

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058016.D
 Acq On : 13 Sep 2019 14:14
 Operator : JC/SP
 Sample : K4866-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SUMP-PIT

Quant Time: Sep 14 02:19:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

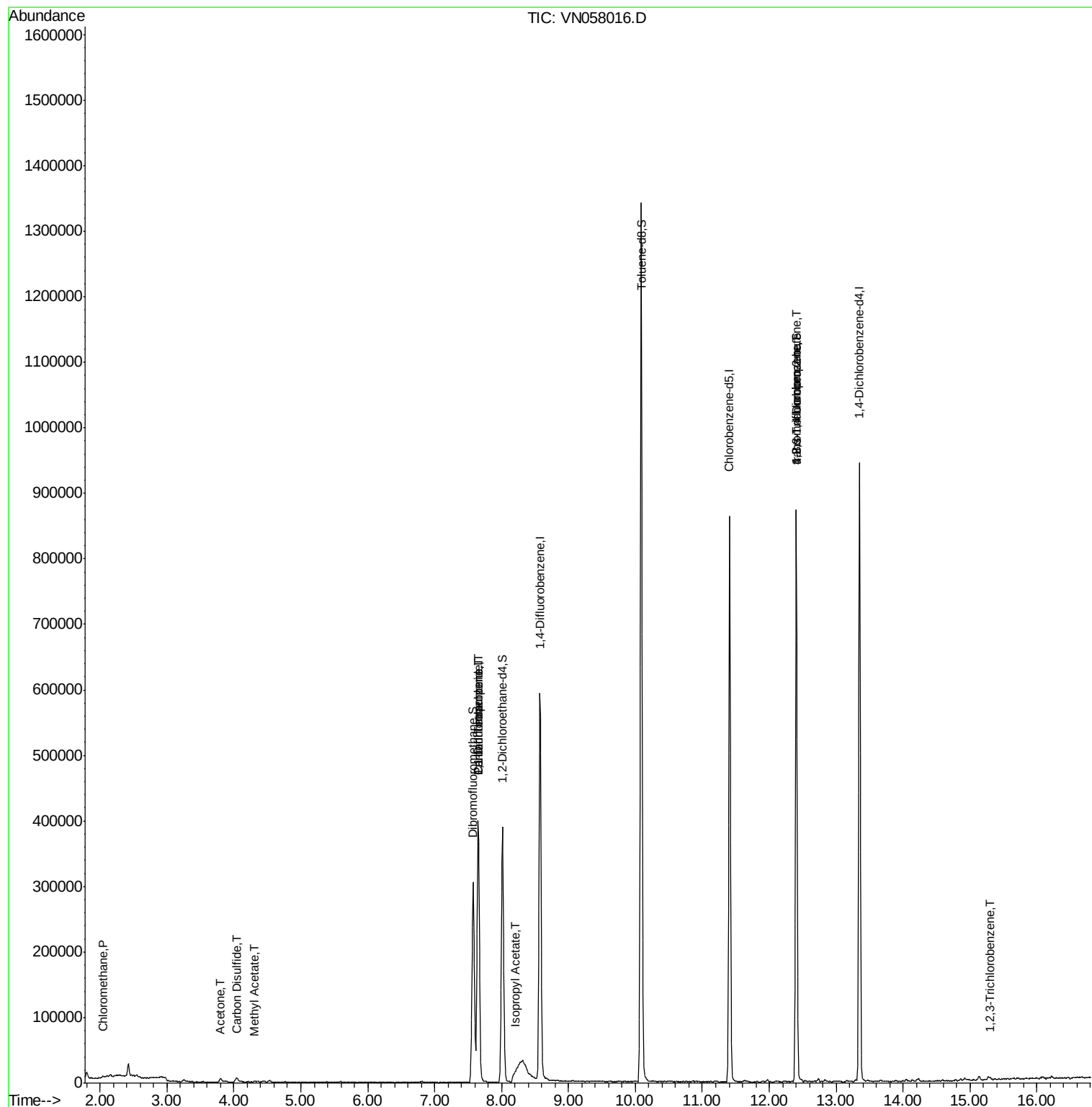
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	308324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	510238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	460324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	231459	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	341611	54.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.40%	
35) Dibromofluoromethane	7.58	113	233396	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.12%	
50) Toluene-d8	10.09	98	923882	50.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.40	95	294654	42.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.58%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	1497	0.344	ug/l	90
5) Bromomethane	2.55	94	173	Below Cal	#	6
16) Acetone	3.80	43	9582	4.681	ug/l	98
17) Carbon Disulfide	4.03	76	2246	0.597	ug/l #	76
18) Methyl Acetate	4.31	43	1357	0.249	ug/l #	63
20) Methylene Chloride	4.54	84	1735	Below Cal	#	80
31) Cyclohexane	7.65	56	7950	Below Cal	#	3
36) 1,1-Dichloropropene	7.65	75	27089	4.578	ug/l #	50
38) Carbon Tetrachloride	7.65	117	31400	5.812	ug/l #	16
43) Isopropyl Acetate	8.20	43	12678	1.233	ug/l #	56
76) 1,2,3-Trichloropropane	12.40	75	163471	31.221	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	163471	109.866	ug/l #	6
95) Naphthalene	15.13	128	5233	Below Cal		99
96) 1,2,3-Trichlorobenzene	15.31	180	1004	1.208	ug/l #	66

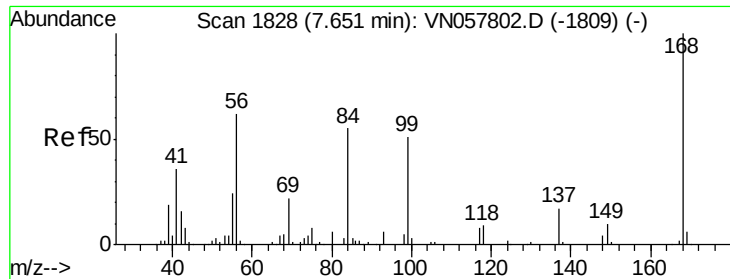
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058016.D

Acq: 13 Sep 2019 14:14

Instrument :

MSVOA_N

ClientSampled :

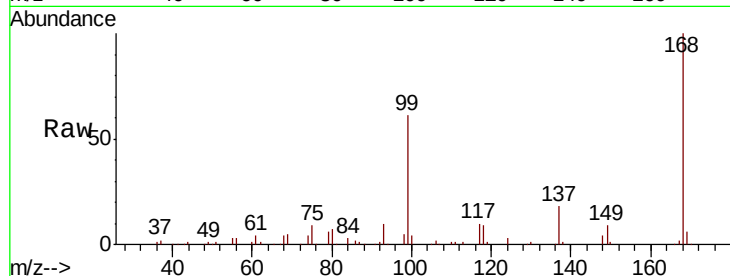
SUMP-PIT

Tgt Ion: 168 Resp: 308324

Ion Ratio Lower Upper

168 100

99 61.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

150000

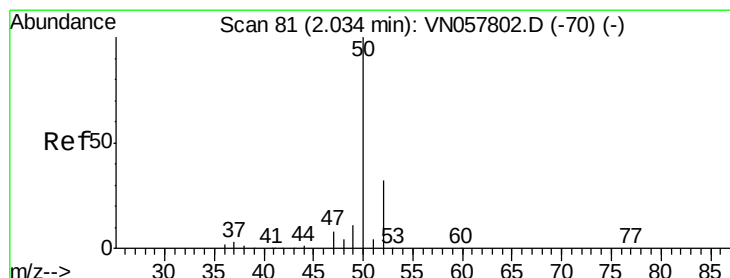
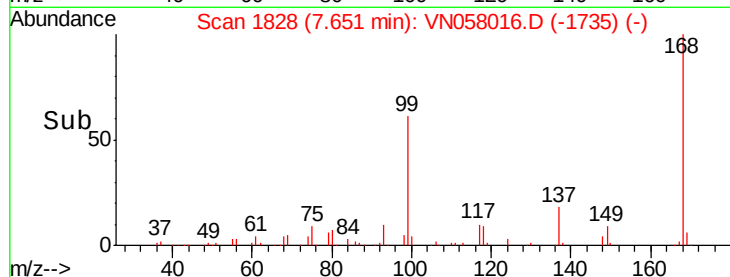
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.344 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN058016.D

