

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080919\
 Data File : VN057140.D
 Acq On : 9 Aug 2019 12:36
 Operator : JC/SP
 Sample : K4238-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-17

Quant Time: Aug 10 02:10:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1391853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1969420	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1615783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	382613	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	658816	46.03	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.06%		
35) Dibromofluoromethane	6.99	113	601000	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.26%		
50) Toluene-d8	9.56	98	2265540	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.84%		
62) 4-Bromofluorobenzene	11.92	95	584765	38.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	76.76%		

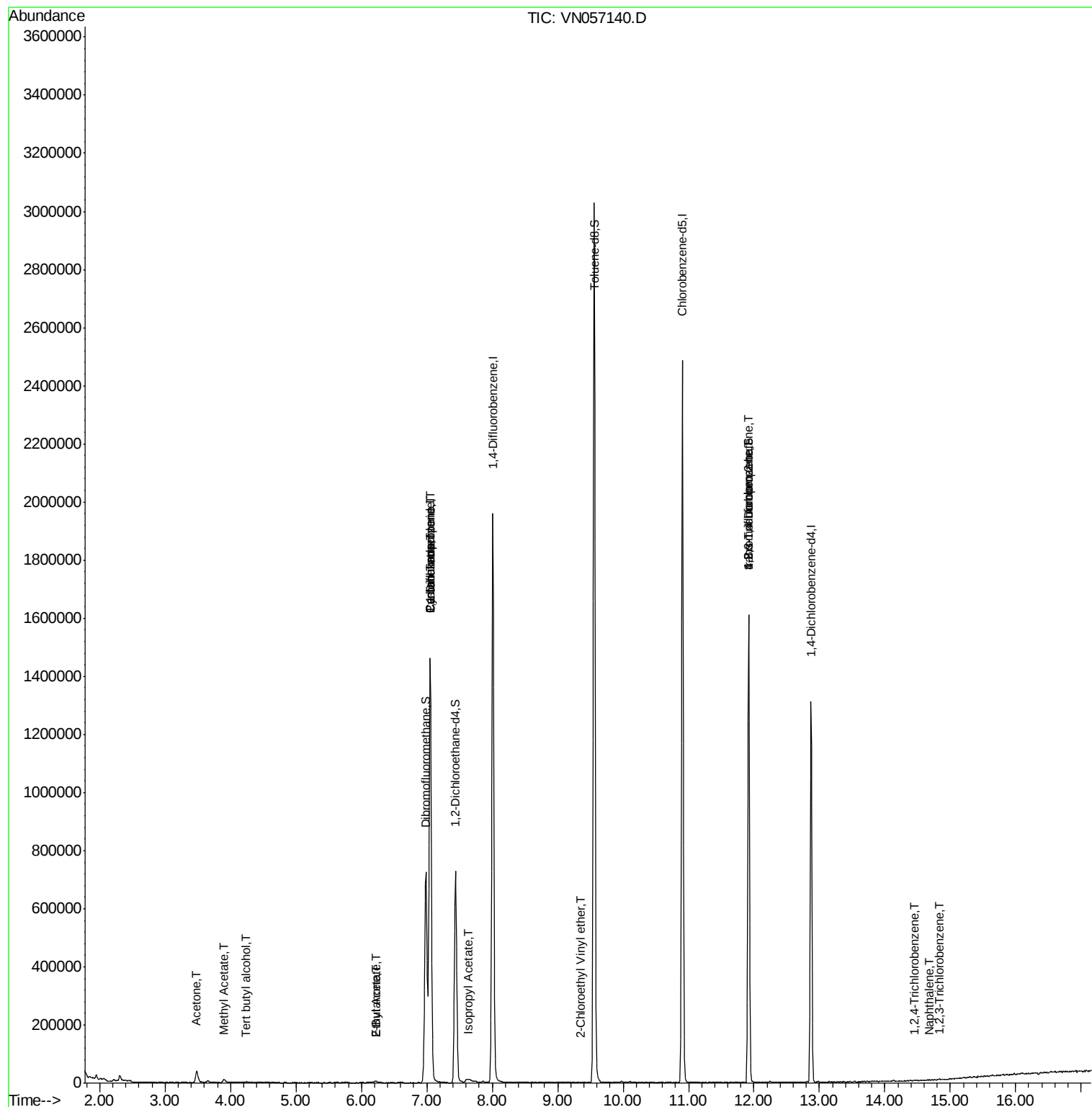
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.23	59	1600	0.785	ug/l #	84
16) Acetone	3.48	43	61759	14.286	ug/l	97
18) Methyl Acetate	3.90	43	20424	0.941	ug/l	93
25) 2-Butanone	6.22	43	5355	0.811	ug/l	91
31) Cyclohexane	7.05	56	22221	1.070	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	84935	5.238	ug/l #	42
37) Ethyl Acetate	6.22	43	5355	0.388	ug/l #	70
38) Carbon Tetrachloride	7.05	117	118169	6.993	ug/l #	16
43) Isopropyl Acetate	7.63	43	10978	0.481	ug/l #	51
58) 2-Chloroethyl Vinyl ether	9.35	63	34	13.120	ug/l #	47
73) Isopropylbenzene	11.77	105	360	Below Cal	#	68
75) 1,1,2,2-Tetrachloroethane	11.92	83	115	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.92	75	265879	34.696	ug/l #	100
79) 2-Chlorotoluene	12.19	91	508	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	11.92	75	265879	102.175	ug/l #	14
83) tert-Butylbenzene	12.53	119	721	Below Cal	#	41
90) Hexachloroethane	13.53	117	299	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.45	180	579	6.022	ug/l	65
95) Naphthalene	14.67	128	804	2.884	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.83	180	556	5.807	ug/l	89

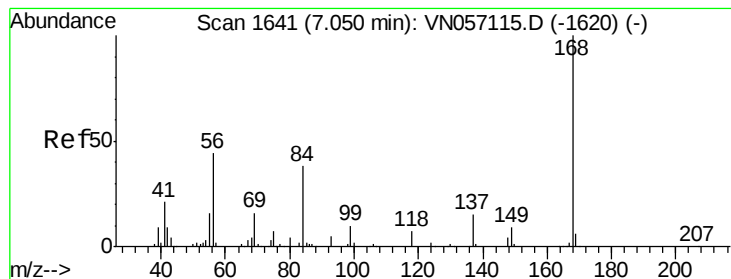
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057140.D

Acq: 9 Aug 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

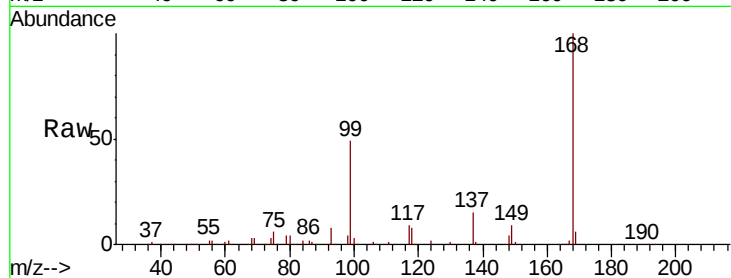
TP-17

Tgt Ion:168 Resp: 1391853

Ion Ratio Lower Upper

168 100

99 49.3 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN057140.D (-1548) (-)

Ion 98.90 (98.60 to 99.60): VN057140.D (-1548) (-)

7.05

600000

500000

400000

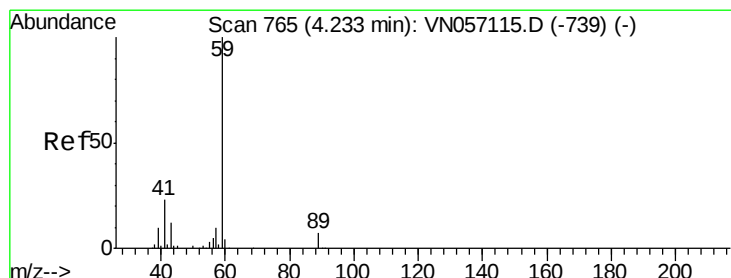
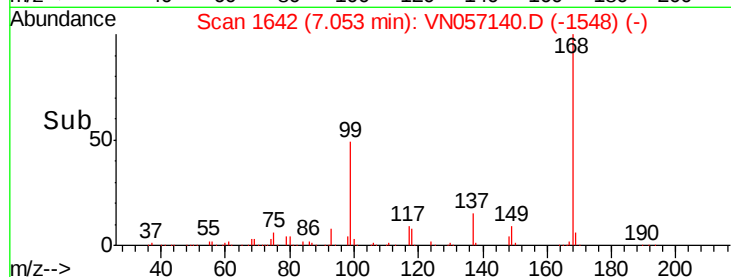
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.785 ug/l

RT: 4.23 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN057140.D

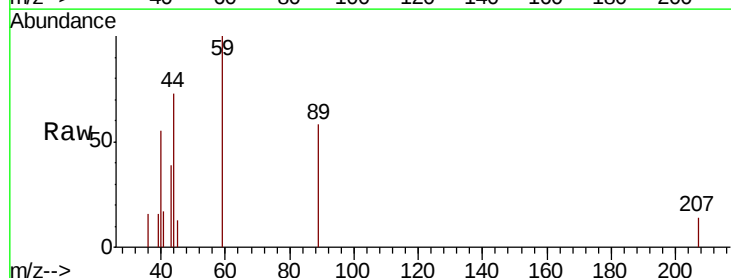
Acq: 9 Aug 2019 12:36

Tgt Ion: 59 Resp: 1600

Ion Ratio Lower Upper

59 100

57 4.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VN057140.D (-672) (-)

Ion 57.00 (56.70 to 57.70): VN057140.D (-672) (-)

