

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111519\
 Data File : VN059259.D
 Acq On : 15 Nov 2019 12:46
 Operator : JC/SP
 Sample : K5858-01
 Misc : 5.10uL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 16 00:27:09 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	426621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	656766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	573065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	220256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	260595	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	7.56	113	200369	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	10.08	98	794073	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.40	95	253635	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	

Target Compounds

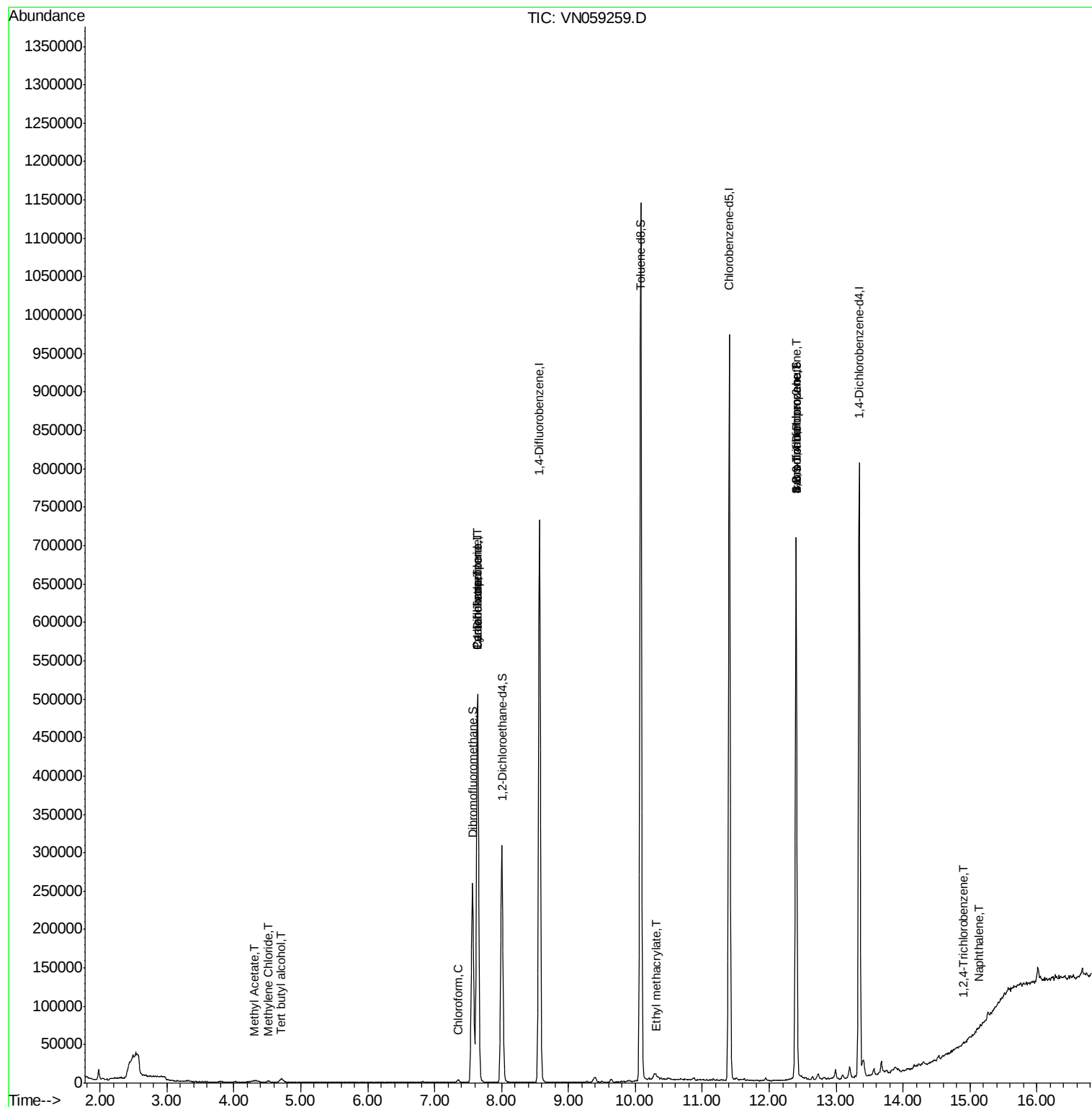
						Qvalue
11) Tert butyl alcohol	4.71	59	5491	5.494	ug/l #	72
18) Methyl Acetate	4.31	43	2563	0.396	ug/l #	58
20) Methylene Chloride	4.52	84	1255	0.264	ug/l #	85
30) Chloroform	7.35	83	4037	0.488	ug/l	85
31) Cyclohexane	7.64	56	8273	1.013	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	31863	5.190	ug/l #	50
38) Carbon Tetrachloride	7.64	117	39709	6.499	ug/l #	18
56) Ethyl methacrylate	10.33	69	29	1.877	ug/l #	1
71) Bromoform	12.40	173	1330	0.408	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	125250	24.978	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	125250	65.973	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	189	3.089	ug/l #	12
95) Naphthalene	15.14	128	634	3.097	ug/l #	70

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

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ClientSampleId :

Quant Time: Nov 16 00:27:09 2019
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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: VN059259.D

Acq: 15 Nov 2019 12:46

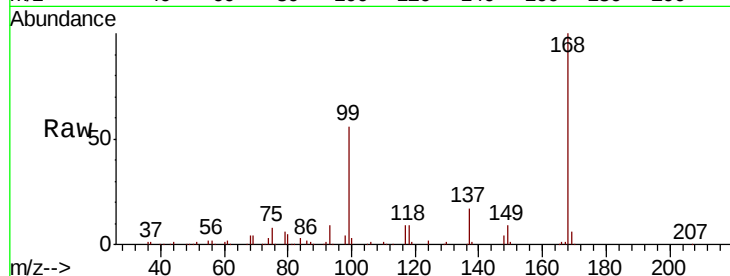
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 426621

Ion Ratio Lower Upper

168 100

99 55.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

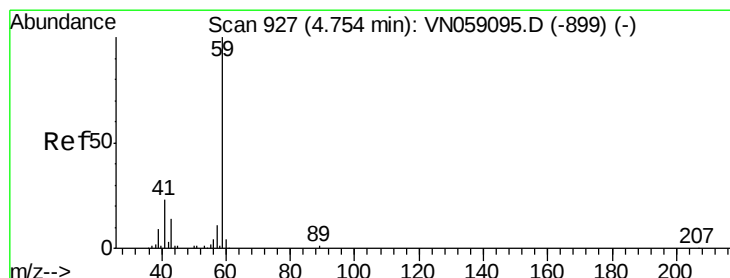
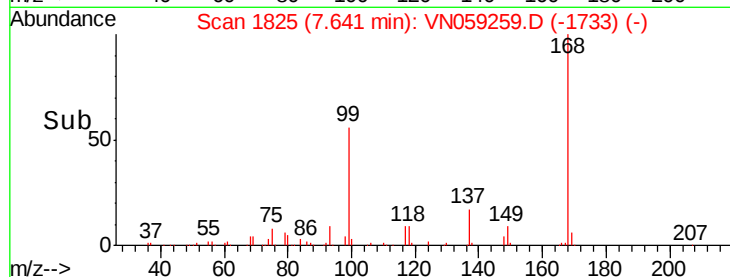
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.494 ug/l

