

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111519\
 Data File : VN059261.D
 Acq On : 15 Nov 2019 13:29
 Operator : JC/SP
 Sample : K5858-03
 Misc : 5.05µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 16 00:29:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	431612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	660279	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	565478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	219503	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	261308	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
35) Dibromofluoromethane	7.57	113	204136	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.08	98	804237	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.40	95	252502	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	

Target Compounds

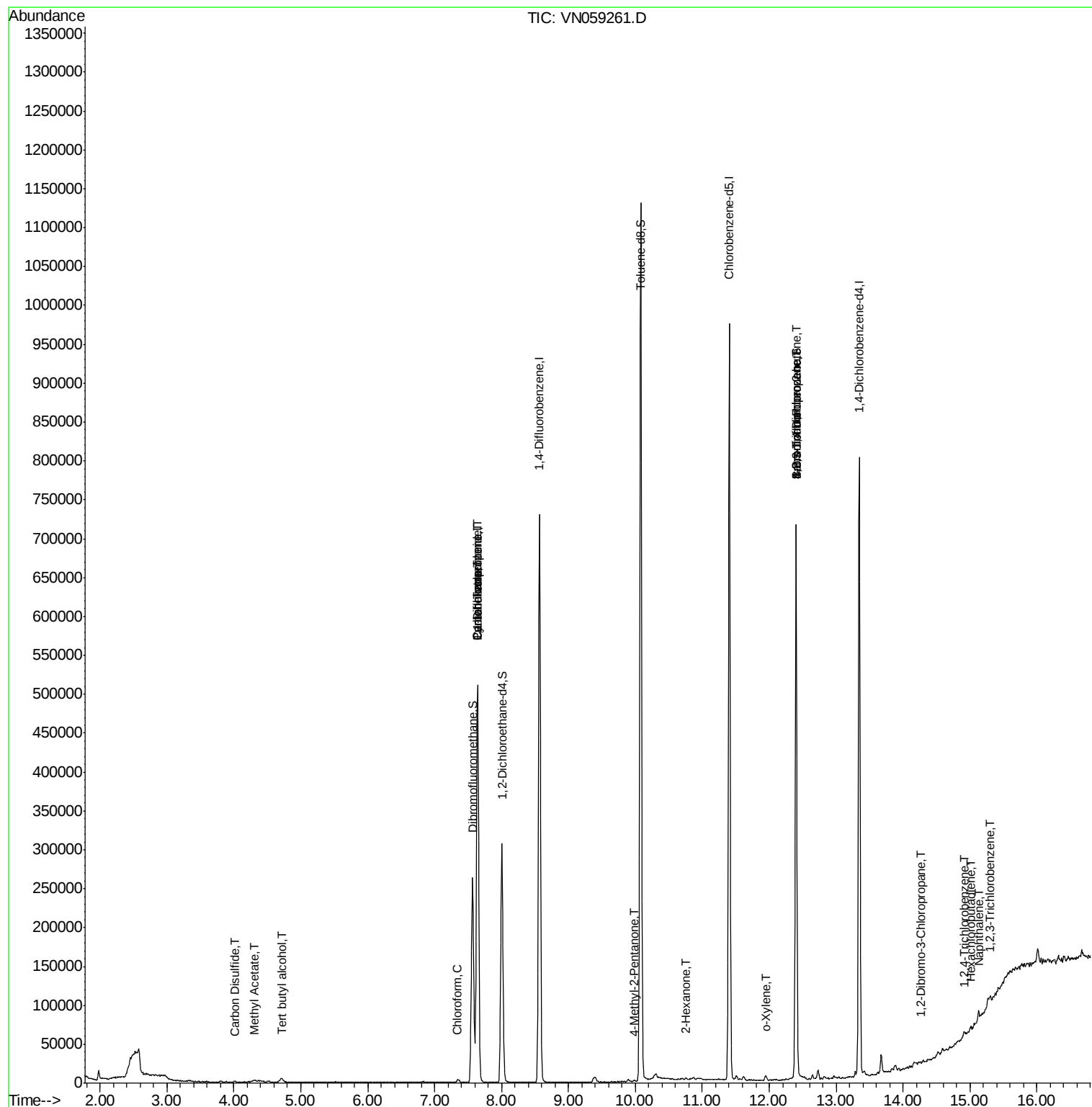
						Qvalue
11) Tert butyl alcohol	4.71	59	5925	5.860	ug/l #	72
17) Carbon Disulfide	4.01	76	2651	0.212	ug/l #	74
18) Methyl Acetate	4.31	43	3782	0.578	ug/l #	85
30) Chloroform	7.35	83	4447	0.531	ug/l	85
31) Cyclohexane	7.64	56	8453	1.023	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32383	5.247	ug/l #	50
38) Carbon Tetrachloride	7.64	117	39945	6.503	ug/l #	17
51) 4-Methyl-2-Pentanone	9.98	43	1390	0.224	ug/l #	36
59) 2-Hexanone	10.76	43	1747	0.367	ug/l	70
69) o-Xylene	11.95	106	1513	0.214	ug/l	86
71) Bromoform	12.40	173	1456	0.453	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	121399	24.293	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	121399	64.164	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.27	75	266	0.271	ug/l #	40
93) 1,2,4-Trichlorobenzene	14.91	180	2616	3.646	ug/l	88
94) Hexachlorobutadiene	15.01	225	596	0.256	ug/l	90
95) Naphthalene	15.13	128	8784	3.770	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.29	180	3124	0.825	ug/l	92

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111519\
Data File : VN059261.D
Acq On : 15 Nov 2019 13:29
Operator : JC/SP
Sample : K5858-03
Misc : 5.05µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 16 00:29:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059261.D

Acq: 15 Nov 2019 13:29

Instrument :

MSVOA_N

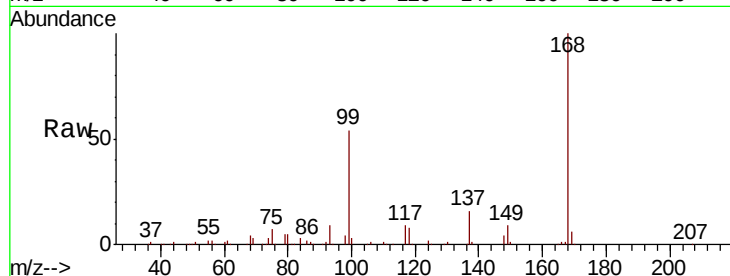
ClientSampled :

Tot Ion:168 Resp: 431612

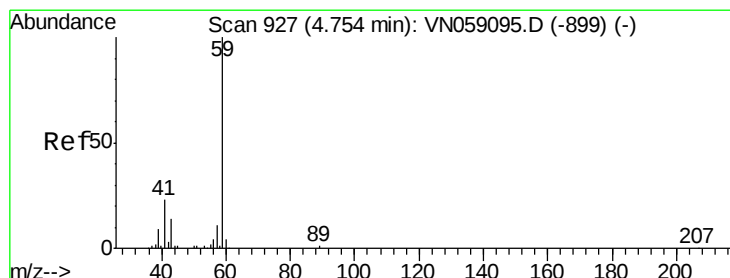
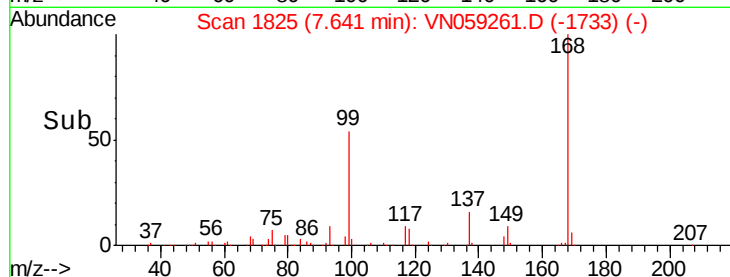
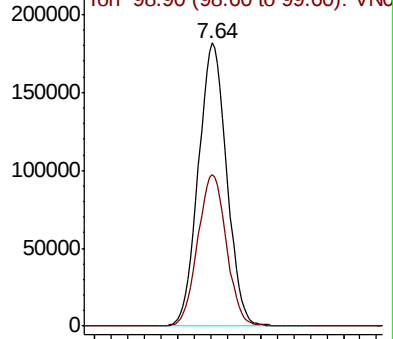
Ion Ratio Lower Upper

168 100

99 53.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D (-1806) (-)



