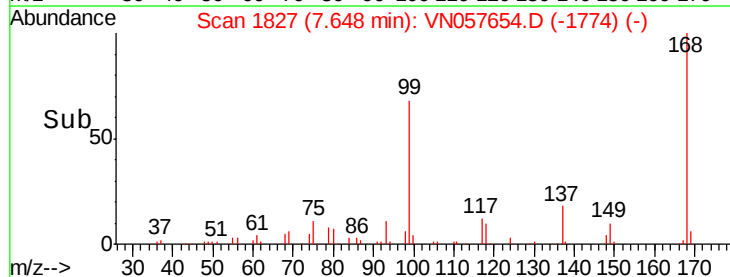
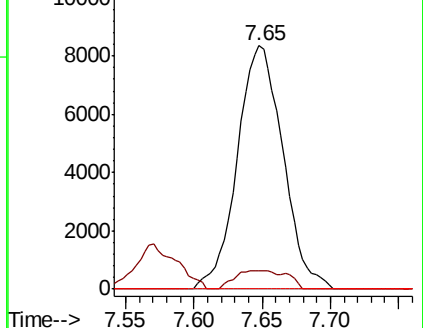
77 0.0 24.9 37.3#

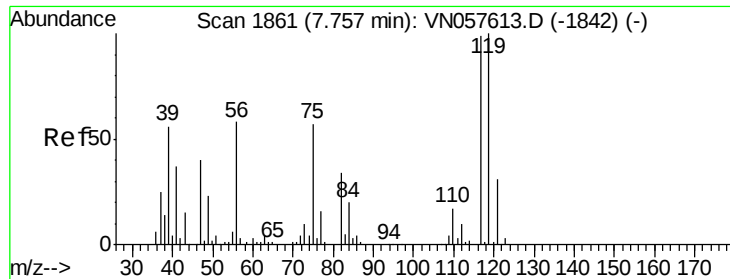


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.126 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057654.D

Acq: 1 Sep 2019 19:25

Instrument :

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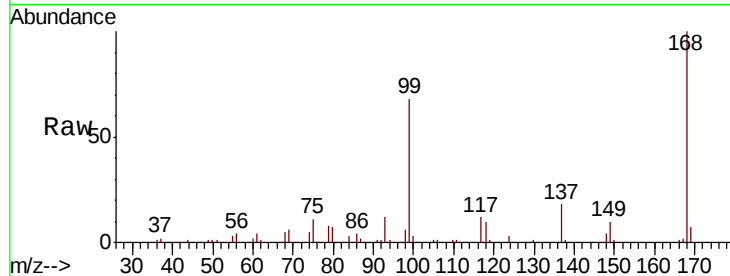
Tgt Ion:117 Resp: 21795

Ion Ratio Lower Upper

117 100

119 5.6 80.6 120.8#

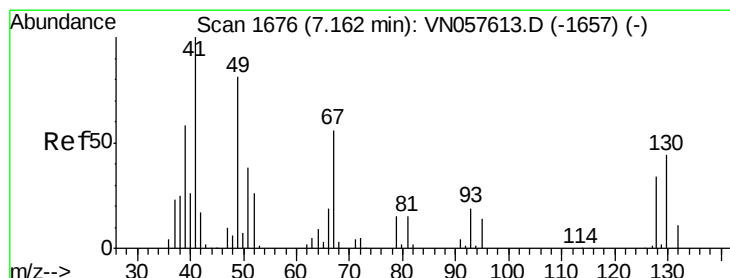
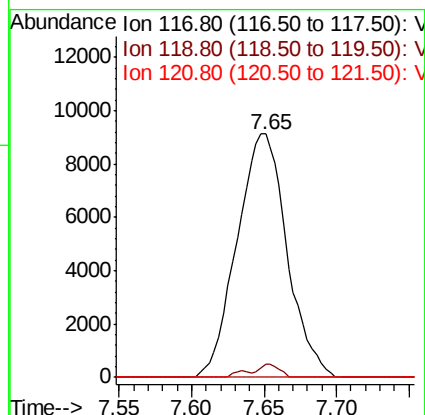
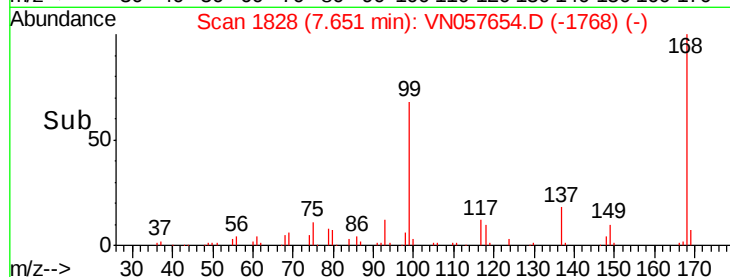
121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 2.316 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VN057654.D

Acq: 1 Sep 2019 19:25

Tgt Ion: 41 Resp: 73

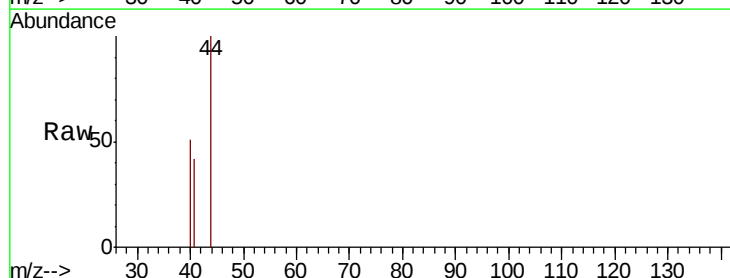
Ion Ratio Lower Upper

41 100

39 246.6 50.6 75.8#

67 0.0 56.9 85.3#

52 0.0 27.4 41.2#

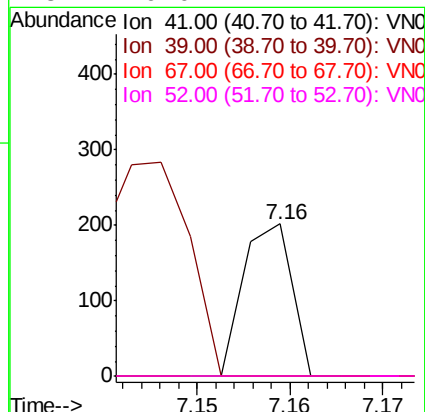
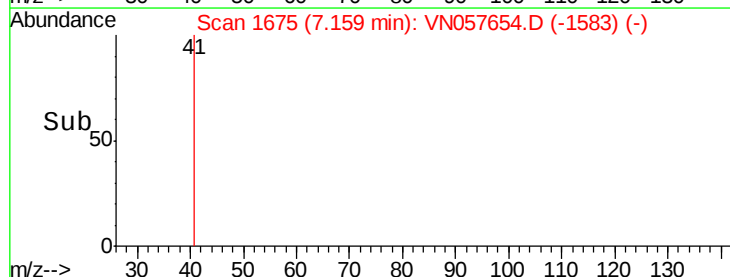