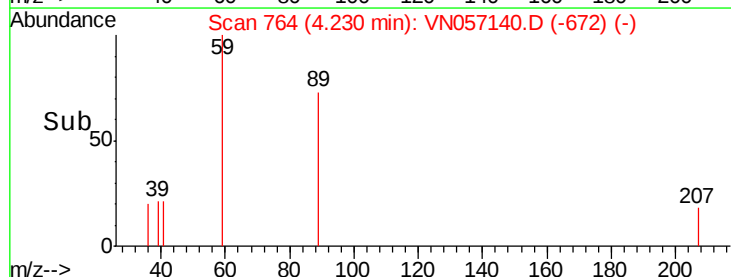
4.23

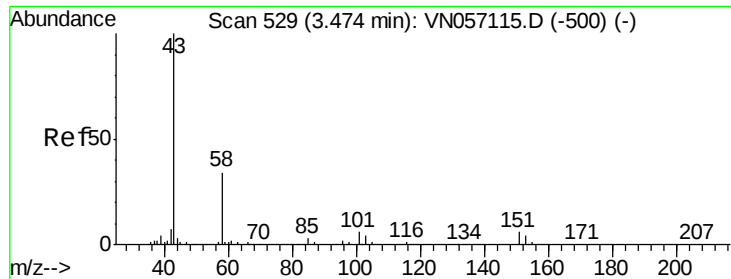
1000

500

0

Time-->





#16

Acetone

Concen: 14.286 ug/l

RT: 3.48 min Scan# 530

Delta R.T. 0.00 min

Lab File: VN057140.D

Acq: 9 Aug 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

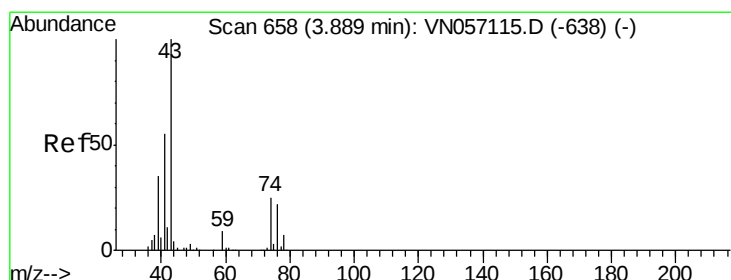
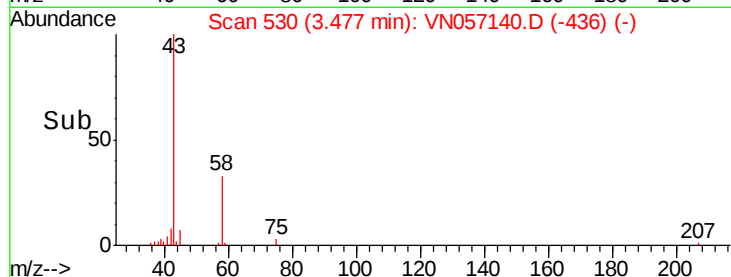
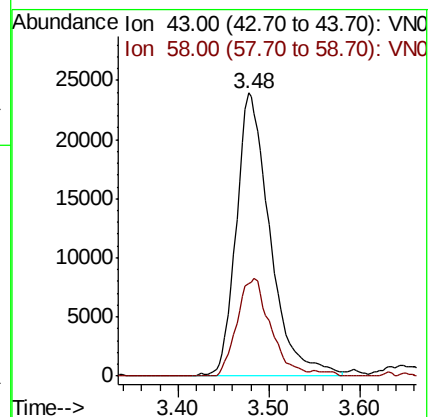
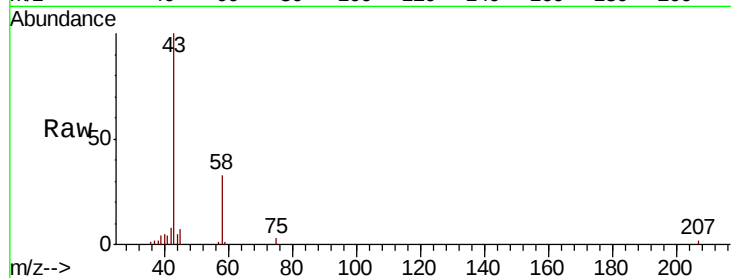
TP-17

Tgt Ion: 43 Resp: 61759

Ion Ratio Lower Upper

43 100

58 32.7 27.4 41.2



#18

Methyl Acetate

Concen: 0.941 ug/l

RT: 3.90 min Scan# 662

Delta R.T. 0.01 min

Lab File: VN057140.D

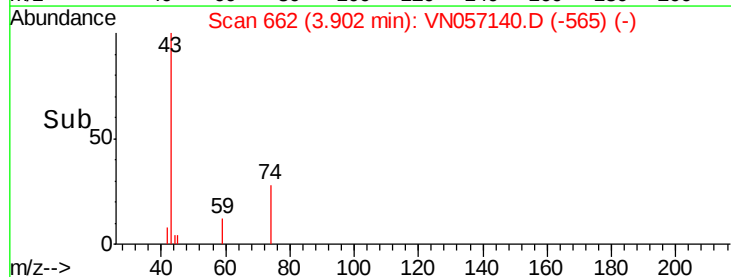
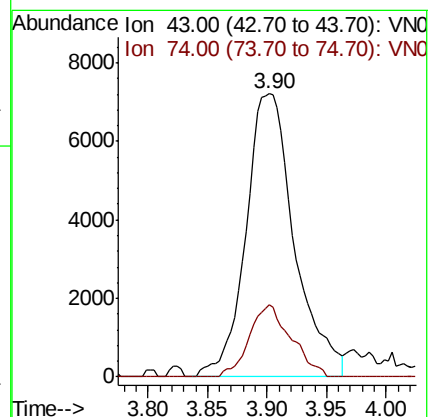
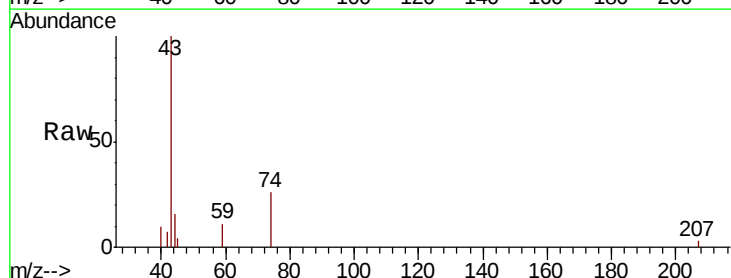
Acq: 9 Aug 2019 12:36

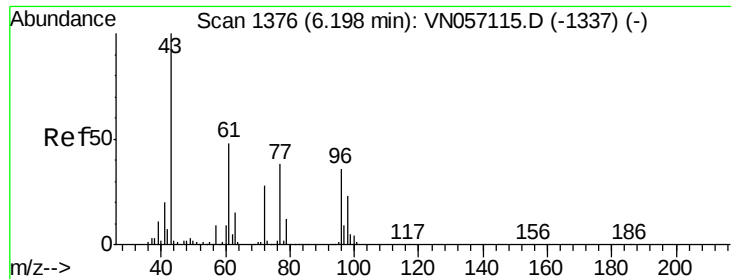
Tgt Ion: 43 Resp: 20424

Ion Ratio Lower Upper

43 100

74 21.9 20.2 30.4

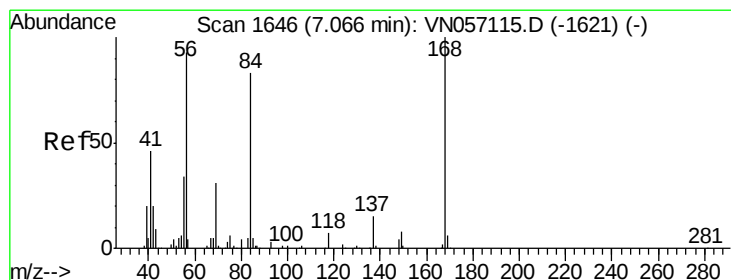
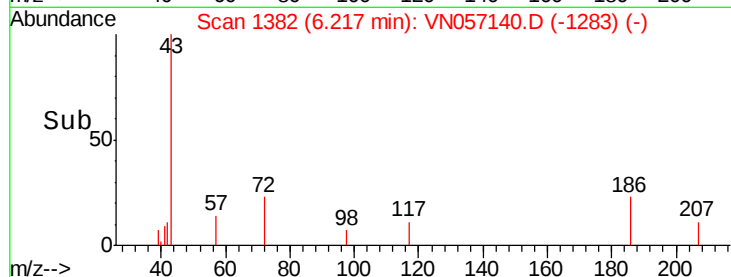
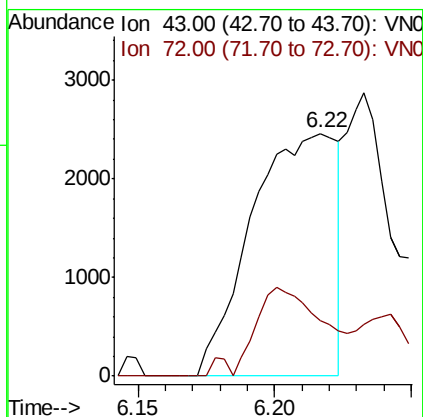
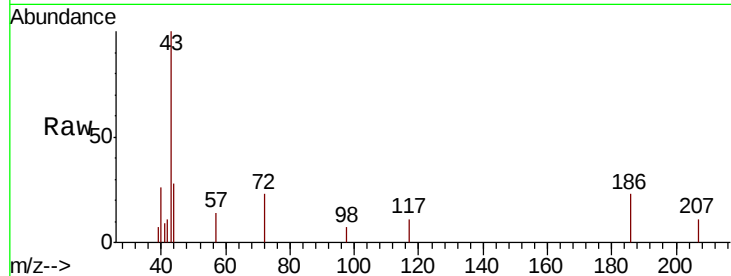




#25
2-Butanone
Concen: 0.811 ug/l
RT: 6.22 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VN057140.D
Acq: 9 Aug 2019 12:36

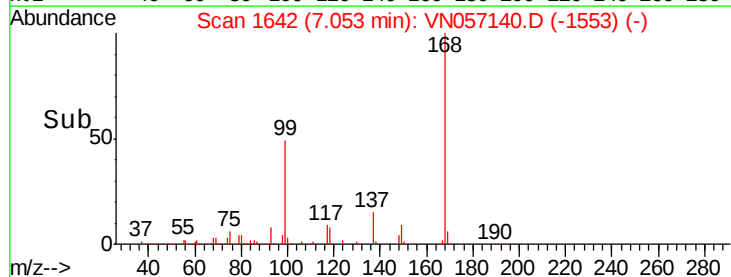
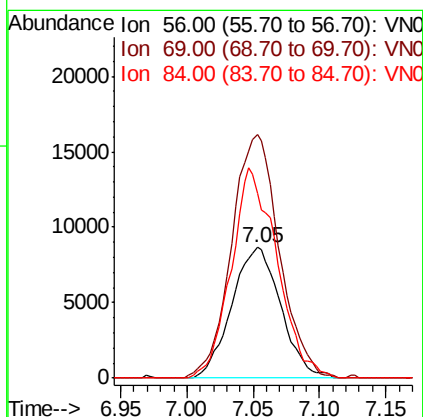
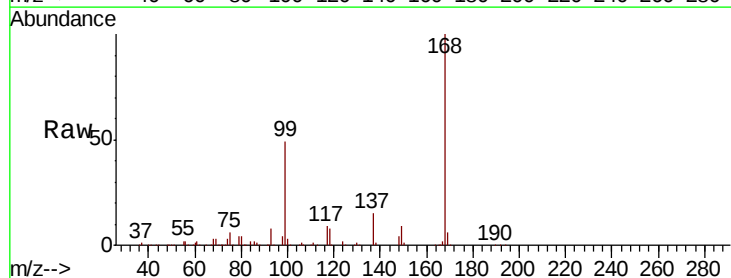
Instrument :
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TP-17