RT: 4.71 min Scan# 913

Delta R.T. -0.05 min

Lab File: VN059259.D

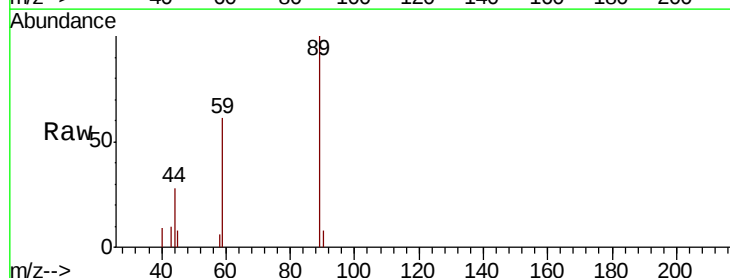
Acq: 15 Nov 2019 12:46

Tgt Ion: 59 Resp: 5491

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.71

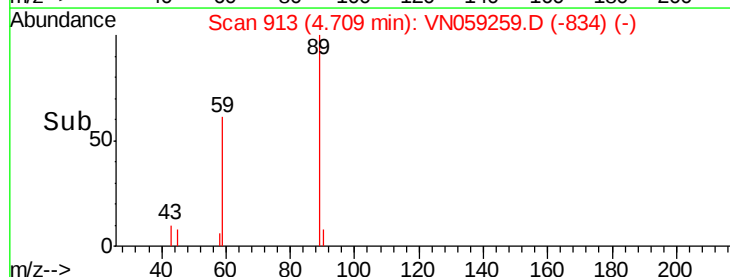
1500

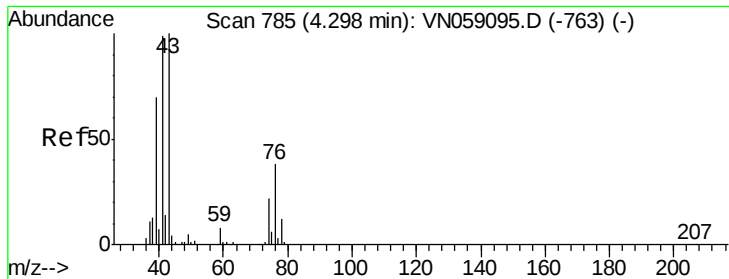
1000

500

0

Time-->

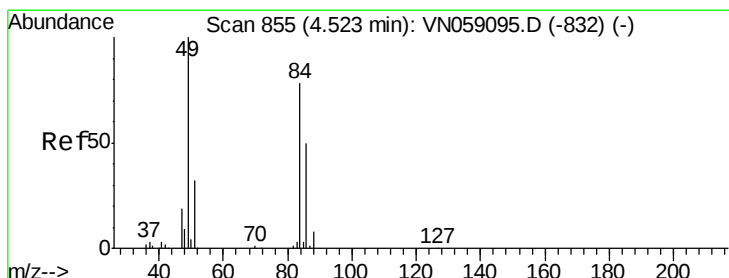
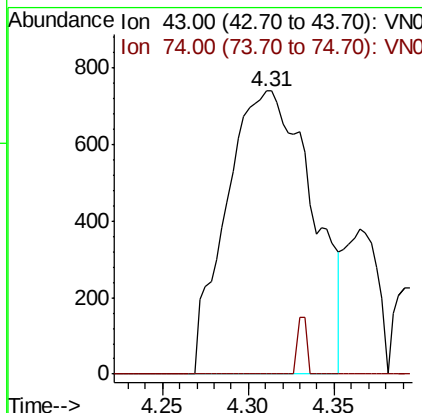
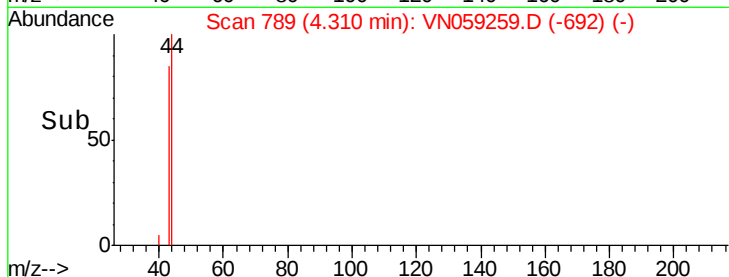
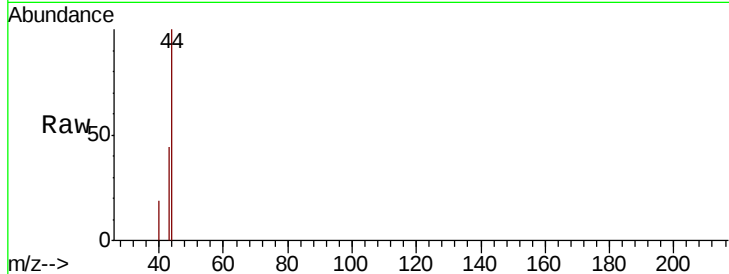




#18
Methyl Acetate
Concen: 0.396 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN059259.D
Acq: 15 Nov 2019 12:46

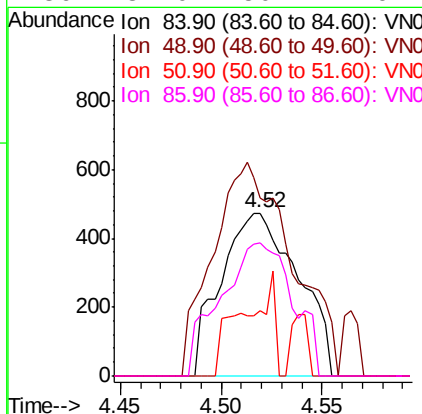
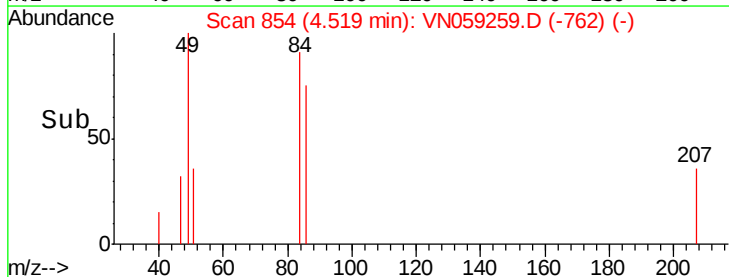
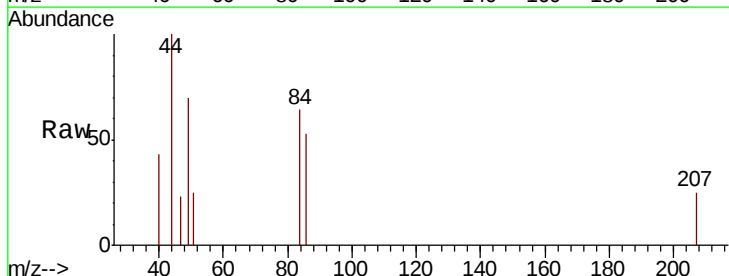
Instrument :
MSVOA_N
ClientSampled :

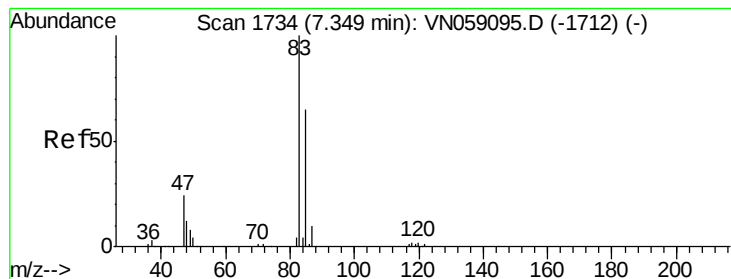
Tot Ion: 43 Resp: 2563
Ion Ratio Lower Upper
43 100
74 2.3 17.8 26.8#