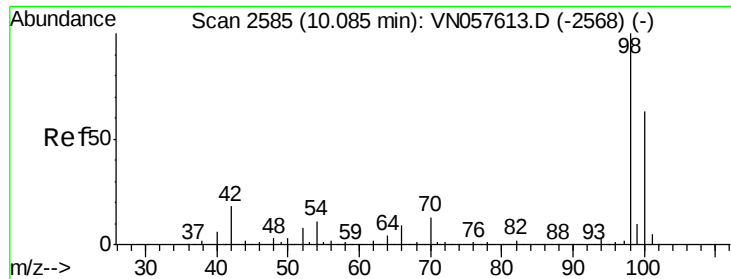
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V

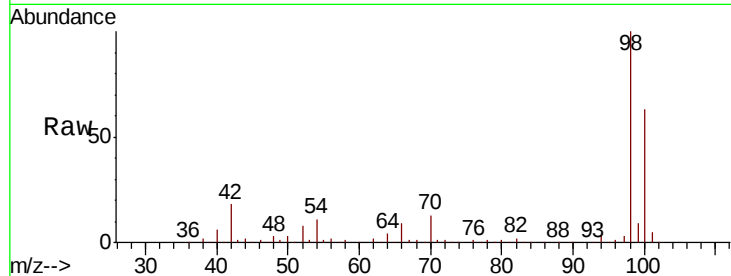




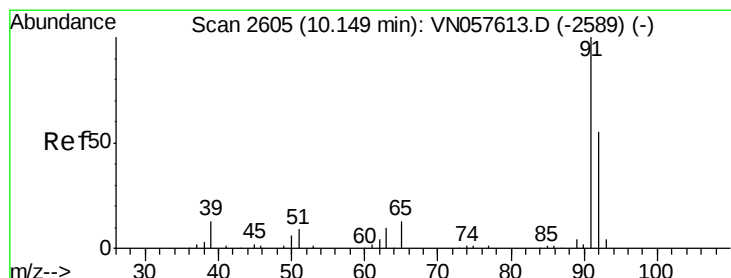
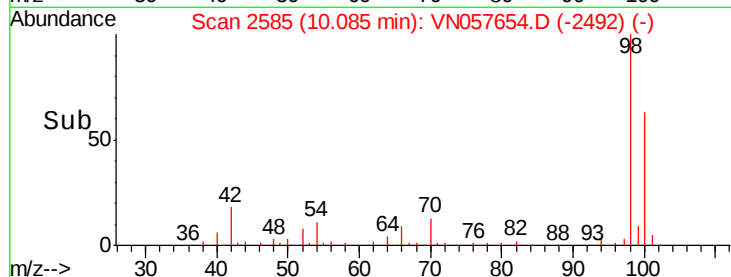
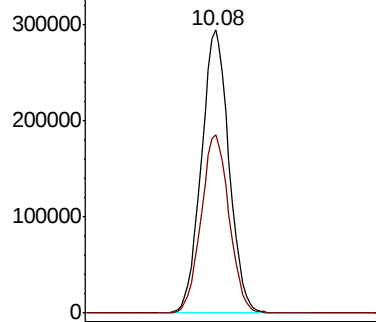
#50
Toluene-d8
Concen: 52.275 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057654.D
Acq: 1 Sep 2019 19:25

Instrument :
MSVOA_N
ClientSampled :
T1-S-B3-(0)

Tgt Ion: 98 Resp: 525465
Ion Ratio Lower Upper
98 100
100 63.8 49.8 74.8

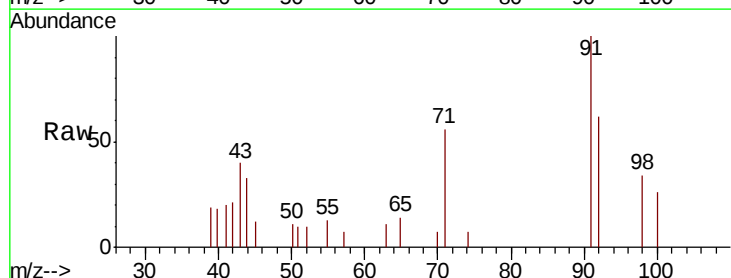


Abundance Ion 98.00 (97.70 to 98.70): VN057613.D (-2568) (-)
Ion 100.00 (99.70 to 100.70): VN057613.D (-2568) (-)

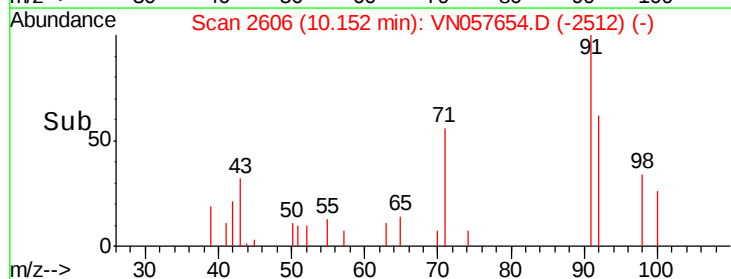
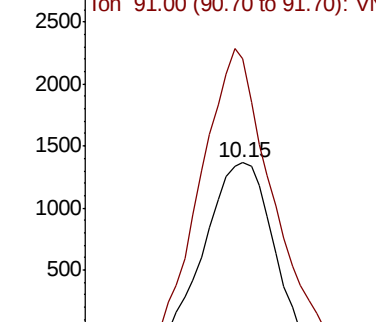


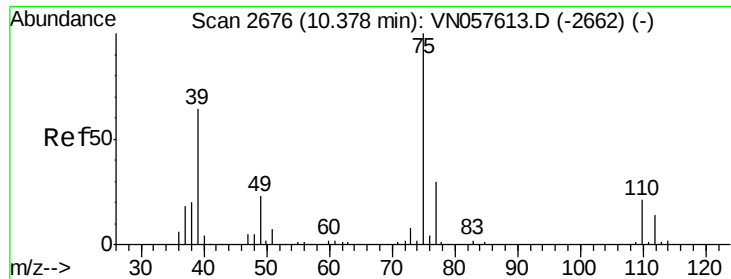
#52
Toluene
Concen: 0.338 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057654.D
Acq: 1 Sep 2019 19:25