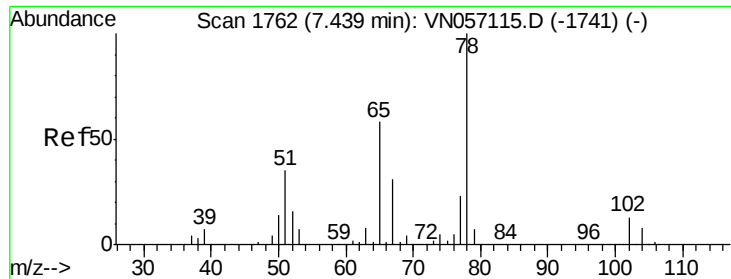
Tgt Ion: 43 Resp: 5355
Ion Ratio Lower Upper
43 100
72 23.0 22.2 33.4



#31
Cyclohexane
Concen: 1.070 ug/l
RT: 7.05 min Scan# 1642
Delta R.T. -0.01 min
Lab File: VN057140.D
Acq: 9 Aug 2019 12:36

Tgt Ion: 56 Resp: 22221
Ion Ratio Lower Upper
56 100
69 186.4 26.9 40.3#
84 141.6 71.9 107.9#

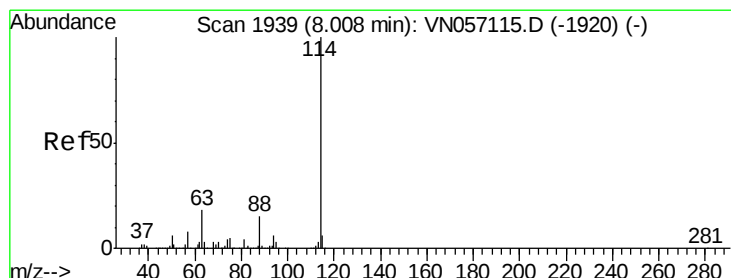
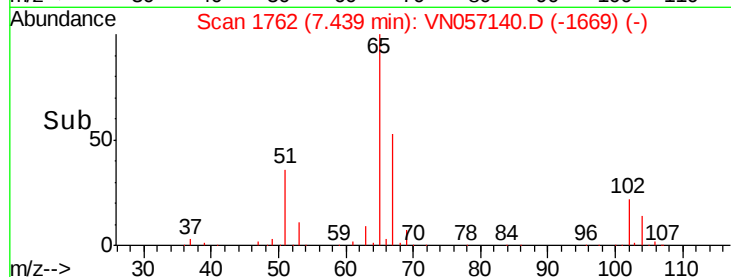
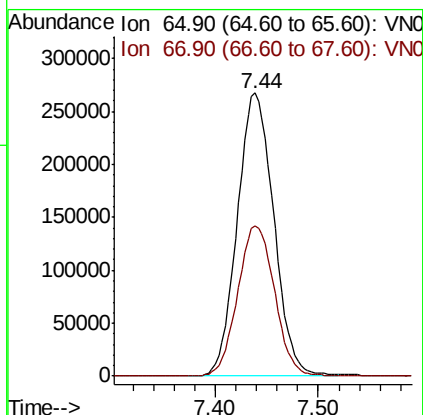
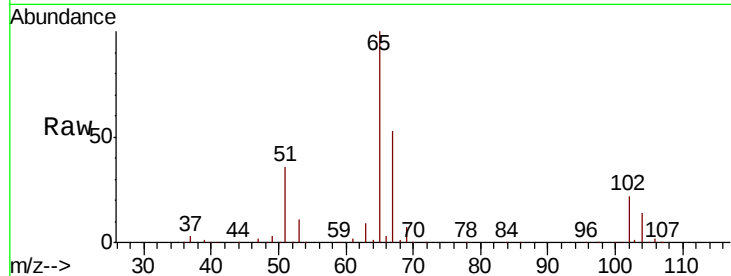




#33
 1,2-Dichloroethane-d4
 Concen: 46.025 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057140.D
 Acq: 9 Aug 2019 12:36

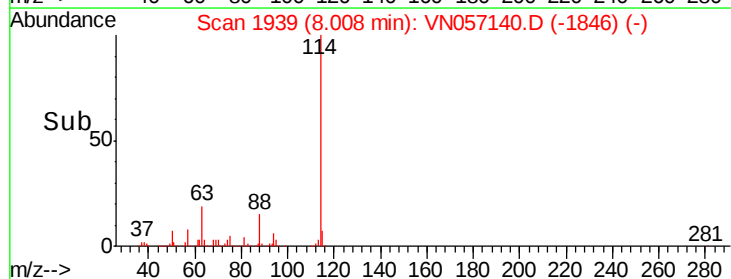
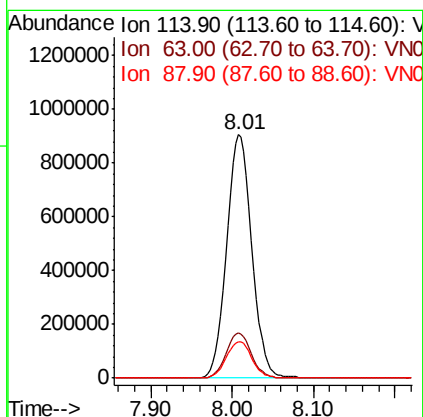
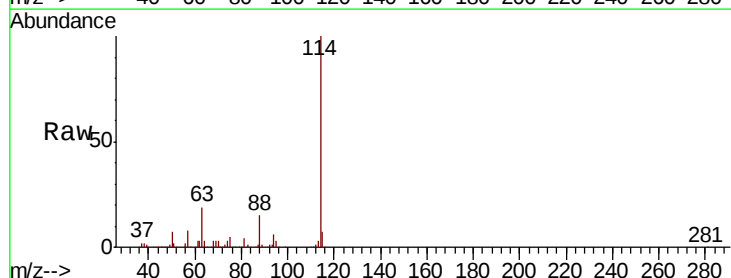
Instrument :
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 TP-17

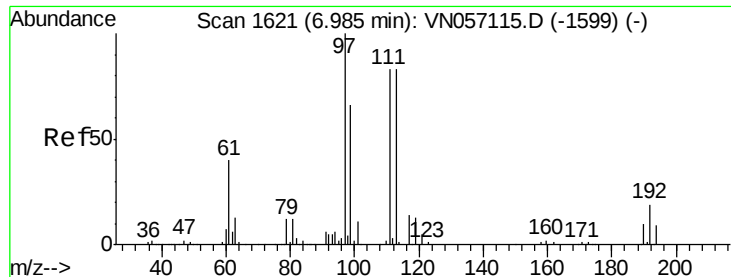
Tgt Ion: 65 Resp: 658816
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057140.D
 Acq: 9 Aug 2019 12:36

Tgt Ion: 114 Resp: 1969420
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.2
 88 15.0 0.0 30.0

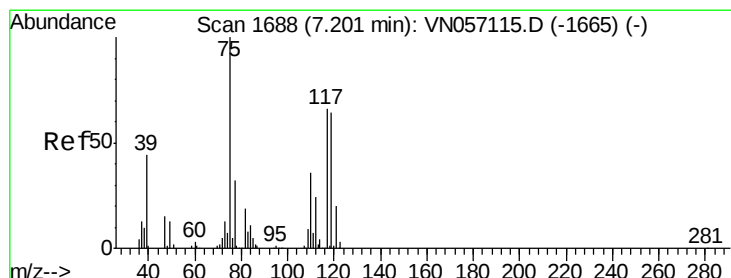
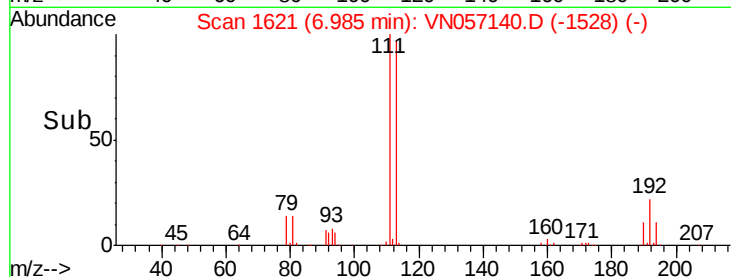
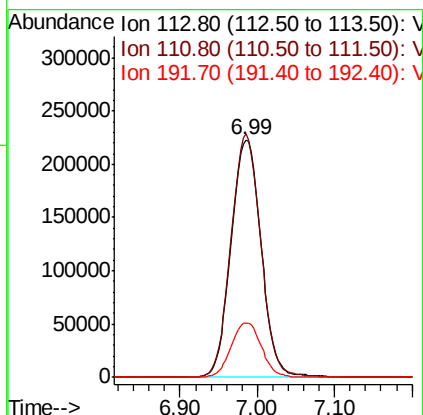
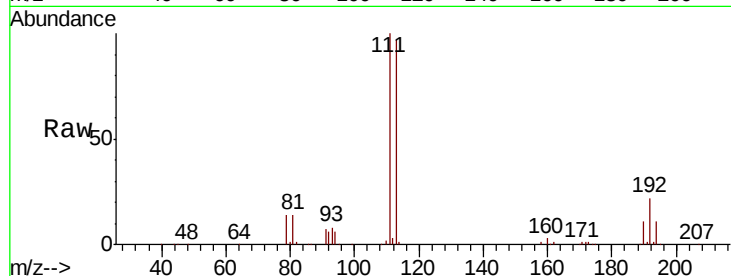




#35
 Dibromofluoromethane
 Concen: 48.631 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057140.D
 Acq: 9 Aug 2019 12:36

