

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\
 Data File : VN054879.D
 Acq On : 1 Apr 2019 17:16
 Operator : JC/SP
 Sample : K2182-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S7C(16)

Quant Time: Apr 02 04:23:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	512332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	868596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	748547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	255670	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	346729	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
35) Dibromofluoromethane	7.59	113	278301	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
50) Toluene-d8	10.09	98	1058567	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.40	95	319820	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	

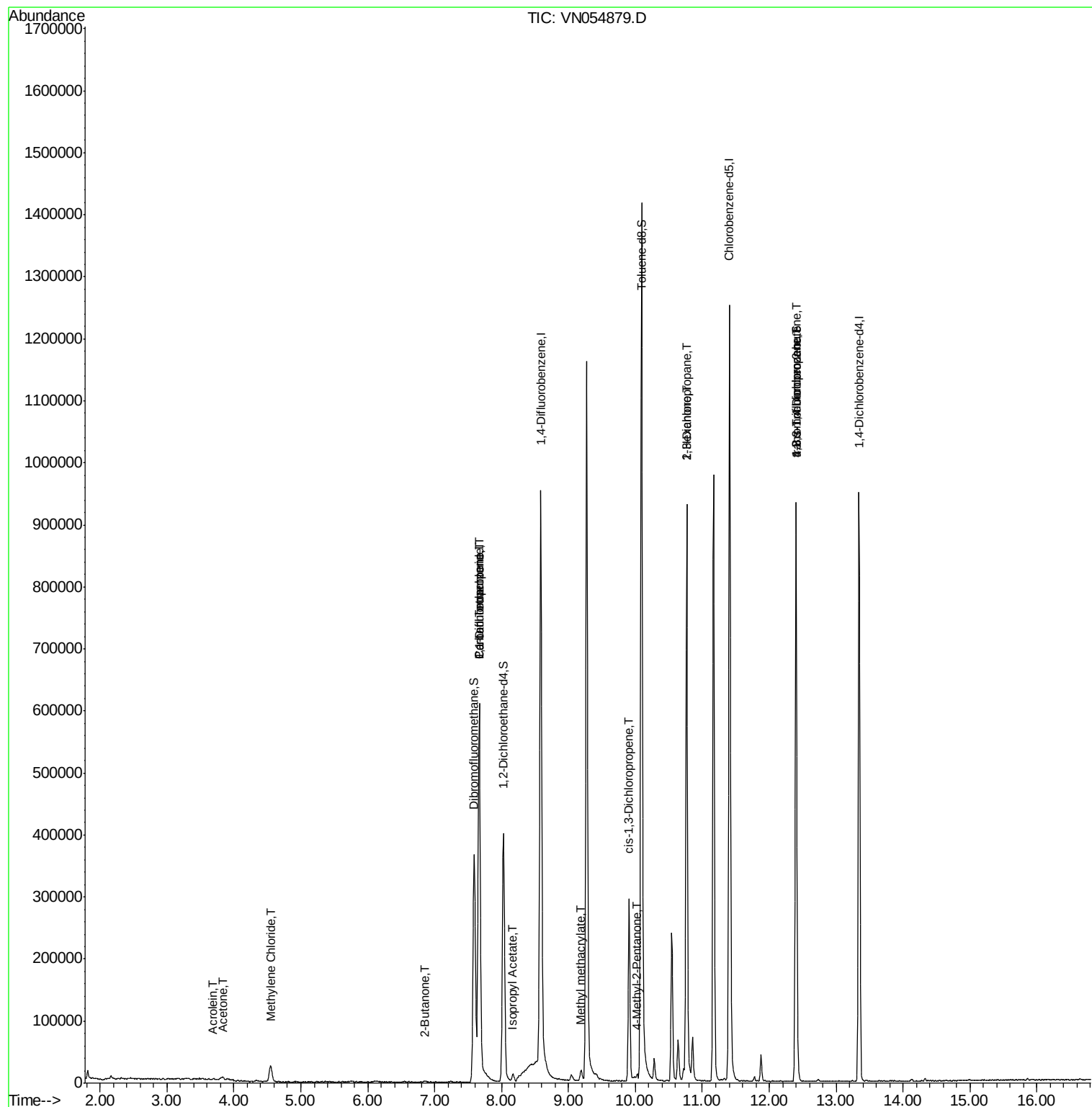
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	160	Below Cal		99
13) Acrolein	3.69	56	70	0.218	ug/l #	73
16) Acetone	3.82	43	5756	3.495	ug/l	92
18) Methyl Acetate	4.33	43	1484	Below Cal	#	89
20) Methylene Chloride	4.55	84	16473	2.836	ug/l #	75
25) 2-Butanone	6.85	43	543	0.223	ug/l #	46
31) Cyclohexane	7.66	56	11881	Below Cal	#	25
36) 1,1-Dichloropropene	7.66	75	40783	5.039	ug/l #	49
38) Carbon Tetrachloride	7.66	117	48883	6.218	ug/l #	16
43) Isopropyl Acetate	8.17	43	14447	1.498	ug/l #	94
48) Methyl methacrylate	9.18	41	6543	1.252	ug/l #	11
51) 4-Methyl-2-Pentanone	10.02	43	7319	1.350	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	47916	5.523	ug/l #	72
57) 1,3-Dichloropropane	10.76	76	9477	1.076	ug/l #	44
59) 2-Hexanone	10.77	43	155872	44.907	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.40	83	101	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	166788	37.552	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	166788	146.066	ug/l #	11

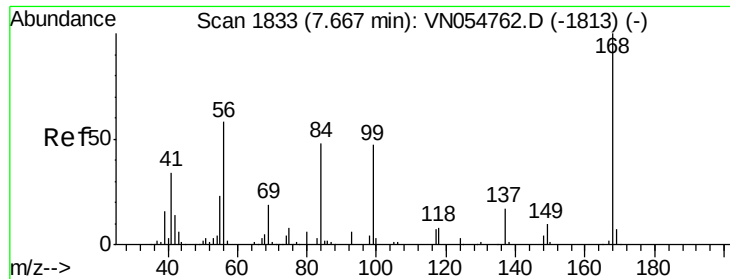
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054879.D

Acq: 1 Apr 2019 17:16

Instrument :

MSVOA_N

ClientSampleId :

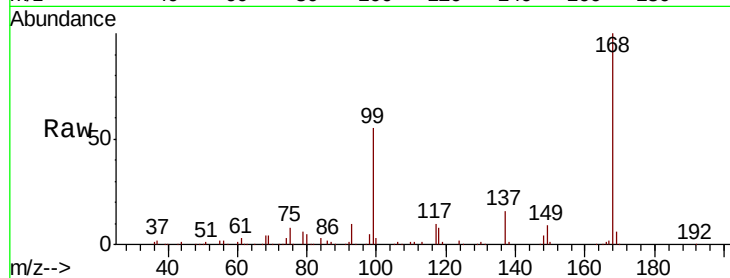
S7C(16)

Tot Ion:168 Resp: 512332

Ion Ratio Lower Upper

168 100

99 54.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054879.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054879.D (-1740) (-)

7.67

250000

200000

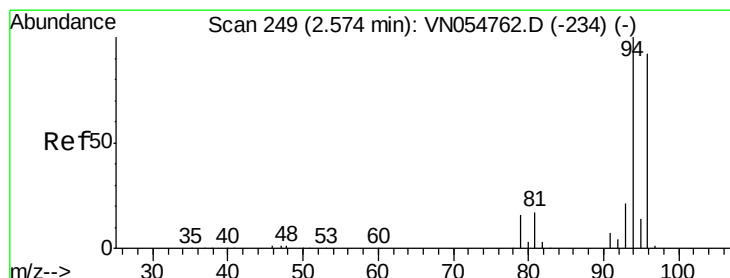
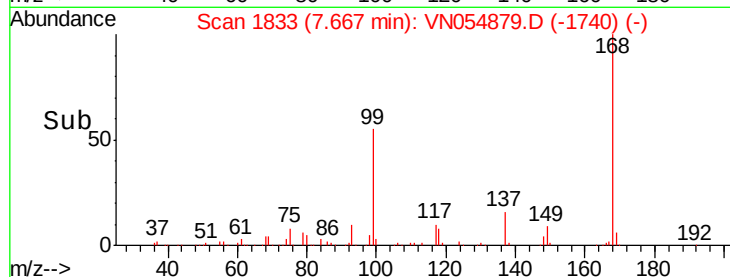
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054879.D

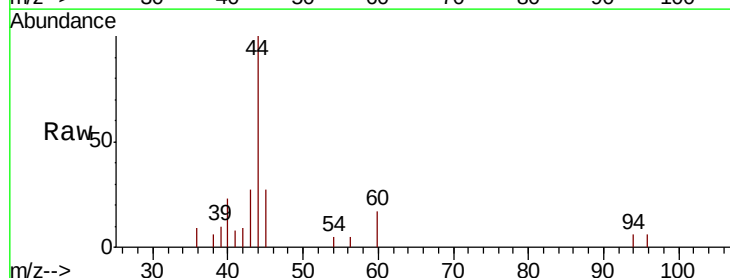
Acq: 1 Apr 2019 17:16

Tgt Ion: 94 Resp: 160

Ion Ratio Lower Upper

94 100

96 95.5 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN054879.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN054879.D (-156) (-)