Tgt Ion: 92 Resp: 2309
Ion Ratio Lower Upper
92 100
91 176.8 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN057613.D (-2589) (-)
Ion 91.00 (90.70 to 91.70): VN057613.D (-2589) (-)

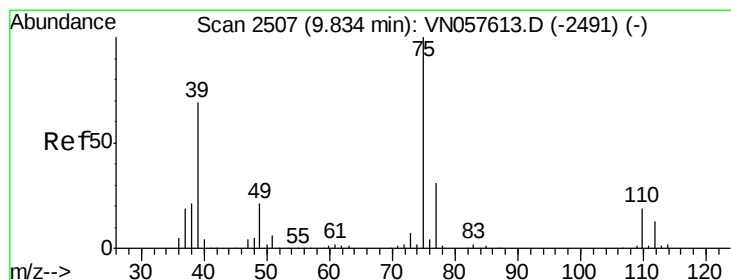
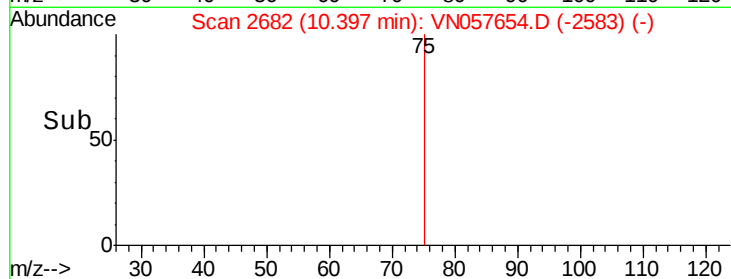
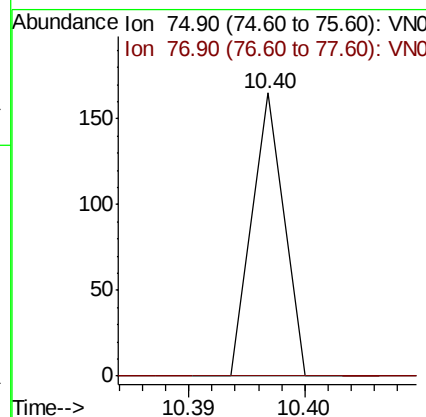
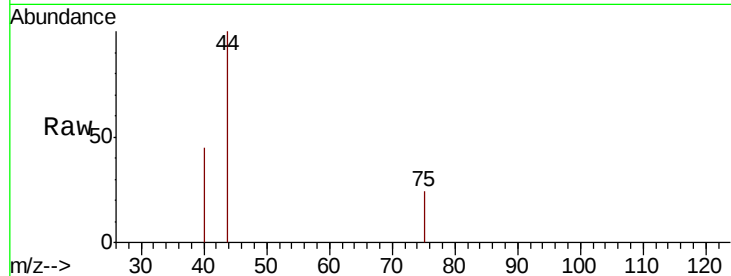




#53
t-1,3-Dichloropropene
Concen: 3.227 ug/l
RT: 10.40 min Scan# 2682
Delta R.T. 0.02 min
Lab File: VN057654.D
Acq: 1 Sep 2019 19:25

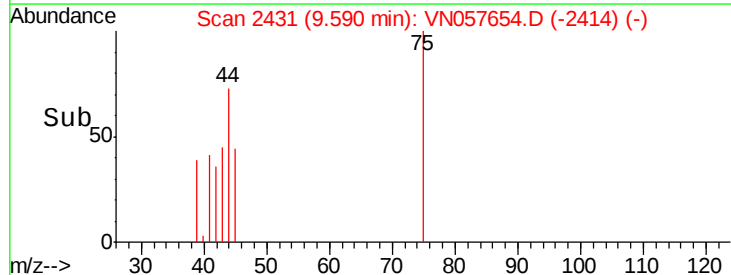
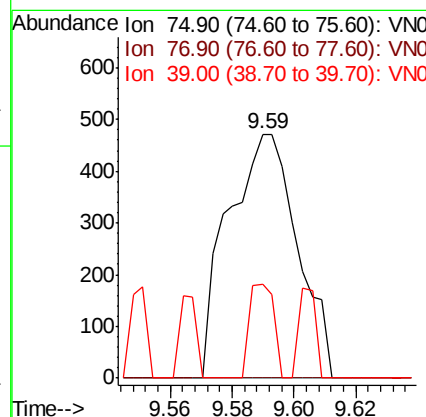
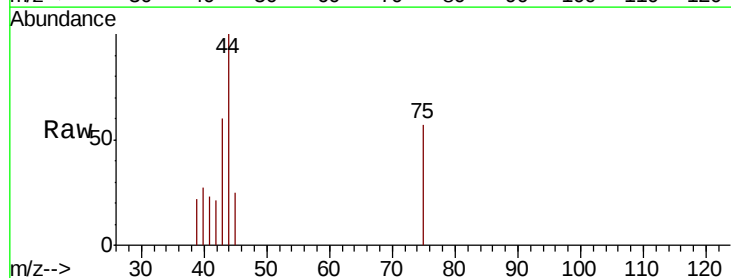
Instrument :
MSVOA_N
ClientSampleId :
T1-S-B3-(0)

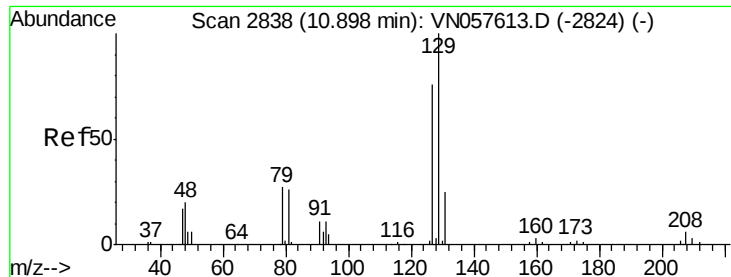
Tgt Ion: 75 Resp: 32
Ion Ratio Lower Upper
75 100
77 0.0 24.1 36.1#



#54
cis-1,3-Dichloropropene
Concen: 1.955 ug/l
RT: 9.59 min Scan# 2431
Delta R.T. -0.24 min
Lab File: VN057654.D
Acq: 1 Sep 2019 19:25

Tgt Ion: 75 Resp: 735
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 38.6 55.0 82.4#