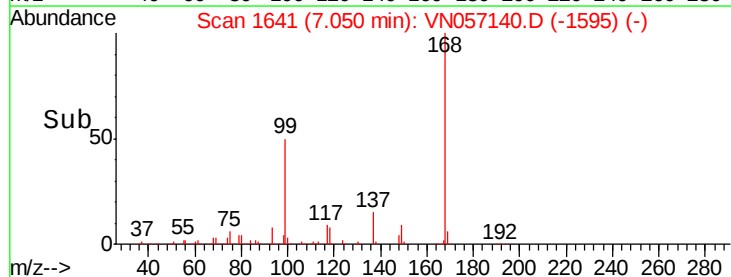
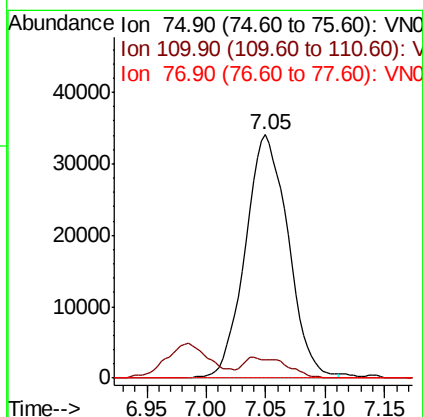
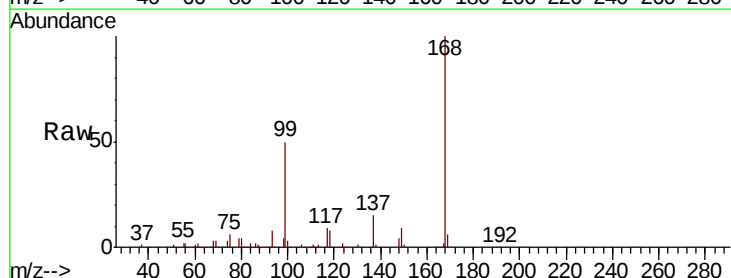
Instrument :
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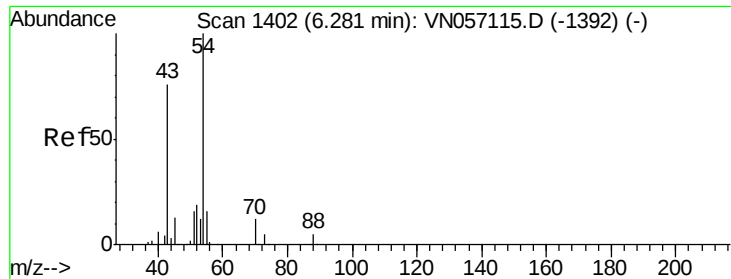
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.3	121.9
192	23.3	19.0	28.4



#36
 1,1-Dichloropropene
 Concen: 5.238 ug/l
 RT: 7.05 min Scan# 1641
 Delta R.T. -0.15 min
 Lab File: VN057140.D
 Acq: 9 Aug 2019 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.3	18.7	56.1#
77	0.0	25.0	37.4#

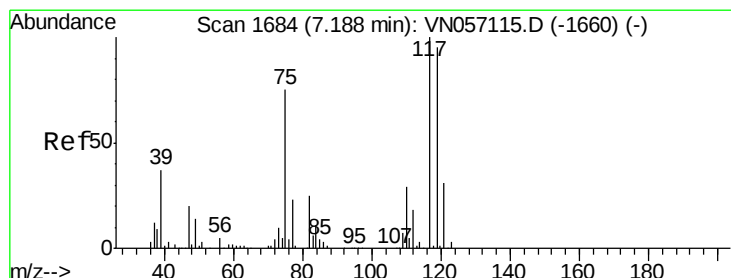
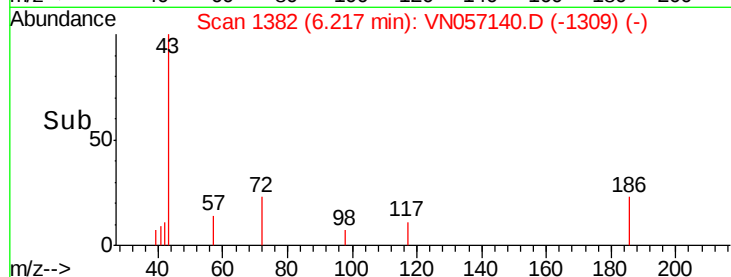
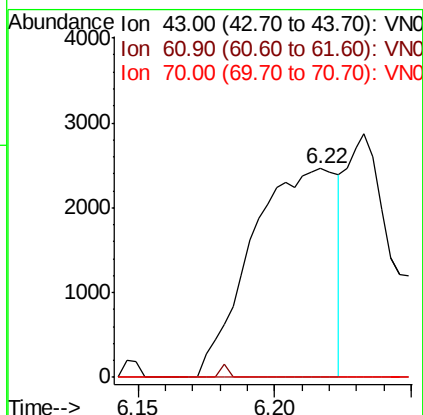
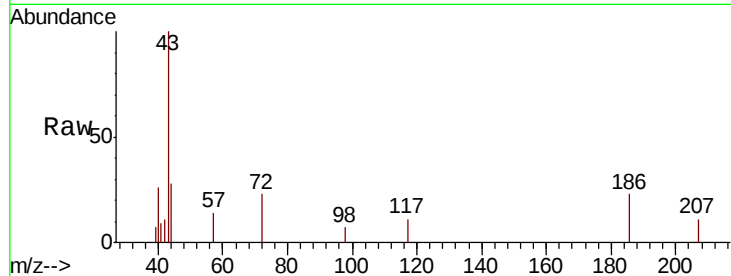




#37
 Ethyl Acetate
 Concen: 0.388 ug/l
 RT: 6.22 min Scan# 1382
 Delta R.T. -0.06 min
 Lab File: VN057140.D
 Acq: 9 Aug 2019 12:36

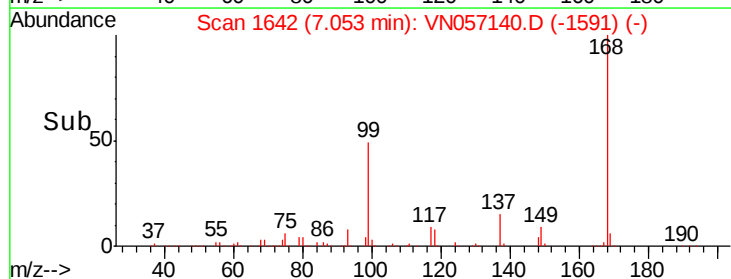
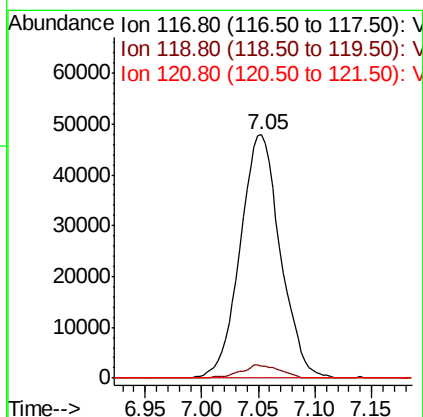
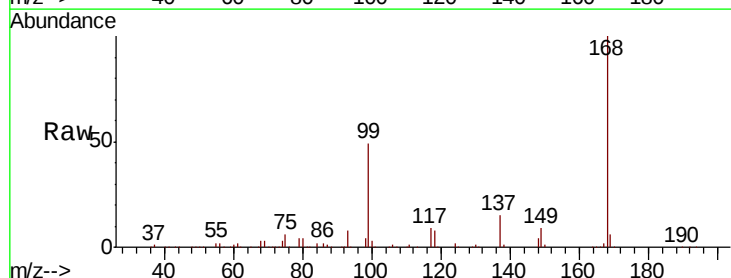
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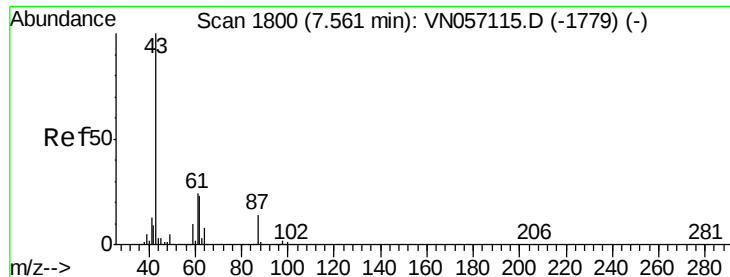
Tgt Ion: 43 Resp: 5355
 Ion Ratio Lower Upper
 43 100
 61 0.0 0.0 0.0
 70 0.0 9.1 13.7#



#38
 Carbon Tetrachloride
 Concen: 6.993 ug/l
 RT: 7.05 min Scan# 1642
 Delta R.T. -0.14 min
 Lab File: VN057140.D
 Acq: 9 Aug 2019 12:36

Tgt Ion: 117 Resp: 118169
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.8 113.6#
 121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 0.481 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.07 min

Lab File: VN057140.D

Acq: 9 Aug 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

TP-17

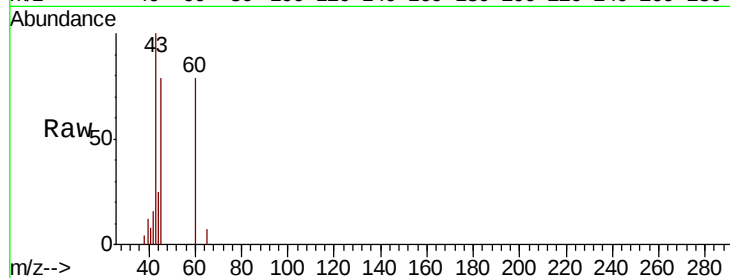
Tgt Ion: 43 Resp: 10978

Ion Ratio Lower Upper

43 100

61 0.0 24.2 36.2#

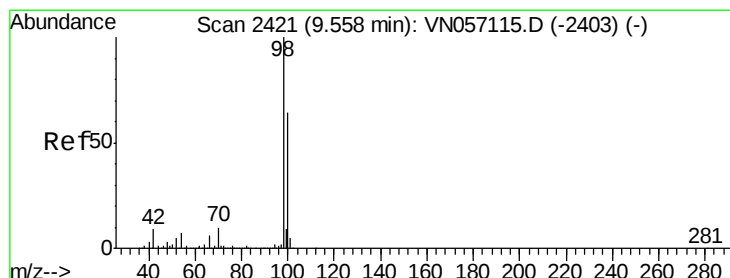
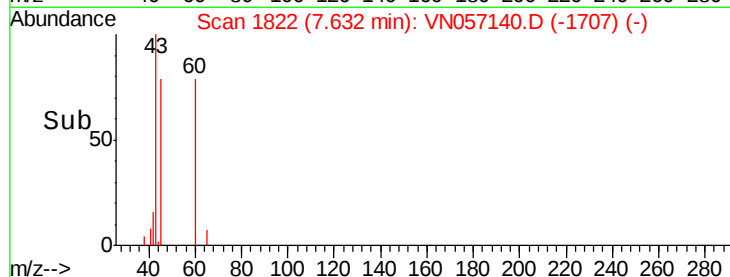
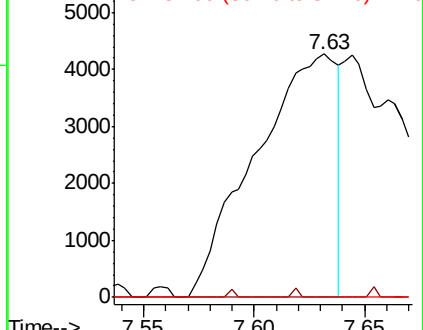
87 0.0 11.8 17.8#