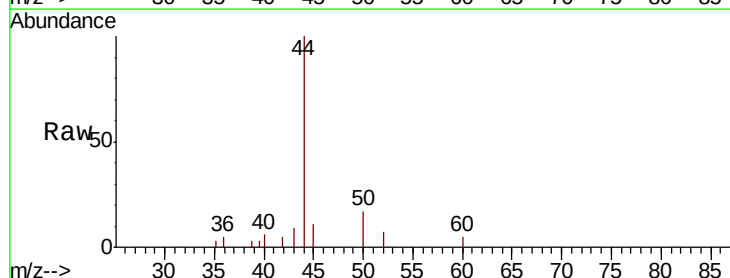
Acq: 13 Sep 2019 14:14

Tgt Ion: 50 Resp: 1497

Ion Ratio Lower Upper

50 100

52 37.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN057802.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057802.D (-70) (-)

2.04

1200

1000

800

600

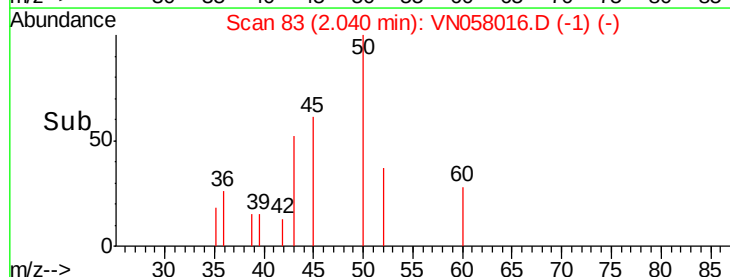
400

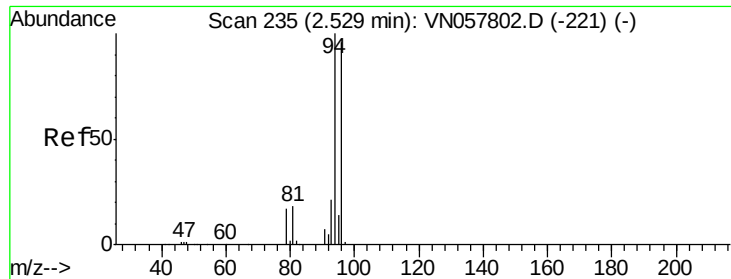
200

0

2.00 2.02 2.04 2.06 2.08

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058016.D

Acq: 13 Sep 2019 14:14

Instrument :

MSVOA_N

ClientSampled :

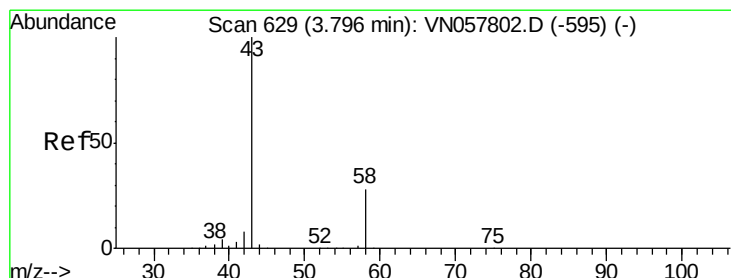
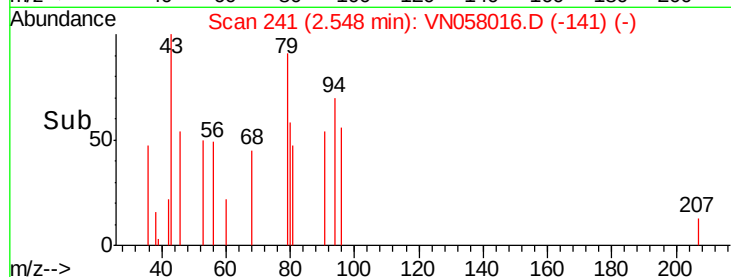
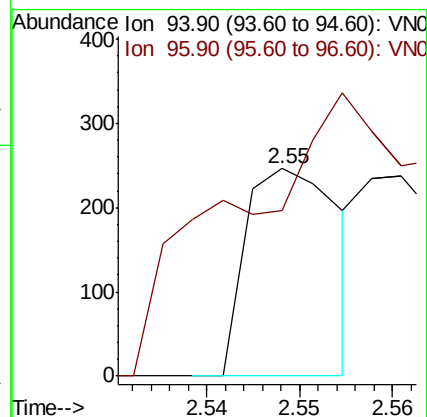
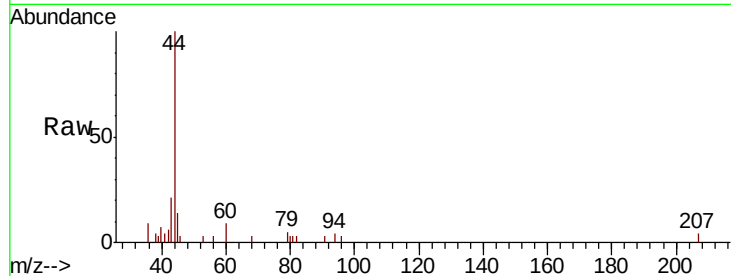
SUMP-PIT

Tgt Ion: 94 Resp: 173

Ion Ratio Lower Upper

94 100

96 4.5 77.0 115.4#



#16

Acetone

Concen: 4.681 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058016.D

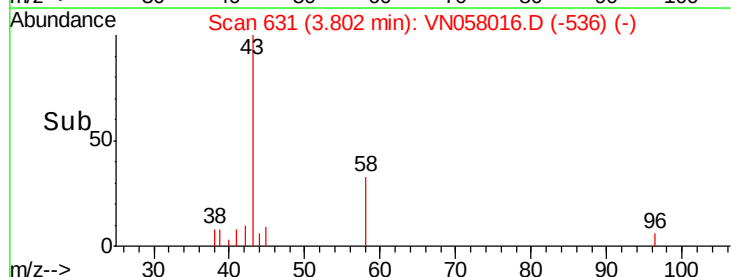
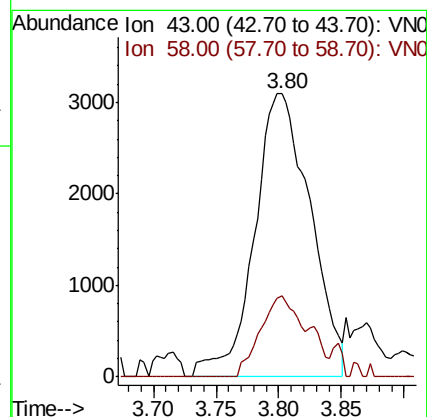
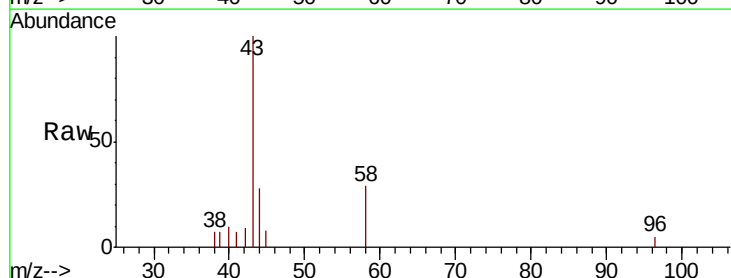
Acq: 13 Sep 2019 14:14