#11

Tert butyl alcohol

Concen: 5.860 ug/l

RT: 4.71 min Scan# 912

Delta R.T. -0.05 min

Lab File: VN059261.D

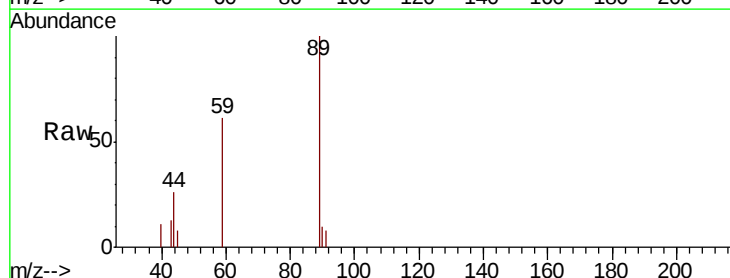
Acq: 15 Nov 2019 13:29

Tgt Ion: 59 Resp: 5925

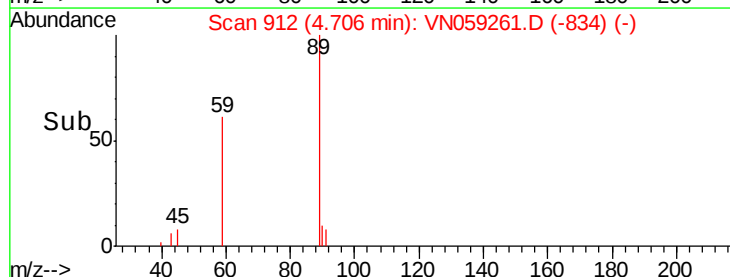
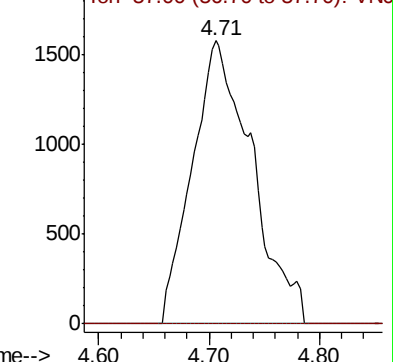
Ion Ratio Lower Upper

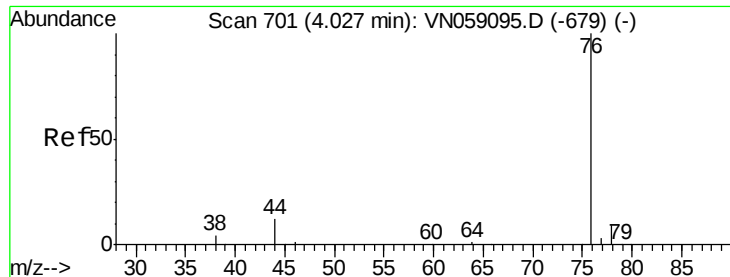
59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN059095.D (-899) (-)

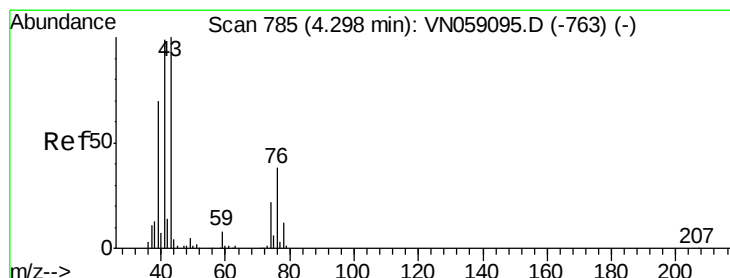
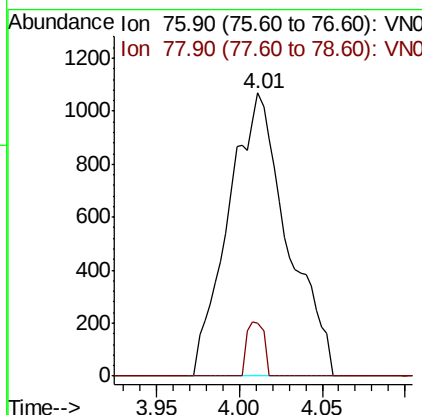
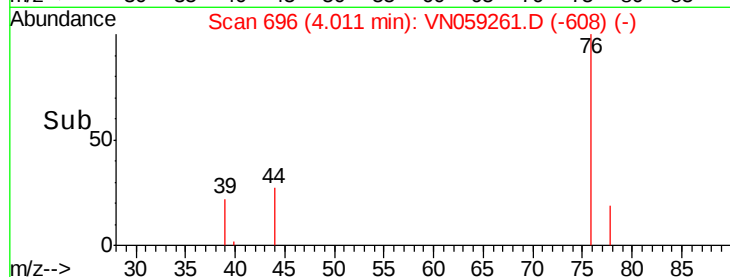
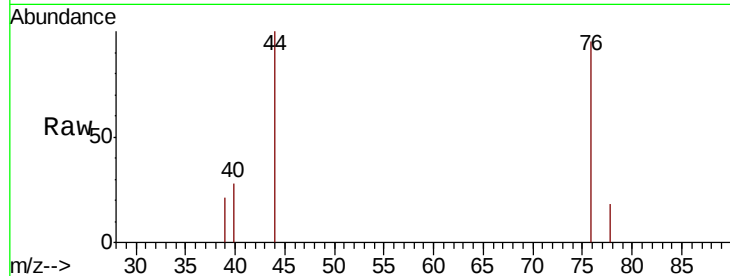




#17
Carbon Disulfide
Concen: 0.212 ug/l
RT: 4.01 min Scan# 696
Delta R.T. -0.02 min
Lab File: VN059261.D
Acq: 15 Nov 2019 13:29

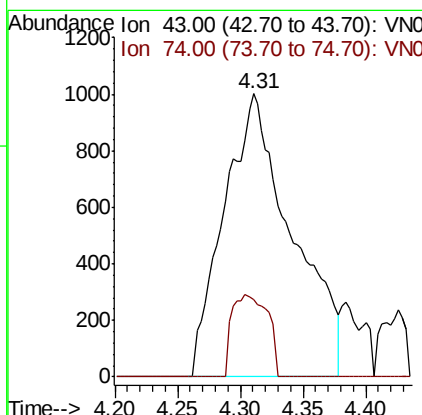
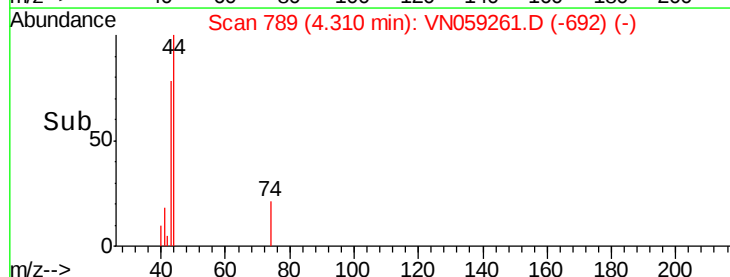
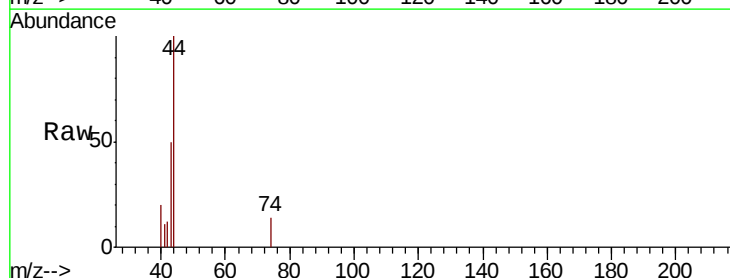
Instrument :
MSVOA_N
ClientSampled :

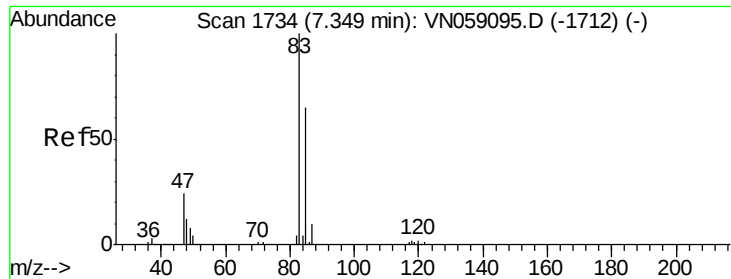
Tot Ion: 76 Resp: 2651
Ion Ratio Lower Upper
76 100
78 18.6 7.4 11.0#



#18
Methyl Acetate
Concen: 0.578 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN059261.D
Acq: 15 Nov 2019 13:29

Tgt Ion: 43 Resp: 3782
Ion Ratio Lower Upper
43 100
74 15.3 17.8 26.8#

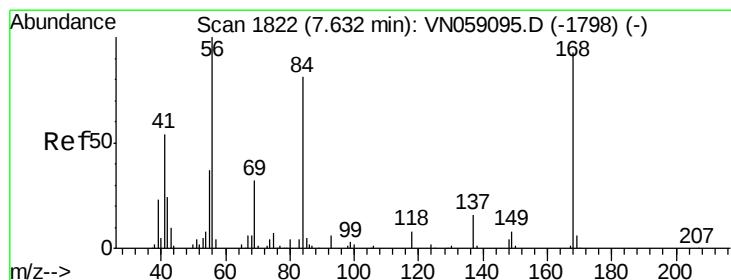
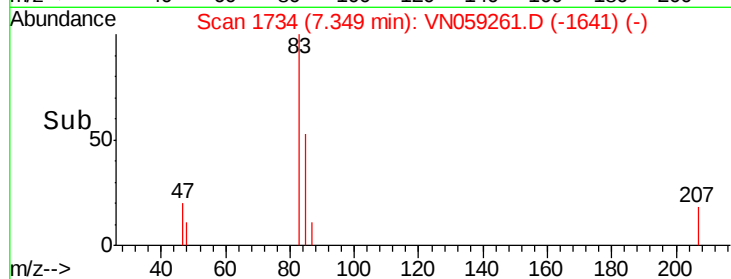
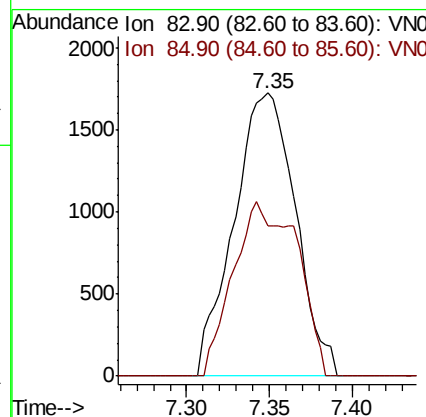
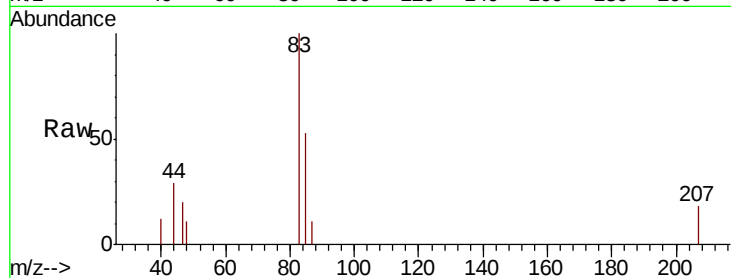