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



#50

Toluene-d8

Concen: 47.916 ug/l

RT: 9.56 min Scan# 2421

Delta R.T. -0.00 min

Lab File: VN057140.D

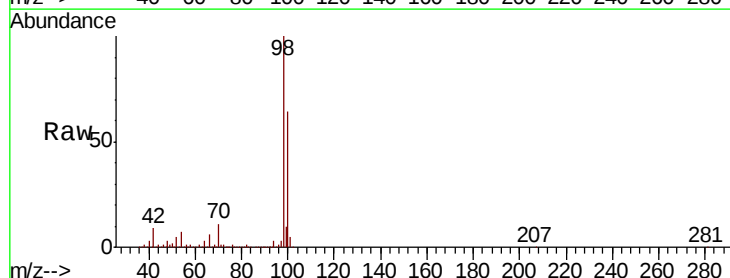
Acq: 9 Aug 2019 12:36

Tgt Ion: 98 Resp: 2265540

Ion Ratio Lower Upper

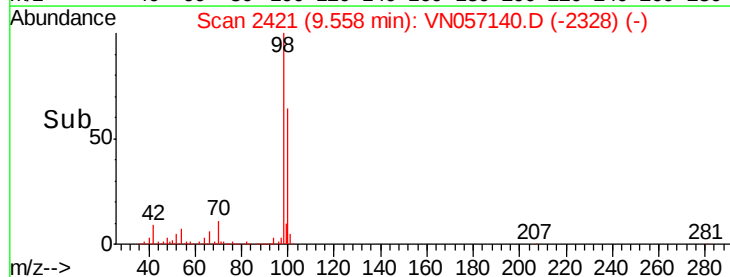
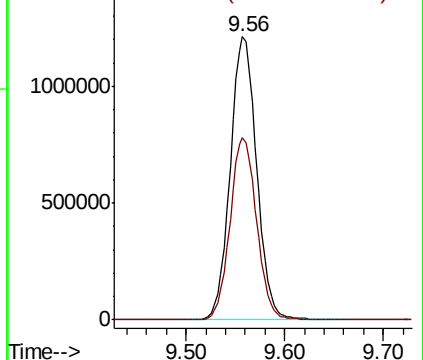
98 100

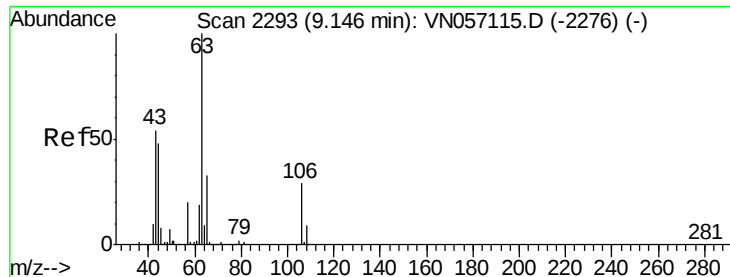
100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

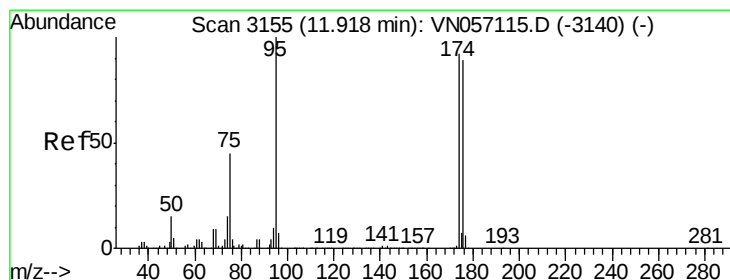
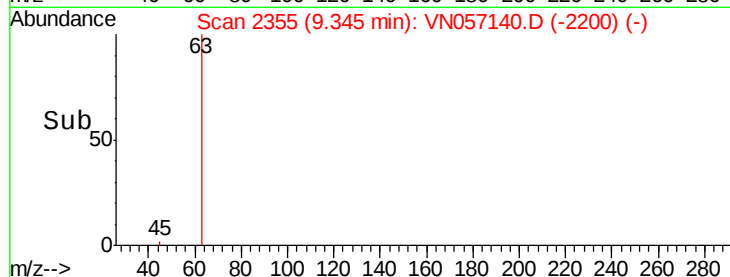
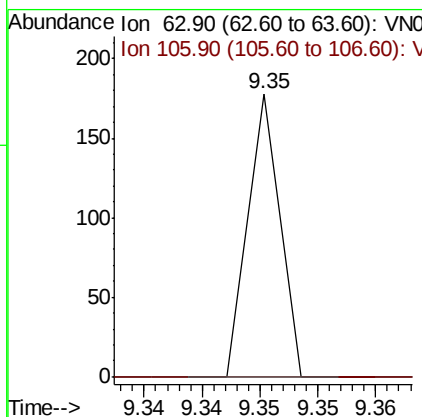
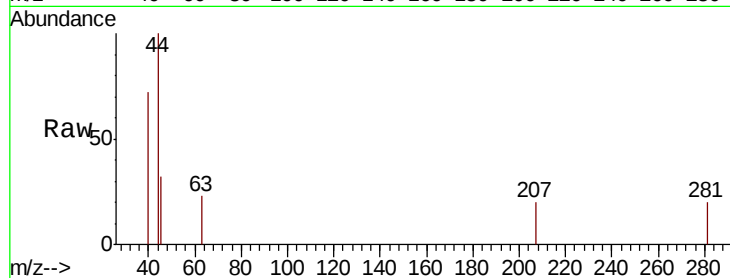




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.120 ug/l
 RT: 9.35 min Scan# 2355
 Delta R.T. 0.20 min
 Lab File: VN057140.D
 Acq: 9 Aug 2019 12:36

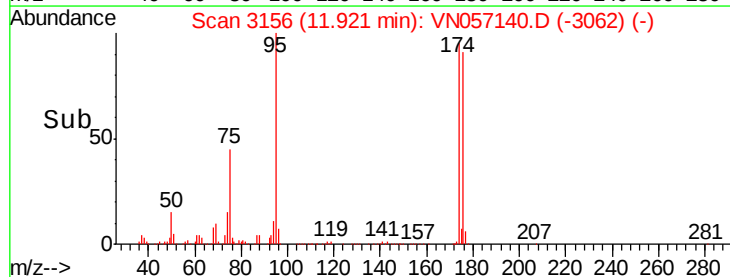
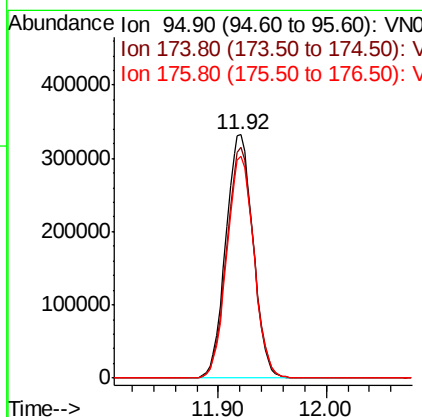
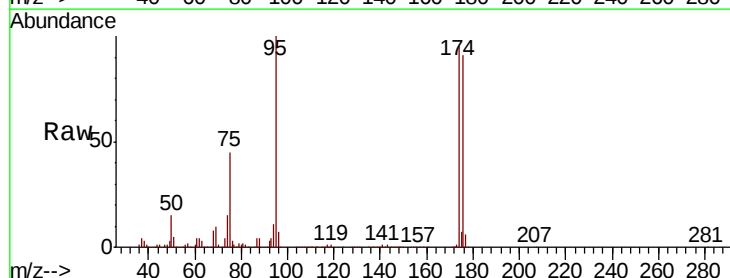
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-17

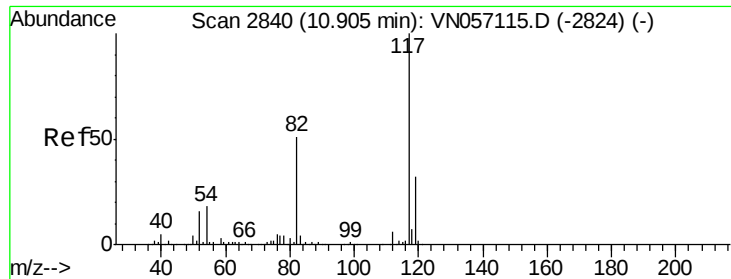
Tgt Ion: 63 Resp: 34
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.6 33.8#



#62
 4-Bromofluorobenzene
 Concen: 38.385 ug/l
 RT: 11.92 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VN057140.D
 Acq: 9 Aug 2019 12:36

Tgt Ion: 95 Resp: 584765
 Ion Ratio Lower Upper
 95 100
 174 94.2 0.0 185.0
 176 90.8 0.0 181.2