#20
Methylene Chloride
Concen: 0.264 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059259.D
Acq: 15 Nov 2019 12:46

Tgt Ion: 84 Resp: 1255
Ion Ratio Lower Upper
84 100
49 109.3 102.0 153.0
51 39.7 32.2 48.2
86 82.0 50.7 76.1#





#30

Chloroform

Concen: 0.488 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059259.D

Acq: 15 Nov 2019 12:46

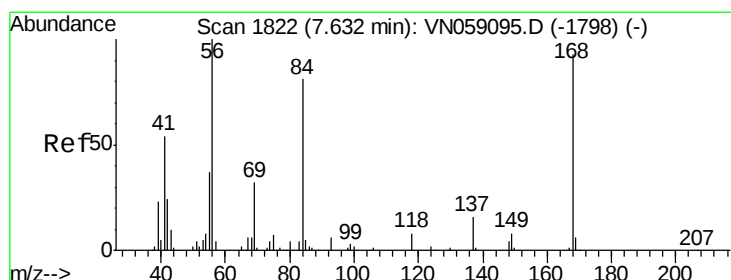
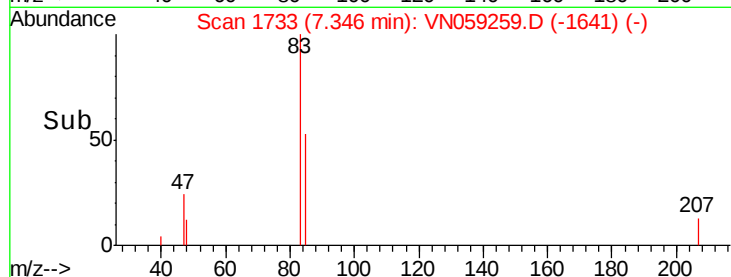
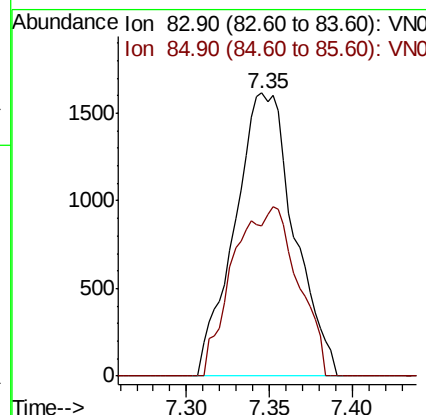
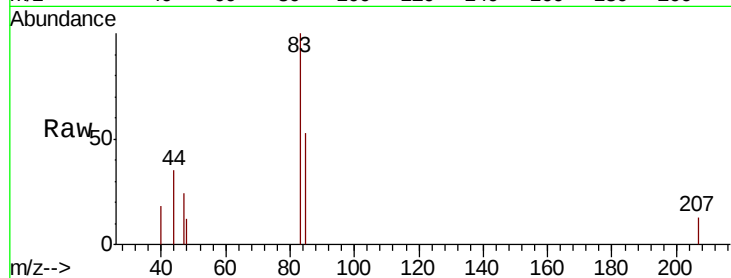
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 4037

Ion Ratio Lower Upper

83 100

85 53.3 51.8 77.8



#31

Cyclohexane

Concen: 1.013 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059259.D

Acq: 15 Nov 2019 12:46

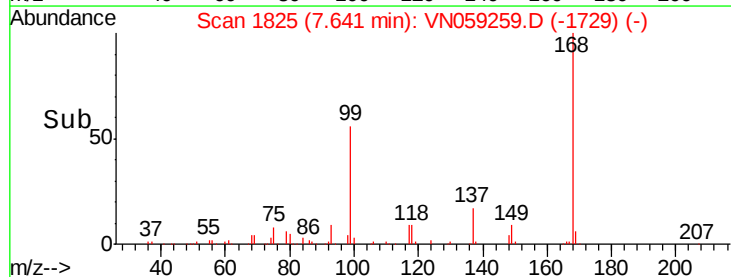
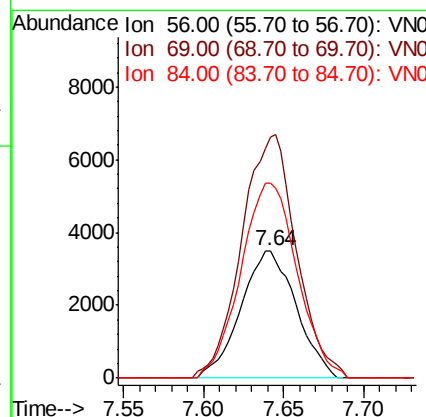
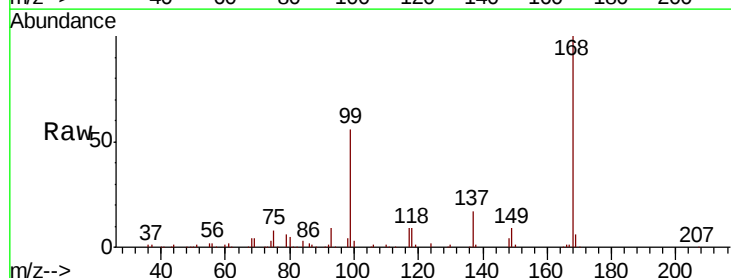
Tgt Ion: 56 Resp: 8273

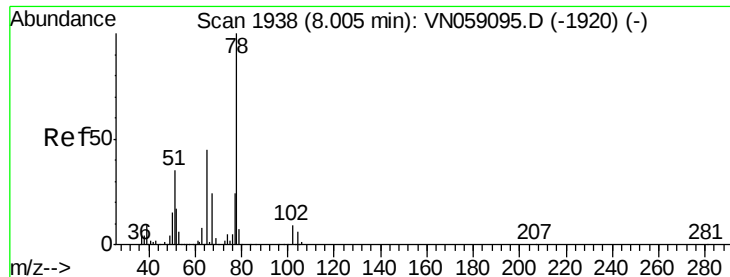
Ion Ratio Lower Upper

56 100

69 189.9 25.8 38.8#

84 153.7 65.0 97.4#

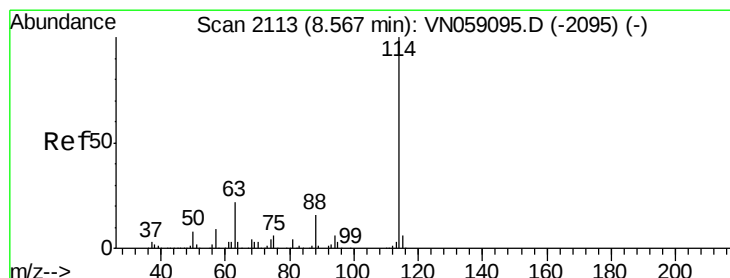
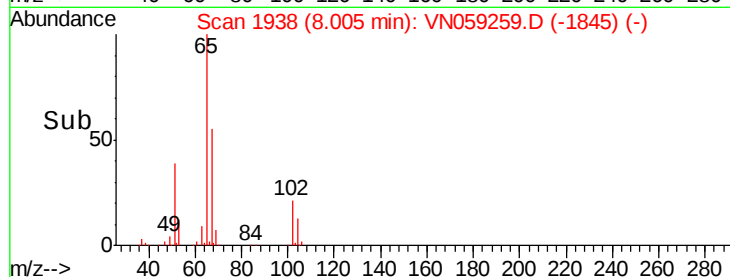
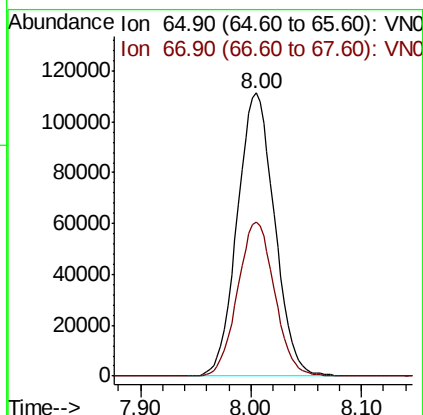
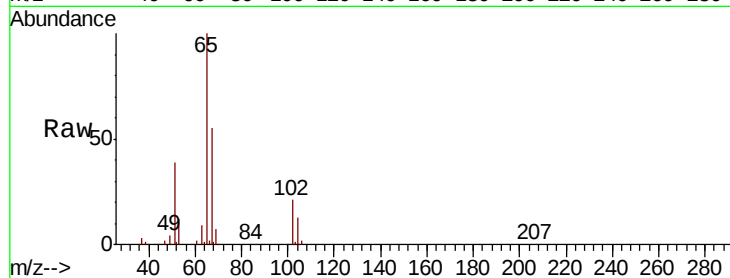