#30
Chloroform
Concen: 0.531 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059261.D
Acq: 15 Nov 2019 13:29

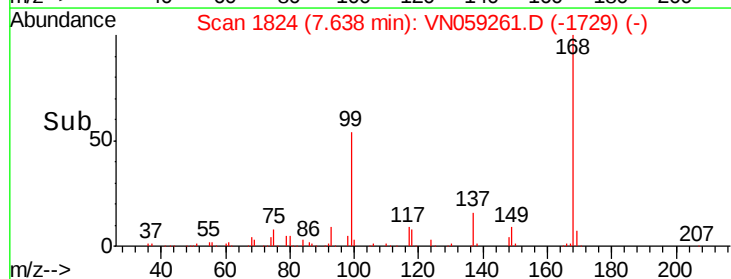
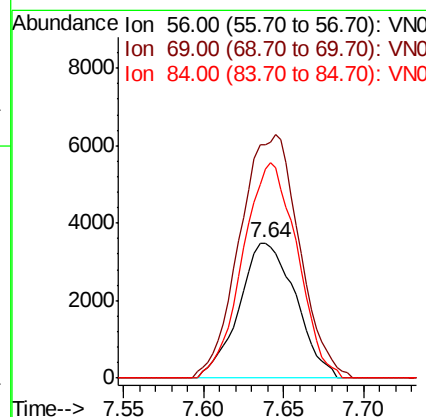
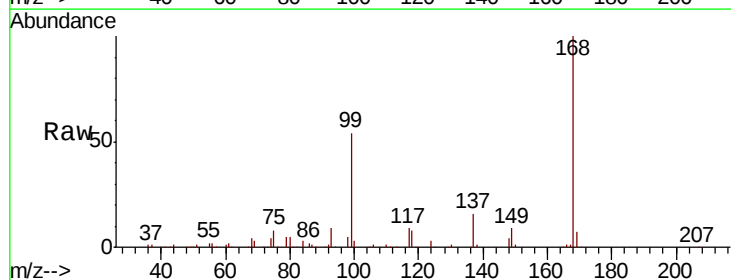
Instrument :
MSVOA_N
ClientSampleId :

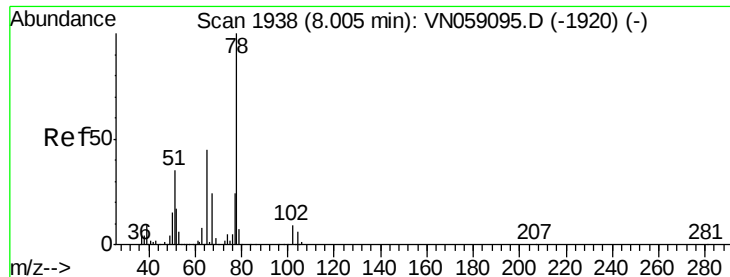
Tot Ion: 83 Resp: 4447
Ion Ratio Lower Upper
83 100
85 52.9 51.8 77.8



#31
Cyclohexane
Concen: 1.023 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059261.D
Acq: 15 Nov 2019 13:29

Tgt Ion: 56 Resp: 8453
Ion Ratio Lower Upper
56 100
69 173.3 25.8 38.8#
84 154.7 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 49.251 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059261.D

Acq: 15 Nov 2019 13:29

Instrument :

MSVOA_N

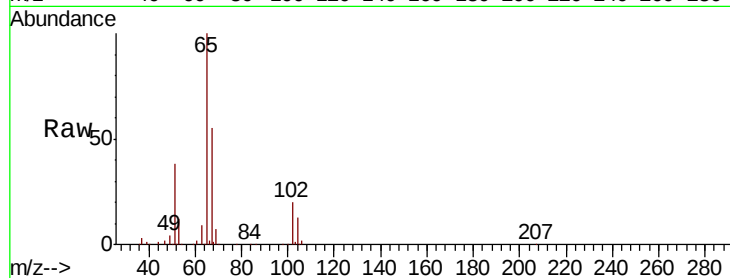
ClientSampleId :

Tot Ion: 65 Resp: 261308

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059261.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059261.D (-1845) (-)

8.00

120000

100000

80000

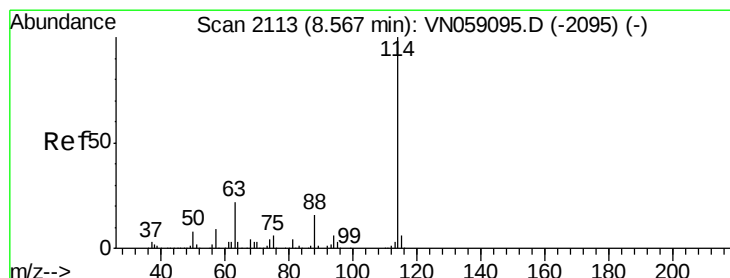
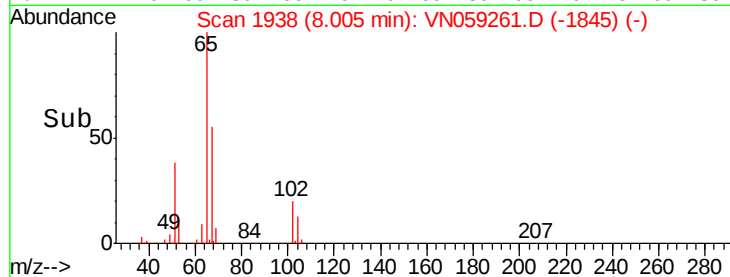
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059261.D

Acq: 15 Nov 2019 13:29

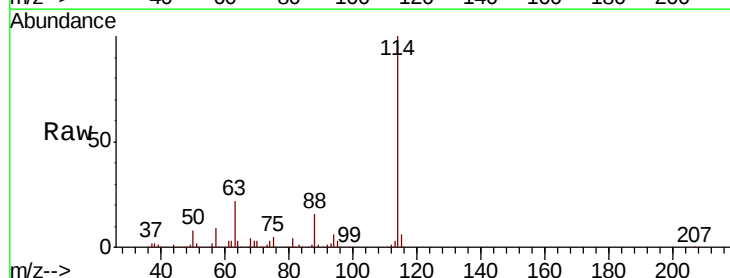
Tgt Ion: 114 Resp: 660279

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

88 16.3 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059261.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059261.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059261.D (-2020) (-)