250

200

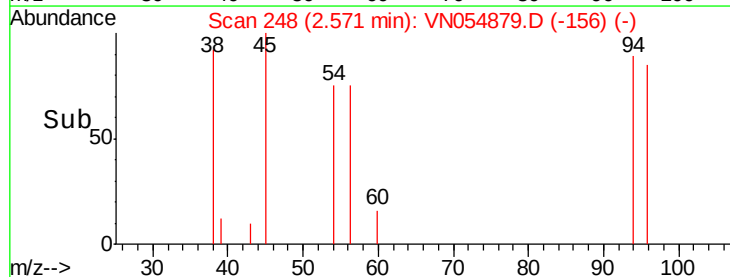
150

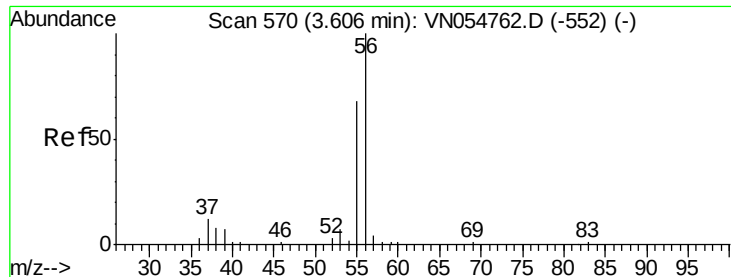
100

50

0

Time-->





#13

Acrolein

Concen: 0.218 ug/l

RT: 3.69 min Scan# 595

Delta R.T. 0.08 min

Lab File: VN054879.D

Acq: 1 Apr 2019 17:16

Instrument :

MSVOA_N

ClientSampled :

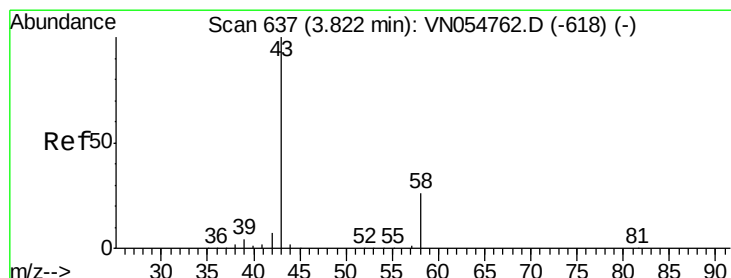
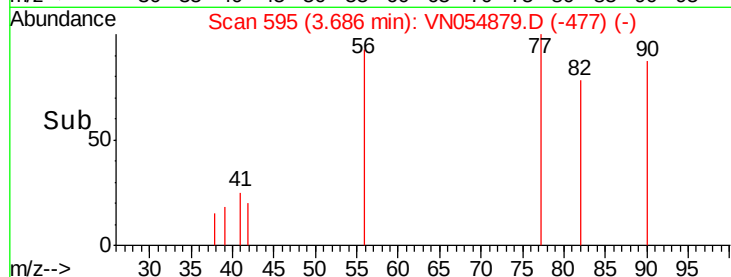
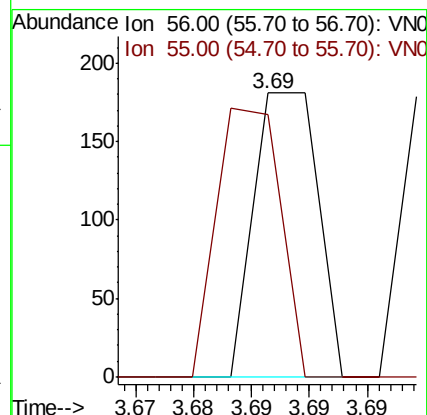
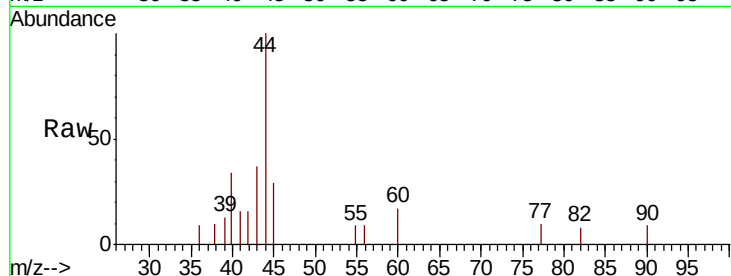
S7C(16)

Tot Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 92.9 56.7 85.1#



#16

Acetone

Concen: 3.495 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054879.D

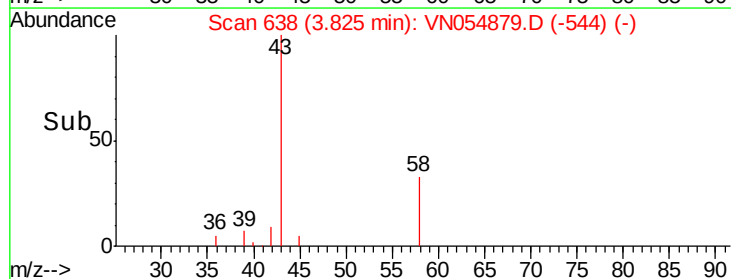
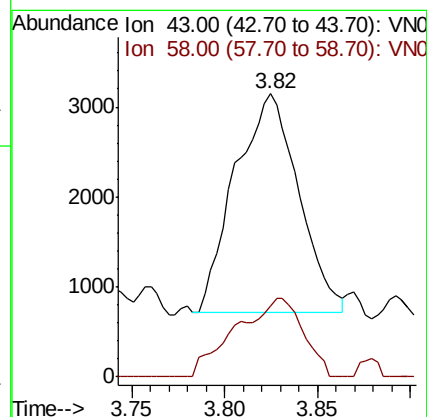
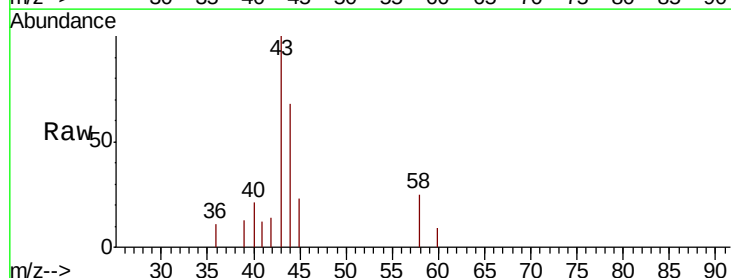
Acq: 1 Apr 2019 17:16

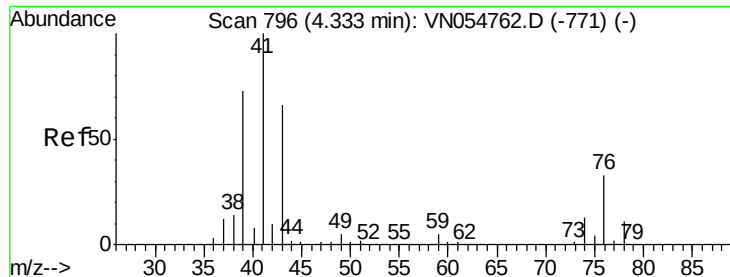
Tgt Ion: 43 Resp: 5756

Ion Ratio Lower Upper

43 100

58 32.8 29.9 44.9

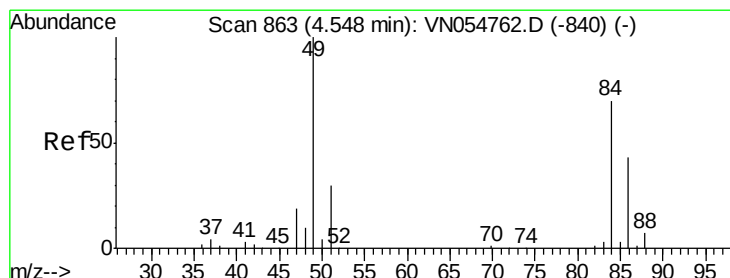
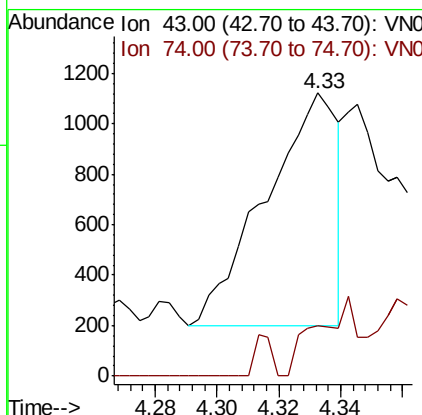
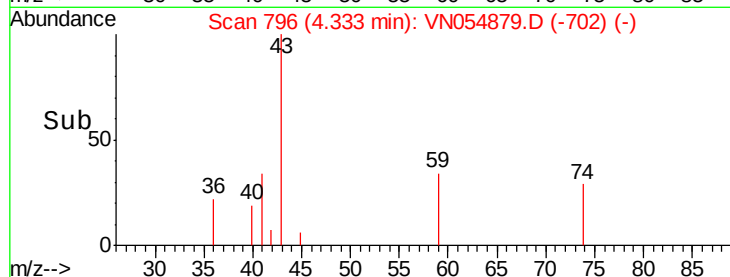
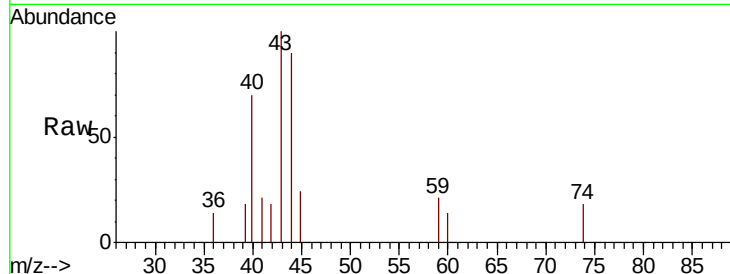