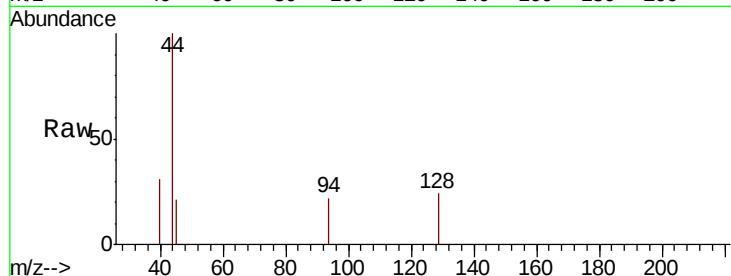




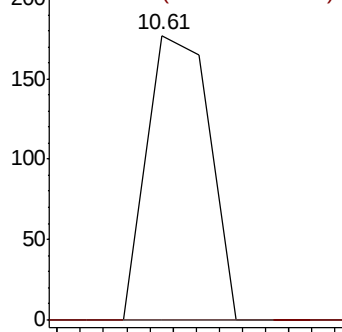
#60
 Dibromochloromethane
 Concen: 3.567 ug/l
 RT: 10.61 min Scan# 2748
 Delta R.T. -0.29 min
 Lab File: VN057654.D
 Acq: 1 Sep 2019 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-S-B3-(0)

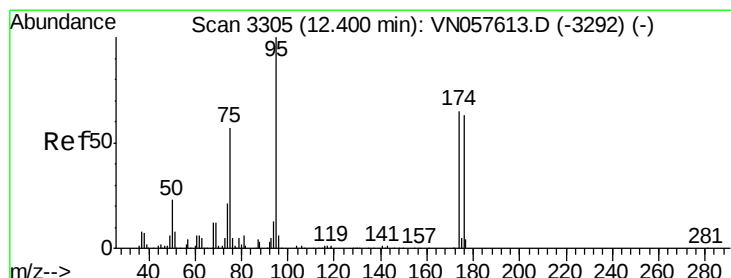
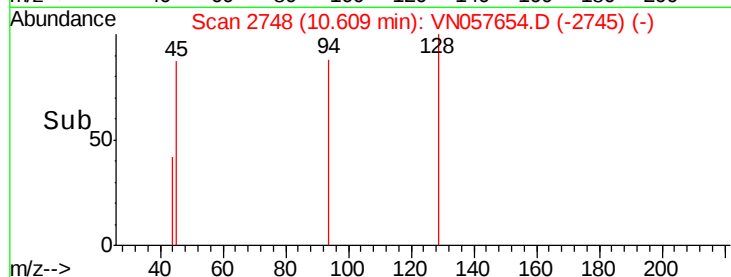
Tgt Ion: 129 Resp: 66
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

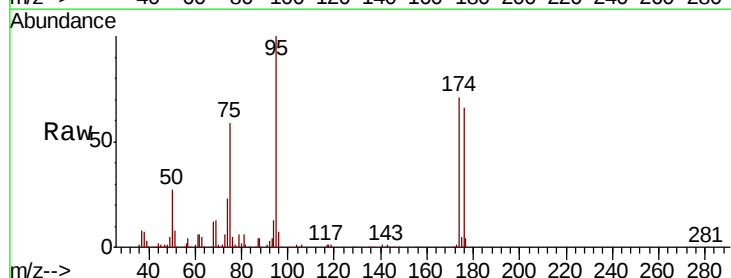


Time--> 10.60 10.61 10.62

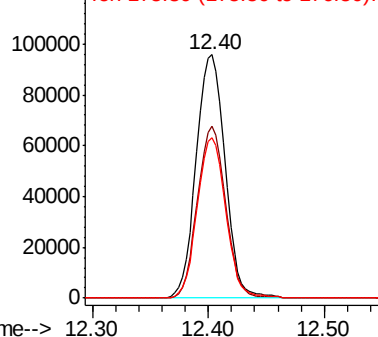


#62
 4-Bromofluorobenzene
 Concen: 43.221 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057654.D
 Acq: 1 Sep 2019 19:25

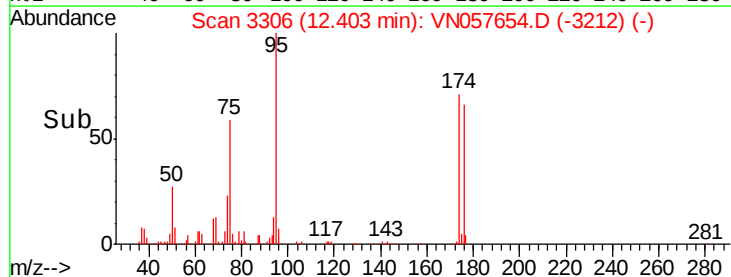
Tgt Ion: 95 Resp: 165205
 Ion Ratio Lower Upper
 95 100
 174 68.3 0.0 134.8
 176 65.0 0.0 131.6

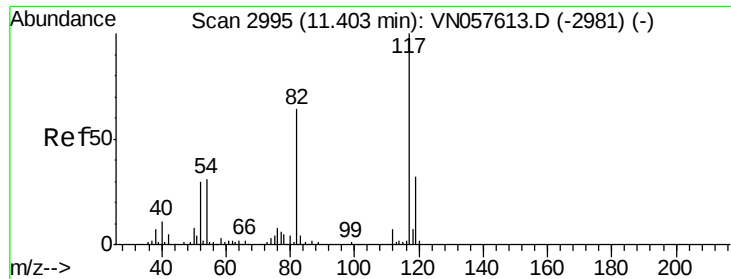


Abundance Ion 94.90 (94.60 to 95.60): VN0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V