8.57

400000

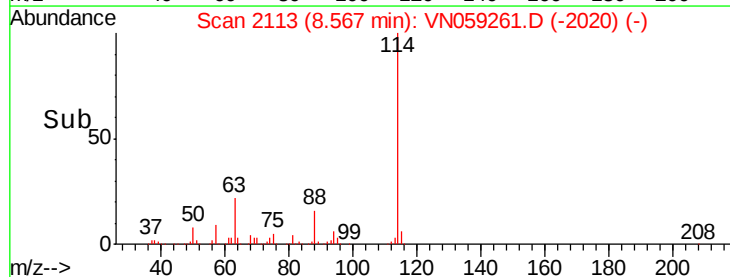
300000

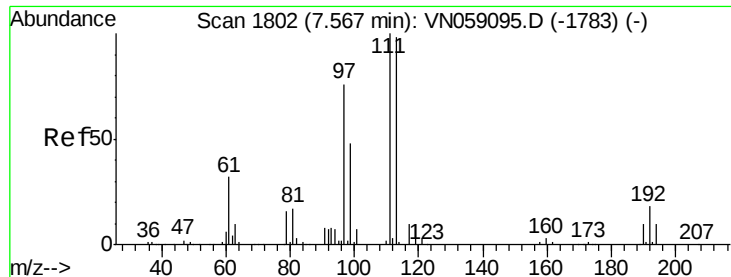
200000

100000

0

Time-->

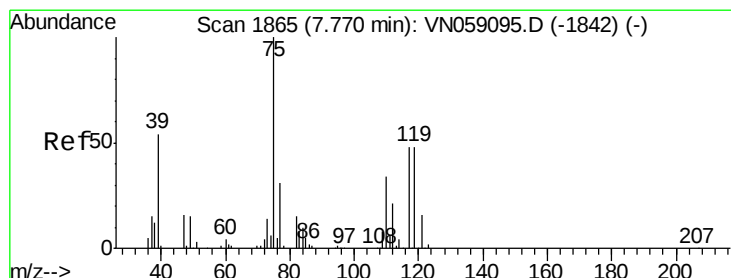
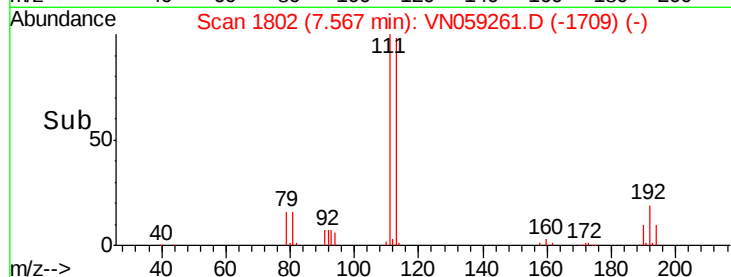
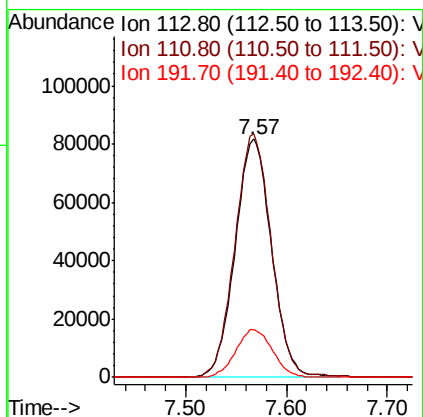
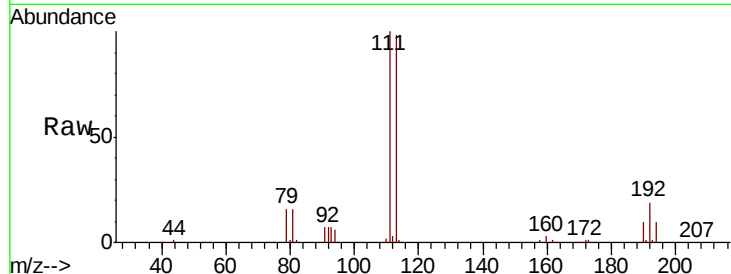




#35
 Dibromofluoromethane
 Concen: 51.778 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059261.D
 Acq: 15 Nov 2019 13:29

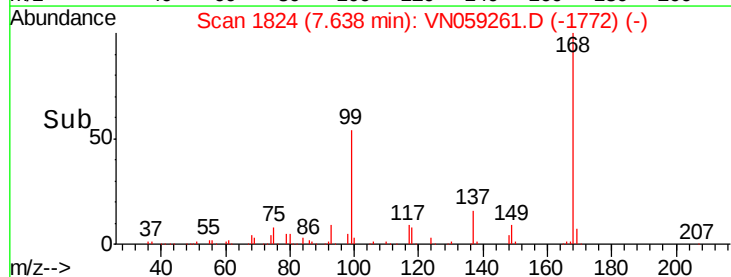
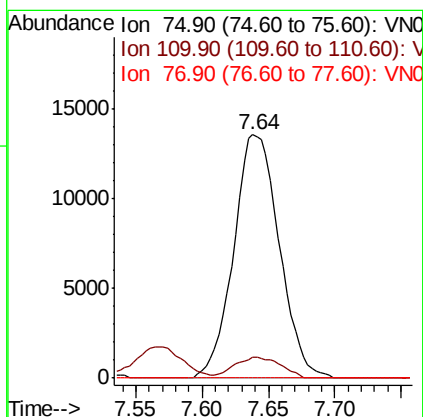
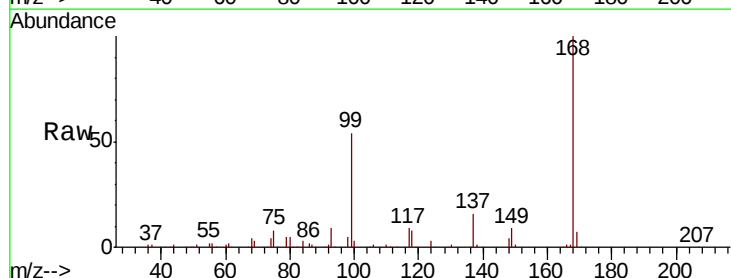
Instrument :
 MSVOA_N
 ClientSampled :

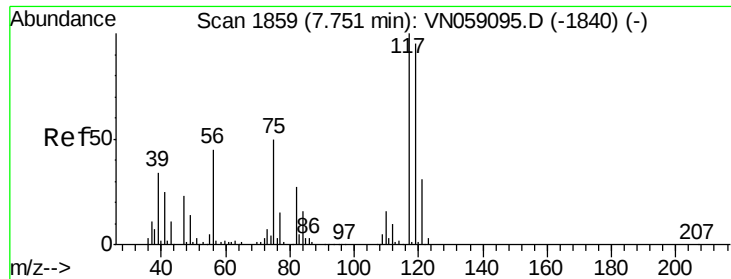
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	20.1	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.247 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN059261.D
 Acq: 15 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.1	51.2#
77	0.0	24.8	37.2#

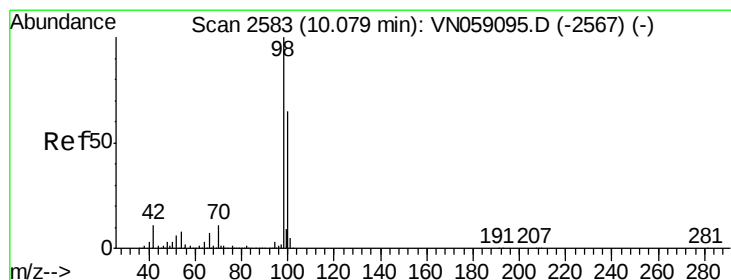
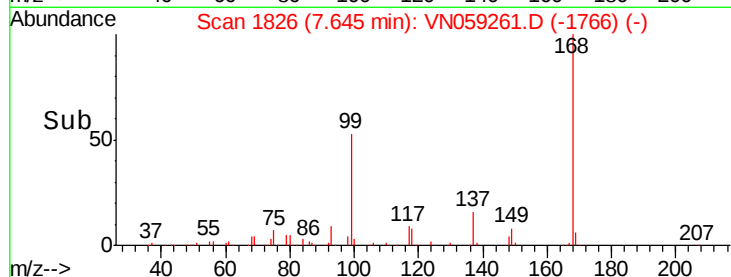
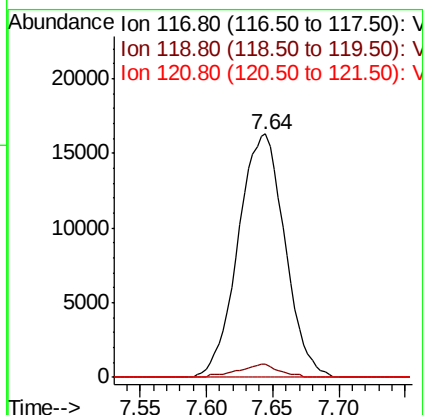
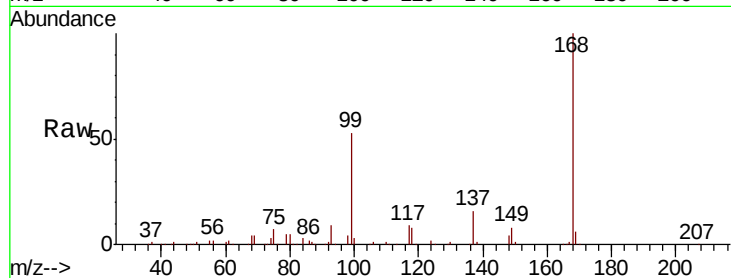




#38
Carbon Tetrachloride
Concen: 6.503 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059261.D
Acq: 15 Nov 2019 13:29

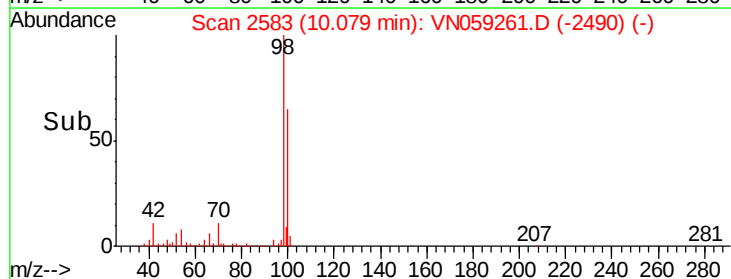
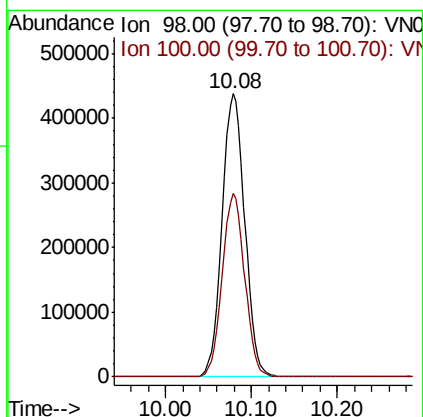
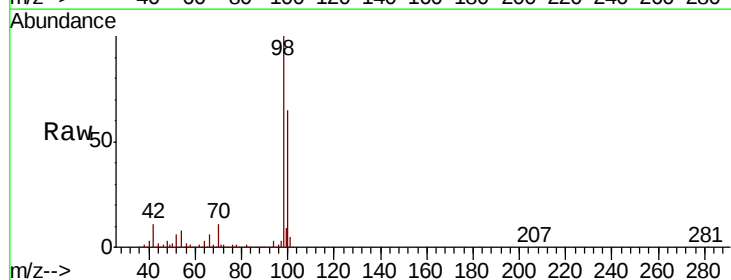
Instrument :
MSVOA_N
ClientSampled :