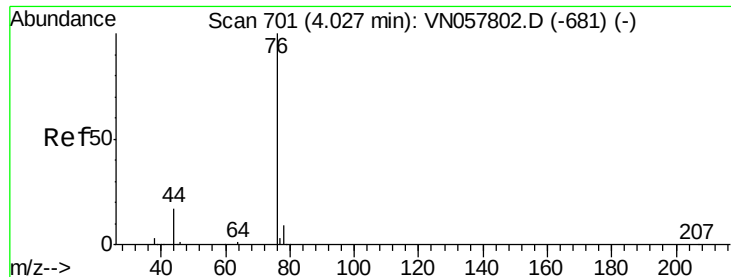
Tgt Ion: 43 Resp: 9582

Ion Ratio Lower Upper

43 100

58 28.7 22.2 33.2





#17

Carbon Disulfide

Concen: 0.597 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058016.D

Acq: 13 Sep 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

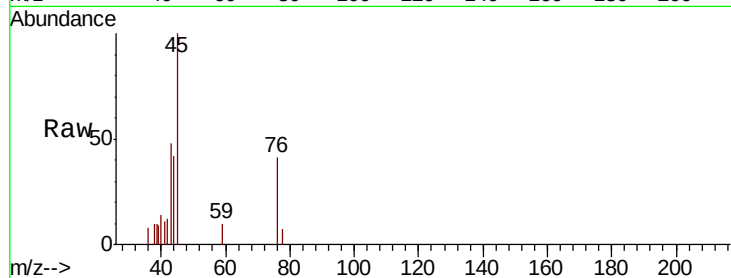
SUMP-PIT

Tgt Ion: 76 Resp: 2246

Ion Ratio Lower Upper

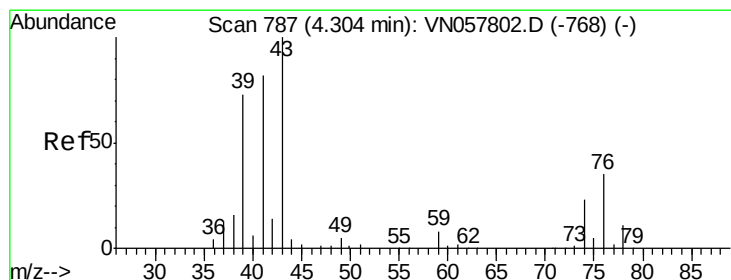
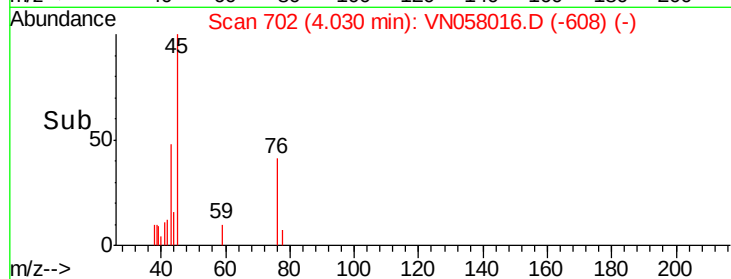
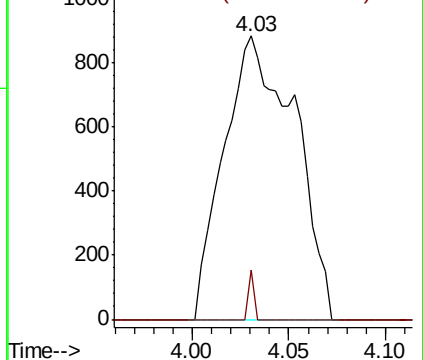
76 100

78 17.6 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.249 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN058016.D

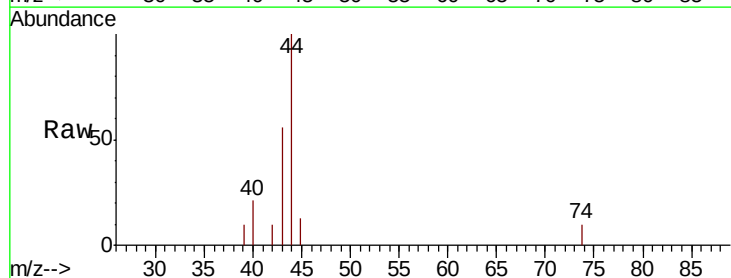
Acq: 13 Sep 2019 14:14

Tgt Ion: 43 Resp: 1357

Ion Ratio Lower Upper

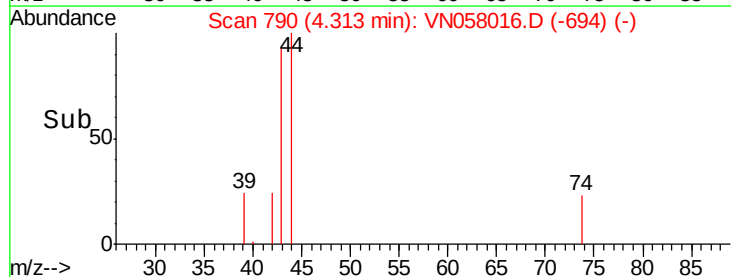
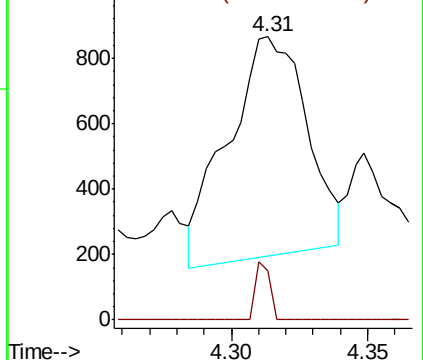
43 100

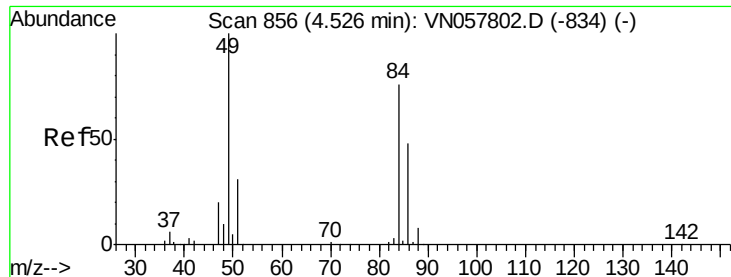
74 4.6 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

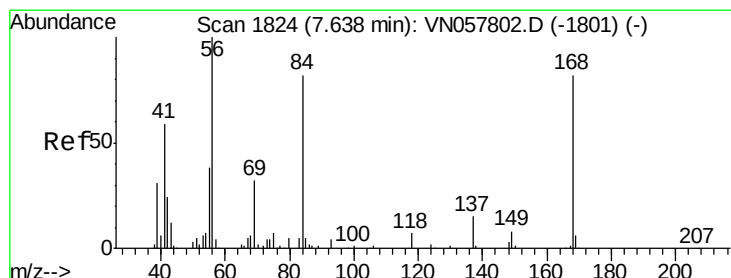
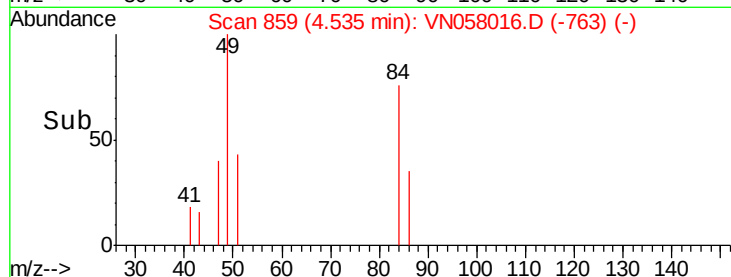
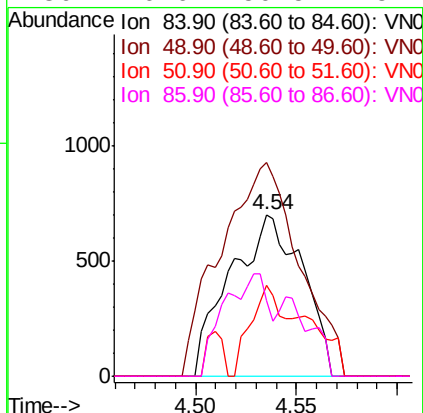
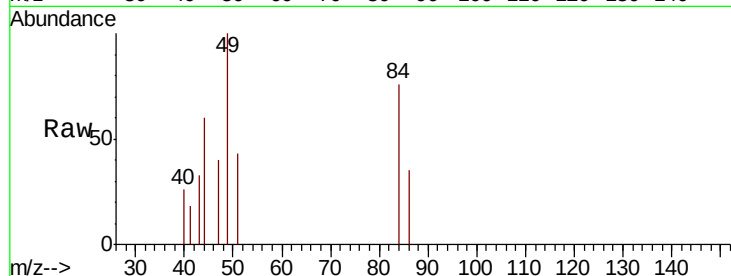




