

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059181.D
 Acq On : 12 Nov 2019 11:48
 Operator : JC/SP
 Sample : K5769-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4

Quant Time: Nov 13 05:37:00 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	404197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	633107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	555540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	186642	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	264695	53.27	ug/l	0.00
Spiked Amount						
			Recovery	=	106.54%	
35) Dibromofluoromethane	7.57	113	202429	53.55	ug/l	0.00
Spiked Amount						
			Recovery	=	107.10%	
50) Toluene-d8	10.08	98	762668	51.22	ug/l	0.00
Spiked Amount						
			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.40	95	233430	43.48	ug/l	0.00
Spiked Amount						
			Recovery	=	86.96%	

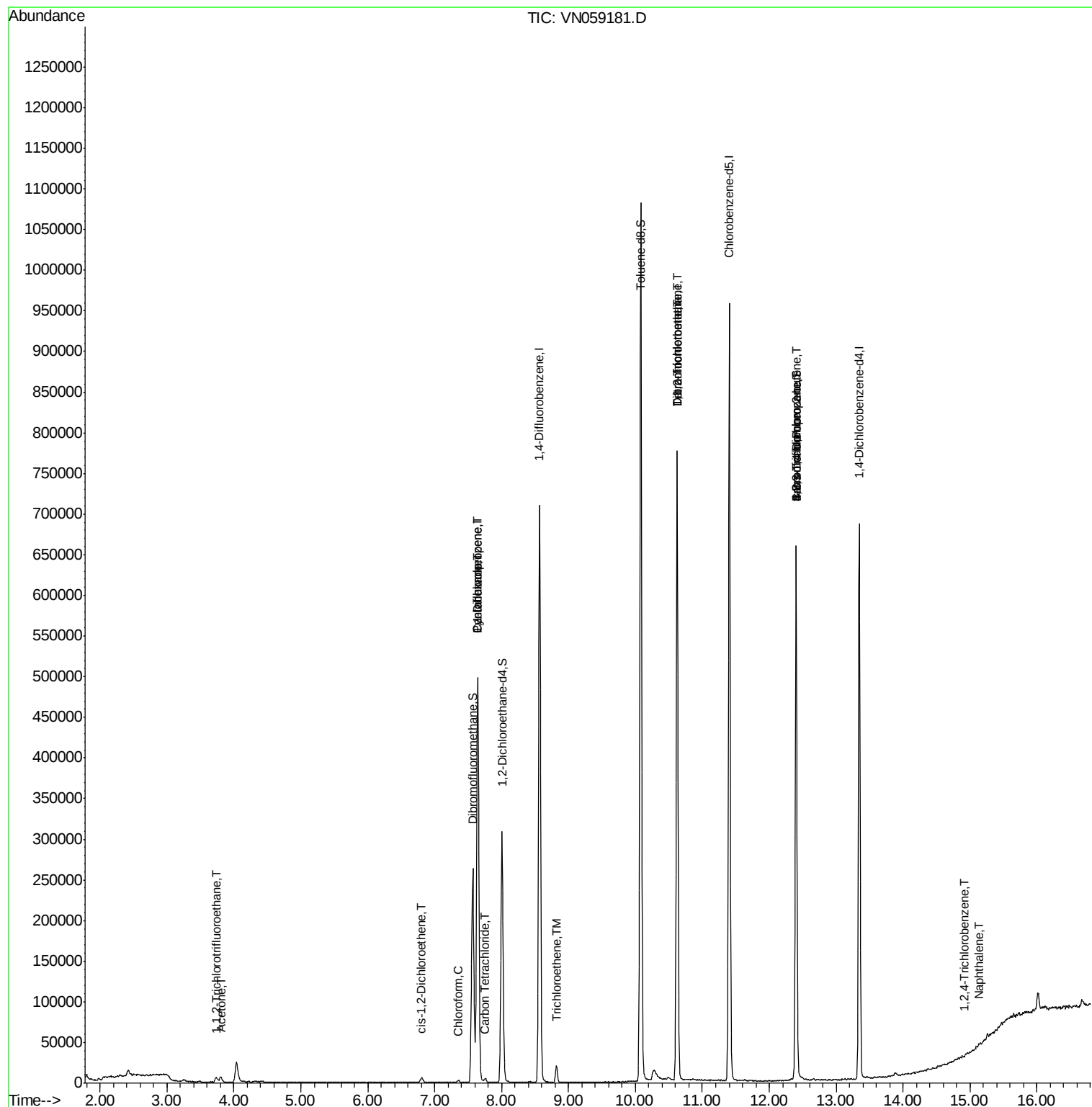
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.73	101	3935	1.017	ug/l #	74
16) Acetone	3.80	43	11085	4.290	ug/l	90
27) cis-1,2-Dichloroethene	6.81	96	3698	0.788	ug/l	86
30) Chloroform	7.35	83	2496	0.318	ug/l	88
31) Cyclohexane	7.64	56	8286	1.071	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32490	5.490	ug/l #	49
38) Carbon Tetrachloride	7.75	117	3401	0.577	ug/l	84
44) Trichloroethene	8.82	130	7431	1.696	ug/l	98
55) 1,1,2-Trichloroethane	10.62	97	1720	0.398	ug/l #	1
60) Dibromochloromethane	10.62	129	167189	36.581	ug/l #	11
64) Tetrachloroethene	10.63	164	183090	48.467	ug/l	98
71) Bromoform	12.40	173	644	0.204	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	117834	27.731	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	117834	73.245	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.90	180	31	3.055	ug/l #	12
95) Naphthalene	15.13	128	587	3.102	ug/l #	70