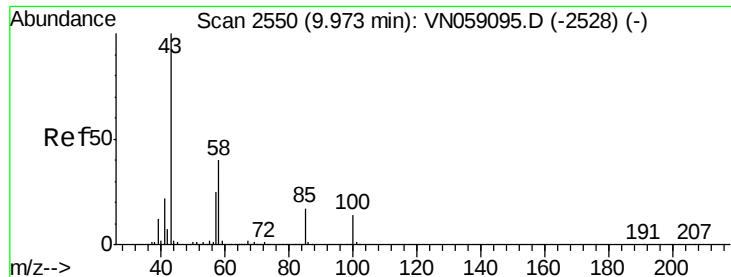
Tot Ion:117 Resp: 39945
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 51.789 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059261.D
Acq: 15 Nov 2019 13:29

Tgt Ion: 98 Resp: 804237
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 0.224 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.01 min

Lab File: VN059261.D

Acq: 15 Nov 2019 13:29

Instrument :

MSVOA_N

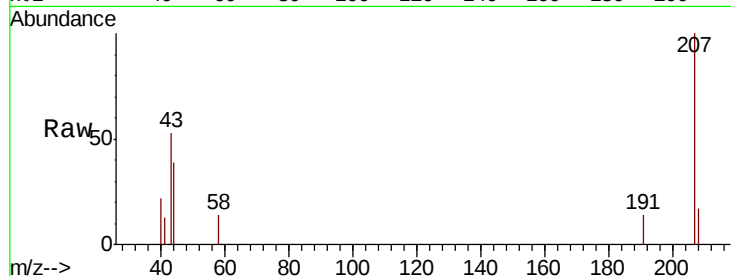
ClientSampled :

Tot Ion: 43 Resp: 1390

Ion Ratio Lower Upper

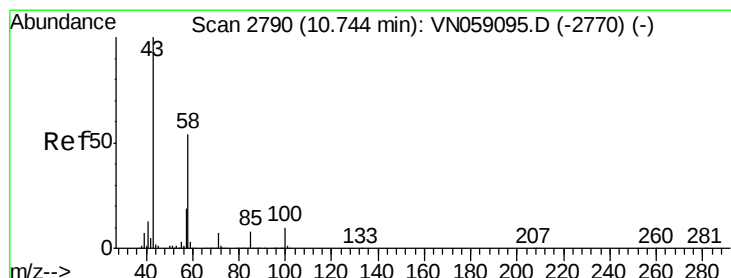
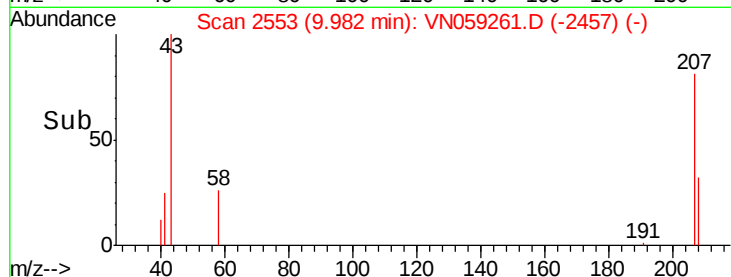
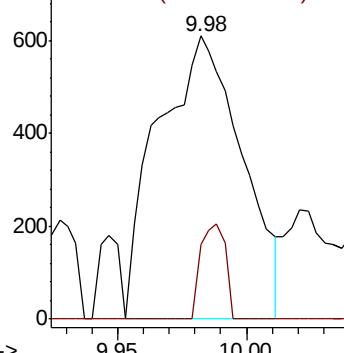
43 100

58 0.0 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 0.367 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.02 min

Lab File: VN059261.D

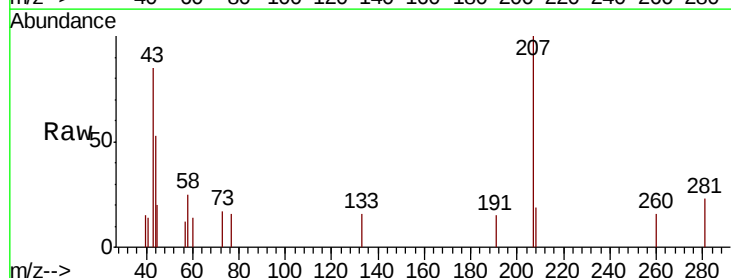
Acq: 15 Nov 2019 13:29

Tgt Ion: 43 Resp: 1747

Ion Ratio Lower Upper

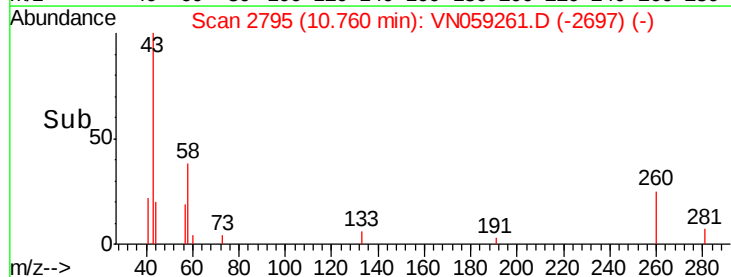
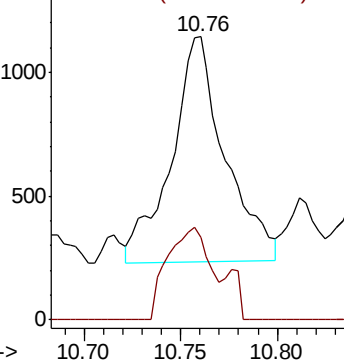
43 100

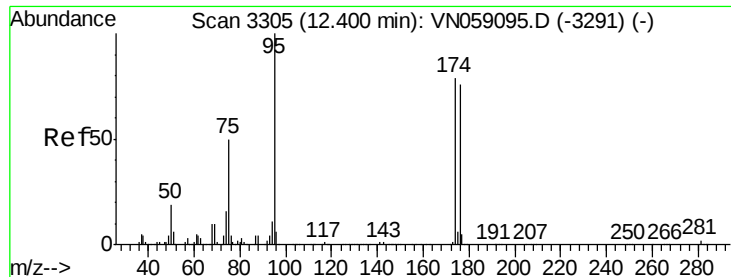
58 32.6 27.3 81.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

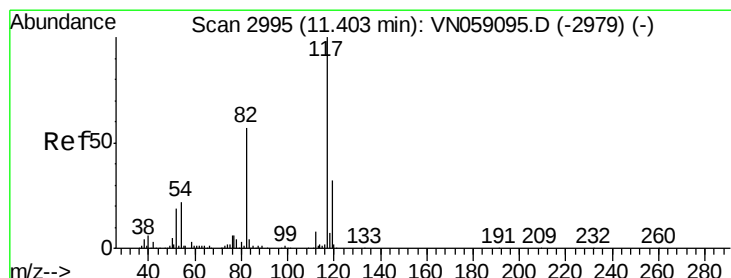
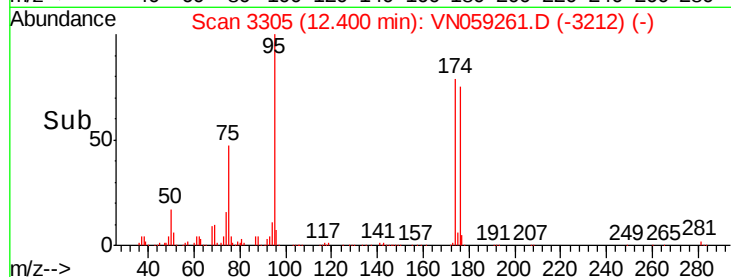
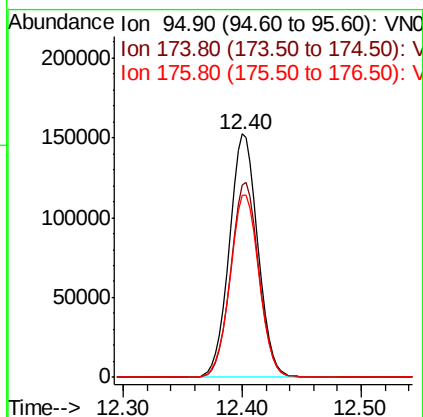
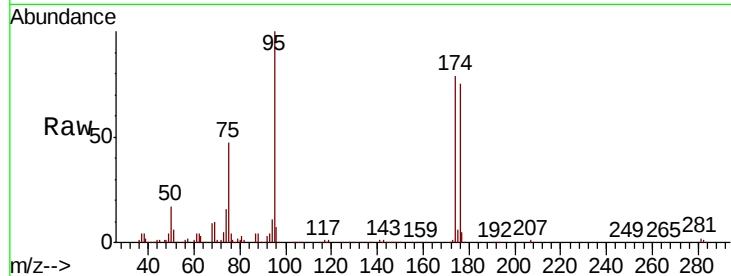




#62
4-Bromofluorobenzene
Concen: 45.096 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059261.D
Acq: 15 Nov 2019 13:29