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054879.D
Acq: 1 Apr 2019 17:16

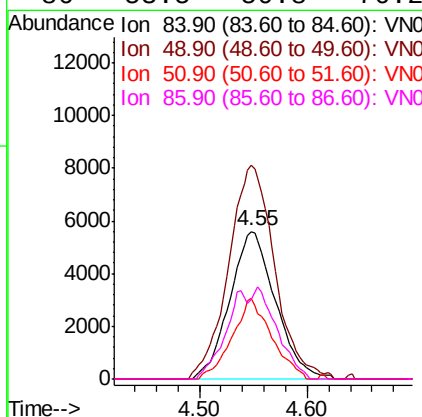
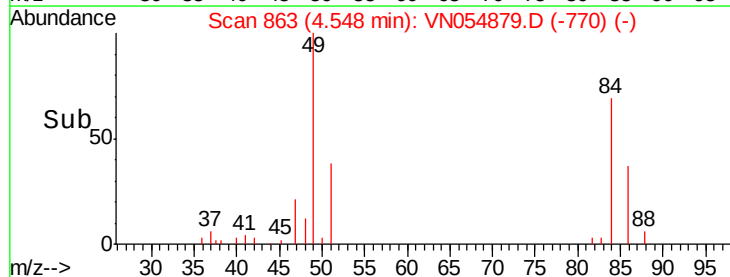
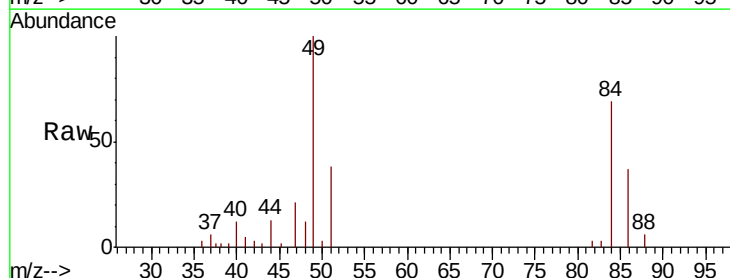
Instrument :
MSVOA_N
ClientSampled :
S7C(16)

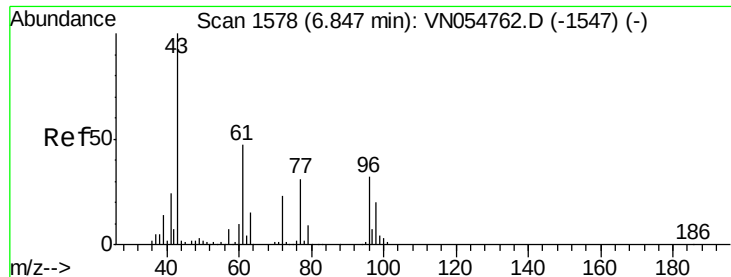
Tot Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
74 20.3 20.8 31.2#



#20
Methylene Chloride
Concen: 2.836 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054879.D
Acq: 1 Apr 2019 17:16

Tgt Ion: 84 Resp: 16473
Ion Ratio Lower Upper
84 100
49 144.5 89.7 134.5#
51 54.4 28.2 42.4#
86 53.5 50.8 76.2





#25

2-Butanone

Concen: 0.223 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054879.D

Acq: 1 Apr 2019 17:16

Instrument :

MSVOA_N

ClientSampleId :

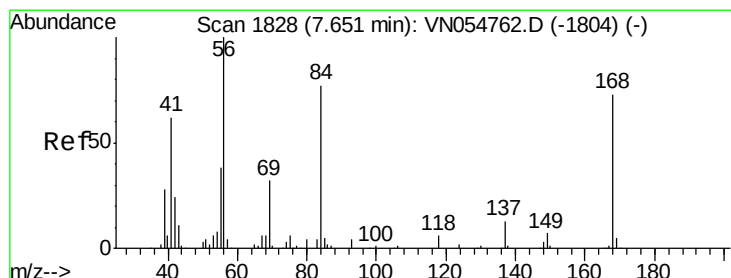
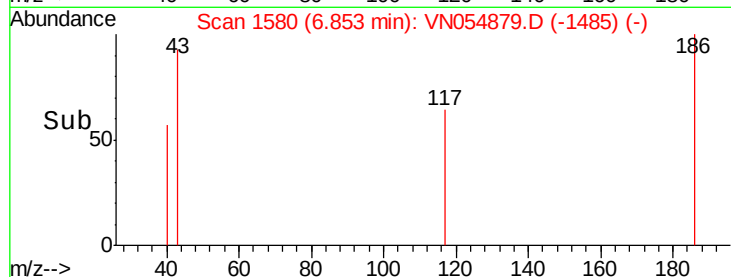
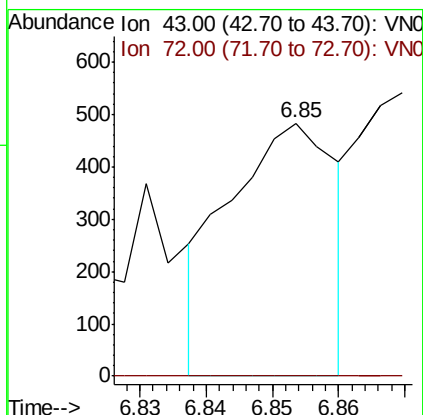
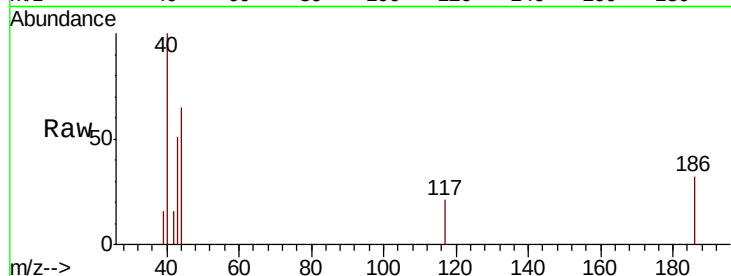
S7C(16)

Tot Ion: 43 Resp: 543

Ion Ratio Lower Upper

43 100

72 0.0 23.0 34.6#



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054879.D

Acq: 1 Apr 2019 17:16

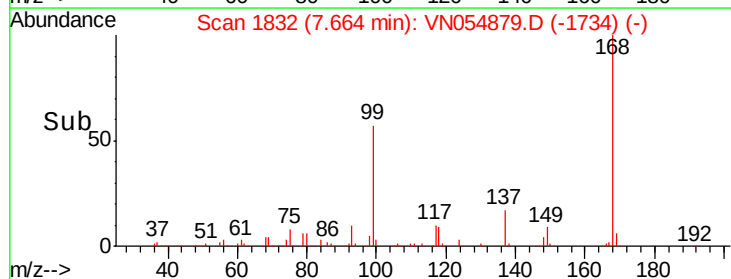
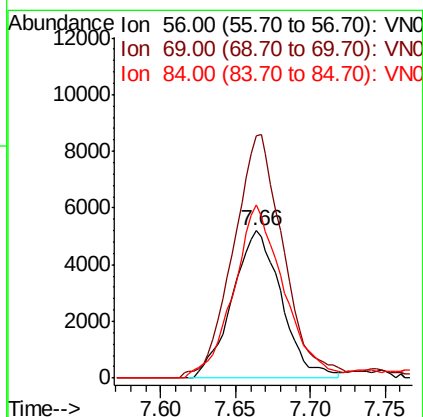
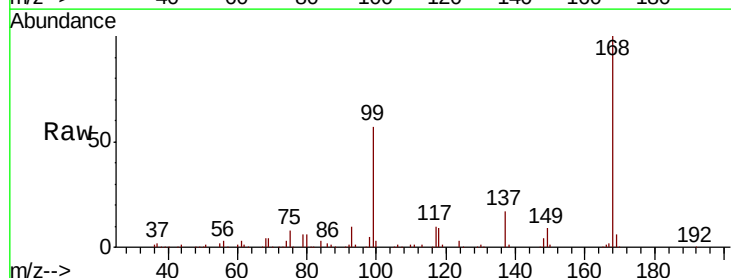
Tgt Ion: 56 Resp: 11881