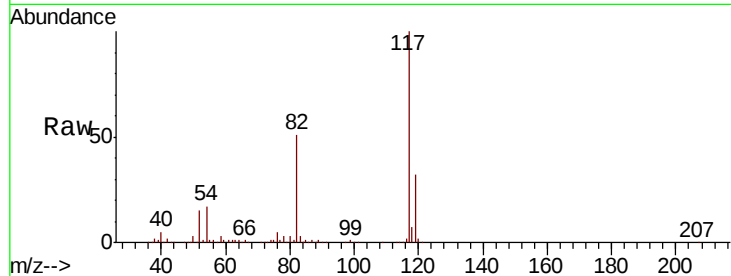




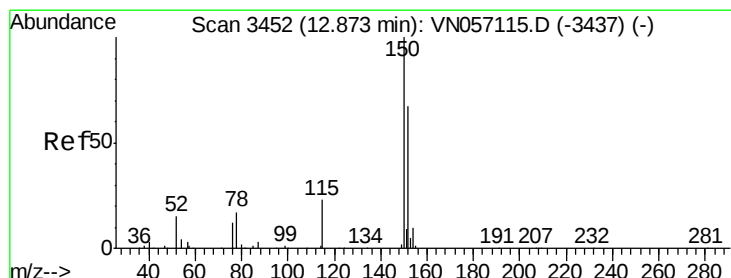
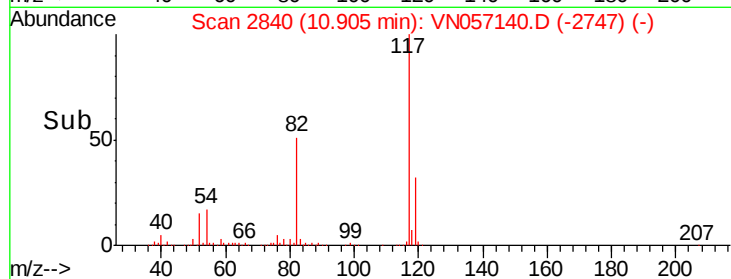
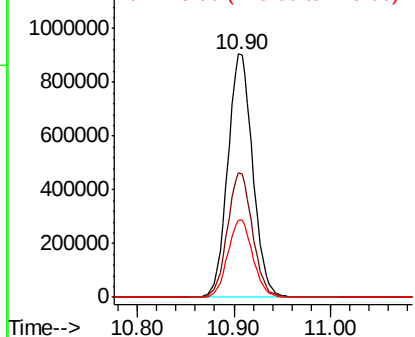
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN057140.D
Acq: 9 Aug 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
TP-17

Tgt Ion:117 Resp: 1615783
Ion Ratio Lower Upper
117 100
82 51.2 40.8 61.2
119 31.9 25.7 38.5

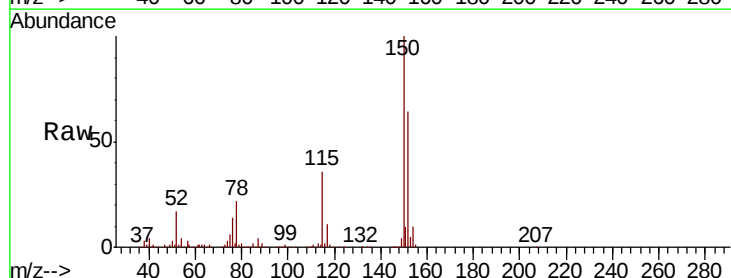


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

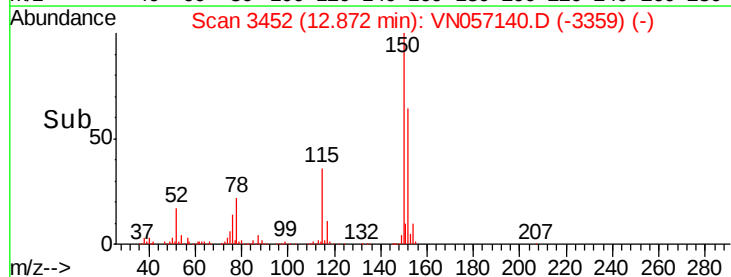
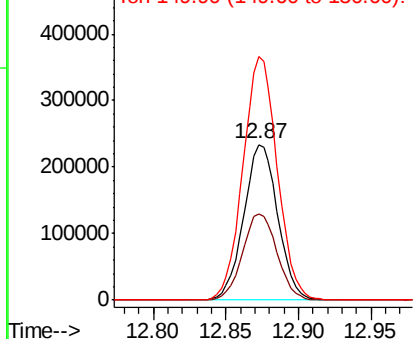


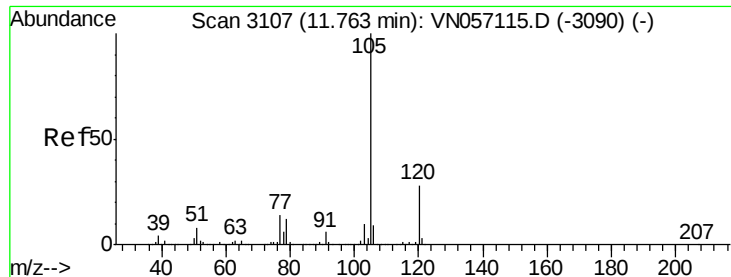
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.87 min Scan# 3452
Delta R.T. -0.00 min
Lab File: VN057140.D
Acq: 9 Aug 2019 12:36

Tgt Ion:152 Resp: 382613
Ion Ratio Lower Upper
152 100
115 56.5 27.5 82.5
150 157.7 0.0 341.6



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: 11.77 min Scan# 3109

Delta R.T. 0.01 min

Lab File: VN057140.D

Acq: 9 Aug 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

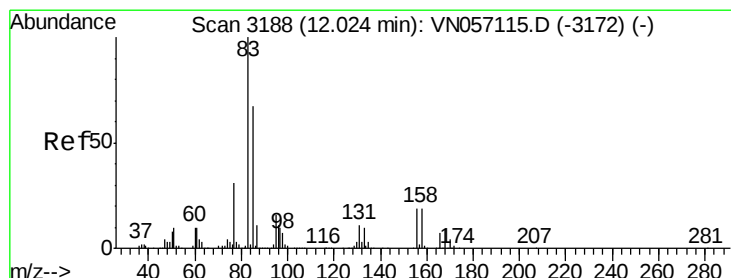
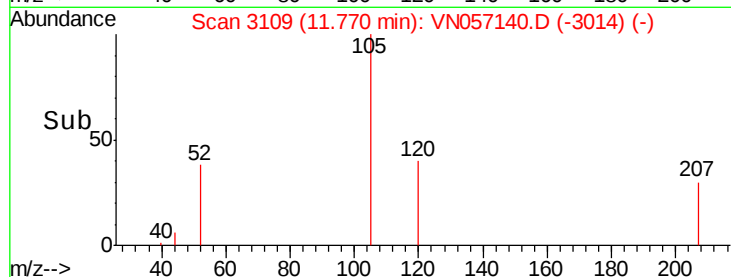
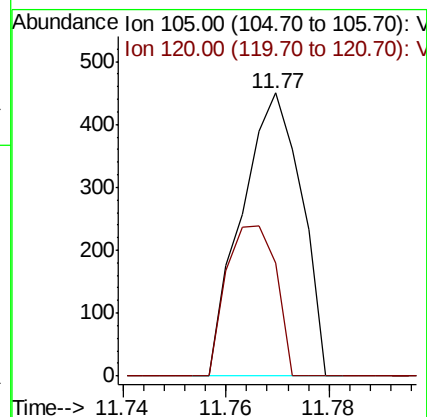
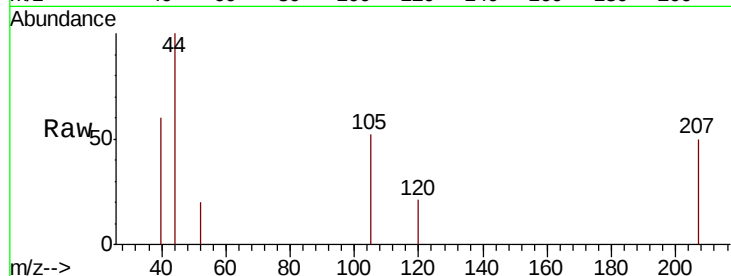
TP-17

Tgt Ion: 105 Resp: 360

Ion Ratio Lower Upper

105 100

120 44.2 13.7 41.0#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.92 min Scan# 3156

Delta R.T. -0.10 min

Lab File: VN057140.D

Acq: 9 Aug 2019 12:36

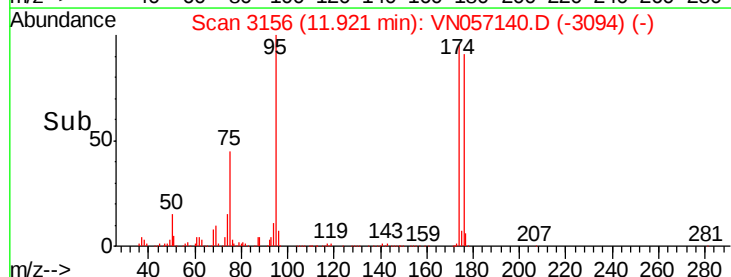
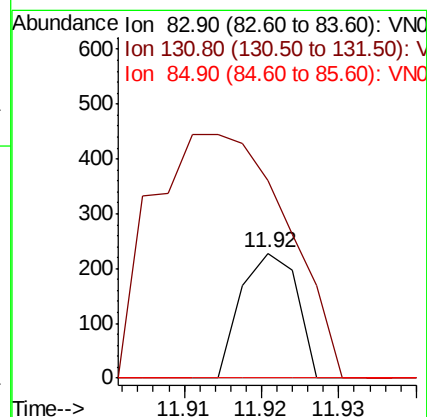
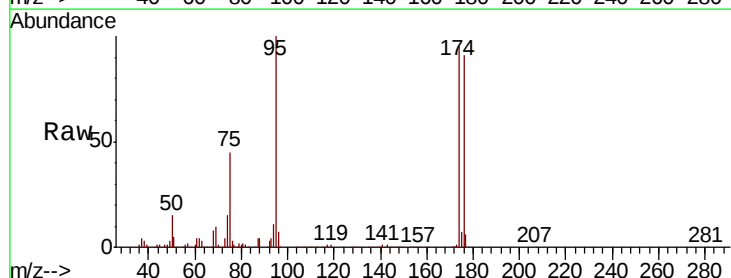
Tgt Ion: 83 Resp: 115