Time--> 12.30 12.40 12.50

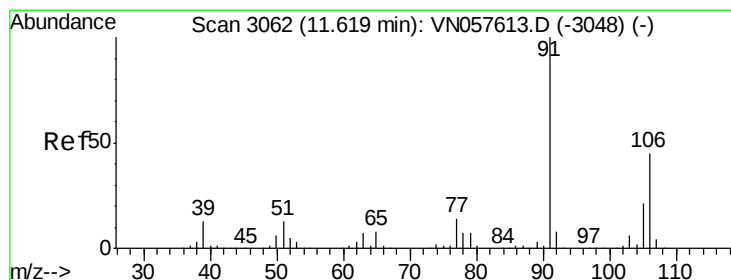
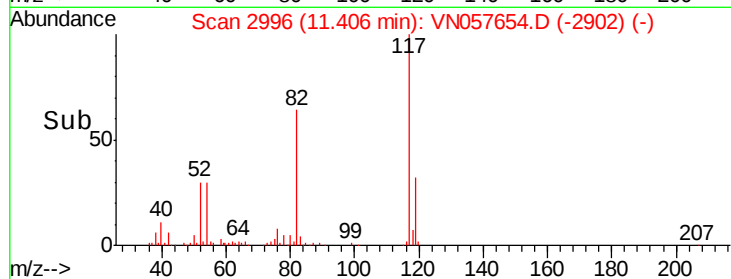
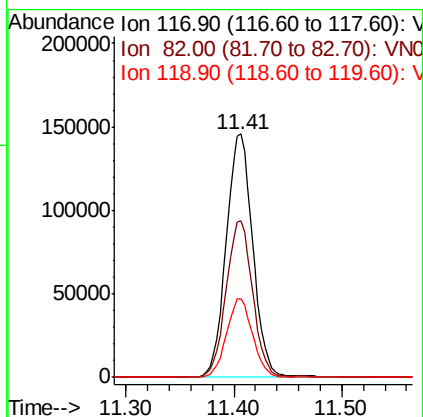
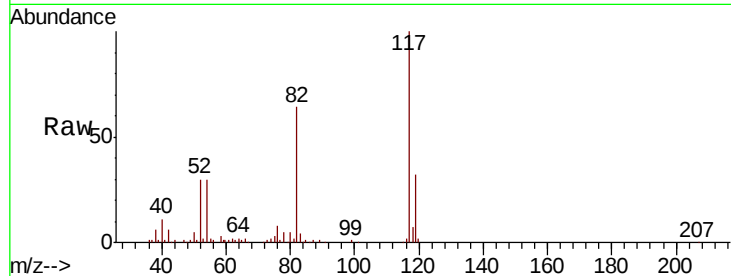




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057654.D
Acq: 1 Sep 2019 19:25

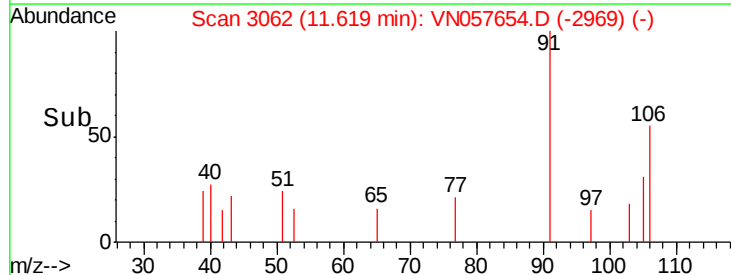
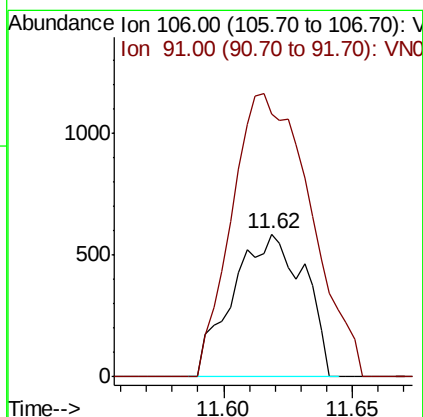
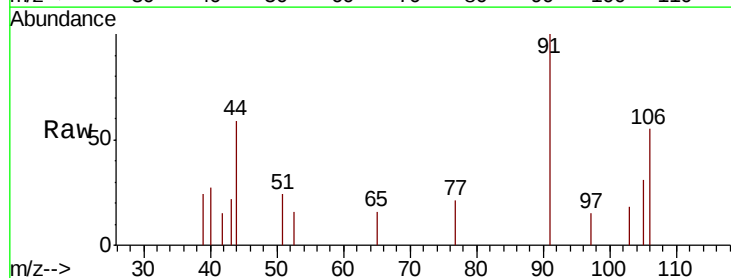
Instrument :
MSVOA_N
ClientSampled :
T1-S-B3-(0)

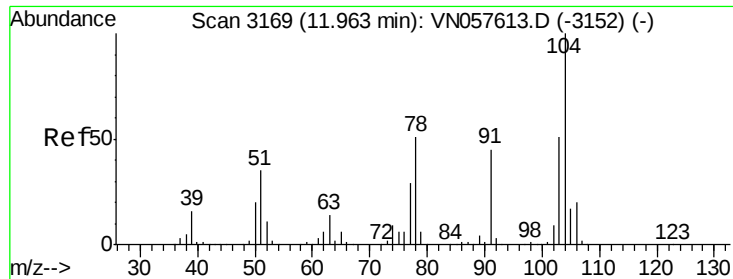
Tgt Ion:117 Resp: 251247
Ion Ratio Lower Upper
117 100
82 64.2 51.6 77.4
119 32.4 25.8 38.6



#68
m/p-Xylenes
Concen: 0.263 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057654.D
Acq: 1 Sep 2019 19:25

Tgt Ion:106 Resp: 1135
Ion Ratio Lower Upper
106 100
91 218.4 176.2 264.2

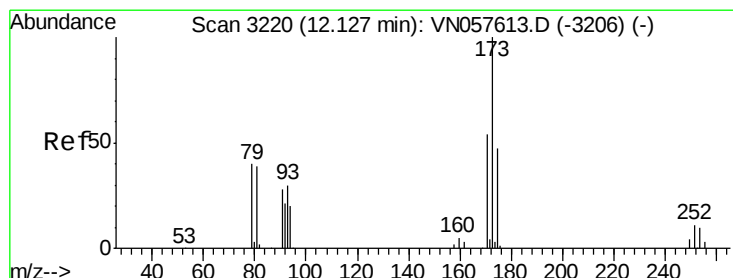
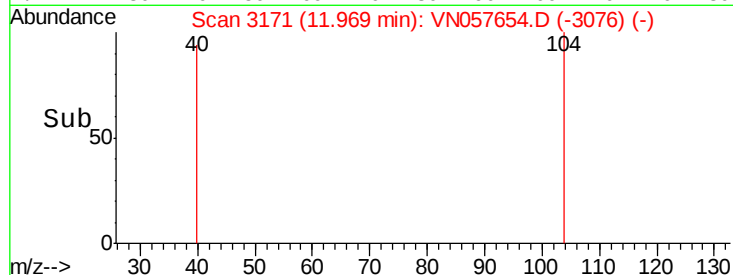
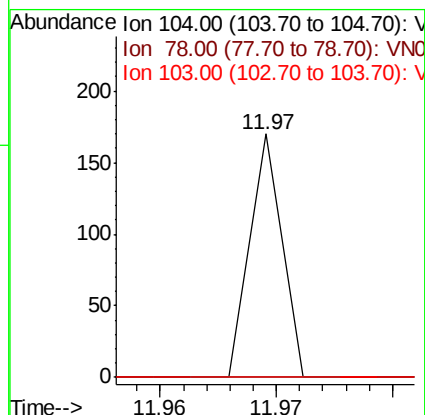
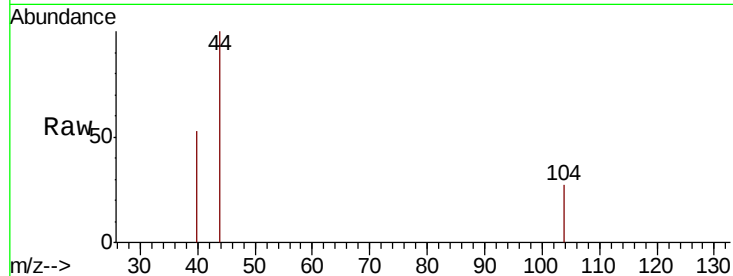