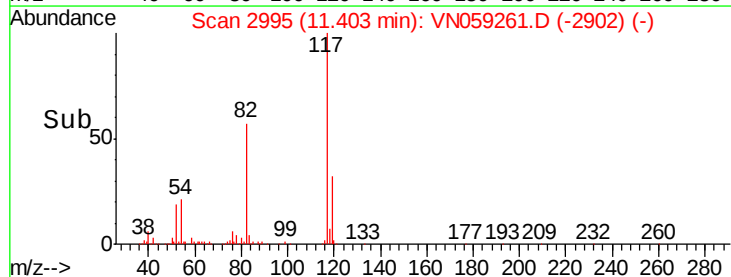
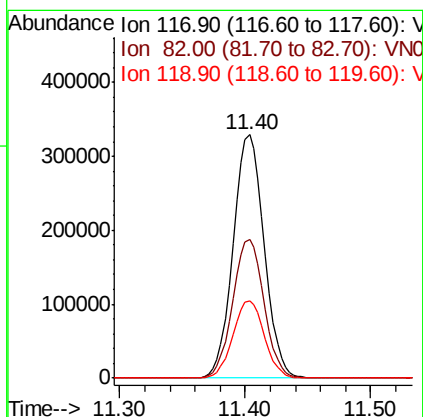
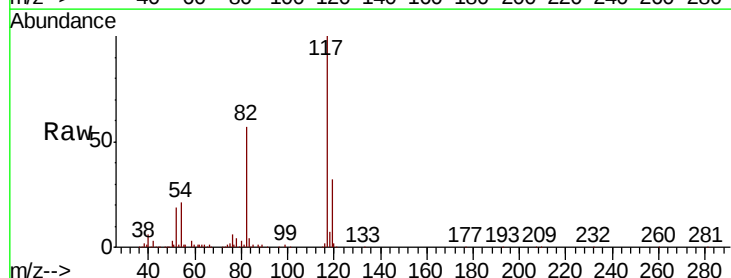
Instrument :
MSVOA_N
ClientSampleId :

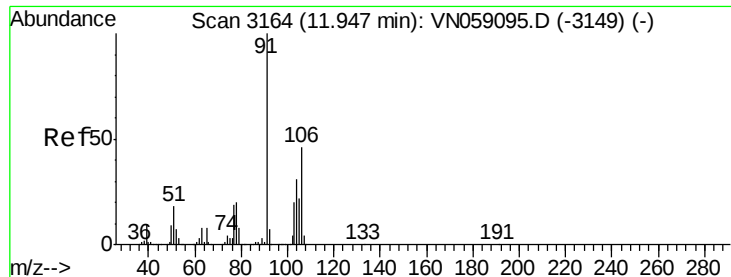
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.5	0.0	158.2
176	76.5	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059261.D
Acq: 15 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.8	68.8
119	31.8	25.8	38.6

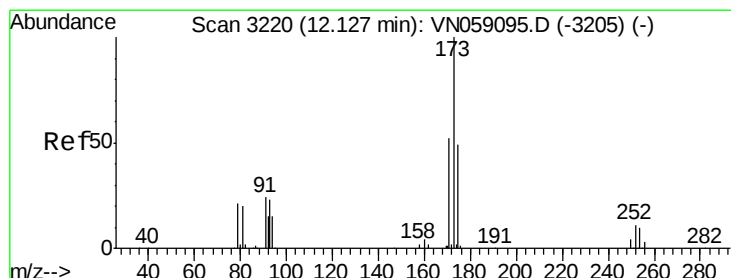
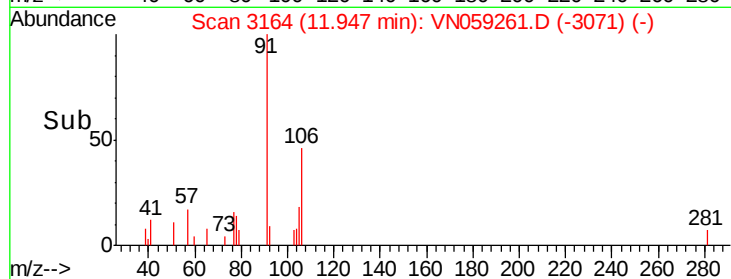
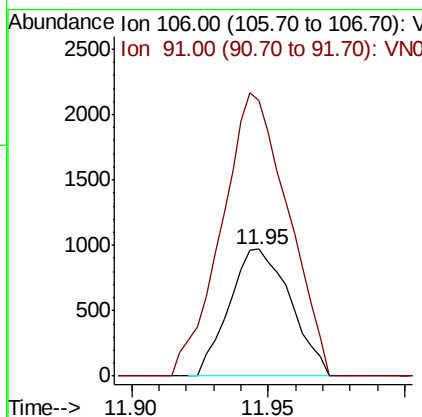
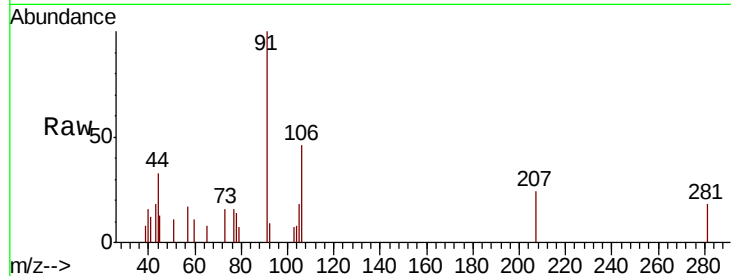




#69
o-Xylene
Concen: 0.214 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059261.D
Acq: 15 Nov 2019 13:29

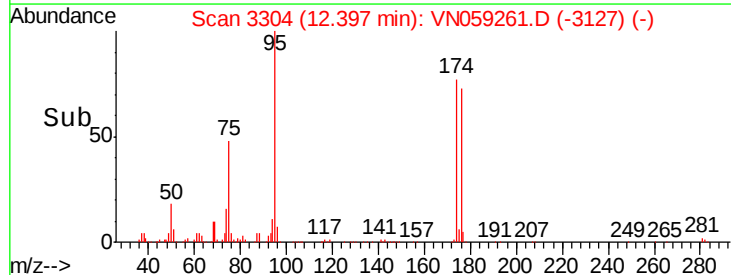
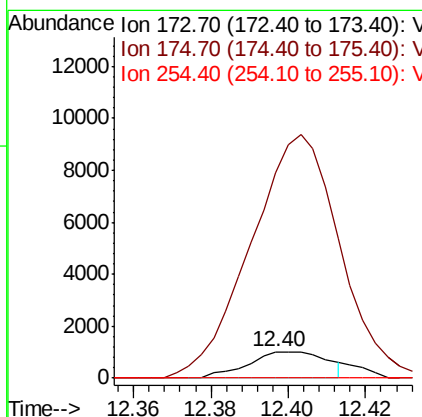
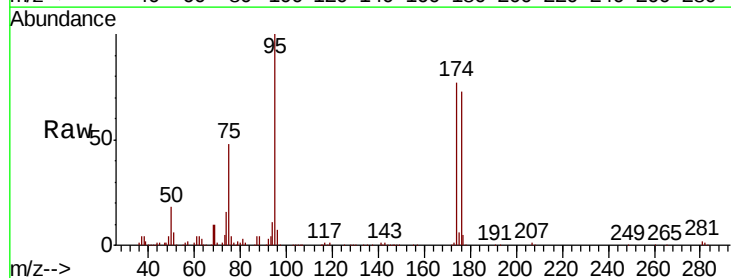
Instrument :
MSVOA_N
ClientSampled :

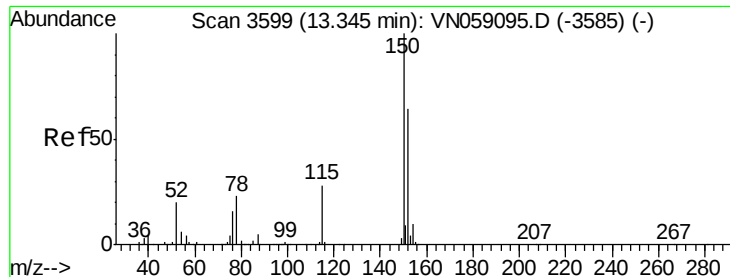
Tot Ion:106 Resp: 1513
Ion Ratio Lower Upper
106 100
91 242.0 110.1 330.3



#71
Bromoform
Concen: 0.453 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN059261.D
Acq: 15 Nov 2019 13:29

Tgt Ion:173 Resp: 1456
Ion Ratio Lower Upper
173 100
175 916.5 24.2 72.6#
254 0.0 0.1 0.1#