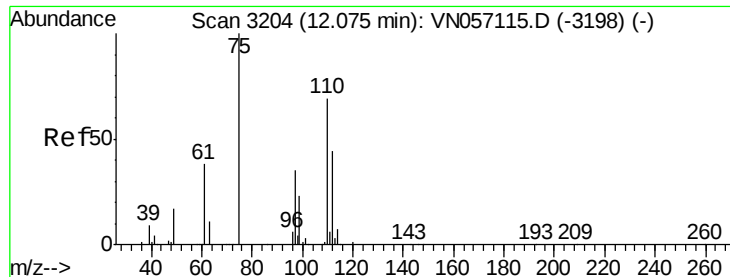
Ion Ratio Lower Upper

83 100

131 466.1 5.5 16.4#

85 0.0 32.4 97.0#

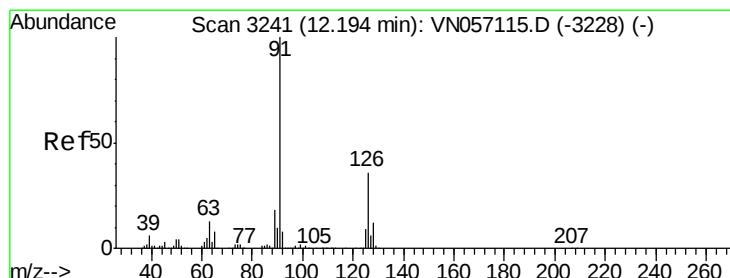
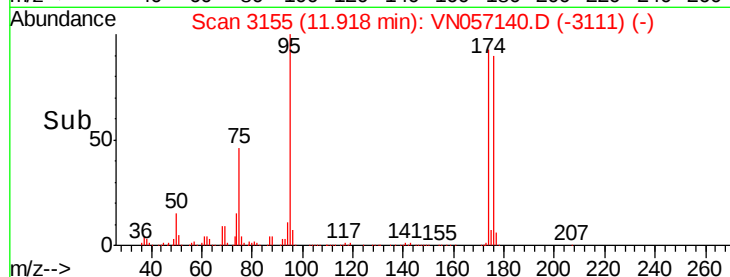
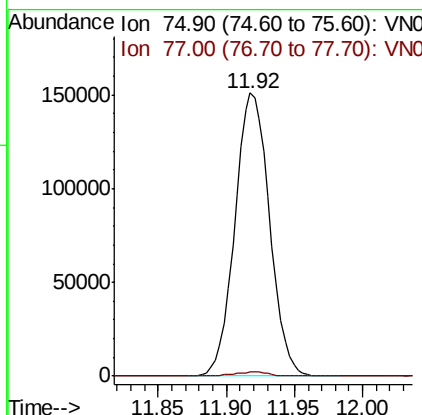
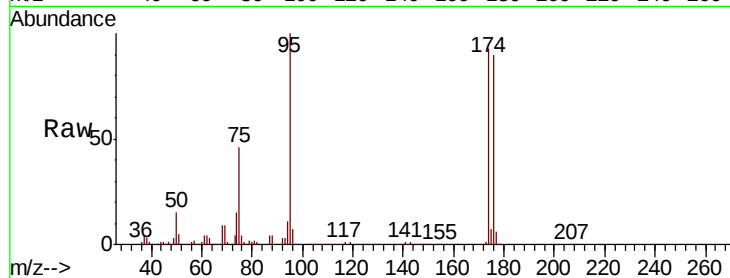




#76
 1,2,3-Trichloropropane
 Concen: 34.696 ug/l
 RT: 11.92 min Scan# 3155
 Delta R.T. -0.16 min
 Lab File: VN057140.D
 Acq: 9 Aug 2019 12:36

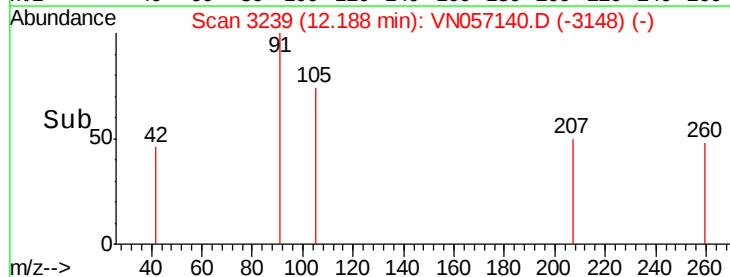
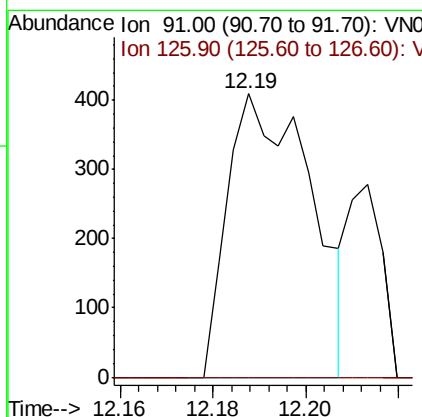
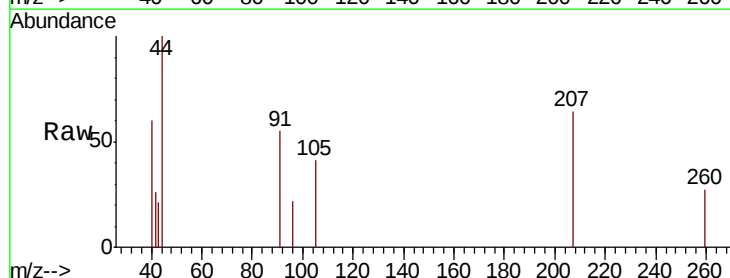
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-17

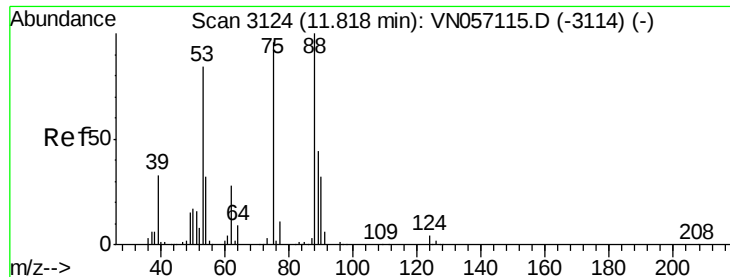
Tgt Ion: 75 Resp: 265879
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.19 min Scan# 3239
 Delta R.T. -0.01 min
 Lab File: VN057140.D
 Acq: 9 Aug 2019 12:36

Tgt Ion: 91 Resp: 508
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 102.175 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. 0.10 min

Lab File: VN057140.D

Acq: 9 Aug 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

TP-17

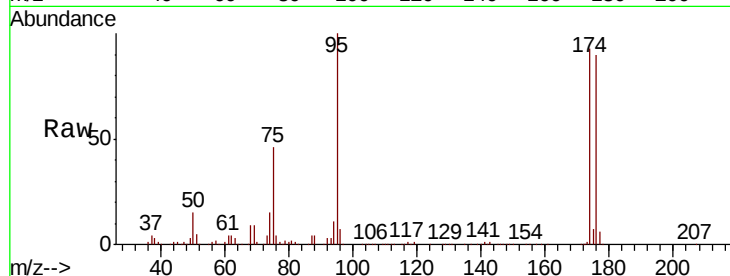
Tgt Ion: 75 Resp: 265879

Ion Ratio Lower Upper

75 100

53 0.0 70.6 106.0#

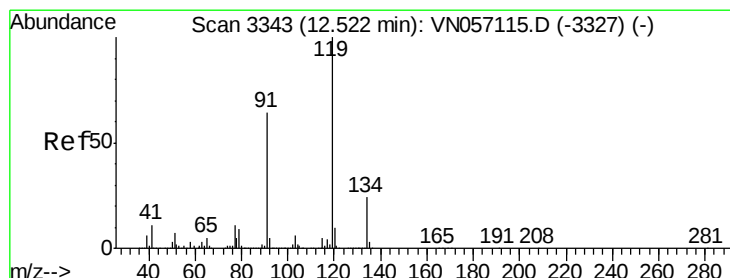
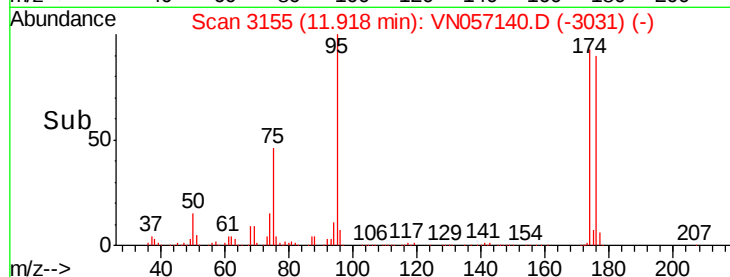
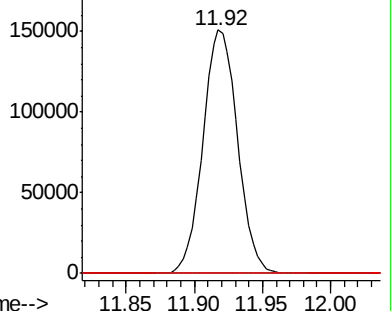
89 0.0 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VN057115.D (-3114) (-)

Ion 53.00 (52.70 to 53.70): VN057115.D (-3114) (-)

Ion 88.90 (88.60 to 89.60): VN057115.D (-3114) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057140.D

Acq: 9 Aug 2019 12:36

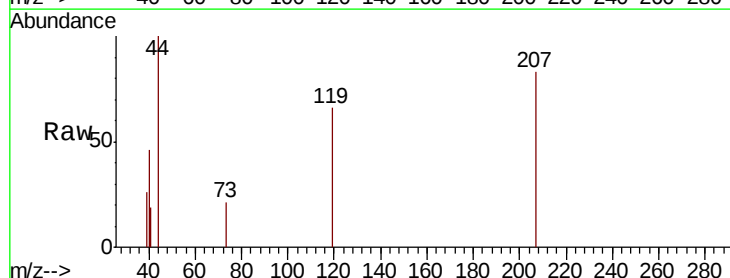
Tgt Ion: 119 Resp: 721

Ion Ratio Lower Upper

119 100

91 9.3 31.4 94.2#

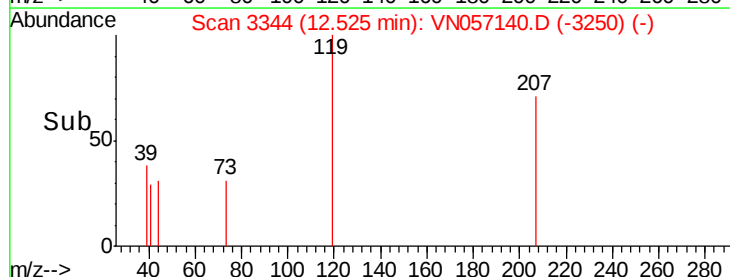
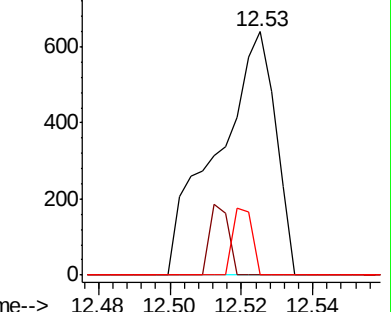
134 9.2 13.2 39.6#