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

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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# 1826

Delta R.T. -0.00 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

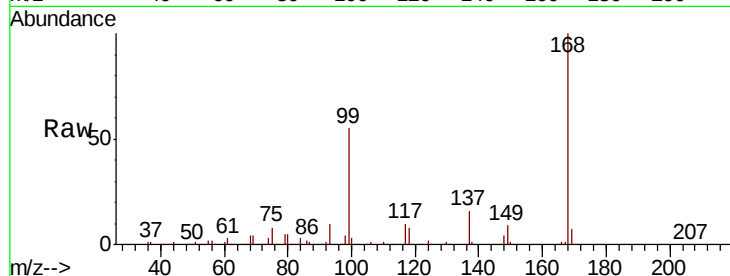
MW-305-SRI4

Tot Ion:168 Resp: 404197

Ion Ratio Lower Upper

168 100

99 55.4 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

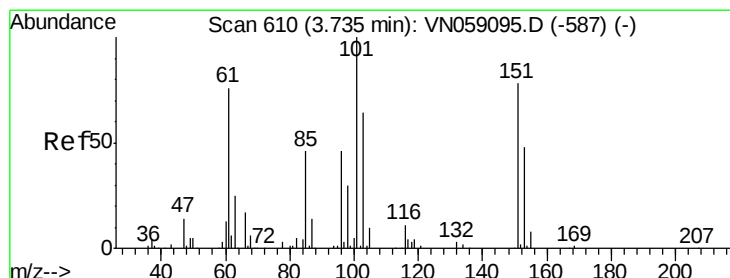
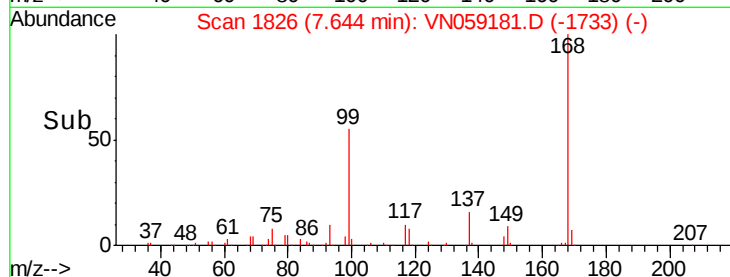
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.017 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