#33
 1,2-Dichloroethane-d4
 Concen: 49.691 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059259.D
 Acq: 15 Nov 2019 12:46

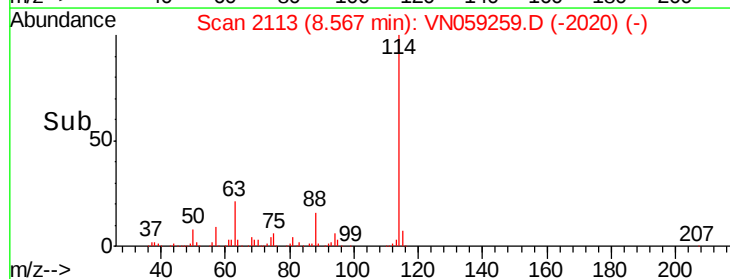
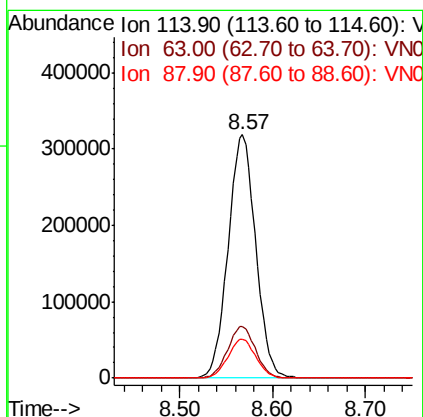
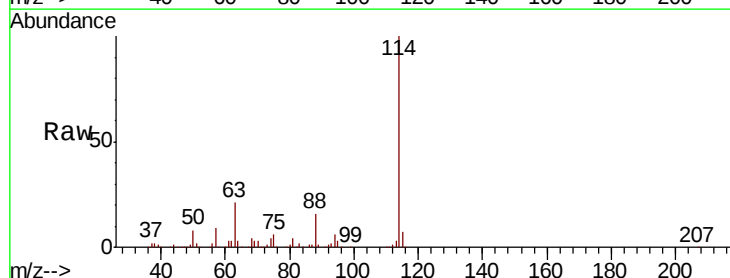
Instrument :
 MSVOA_N
 ClientSampleId :

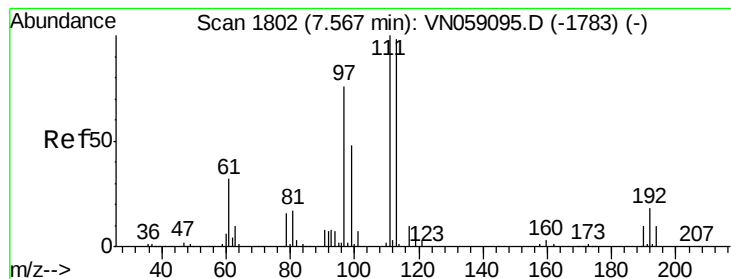
Tot Ion: 65 Resp: 260595
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059259.D
 Acq: 15 Nov 2019 12:46

Tgt Ion: 114 Resp: 656766
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.4
 88 16.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.095 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059259.D

Acq: 15 Nov 2019 12:46

Instrument :
MSVOA_N
ClientSampleId :

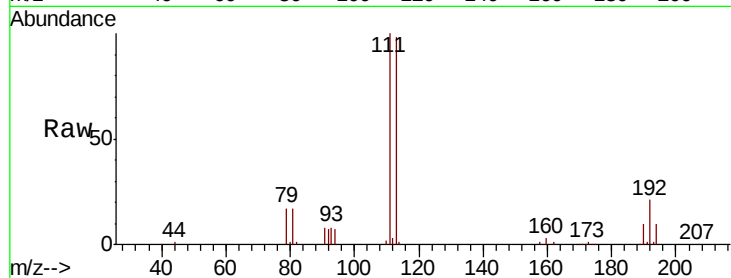
Tot Ion:113 Resp: 200369

Ion Ratio Lower Upper

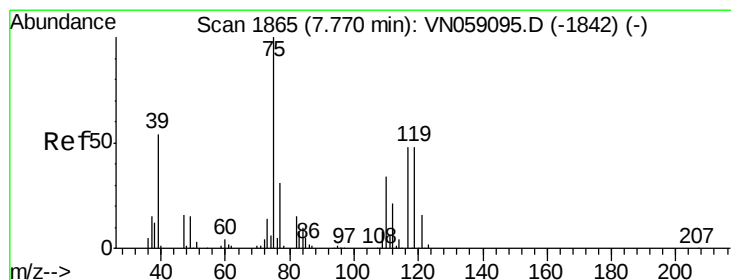
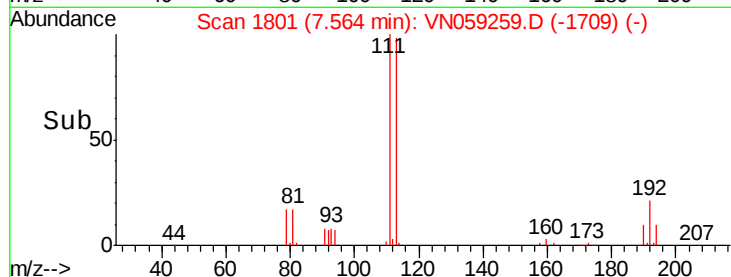
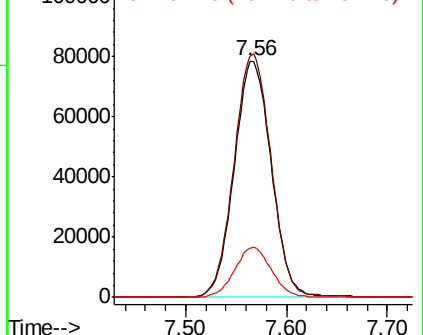
113 100

111 103.0 82.8 124.2

192 20.9 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.190 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN059259.D