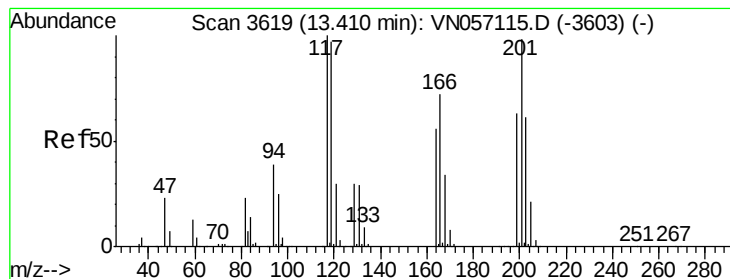


Abundance Ion 119.00 (118.70 to 119.70): VN057115.D (-3327) (-)

Ion 91.00 (90.70 to 91.70): VN057115.D (-3327) (-)

Ion 134.00 (133.70 to 134.70): VN057115.D (-3327) (-)





#90

Hexachloroethane

Concen: Below Cal

RT: 13.53 min Scan# 3657

Delta R.T. 0.12 min

Lab File: VN057140.D

Acq: 9 Aug 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

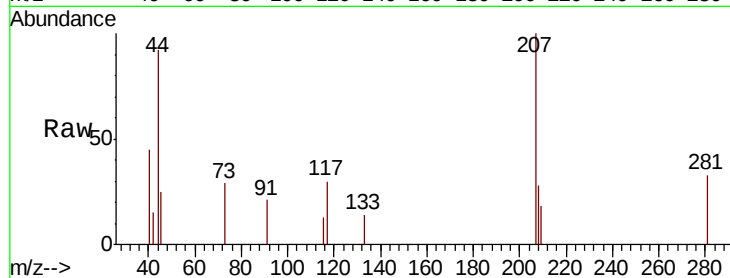
TP-17

Tgt Ion:117 Resp: 299

Ion Ratio Lower Upper

117 100

201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.53

300

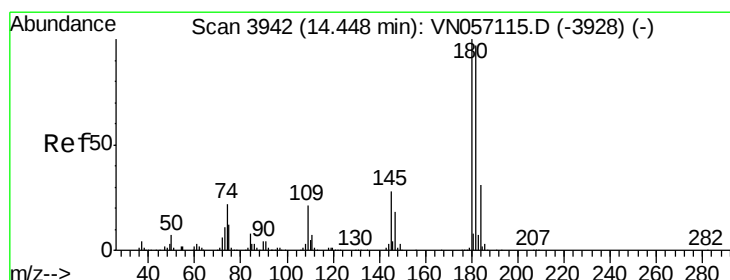
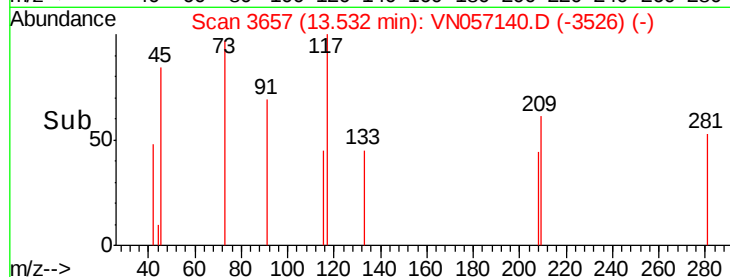
200

100

0

Time-->

13.52 13.54



#93

1,2,4-Trichlorobenzene

Concen: 6.022 ug/l

RT: 14.45 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VN057140.D

Acq: 9 Aug 2019 12:36

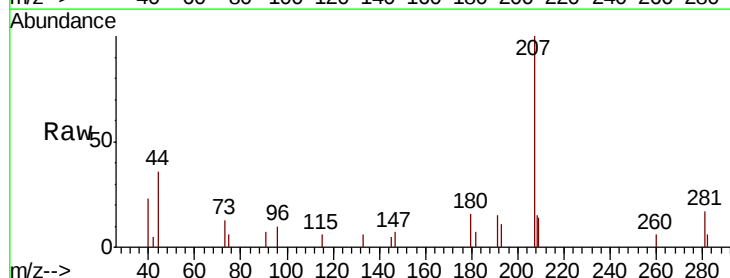
Tgt Ion:180 Resp: 579

Ion Ratio Lower Upper

180 100

182 55.1 47.5 142.6

145 19.5 14.1 42.2



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

600

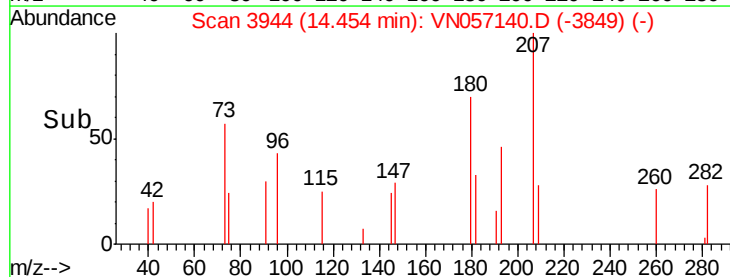
400

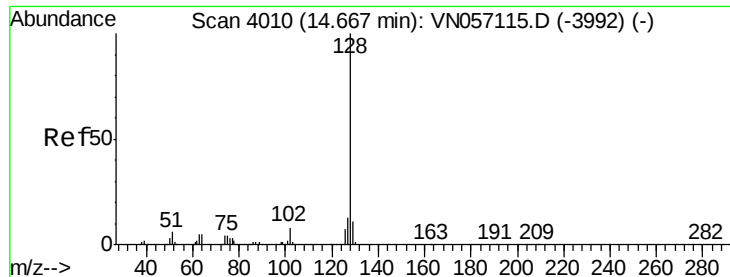
200

0

Time-->

14.42 14.44 14.46





#95

Naphthalene

Concen: 2.884 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057140.D

Acq: 9 Aug 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

TP-17

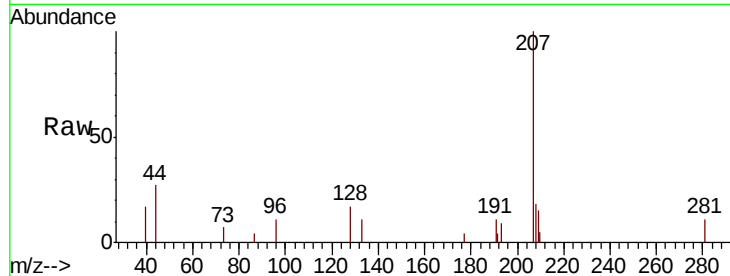
Tgt Ion:128 Resp: 804

Ion Ratio Lower Upper

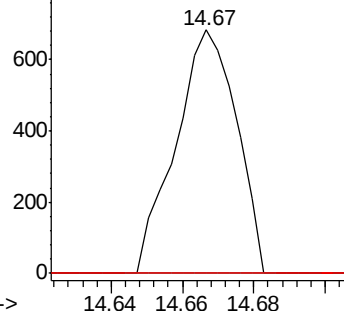
128 100

127 0.0 10.3 15.5#

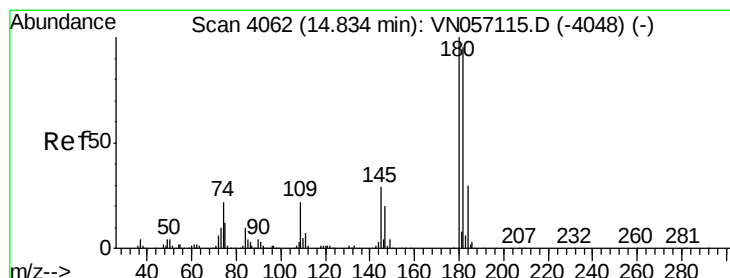
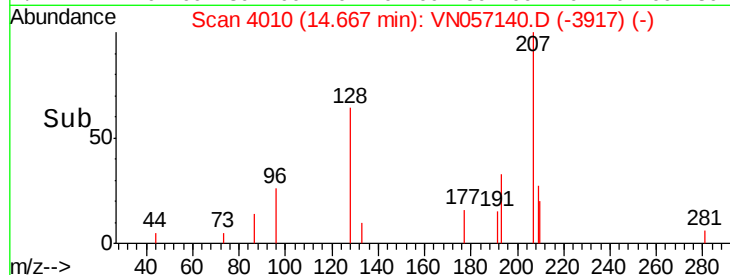
129 0.0 8.8 13.2#



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



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 5.807 ug/l

RT: 14.83 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VN057140.D

Acq: 9 Aug 2019 12:36

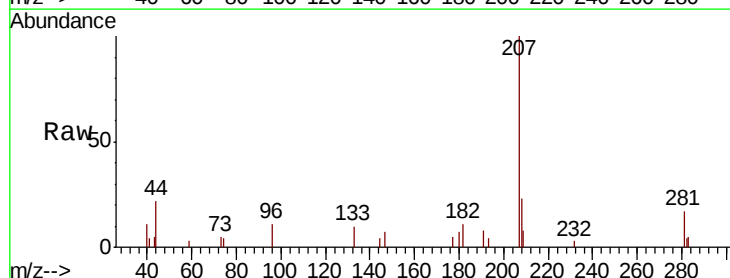
Tgt Ion:180 Resp: 556

Ion Ratio Lower Upper

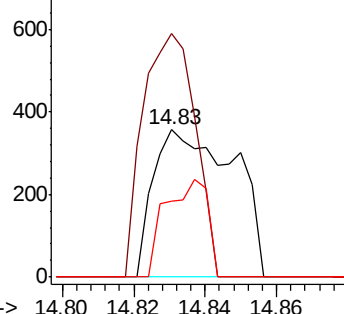
180 100

182 107.6 48.3 144.8

145 34.7 14.9 44.5



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



Time-->