#70
Styrene
Concen: 2.587 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VN057654.D
Acq: 1 Sep 2019 19:25

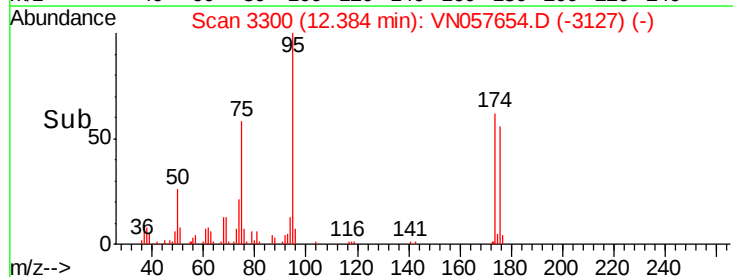
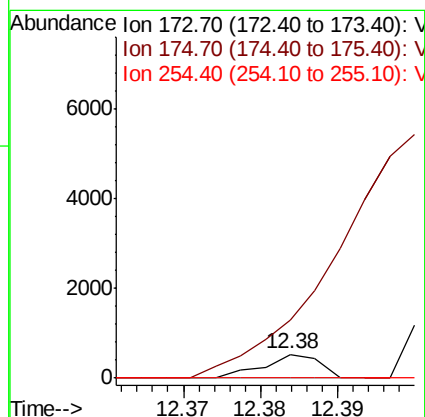
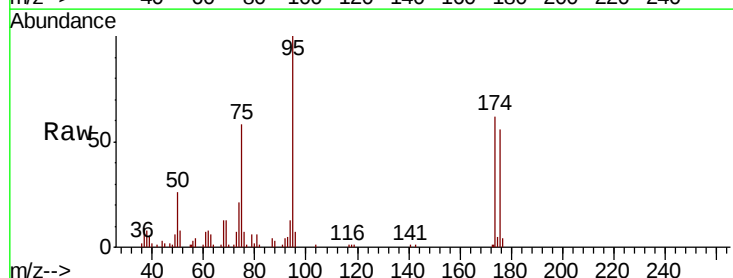
Instrument :
MSVOA_N
ClientSampled :
T1-S-B3-(0)

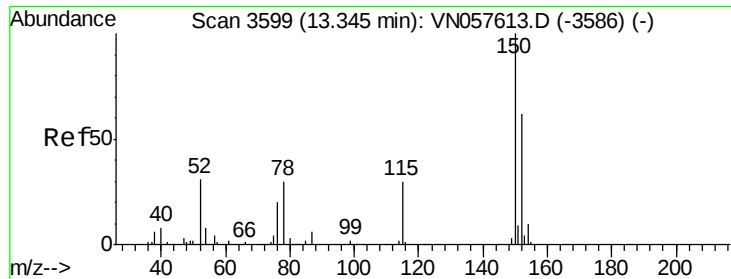
Tgt Ion:104 Resp: 33
Ion Ratio Lower Upper
104 100
78 0.0 46.6 70.0#
103 0.0 44.7 67.1#



#71
Bromoform
Concen: 6.360 ug/l
RT: 12.38 min Scan# 3300
Delta R.T. 0.26 min
Lab File: VN057654.D
Acq: 1 Sep 2019 19:25

Tgt Ion:173 Resp: 262
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057654.D

Acq: 1 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

T1-S-B3-(0)

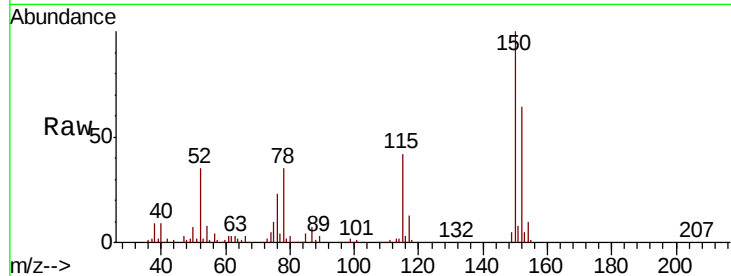
Tgt Ion:152 Resp: 109084

Ion Ratio Lower Upper

152 100

115 65.2 33.2 99.6

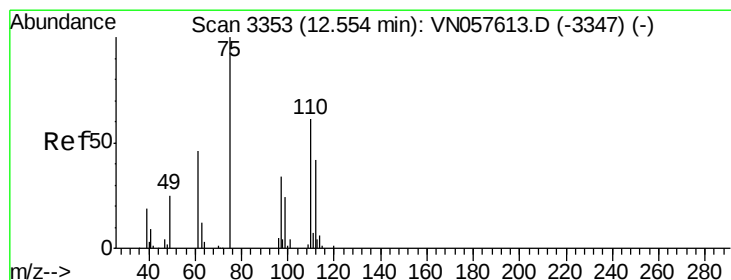
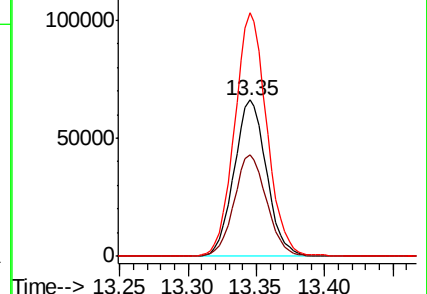
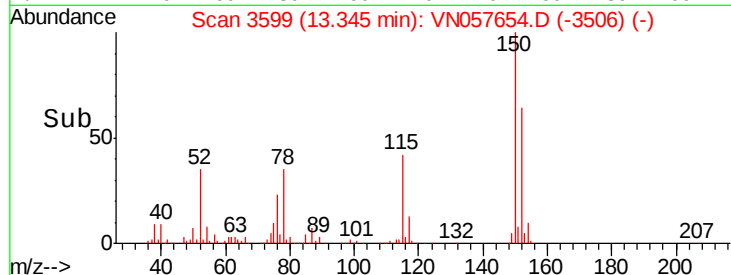
150 154.2 0.0 365.2