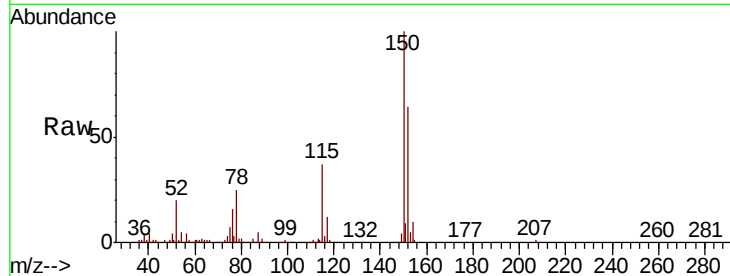


#72

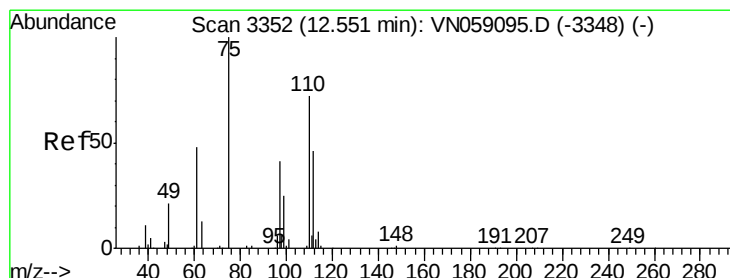
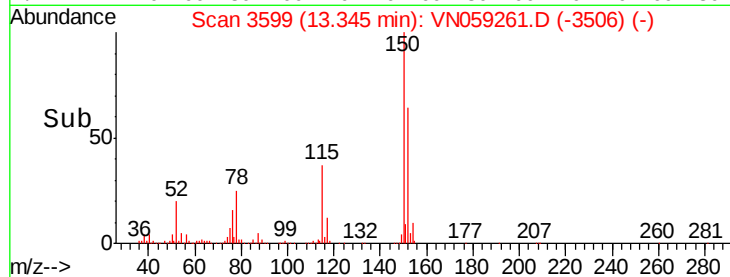
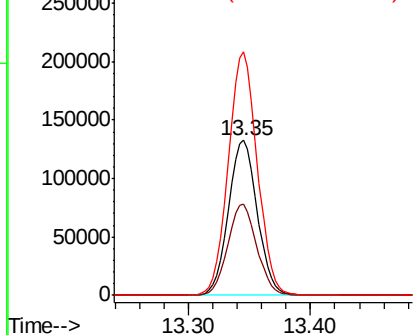
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059261.D
Acq: 15 Nov 2019 13:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.4	88.2
150	157.3	0.0	345.8



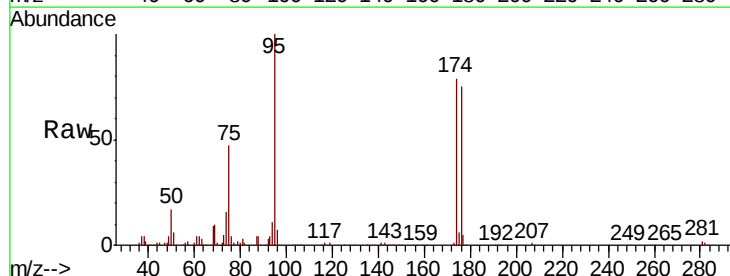
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



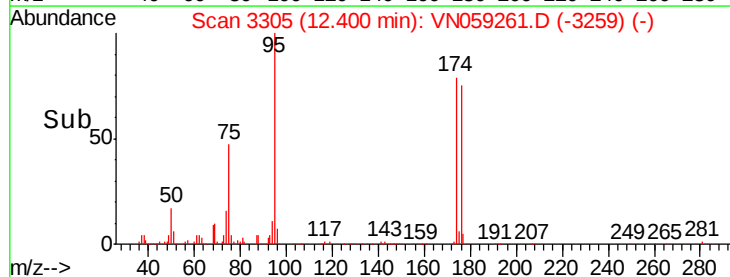
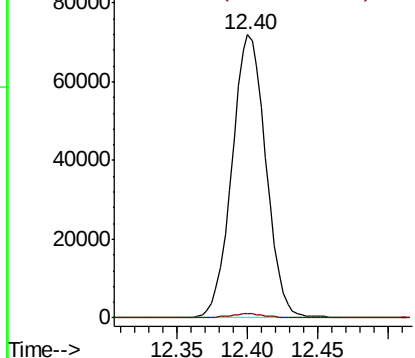
#76

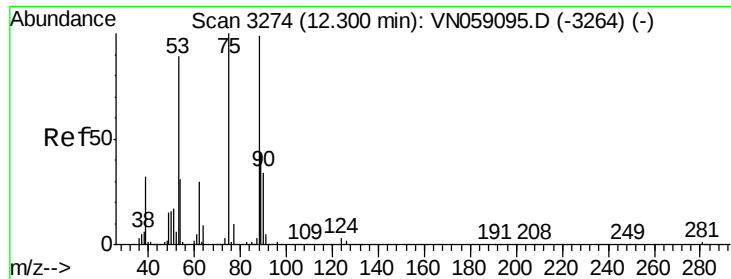
1,2,3-Trichloropropane
Concen: 24.293 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN059261.D
Acq: 15 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	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: 64.164 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059261.D

Acq: 15 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampled :

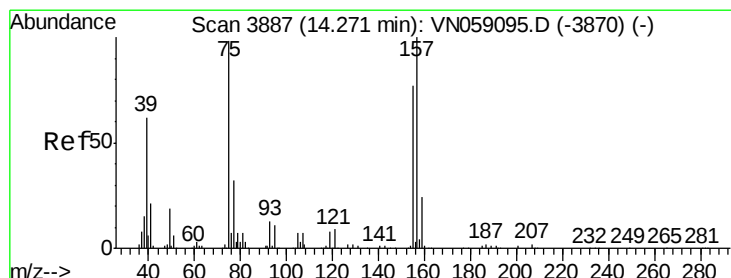
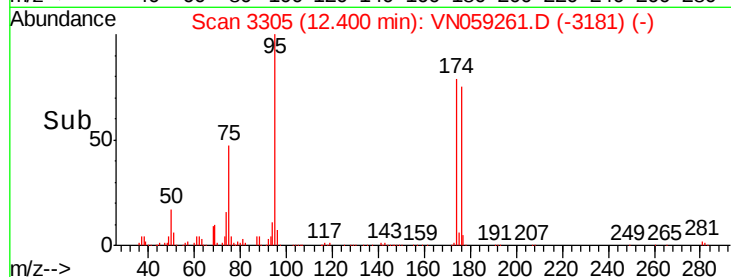
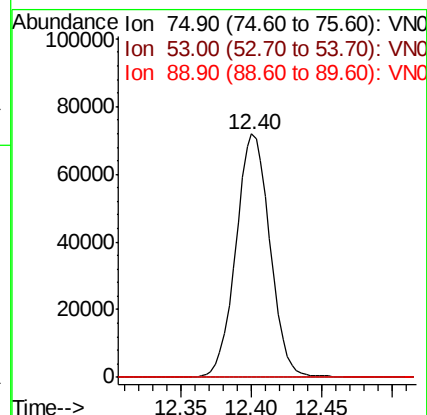
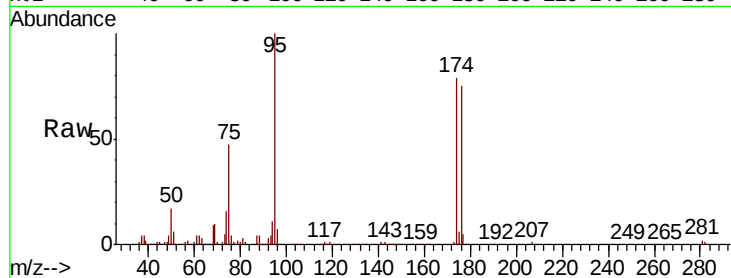
Tot Ion: 75 Resp: 121399

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

89 0.1 35.8 53.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.271 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059261.D

Acq: 15 Nov 2019 13:29

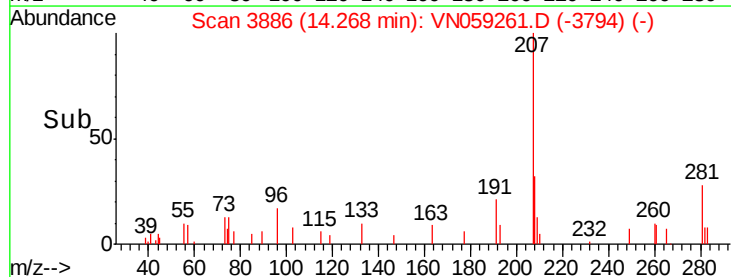
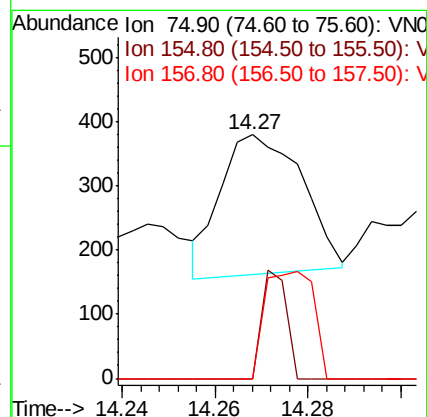
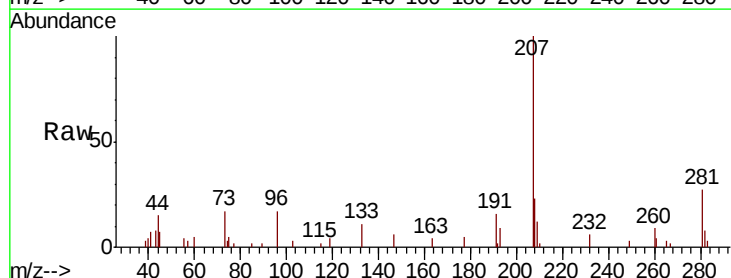
Tgt Ion: 75 Resp: 266