#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058016.D
Acq: 13 Sep 2019 14:14

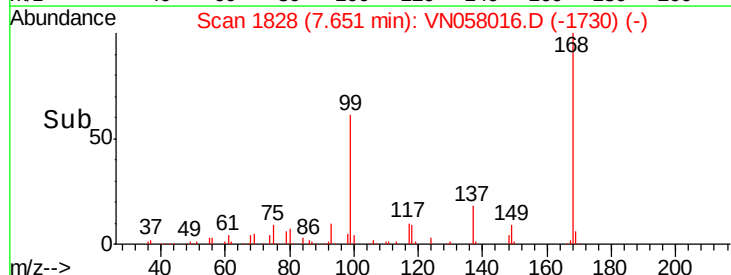
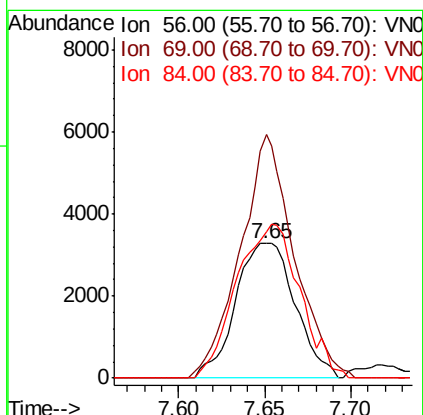
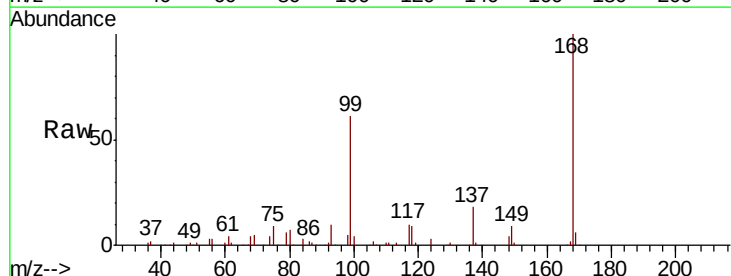
Instrument :
MSVOA_N
ClientSampled :
SUMP-PIT

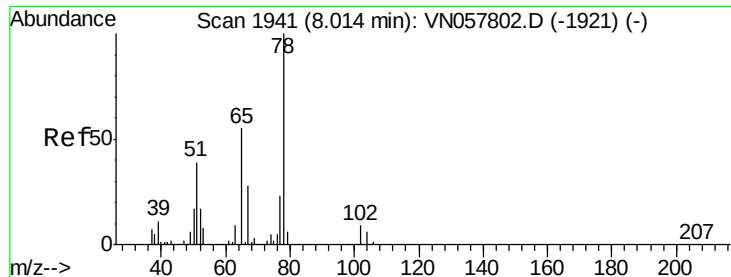
Tgt Ion: 84 Resp: 1735
Ion Ratio Lower Upper
84 100
49 109.8 104.8 157.2
51 56.4 33.0 49.4#
86 46.6 50.5 75.7#



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN058016.D
Acq: 13 Sep 2019 14:14

Tgt Ion: 56 Resp: 7950
Ion Ratio Lower Upper
56 100
69 180.9 25.9 38.9#
84 108.8 65.6 98.4#

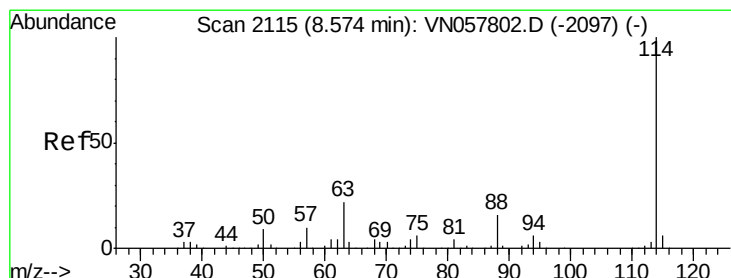
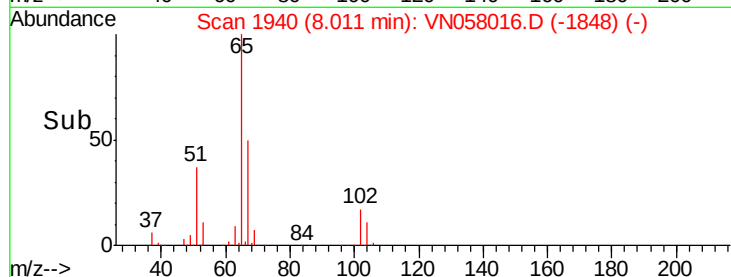
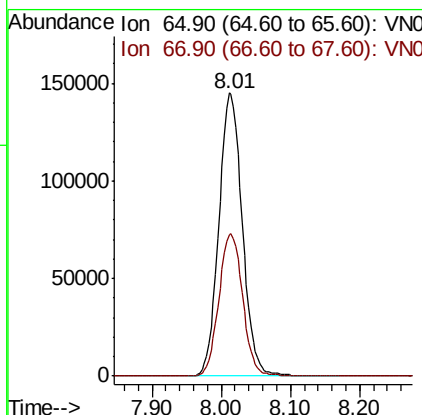
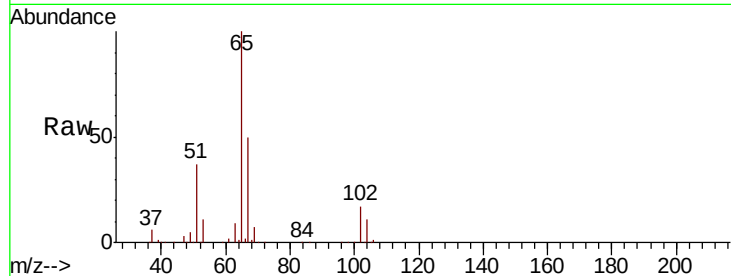




#33
 1,2-Dichloroethane-d4
 Concen: 54.703 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058016.D
 Acq: 13 Sep 2019 14:14

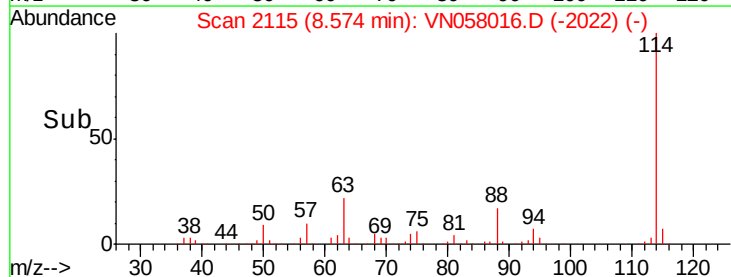
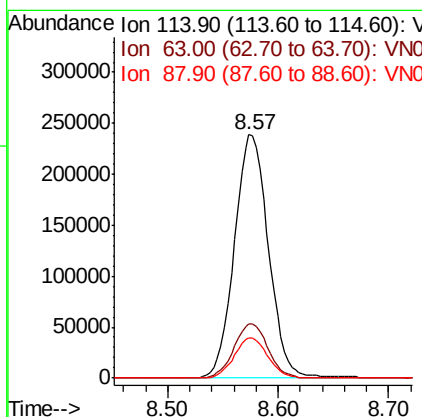
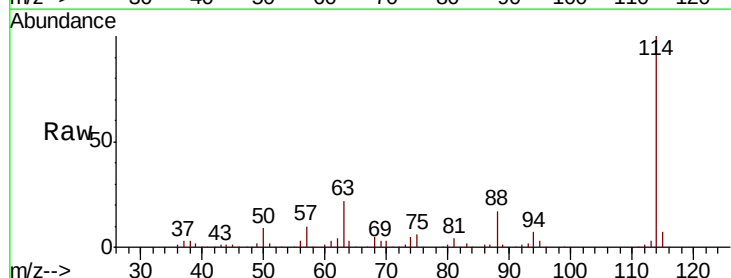
Instrument :
 MSVOA_N
 ClientSampleId :
 SUMP-PIT