Acq: 15 Nov 2019 12:46

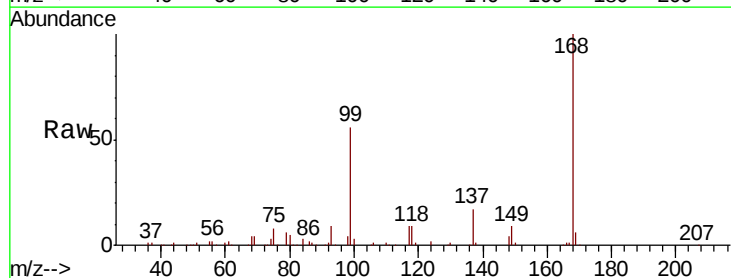
Tgt Ion: 75 Resp: 31863

Ion Ratio Lower Upper

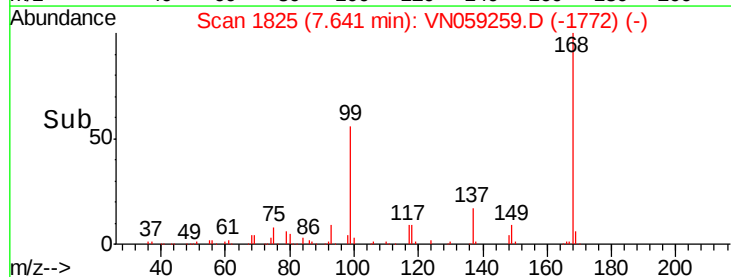
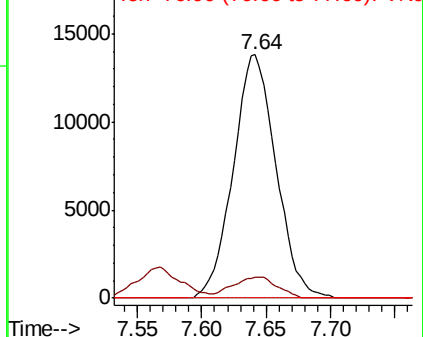
75 100

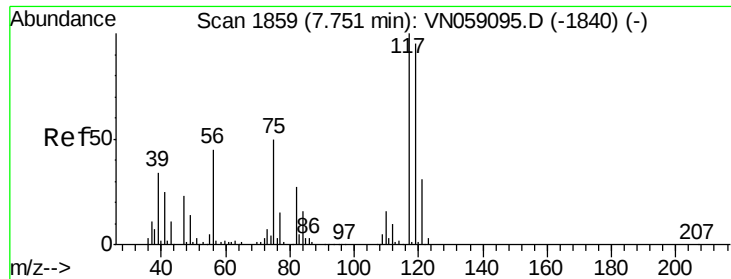
110 9.0 17.1 51.2#

77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

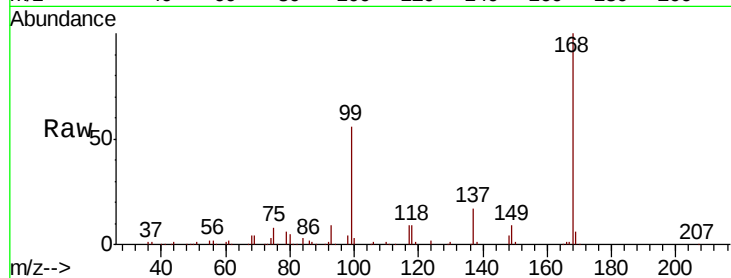




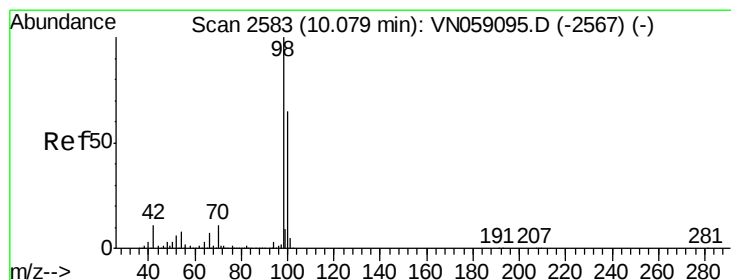
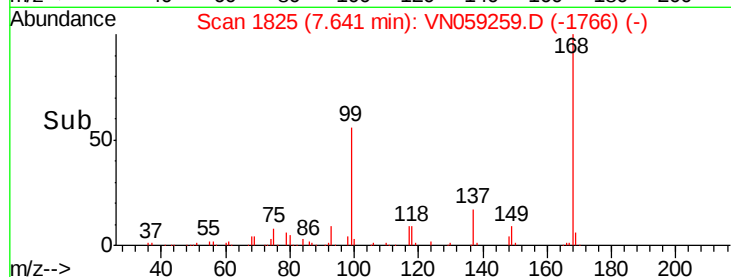
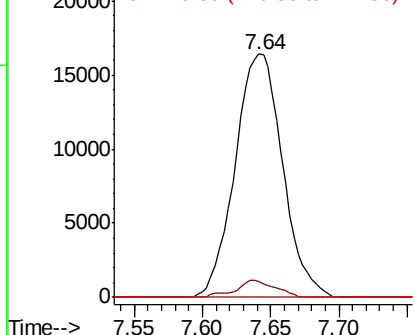
#38
Carbon Tetrachloride
Concen: 6.499 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059259.D
Acq: 15 Nov 2019 12:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 39709
Ion Ratio Lower Upper
117 100
119 6.4 75.6 113.4#
121 0.0 24.6 36.8#

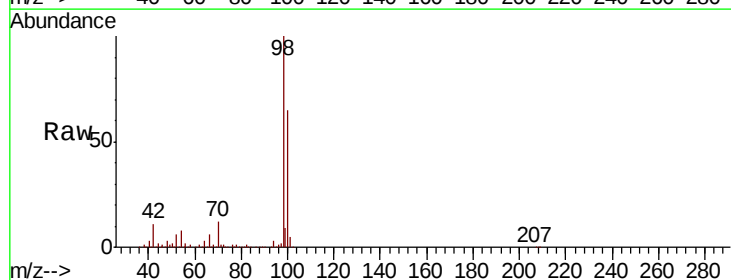


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

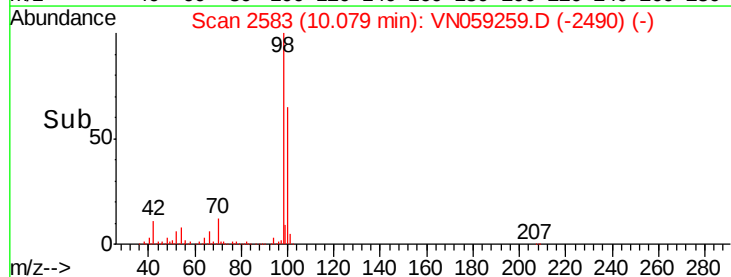
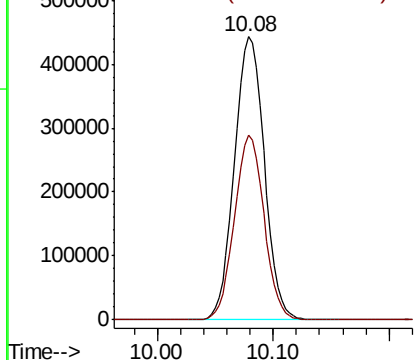


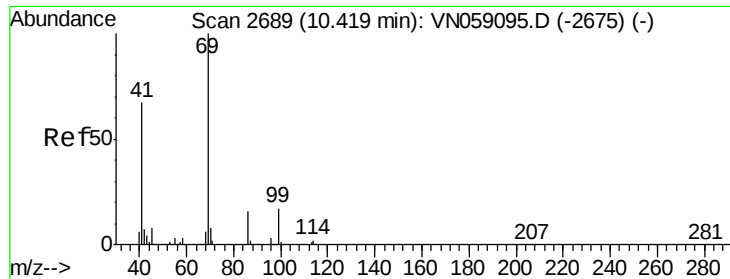
#50
Toluene-d8
Concen: 51.408 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059259.D
Acq: 15 Nov 2019 12:46