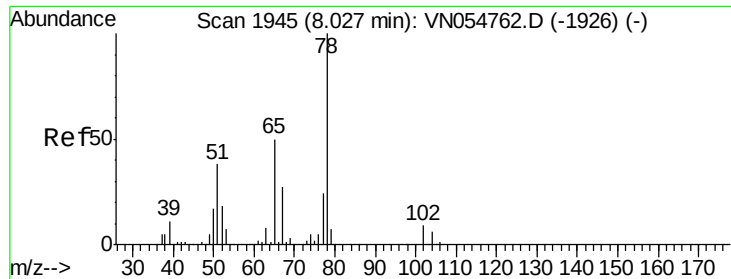
Ion Ratio Lower Upper

56 100

69 160.3 27.8 41.6#

84 114.7 74.6 111.8#

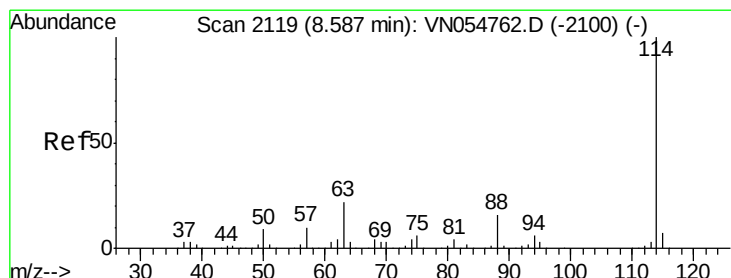
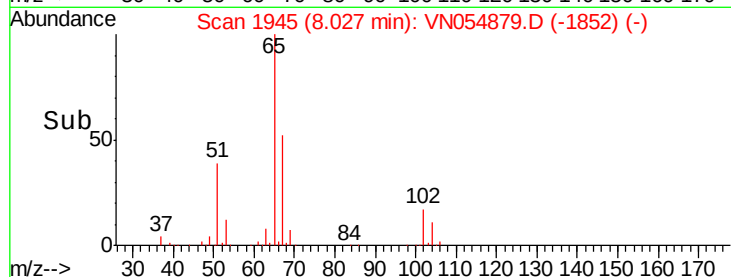
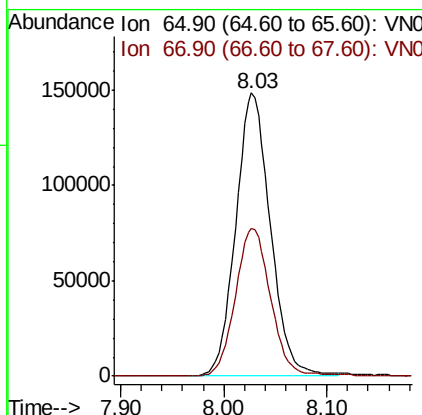
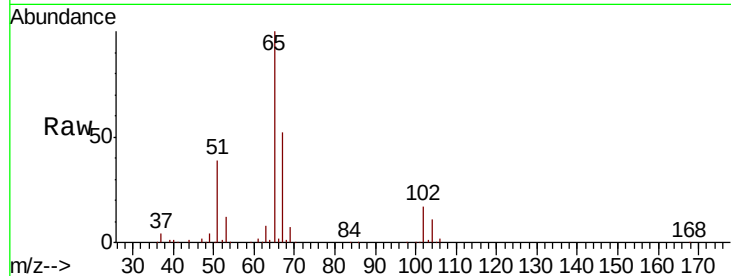




#33
 1,2-Dichloroethane-d4
 Concen: 50.204 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054879.D
 Acq: 1 Apr 2019 17:16

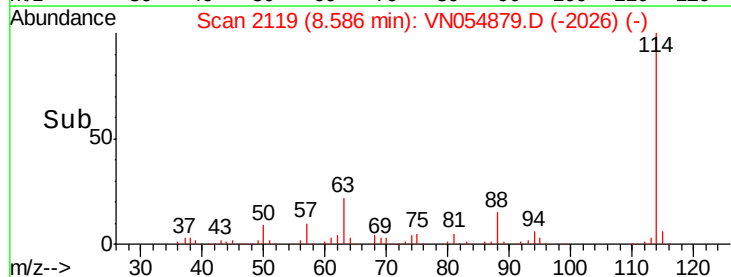
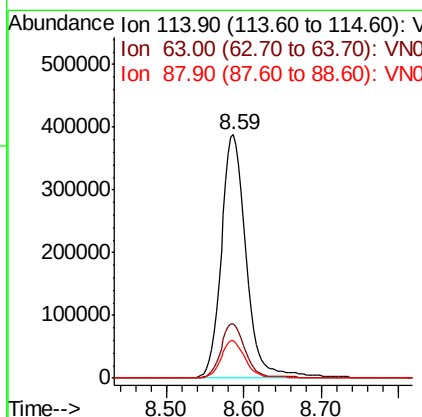
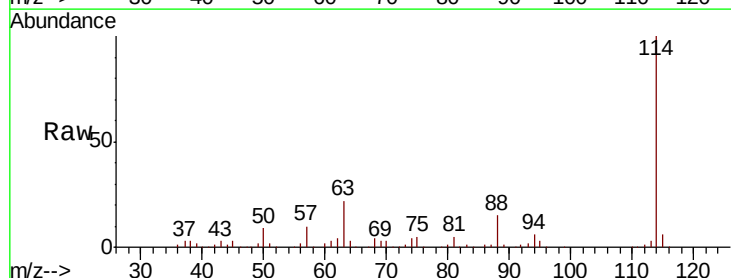
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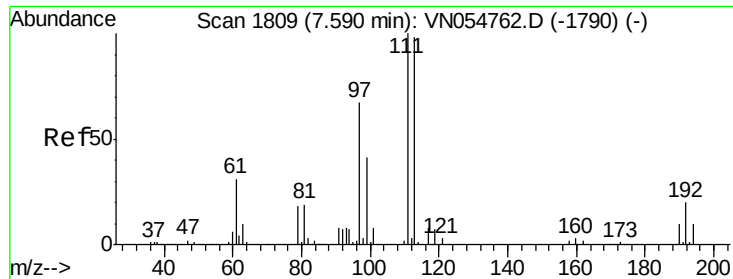
Tot Ion: 65 Resp: 346729
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054879.D
 Acq: 1 Apr 2019 17:16

Tgt Ion: 114 Resp: 868596
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 35.2
 88 15.4 0.0 30.2

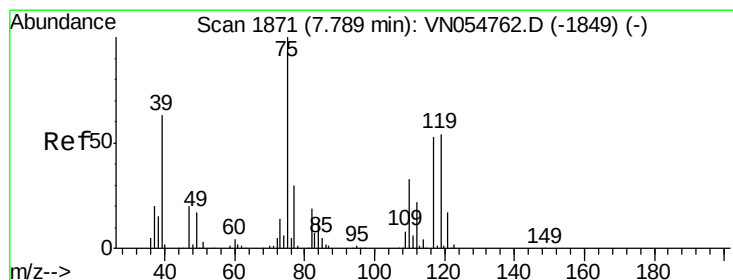
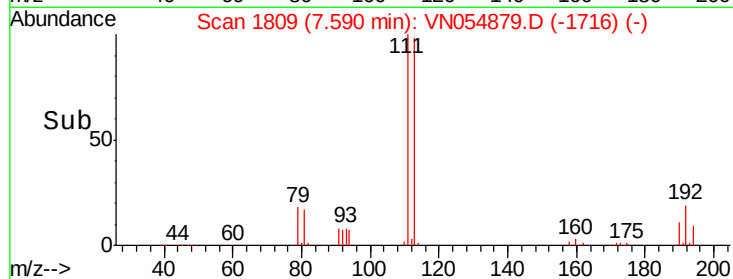
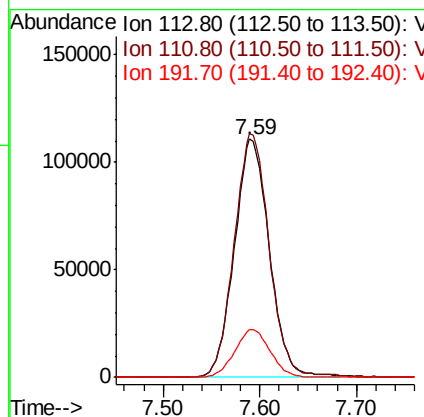
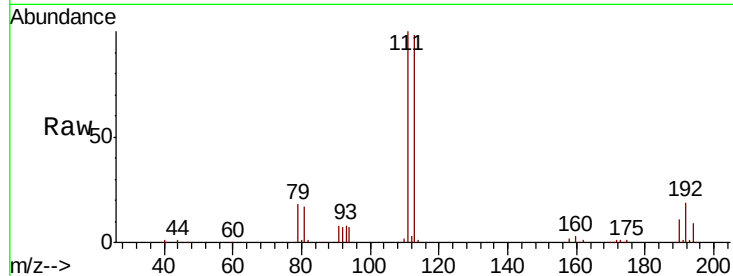




#35
 Dibromofluoromethane
 Concen: 48.059 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054879.D
 Acq: 1 Apr 2019 17:16

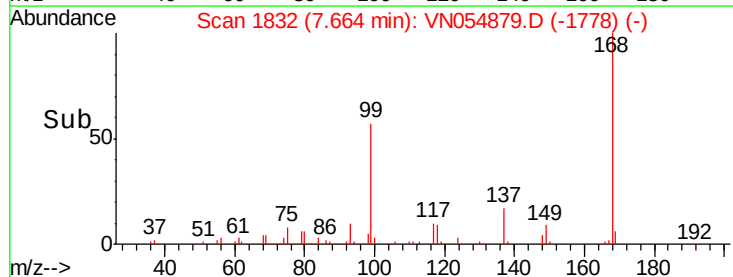
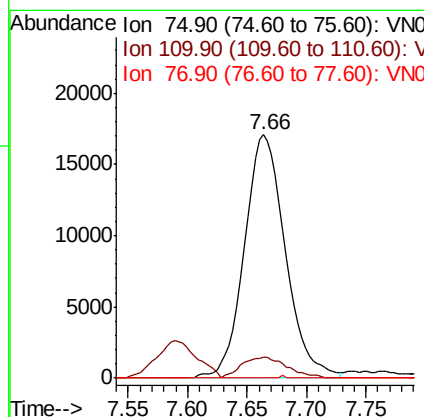
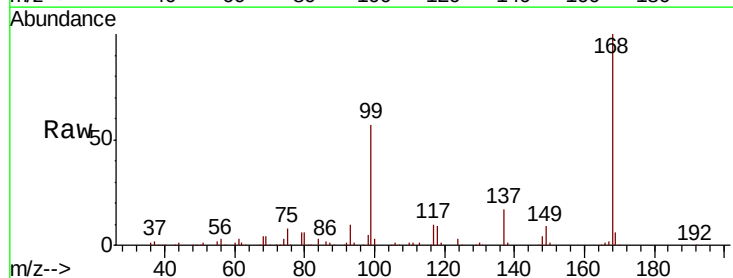
Instrument :
 MSVOA_N
 ClientSampled :
 S7C(16)