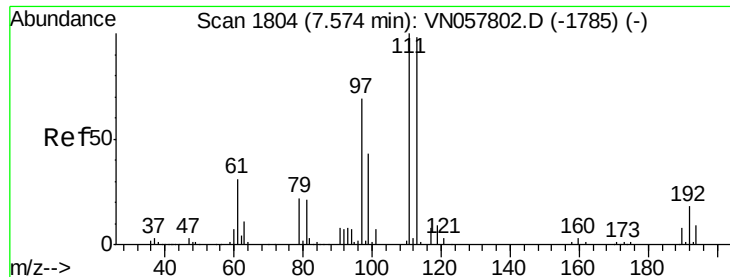
Tgt Ion: 65 Resp: 341611
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058016.D
 Acq: 13 Sep 2019 14:14

Tgt Ion: 114 Resp: 510238
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.0
 88 16.6 0.0 31.4

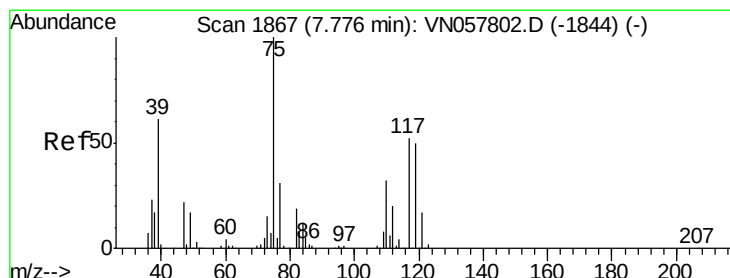
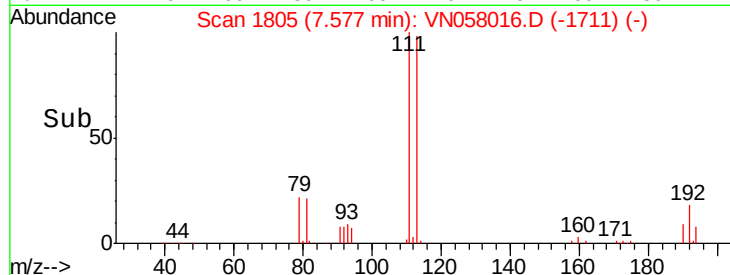
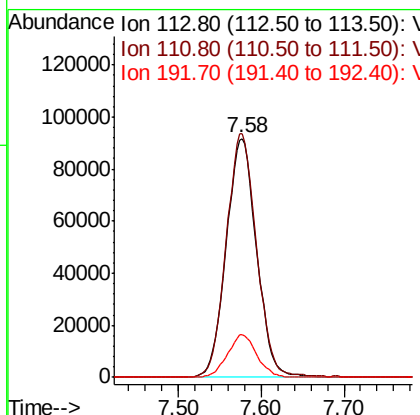
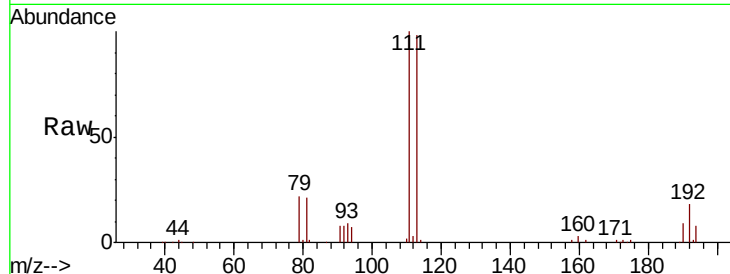




#35
 Dibromofluoromethane
 Concen: 49.561 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058016.D
 Acq: 13 Sep 2019 14:14

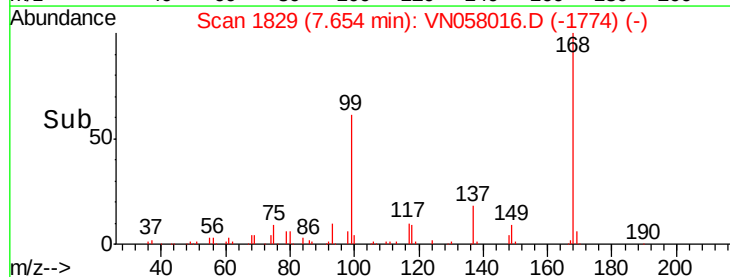
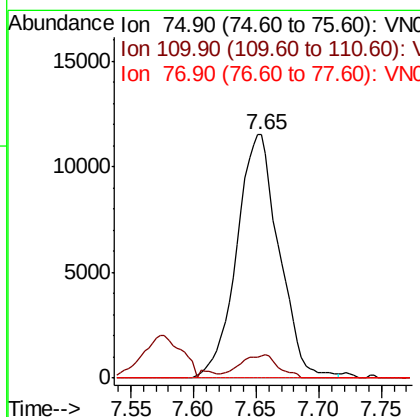
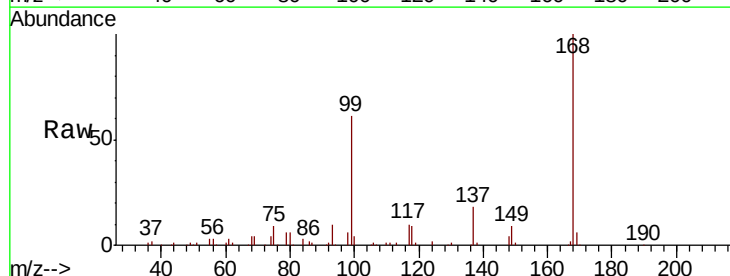
Instrument :
 MSVOA_N
 ClientSampleId :
 SUMP-PIT

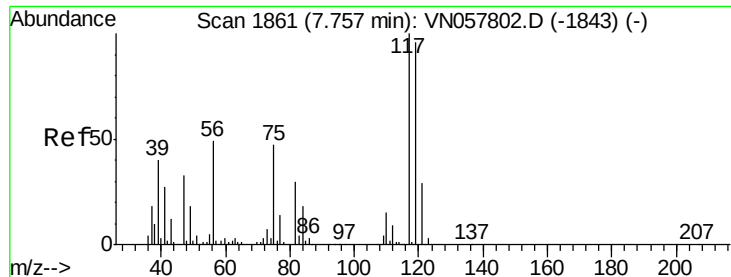
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.3	121.9
192	17.3	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.578 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN058016.D
 Acq: 13 Sep 2019 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.3	48.9#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.812 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058016.D