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



#76

1,2,3-Trichloropropane

Concen: 33.362 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057654.D

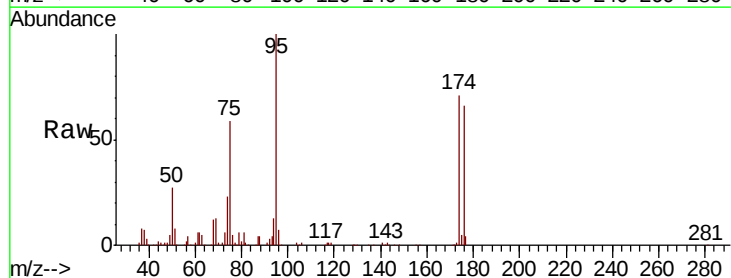
Acq: 1 Sep 2019 19:25

Tgt Ion: 75 Resp: 95730

Ion Ratio Lower Upper

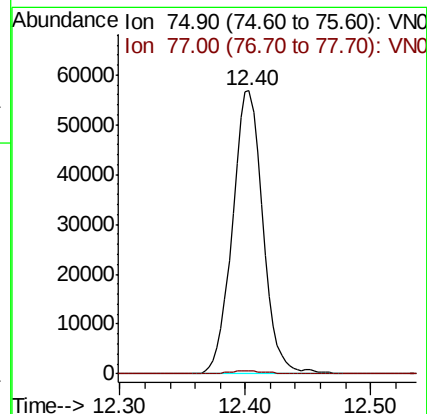
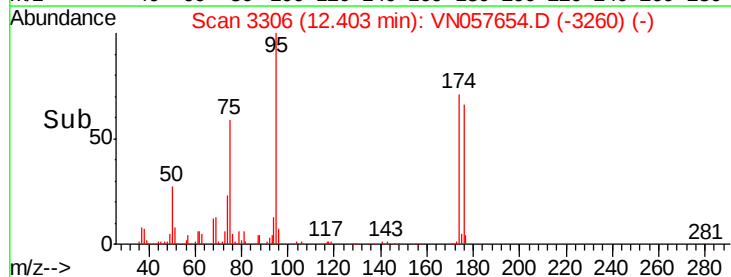
75 100

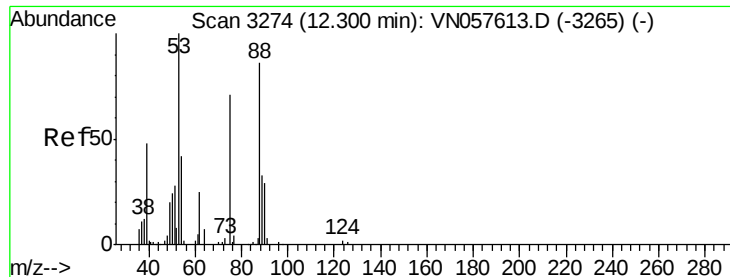
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 114.360 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057654.D

Acq: 1 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

T1-S-B3-(0)

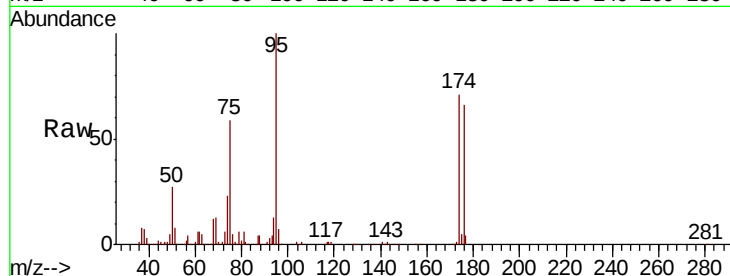
Tgt Ion: 75 Resp: 95730

Ion Ratio Lower Upper

75 100

53 0.0 111.0 166.6#

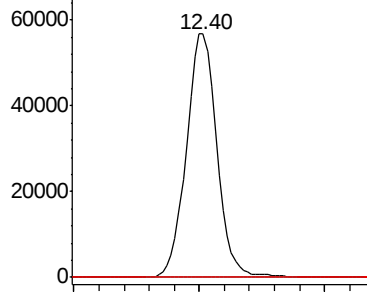
89 0.0 38.3 57.5#



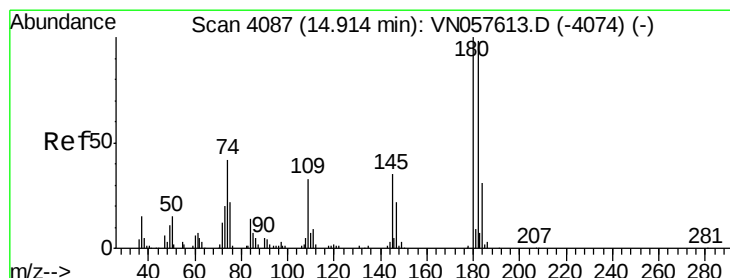
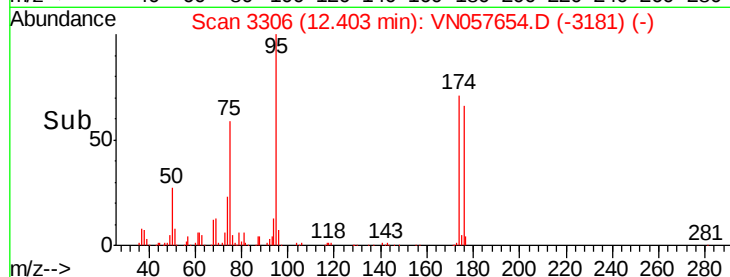
Abundance Ion 74.90 (74.60 to 75.60): VN057613.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057613.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057613.D (-3265) (-)