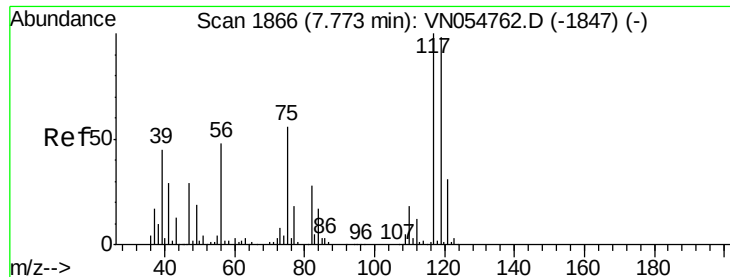
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	20.4	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 5.039 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054879.D
 Acq: 1 Apr 2019 17:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.1	57.5#
77	0.1	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.218 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054879.D

Acq: 1 Apr 2019 17:16

Instrument :

MSVOA_N

ClientSampled :

S7C(16)

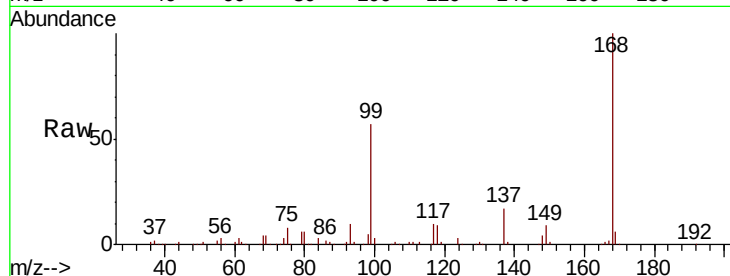
Tot Ion:117 Resp: 48883

Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

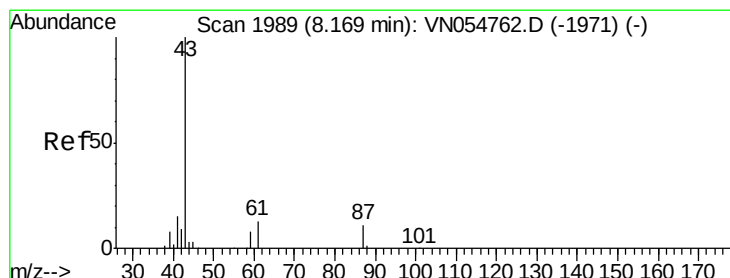
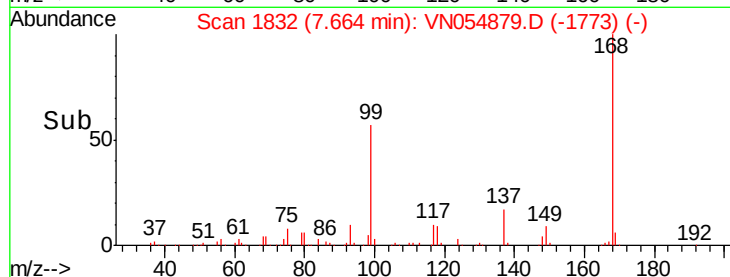
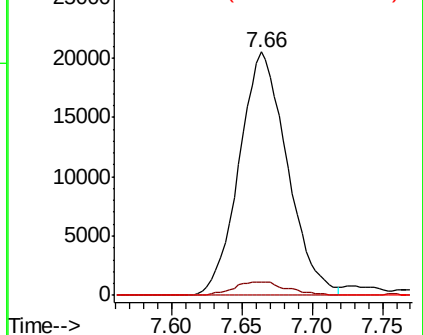
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 1.498 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054879.D

Acq: 1 Apr 2019 17:16

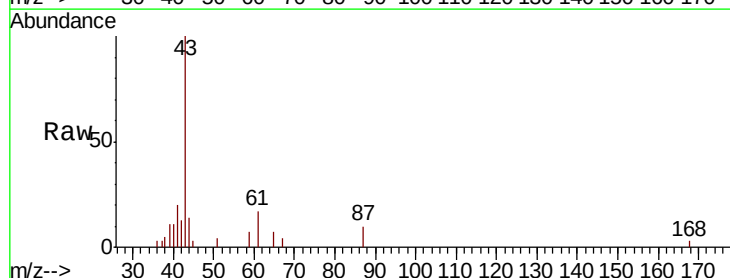
Tgt Ion: 43 Resp: 14447

Ion Ratio Lower Upper

43 100

61 18.8 15.8 23.8

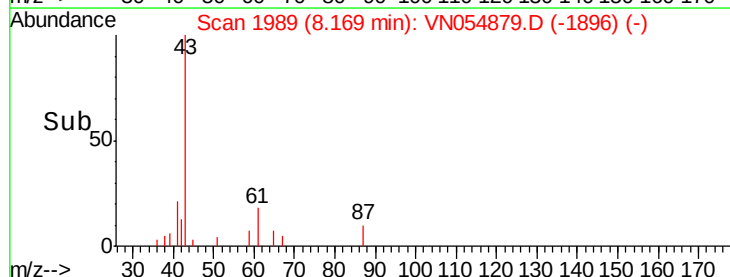
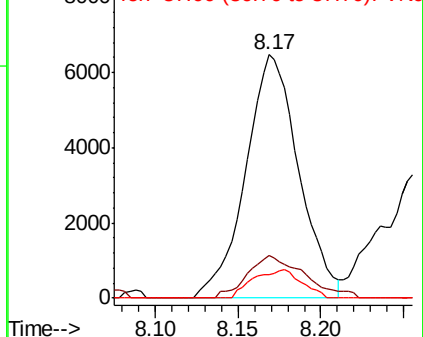
87 10.7 12.0 18.0#

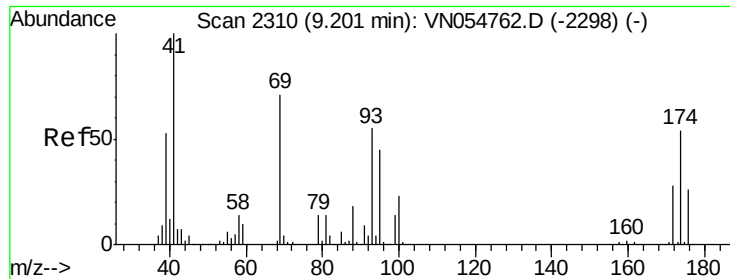


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

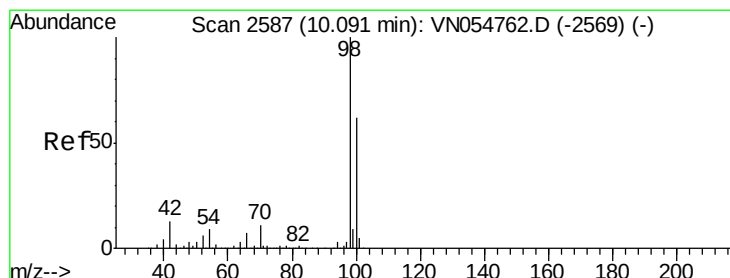
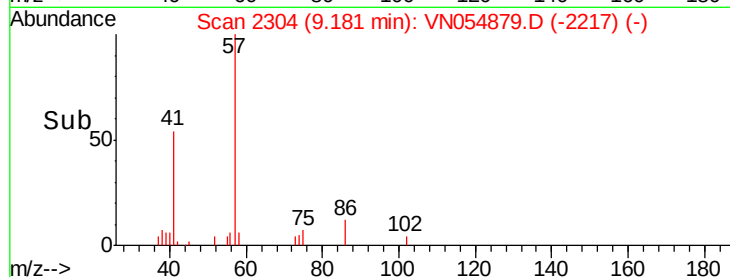
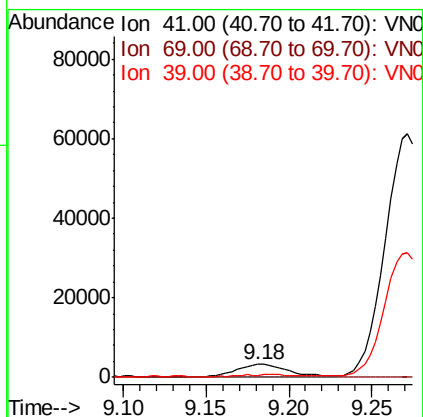
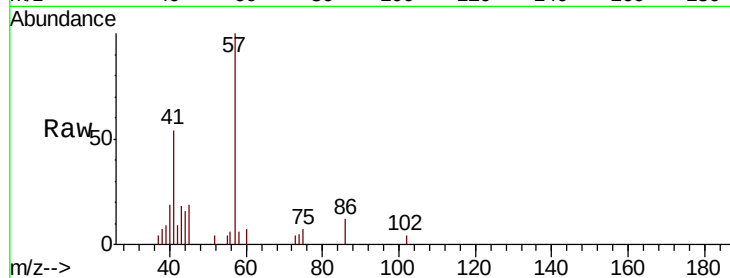




#48
Methvl methacrylate
Concen: 1.252 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN054879.D
Acq: 1 Apr 2019 17:16