Acq: 13 Sep 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

SUMP-PIT

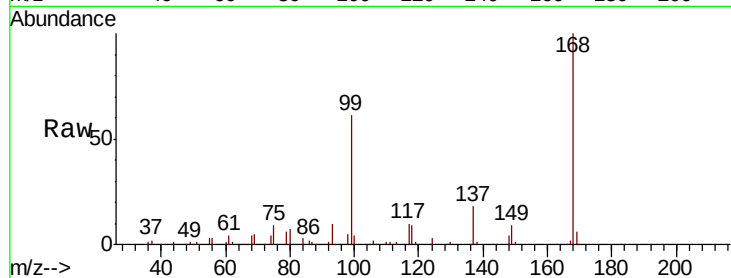
Tgt Ion: 117 Resp: 31400

Ion Ratio Lower Upper

117 100

119 5.4 76.9 115.3#

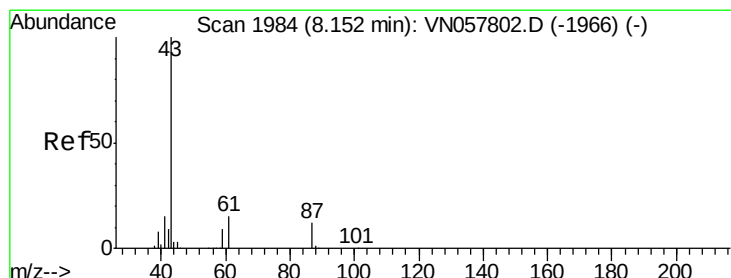
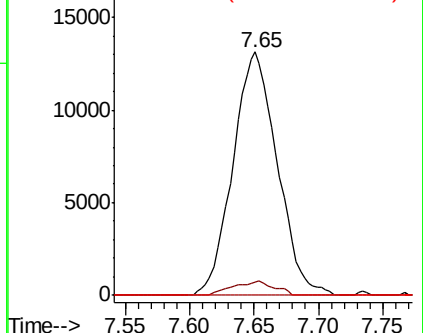
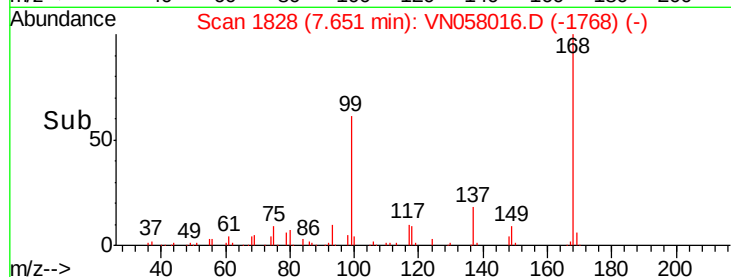
121 0.0 23.4 35.2#



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: 1.233 ug/l

RT: 8.20 min Scan# 1998

Delta R.T. 0.05 min

Lab File: VN058016.D

Acq: 13 Sep 2019 14:14

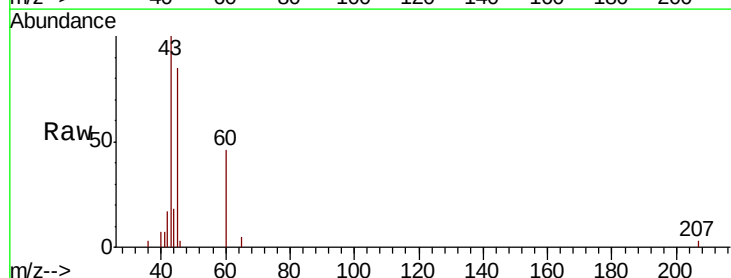
Tgt Ion: 43 Resp: 12678

Ion Ratio Lower Upper

43 100

61 0.0 20.1 30.1#

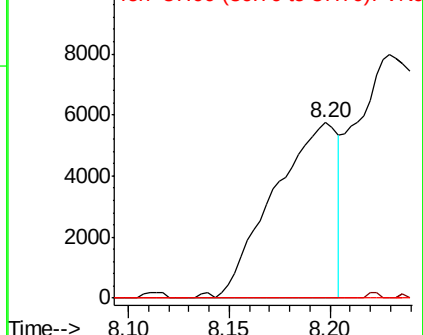
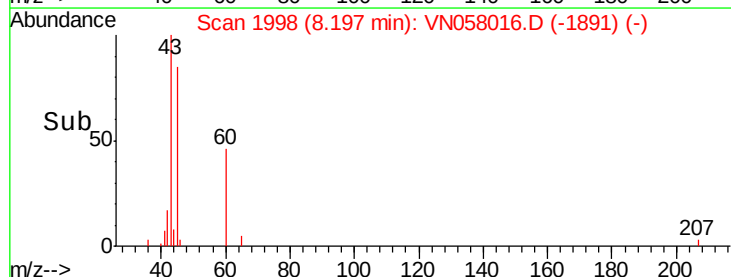
87 0.0 9.5 14.3#

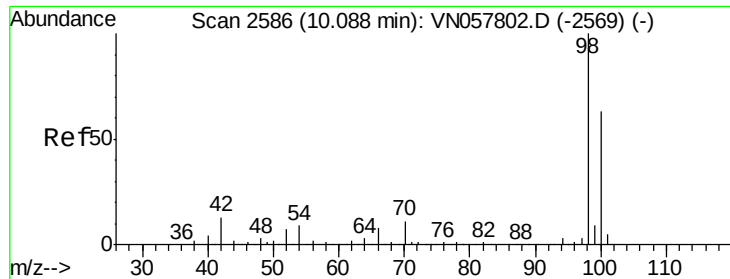


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 50.529 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058016.D

Acq: 13 Sep 2019 14:14

Instrument :

MSVOA_N

ClientSampled :

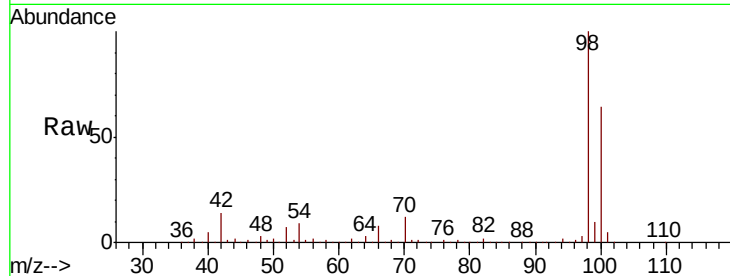
SUMP-PIT

Tgt Ion: 98 Resp: 923882

Ion Ratio Lower Upper

98 100

100 63.8 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057802.D (-2569) (-)

10.09

500000

400000

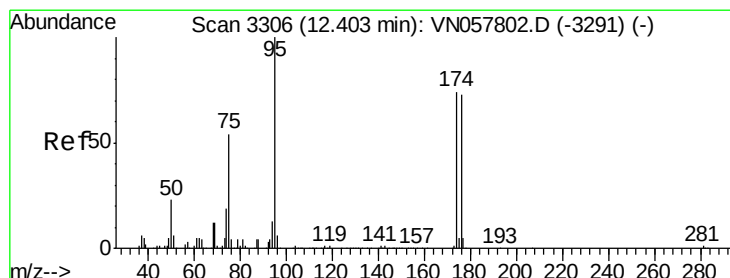
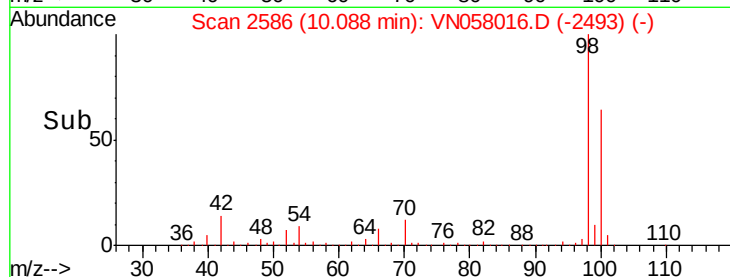
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.288 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058016.D

Acq: 13 Sep 2019 14:14

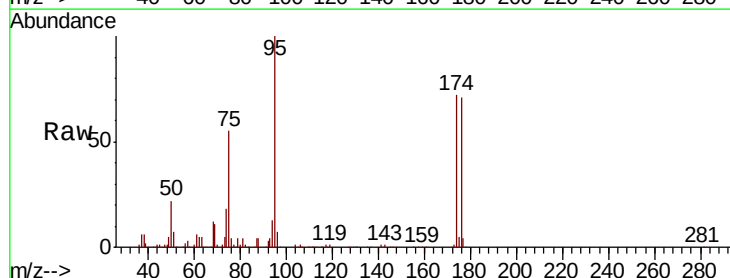
Tgt Ion: 95 Resp: 294654

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.2

176 72.0 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)