Time--> 12.30 12.40 12.50



#93

1,2,4-Trichlorobenzene

Concen: 8.564 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN057654.D

Acq: 1 Sep 2019 19:25

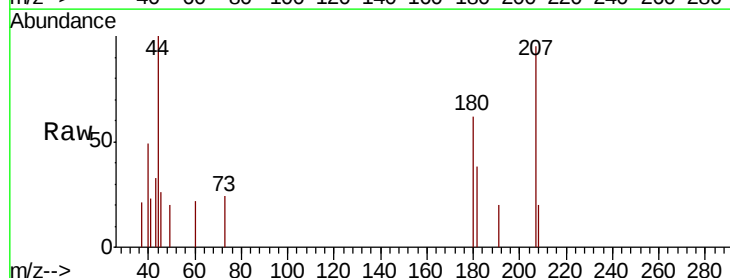
Tgt Ion: 180 Resp: 508

Ion Ratio Lower Upper

180 100

182 73.0 47.8 143.3

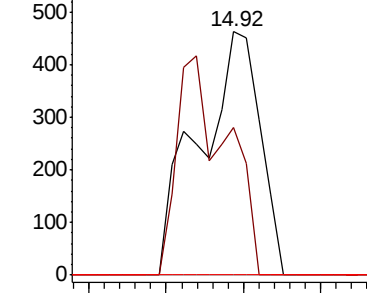
145 0.0 16.9 50.7#



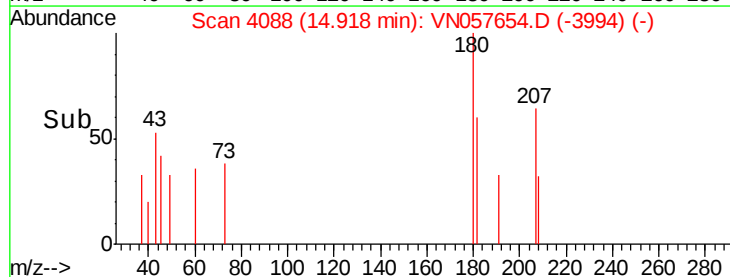
Abundance Ion 179.80 (179.50 to 180.50): VN057613.D (-4074) (-)

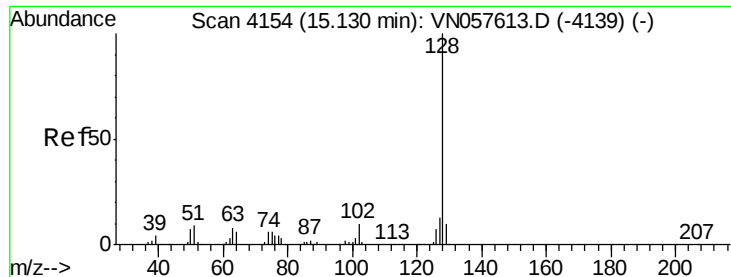
Ion 181.80 (181.50 to 182.50): VN057613.D (-4074) (-)

Ion 144.80 (144.50 to 145.50): VN057613.D (-4074) (-)



Time--> 14.88 14.90 14.92 14.94





#95

Naphthalene

Concen: 7.145 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057654.D

Acq: 1 Sep 2019 19:25

Instrument :

MSVOA_N

ClientSampleId :

T1-S-B3-(0)

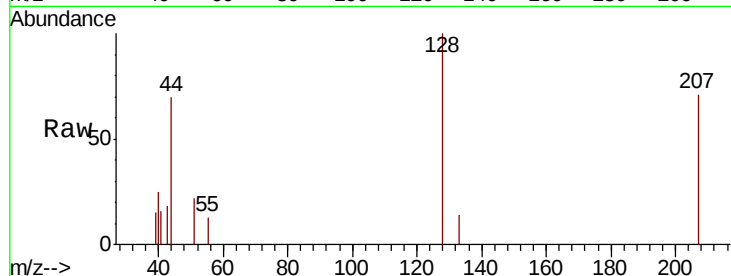
Tgt Ion:128 Resp: 1325

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

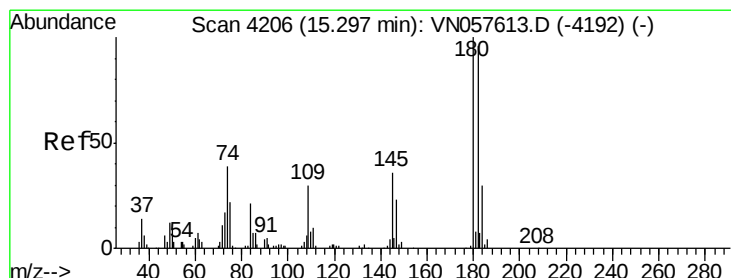
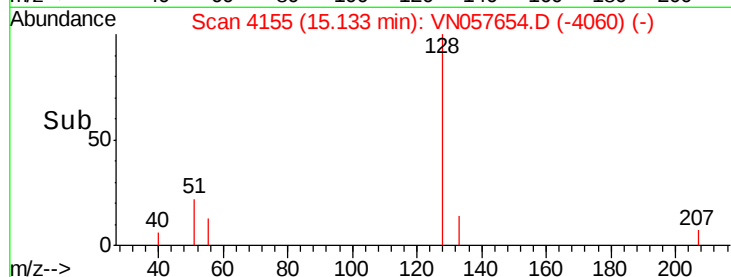
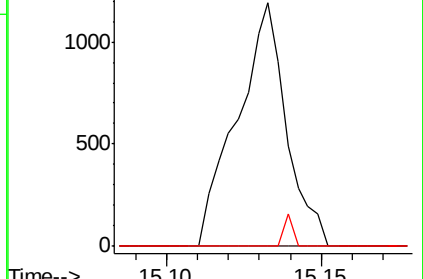
129 2.3 8.6 12.8#



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: 7.961 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN057654.D

Acq: 1 Sep 2019 19:25

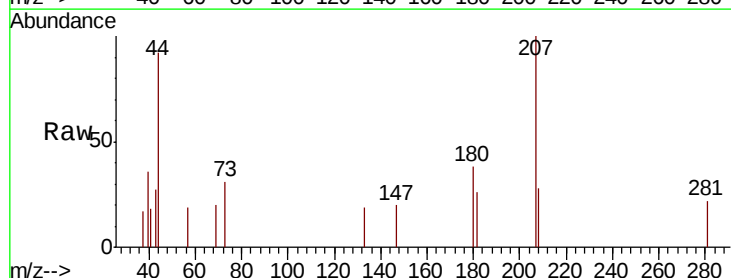
Tgt Ion:180 Resp: 368

Ion Ratio Lower Upper

180 100

182 67.9 46.3 138.9

145 0.0 17.8 53.3#



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