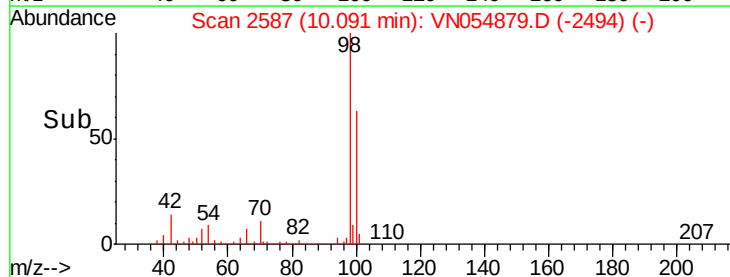
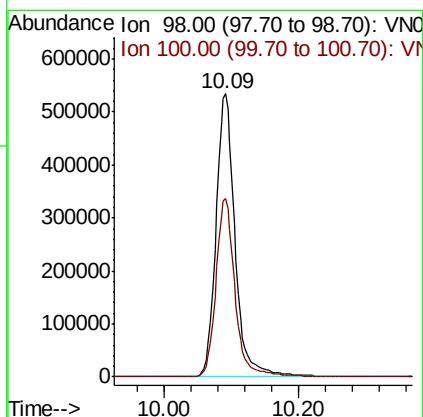
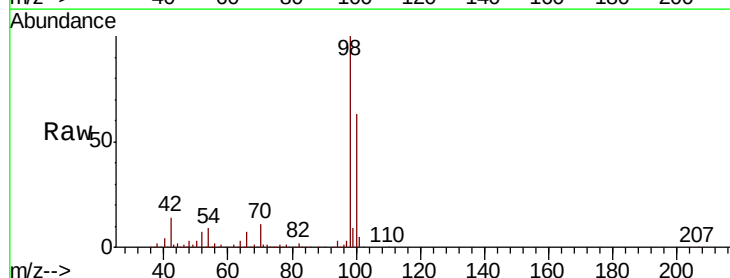
Instrument :
MSVOA_N
ClientSampled :
S7C(16)

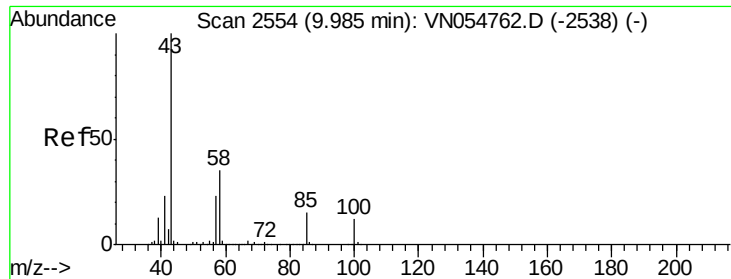
Tot Ion: 41 Resp: 6543
Ion Ratio Lower Upper
41 100
69 0.0 72.6 108.8#
39 0.0 47.5 71.3#



#50
Toluene-d8
Concen: 49.169 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054879.D
Acq: 1 Apr 2019 17:16

Tgt Ion: 98 Resp: 1058567
Ion Ratio Lower Upper
98 100
100 63.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 1.350 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN054879.D

Acq: 1 Apr 2019 17:16

Instrument :

MSVOA_N

ClientSampled :

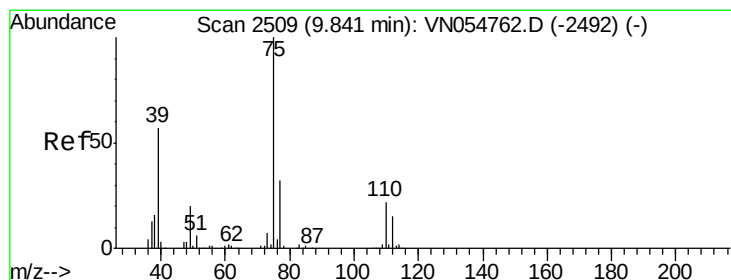
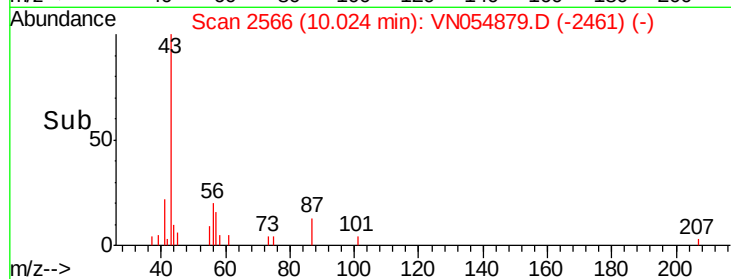
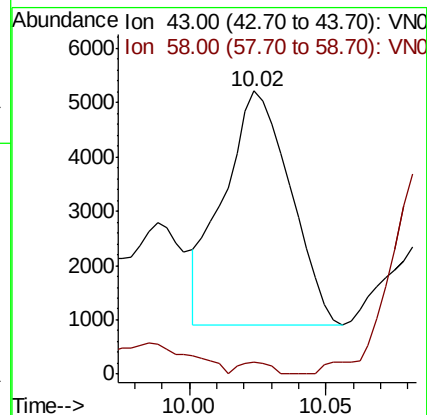
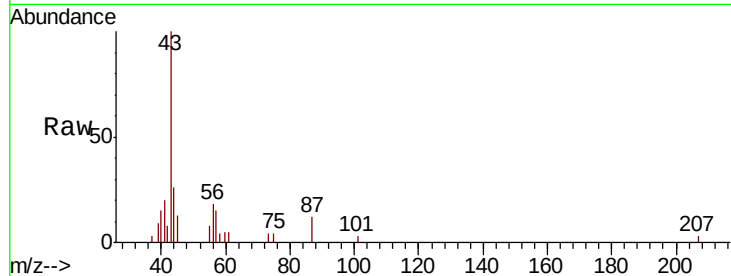
S7C(16)

Tot Ion: 43 Resp: 7319

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 5.523 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054879.D

Acq: 1 Apr 2019 17:16

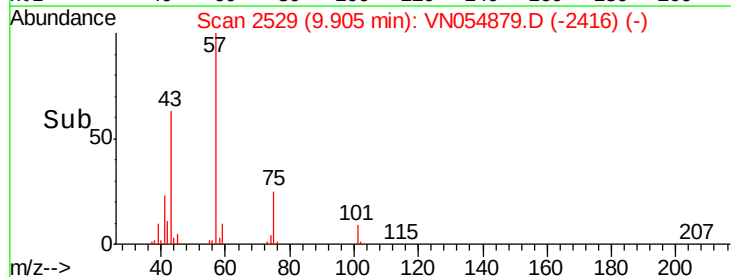
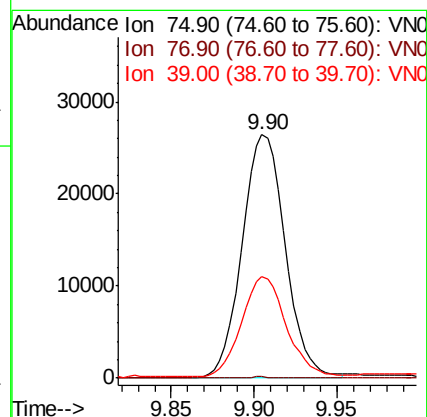
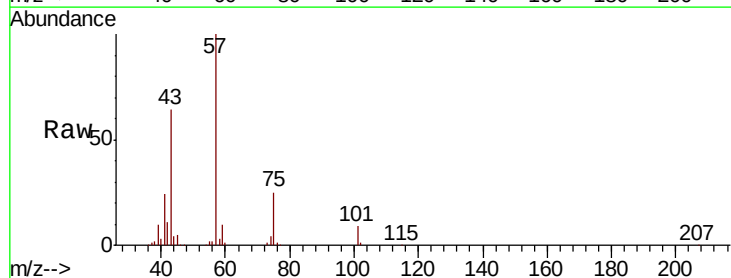
Tgt Ion: 75 Resp: 47916