12.40

200000

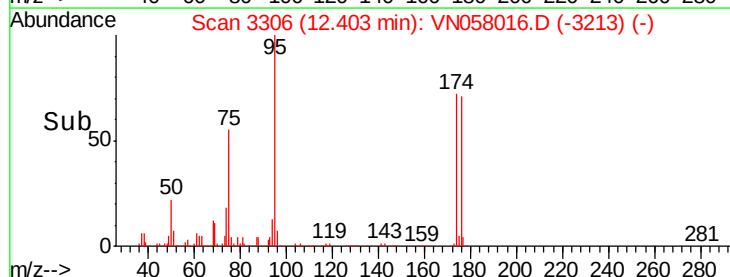
150000

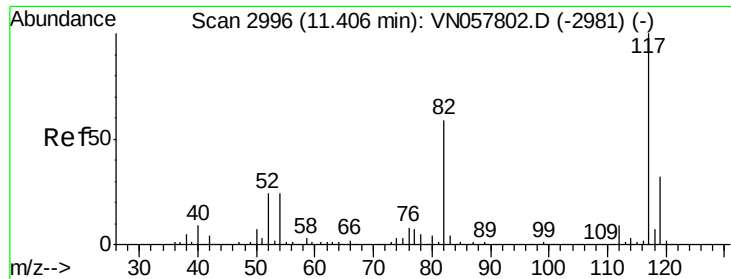
100000

50000

0

Time-->

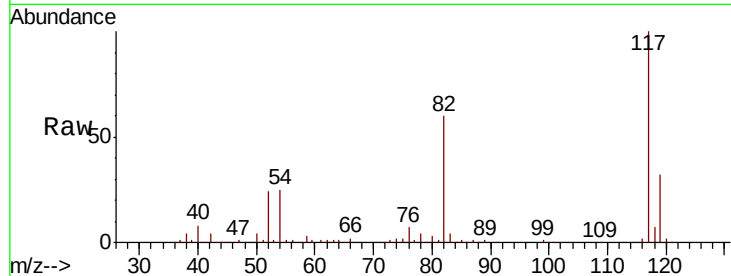




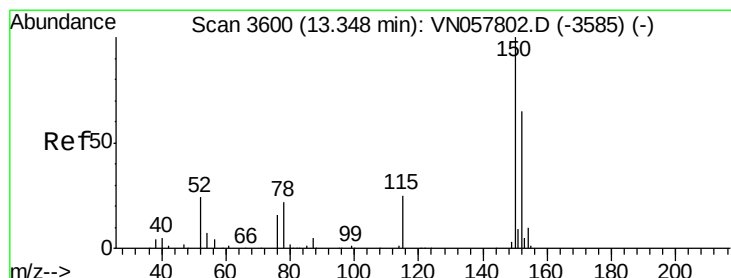
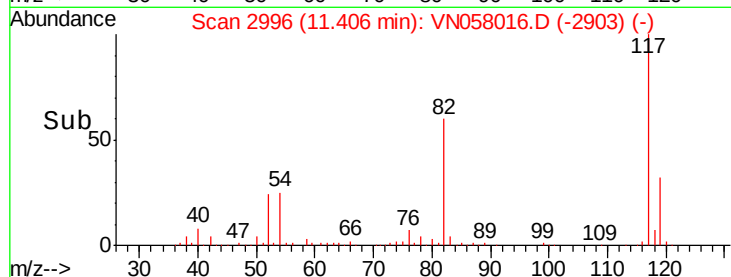
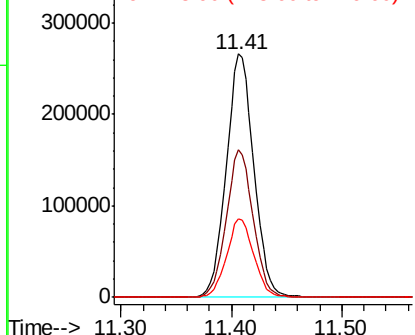
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058016.D
Acq: 13 Sep 2019 14:14

Instrument :
MSVOA_N
ClientSampleId :
SUMP-PIT

Tgt Ion:117 Resp: 460324
Ion Ratio Lower Upper
117 100
82 60.4 47.2 70.8
119 32.3 25.3 37.9

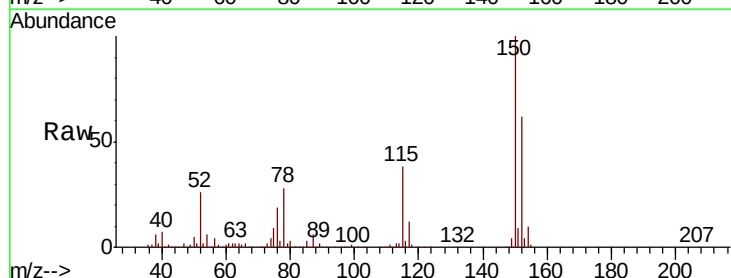


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

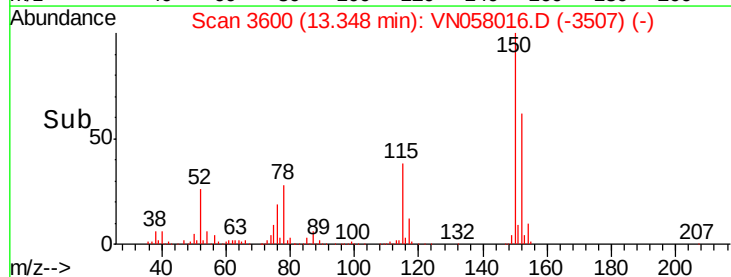
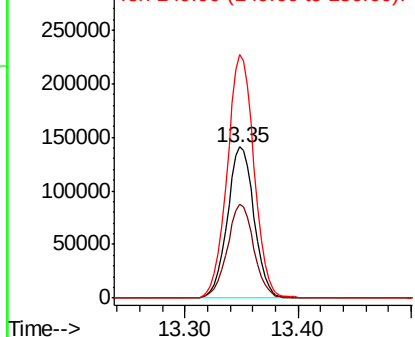


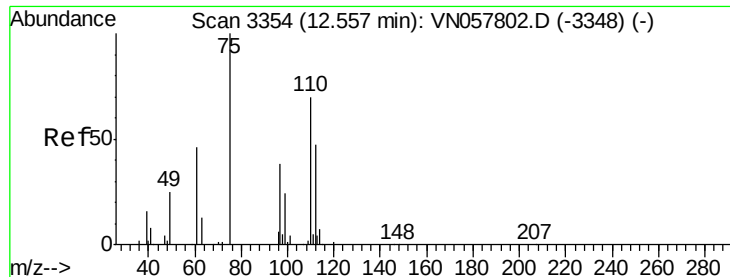
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058016.D
Acq: 13 Sep 2019 14:14

Tgt Ion:152 Resp: 231459
Ion Ratio Lower Upper
152 100
115 61.8 30.3 91.0
150 161.6 0.0 352.4



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: 31.221 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058016.D

Acq: 13 Sep 2019 14:14

Instrument :

MSVOA_N

ClientSampled :