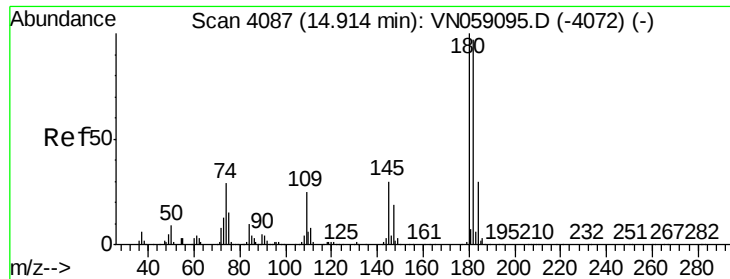
Ion Ratio Lower Upper

75 100

155 23.3 40.2 120.6#

157 46.2 51.8 155.5#

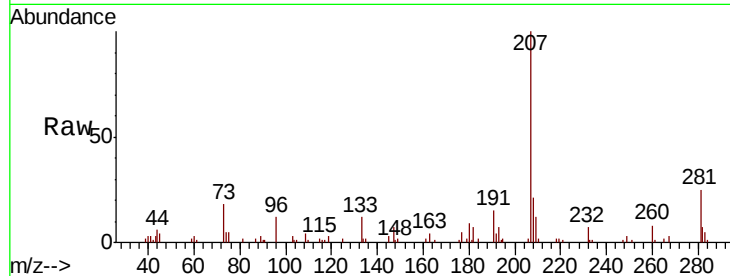




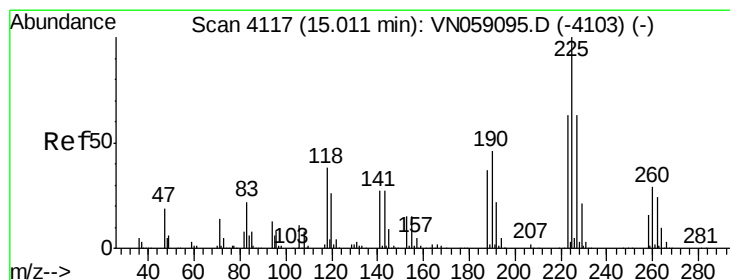
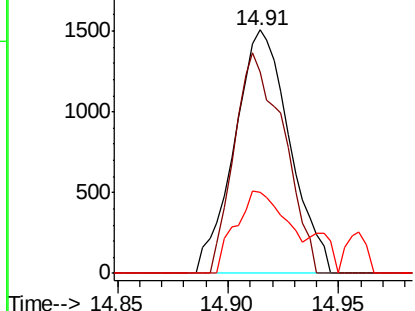
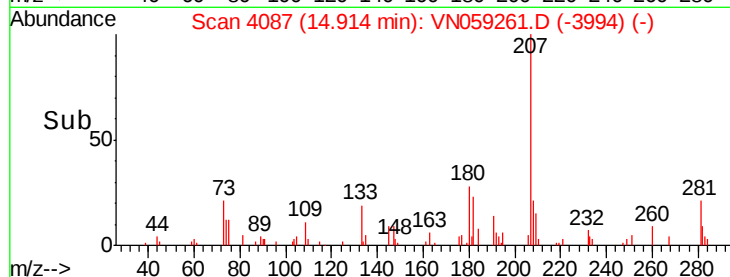
#93
 1,2,4-Trichlorobenzene
 Concen: 3.646 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059261.D
 Acq: 15 Nov 2019 13:29

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	81.1	48.1	144.3
145	31.2	15.1	45.3

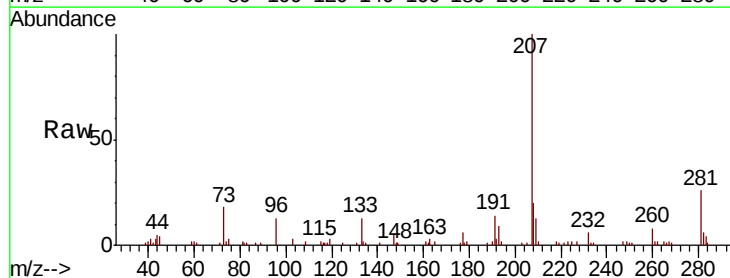


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

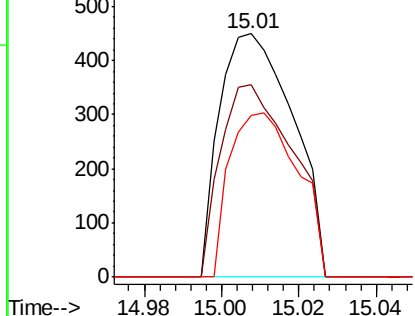
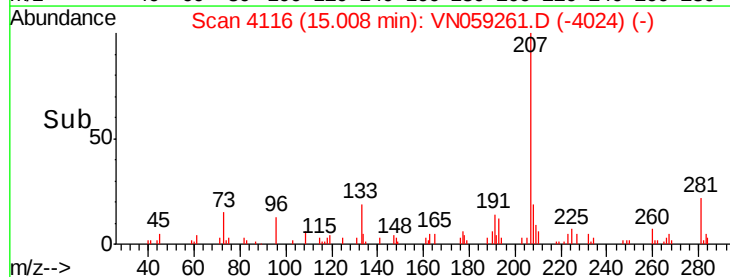


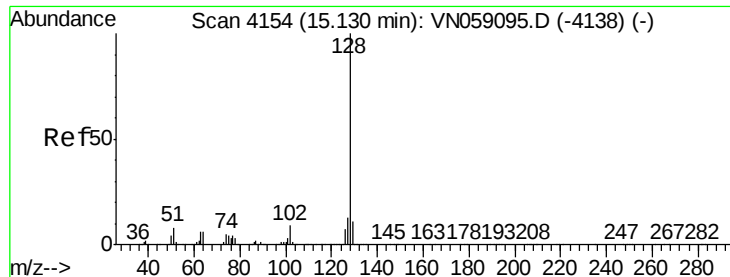
#94
 Hexachlorobutadiene
 Concen: 0.256 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059261.D
 Acq: 15 Nov 2019 13:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	77.3	31.3	93.9
227	62.2	31.5	94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.770 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059261.D

Acq: 15 Nov 2019 13:29

Instrument :

MSVOA_N

ClientSampled :

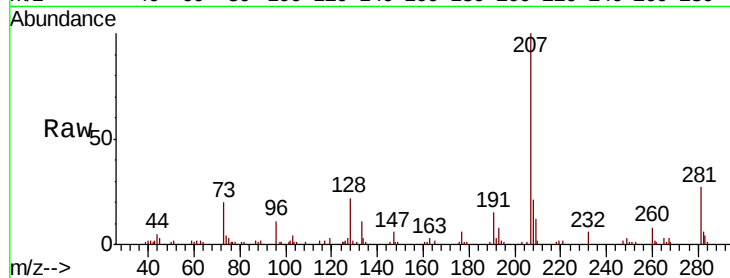
Tot Ion:128 Resp: 8784

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.2

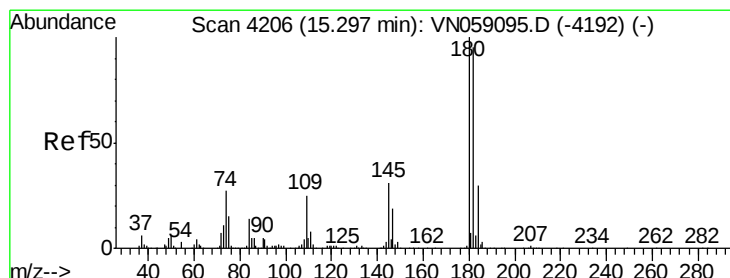
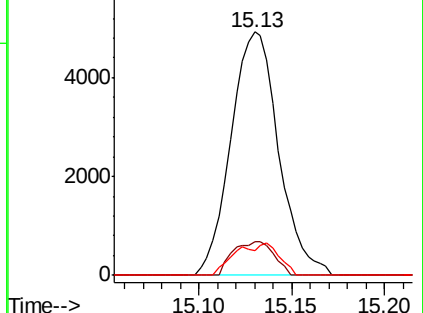
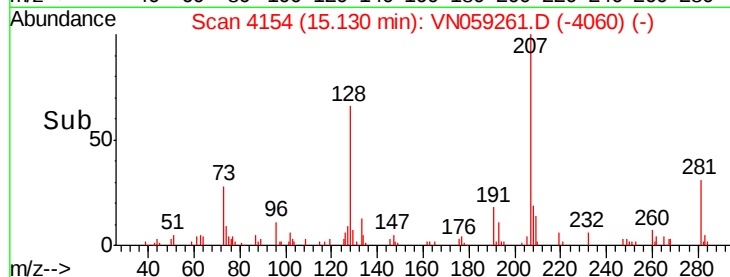
129 6.3 8.6 12.8#



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: 0.825 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059261.D

Acq: 15 Nov 2019 13:29

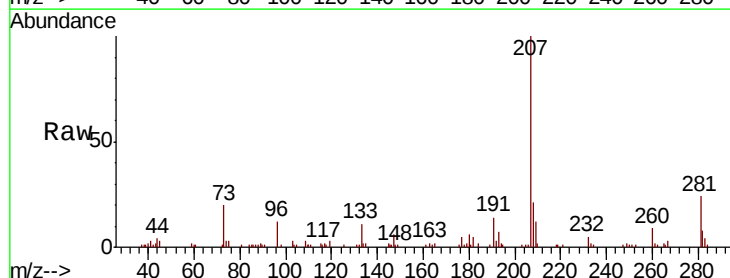
Tgt Ion:180 Resp: 3124

Ion Ratio Lower Upper

180 100

182 91.7 47.3 141.8

145 43.7 15.8 47.3



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