Tgt Ion: 98 Resp: 794073
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN

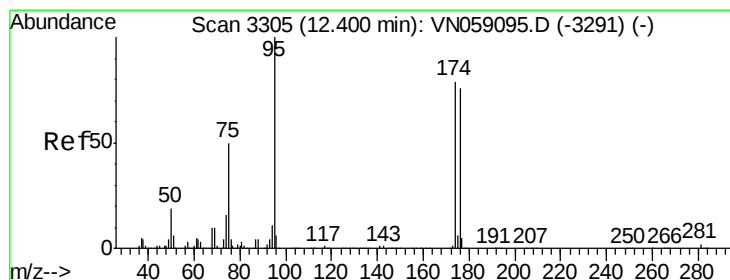
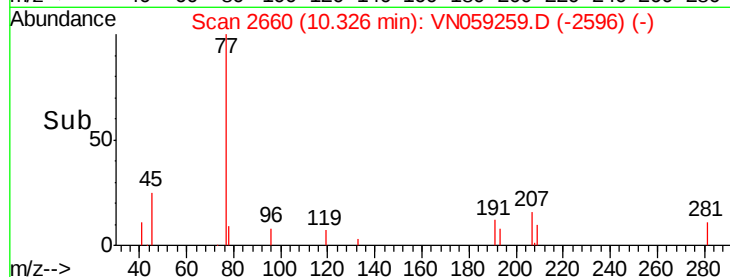
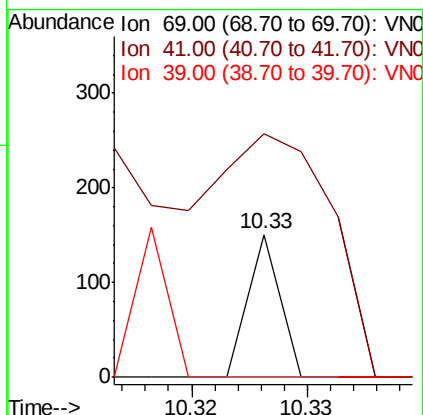
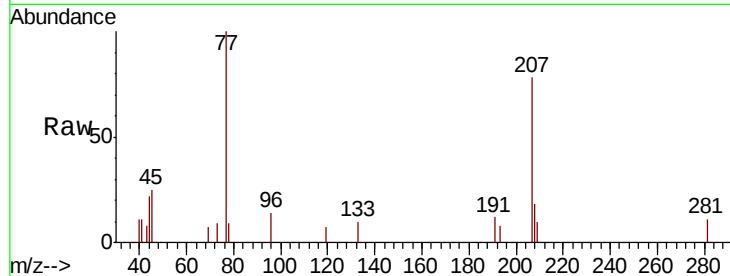




#56
Ethyl methacrylate
Concen: 1.877 ug/l
RT: 10.33 min Scan# 2660
Delta R.T. -0.09 min
Lab File: VN059259.D
Acq: 15 Nov 2019 12:46

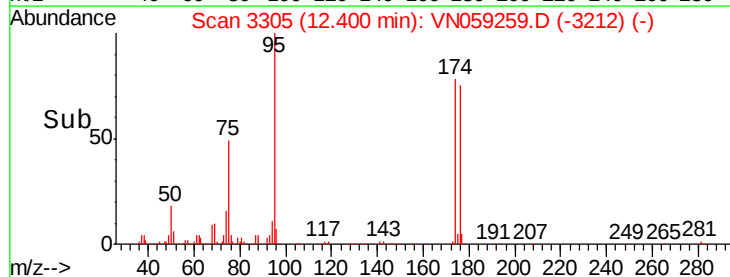
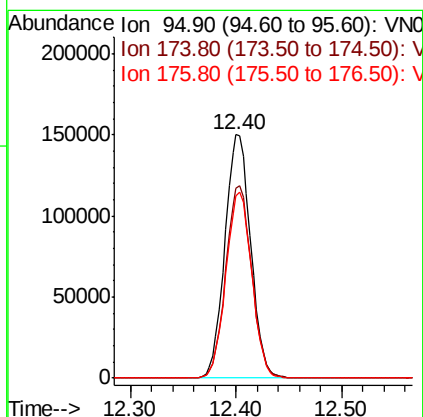
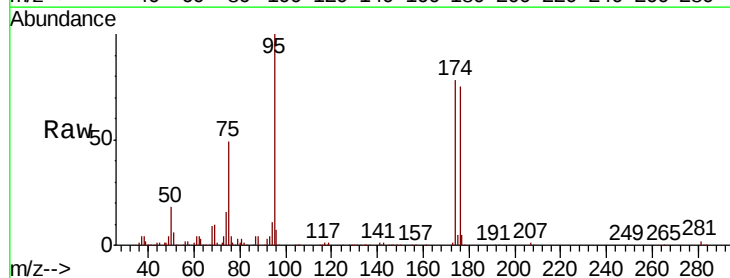
Instrument :
MSVOA_N
ClientSampleId :

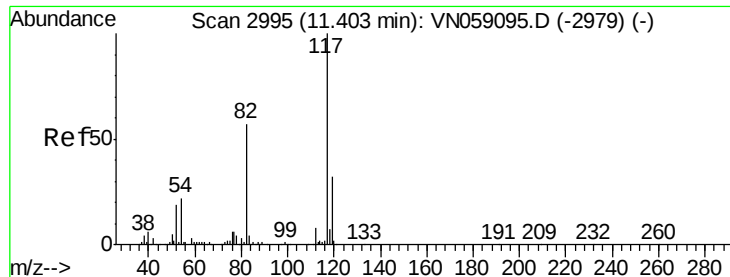
Tot Ion	Ratio	Lower	Upper
69	100		
41	589.7	53.6	80.4#
39	106.9	26.2	39.4#



#62
4-Bromofluorobenzene
Concen: 45.540 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059259.D
Acq: 15 Nov 2019 12:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.4	0.0	158.2
176	76.6	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: VN059259.D

Acq: 15 Nov 2019 12:46

Instrument :

MSVOA_N

ClientSampleId :

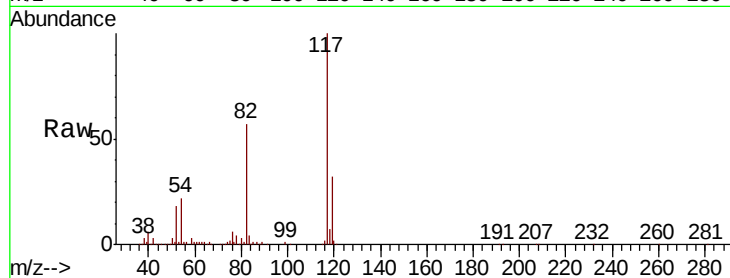
Tot Ion:117 Resp: 573065

Ion Ratio Lower Upper

117 100

82 57.2 45.8 68.8

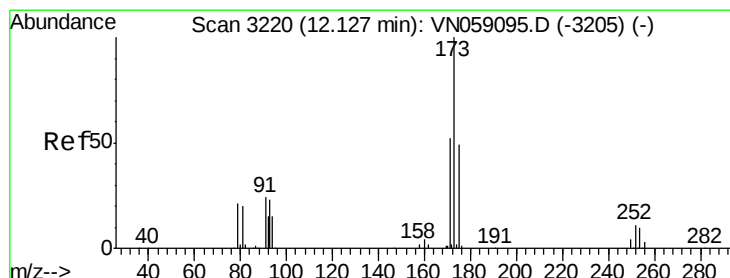
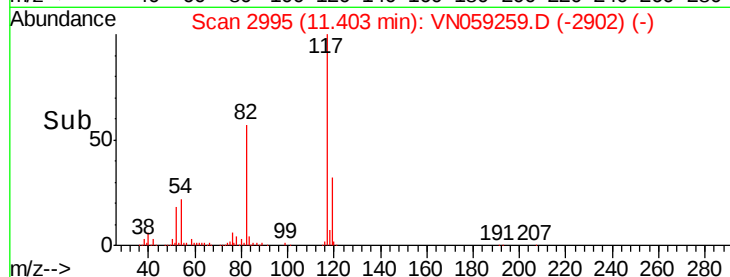
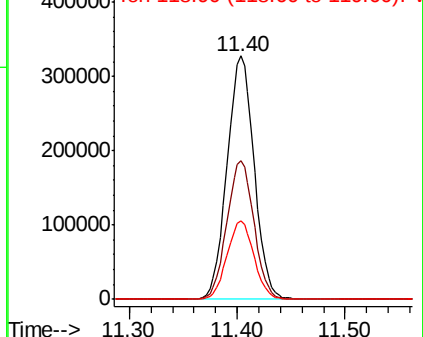
119 32.2 25.8 38.6