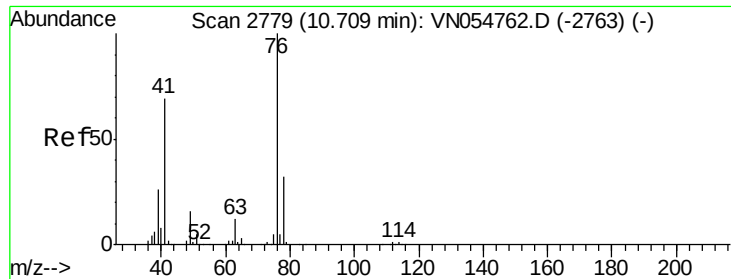
Ion Ratio Lower Upper

75 100

77 0.6 25.4 38.0#

39 40.7 37.2 55.8

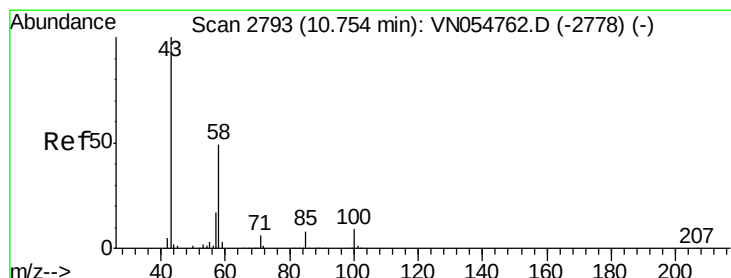
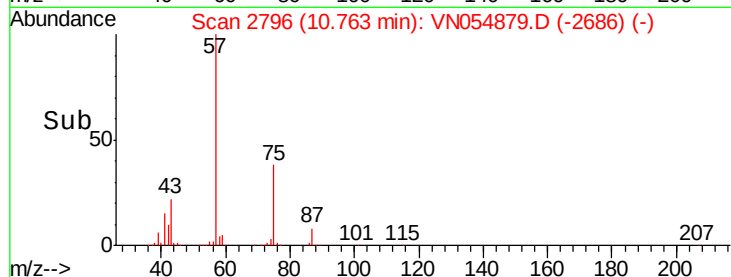
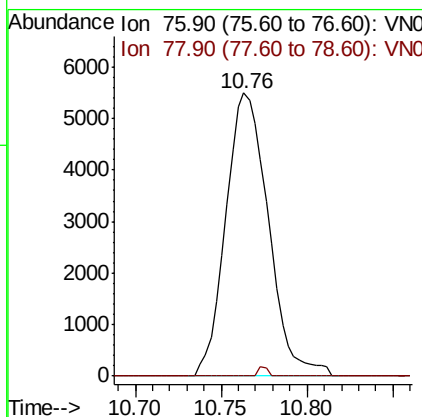
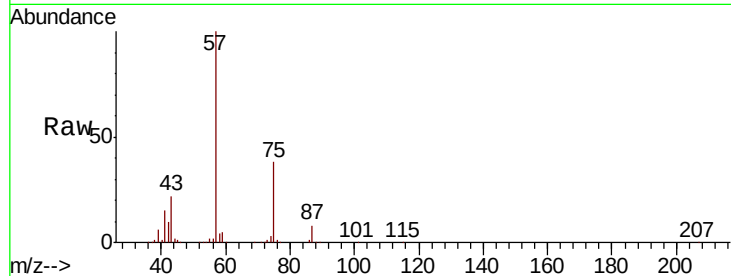




#57
 1,3-Dichloropropane
 Concen: 1.076 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN054879.D
 Acq: 1 Apr 2019 17:16

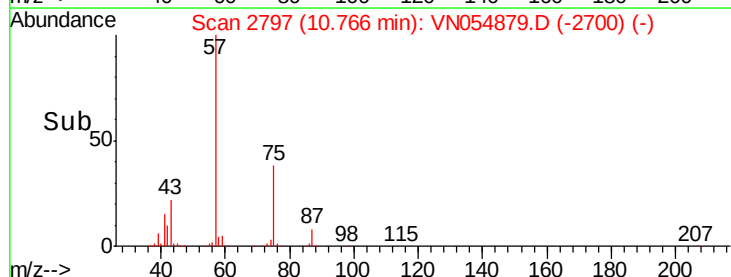
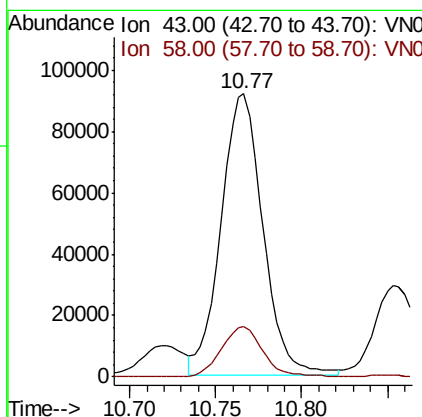
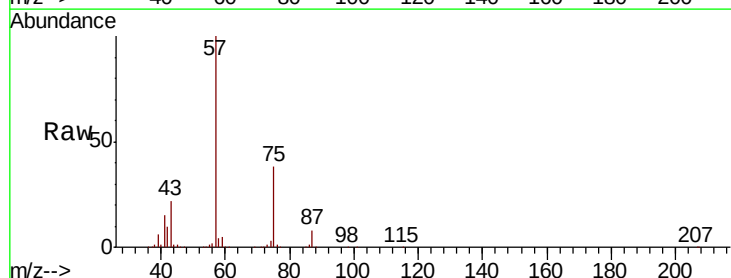
Instrument :
 MSVOA_N
 ClientSampleId :
 S7C(16)

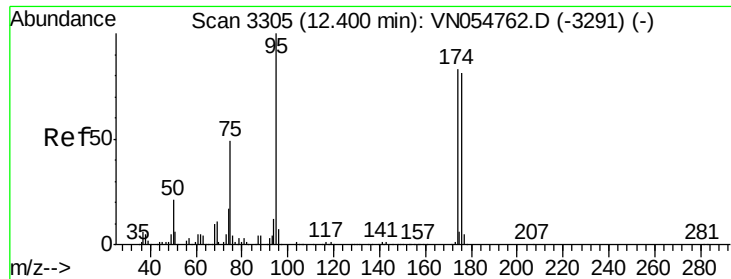
Tot Ion: 76 Resp: 9477
 Ion Ratio Lower Upper
 76 100
 78 0.7 25.7 38.5#



#59
 2-Hexanone
 Concen: 44.907 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN054879.D
 Acq: 1 Apr 2019 17:16

Tgt Ion: 43 Resp: 155872
 Ion Ratio Lower Upper
 43 100
 58 18.0 28.0 83.9#

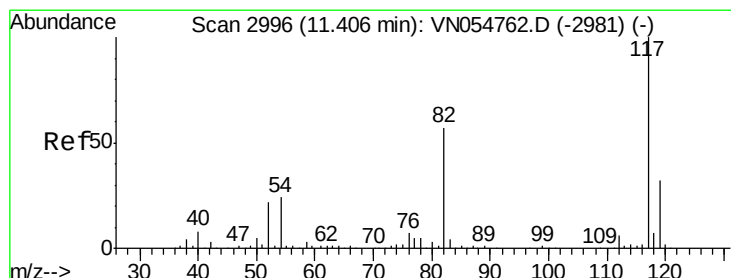
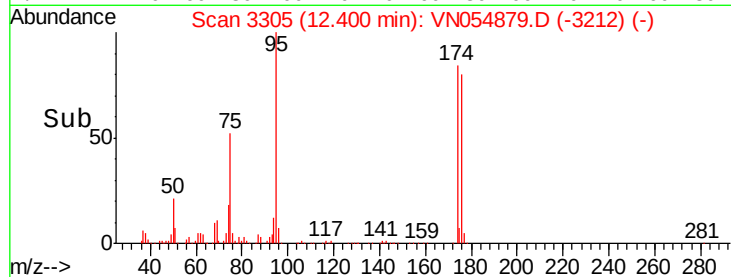
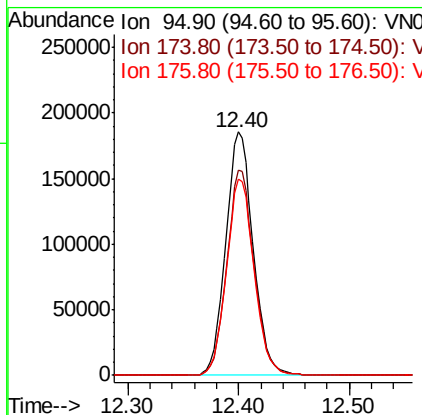
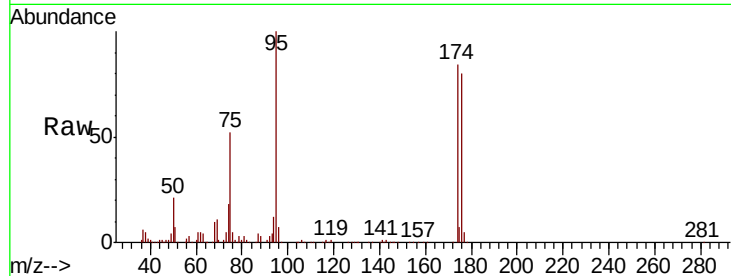




#62
4-Bromofluorobenzene
Concen: 44.667 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054879.D
Acq: 1 Apr 2019 17:16

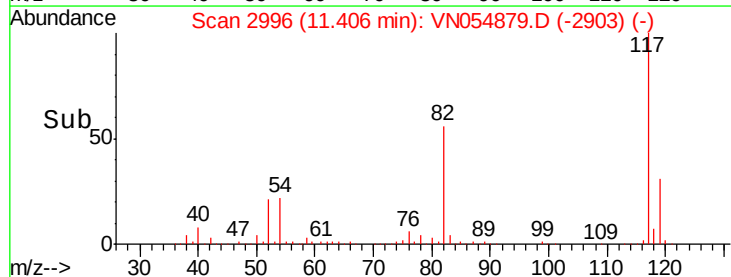
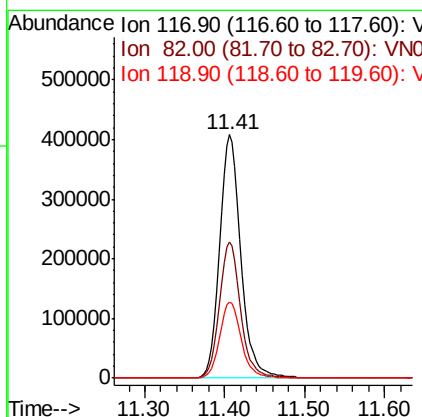
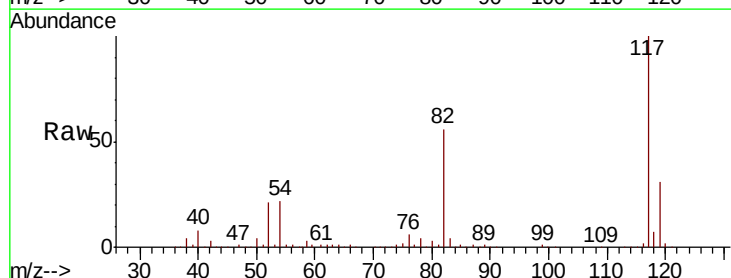
Instrument :
MSVOA_N
ClientSampleId :
S7C(16)