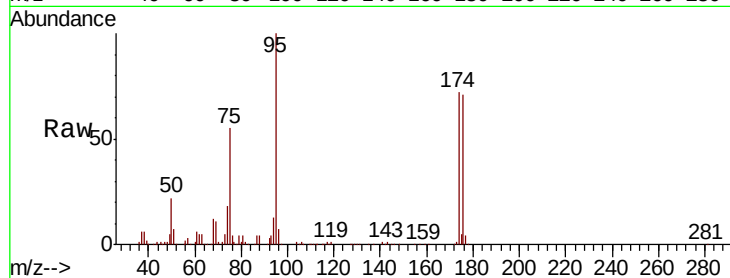
SUMP-PIT

Tgt Ion: 75 Resp: 163471

Ion Ratio Lower Upper

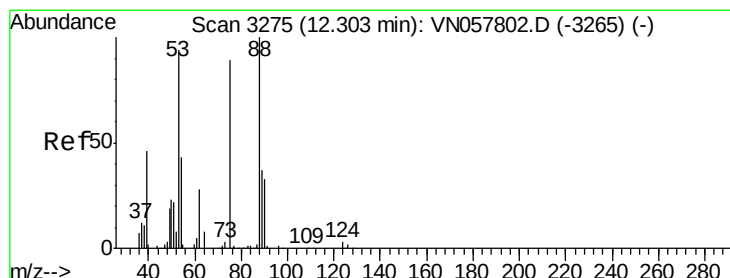
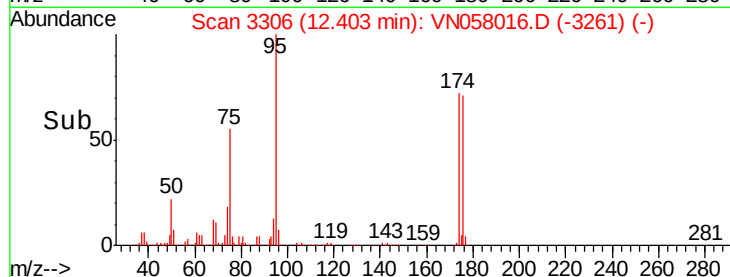
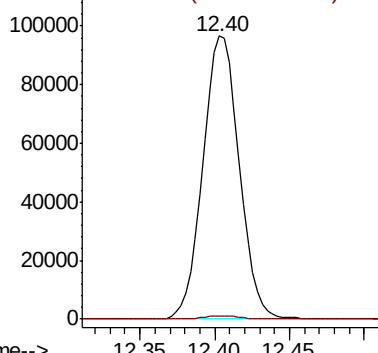
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 109.866 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058016.D

Acq: 13 Sep 2019 14:14

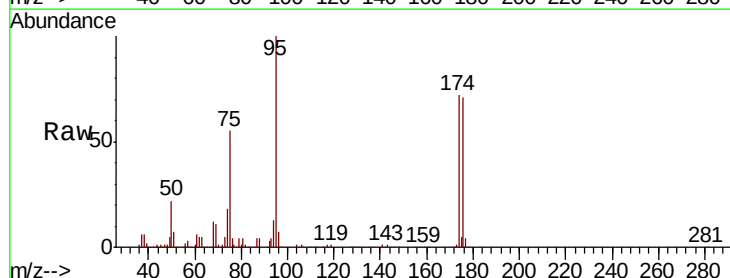
Tgt Ion: 75 Resp: 163471

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

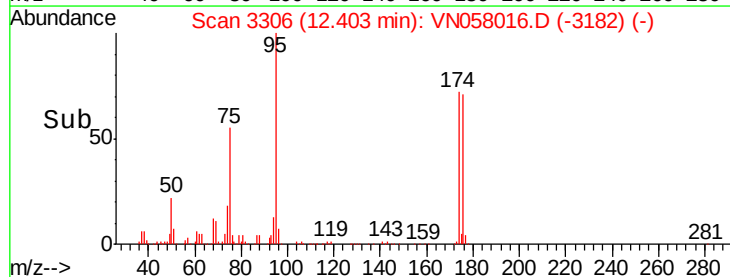
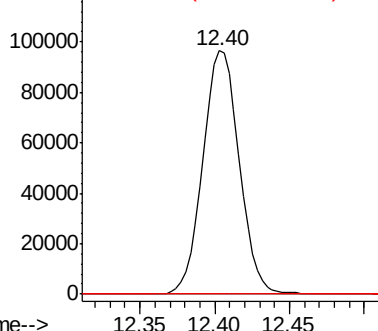
89 0.0 35.3 52.9#

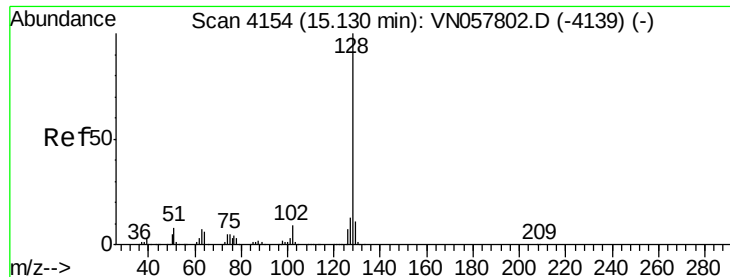


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058016.D

Acq: 13 Sep 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

SUMP-PIT

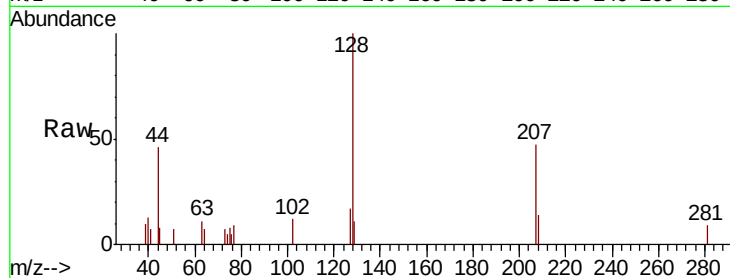
Tgt Ion:128 Resp: 5233

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

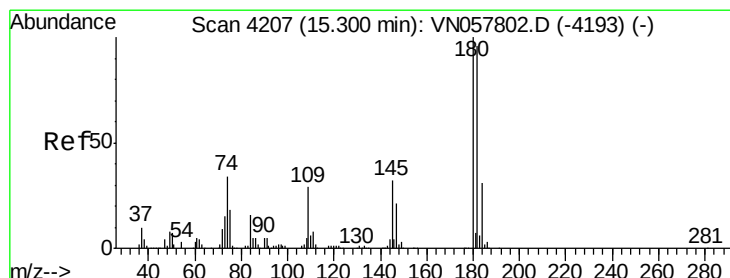
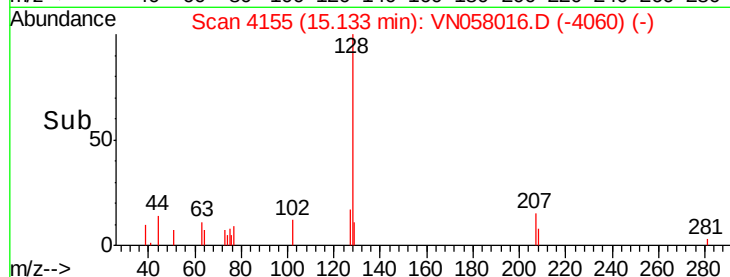
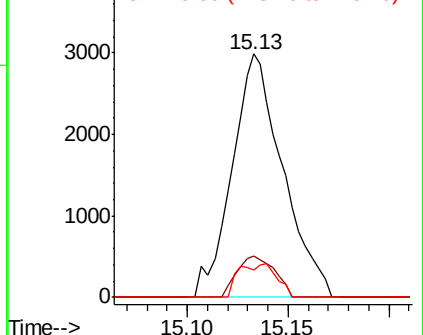
129 10.5 8.6 12.8



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: 1.208 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.01 min

Lab File: VN058016.D

Acq: 13 Sep 2019 14:14

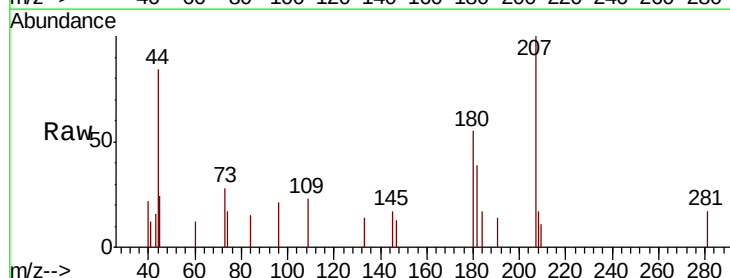
Tgt Ion:180 Resp: 1004

Ion Ratio Lower Upper

180 100

182 92.6 48.3 144.8

145 102.6 16.3 48.8#



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