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



#71

Bromoform

Concen: 0.408 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059259.D

Acq: 15 Nov 2019 12:46

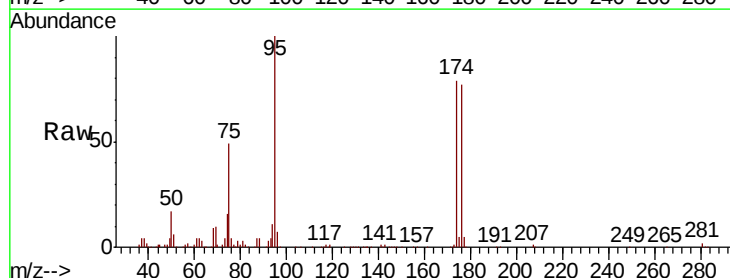
Tgt Ion:173 Resp: 1330

Ion Ratio Lower Upper

173 100

175 910.2 24.2 72.6#

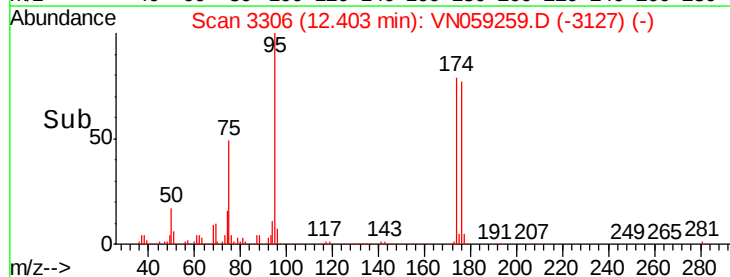
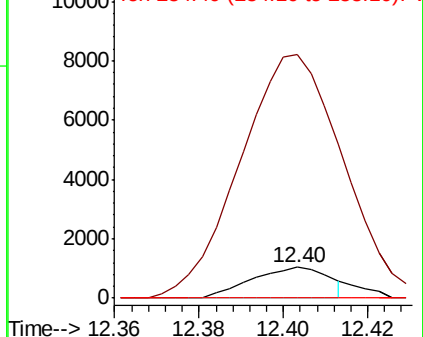
254 0.0 0.1 0.1#

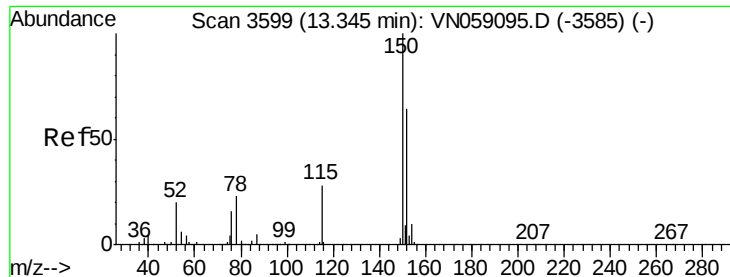


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



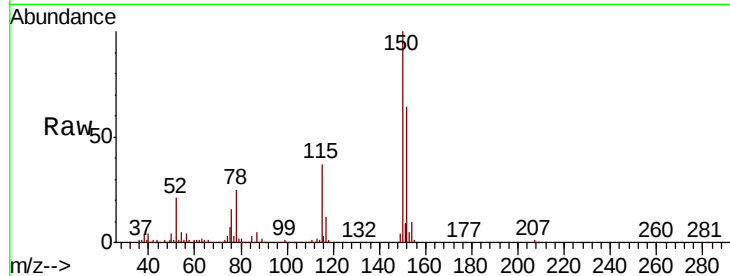


#72

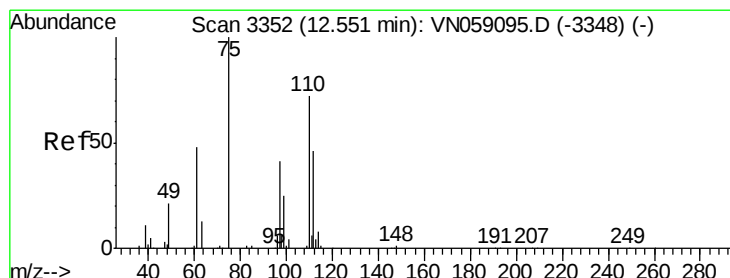
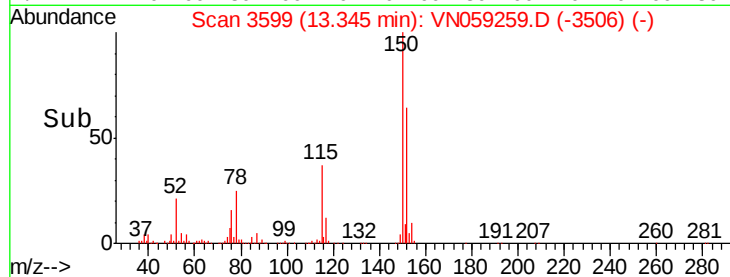
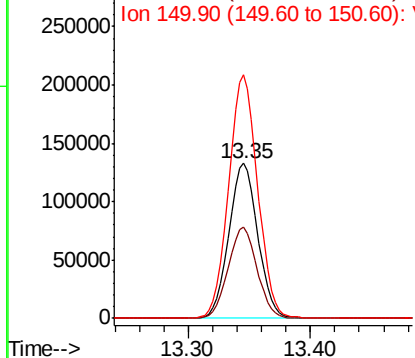
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059259.D
Acq: 15 Nov 2019 12:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.4	88.2
150	157.3	0.0	345.8



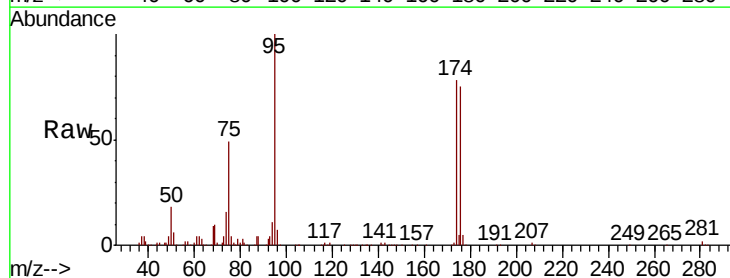
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