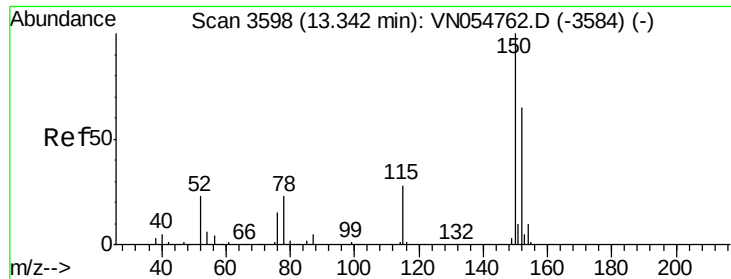
Tot Ion: 95 Resp: 319820
Ion Ratio Lower Upper
95 100
174 83.8 0.0 191.0
176 81.3 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054879.D
Acq: 1 Apr 2019 17:16

Tgt Ion: 117 Resp: 748547
Ion Ratio Lower Upper
117 100
82 55.9 40.0 60.0
119 31.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054879.D

Acq: 1 Apr 2019 17:16

Instrument :

MSVOA_N

ClientSampled :

S7C(16)

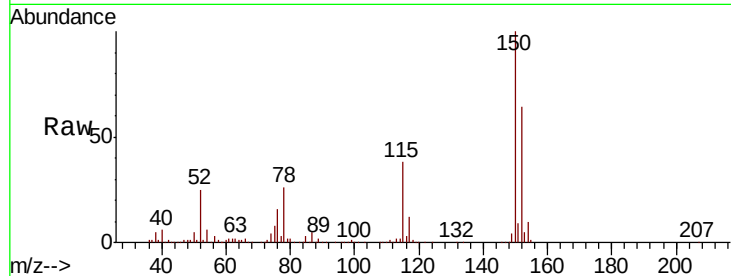
Tot Ion:152 Resp: 255670

Ion Ratio Lower Upper

152 100

115 57.7 27.2 81.6

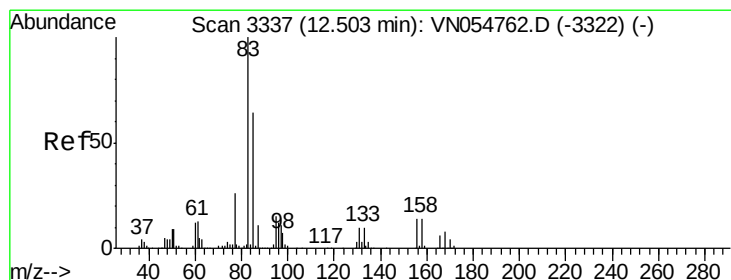
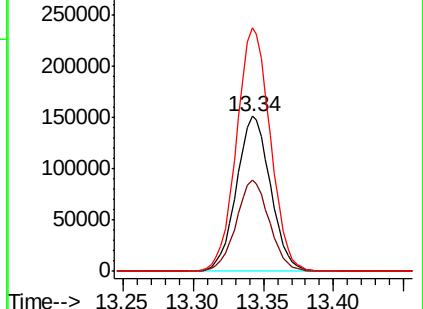
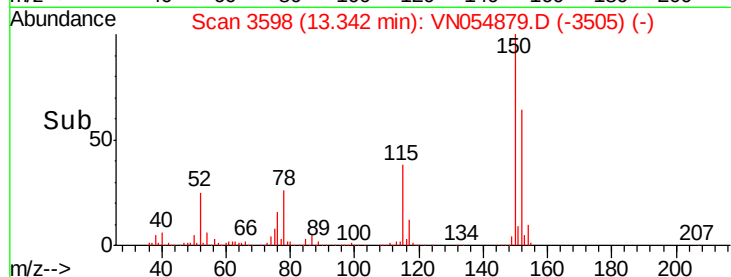
150 156.0 0.0 349.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.11 min

Lab File: VN054879.D

Acq: 1 Apr 2019 17:16

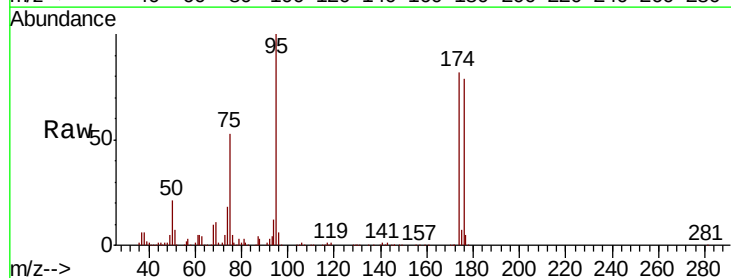
Tgt Ion: 83 Resp: 101

Ion Ratio Lower Upper

83 100

131 221.8 5.8 17.4#

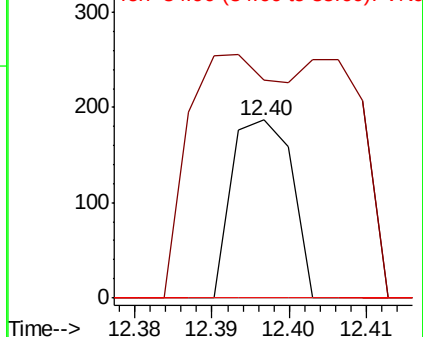
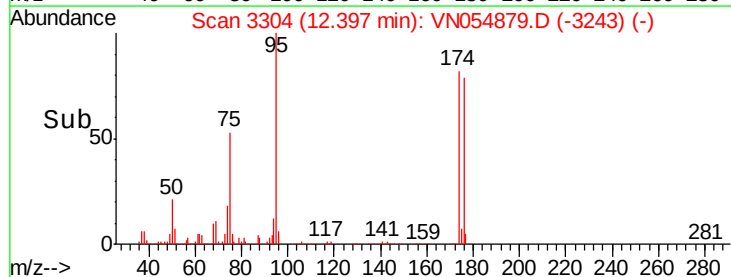
85 0.0 32.2 96.6#

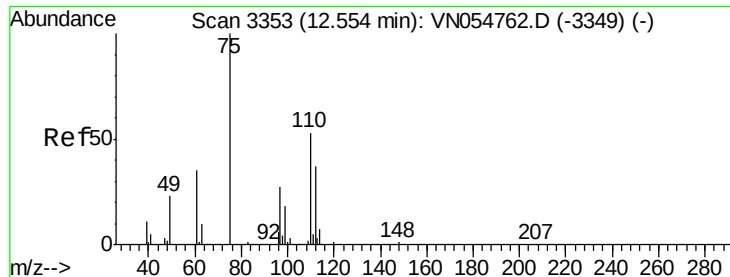


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.552 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054879.D

Acq: 1 Apr 2019 17:16

Instrument :

MSVOA_N

ClientSampled :

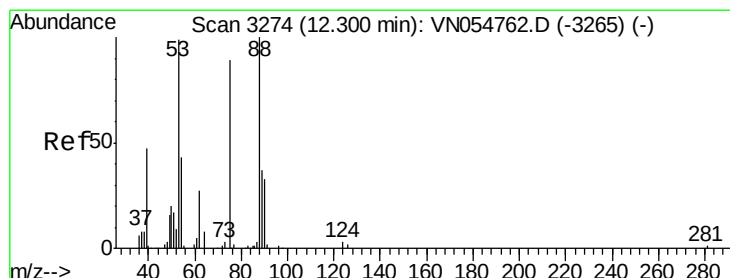
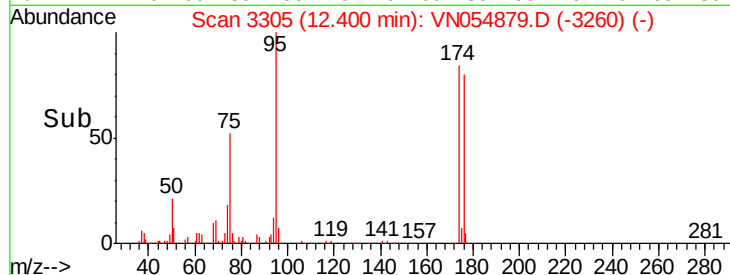
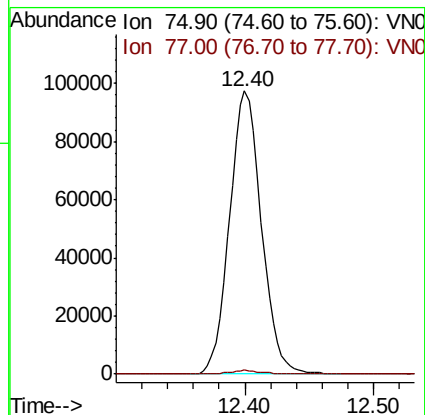
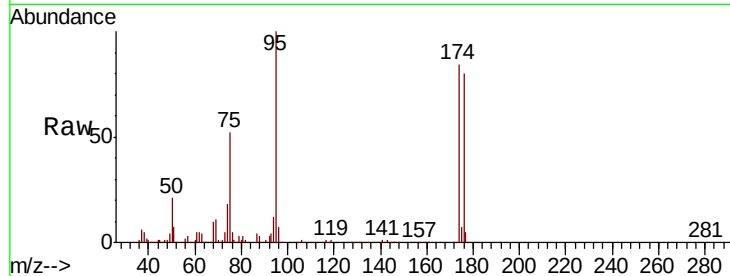
S7C(16)

Tot Ion: 75 Resp: 166788

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 146.066 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054879.D

Acq: 1 Apr 2019 17:16

Tgt Ion: 75 Resp: 166788

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#