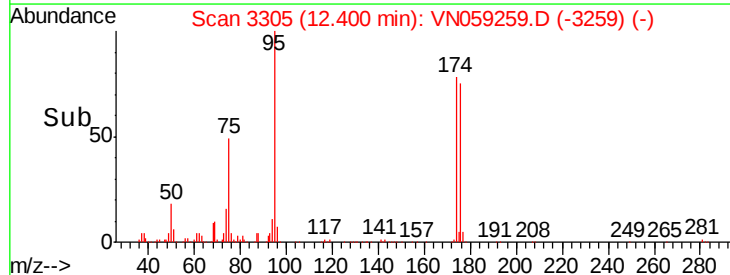
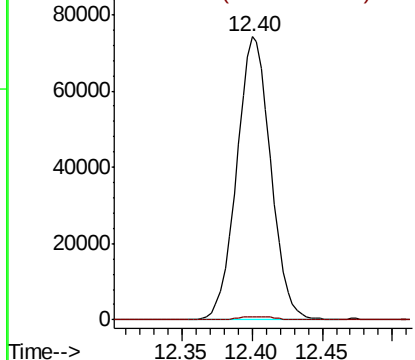
#76

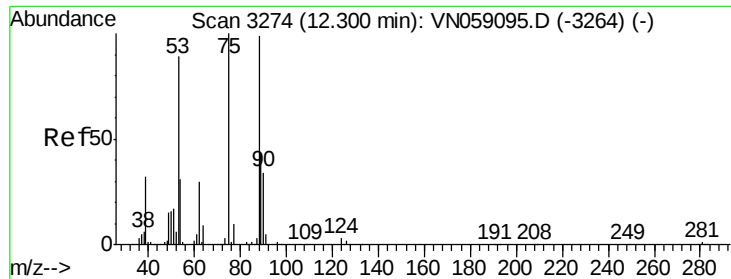
1,2,3-Trichloropropane
Concen: 24.978 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN059259.D
Acq: 15 Nov 2019 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	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: 65.973 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059259.D

Acq: 15 Nov 2019 12:46

Instrument :

MSVOA_N

ClientSampled :

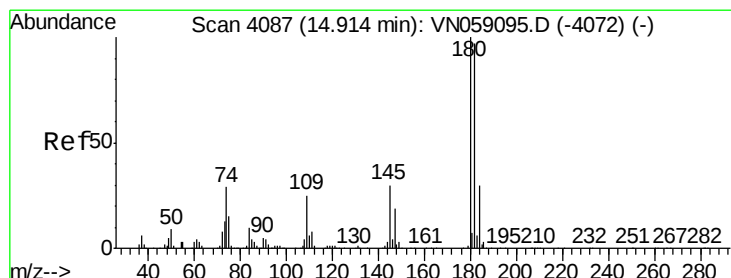
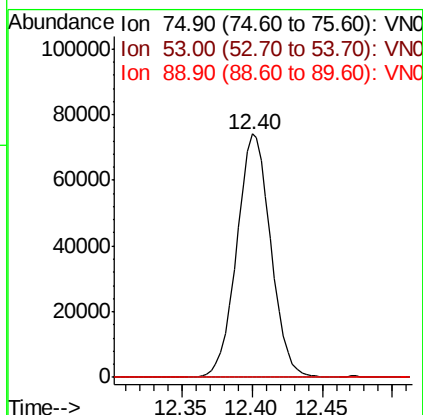
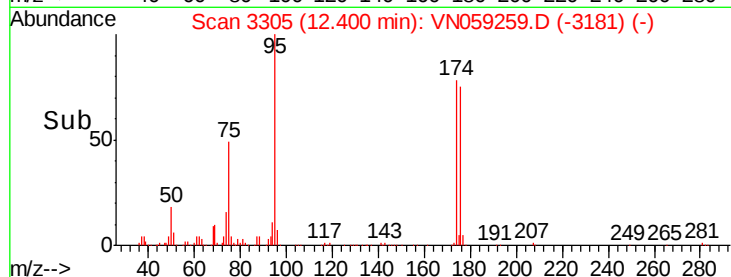
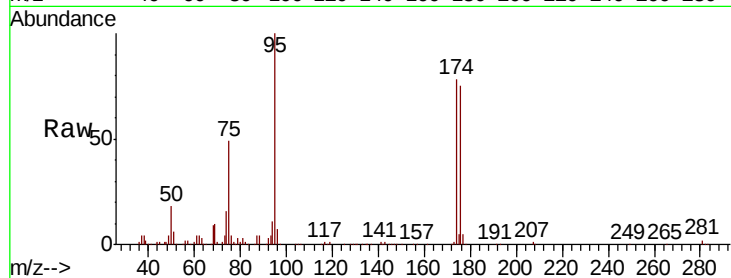
Tot Ion: 75 Resp: 125250

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

89 0.0 35.8 53.8#



#93

1,2,4-Trichlorobenzene

Concen: 3.089 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN059259.D

Acq: 15 Nov 2019 12:46

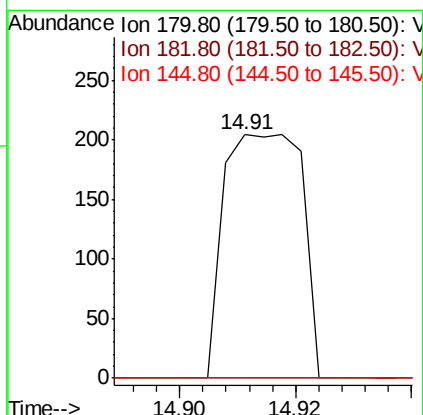
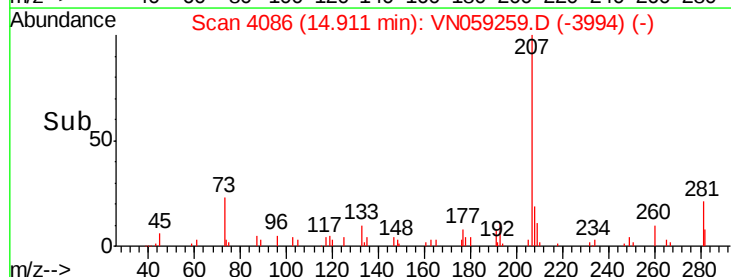
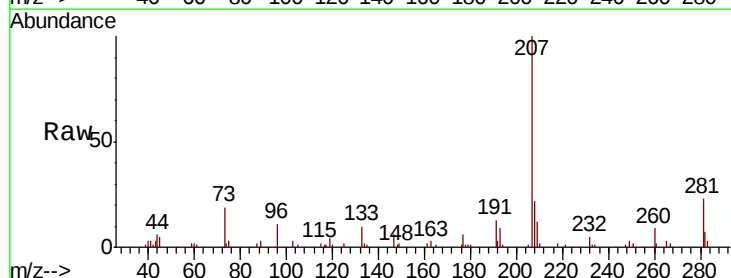
Tgt Ion: 180 Resp: 189

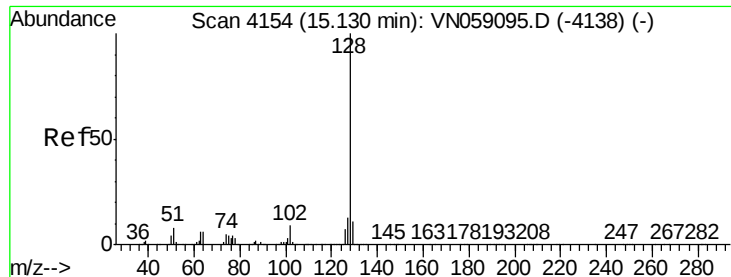
Ion Ratio Lower Upper

180 100

182 0.0 48.1 144.3#

145 0.0 15.1 45.3#





#95
Naphthalene
Concen: 3.097 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN059259.D
Acq: 15 Nov 2019 12:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	12.8#