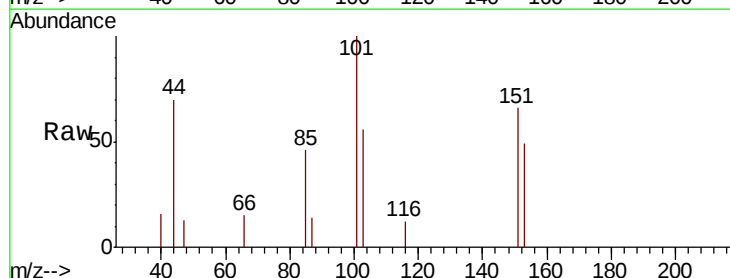
Tgt Ion:101 Resp: 3935

Ion Ratio Lower Upper

101 100

85 40.8 35.5 53.3

151 44.4 62.2 93.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

3.73

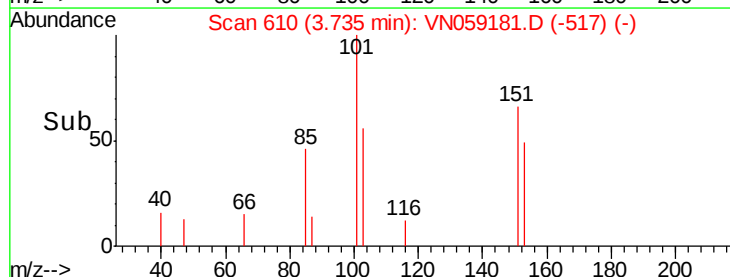
1500

1000

500

0

Time-->





#16

Acetone

Concen: 4.290 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

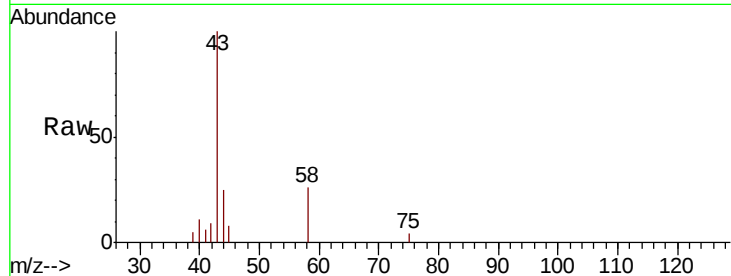
MW-305-SRI4

Tot Ion: 43 Resp: 11085

Ion Ratio Lower Upper

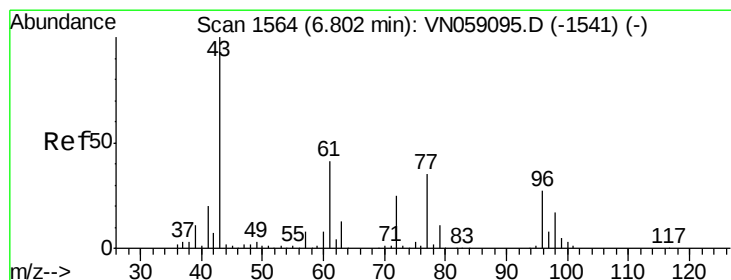
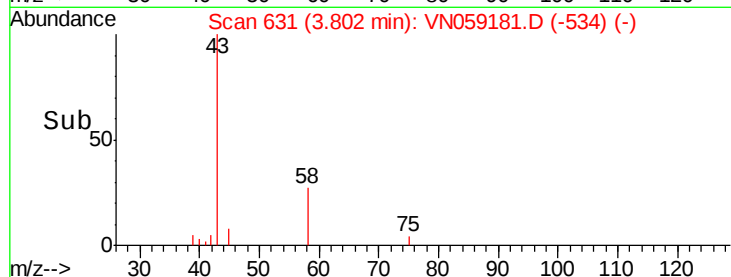
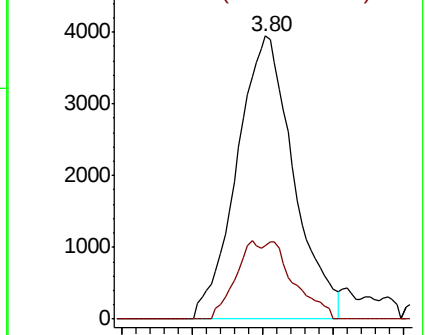
43 100

58 25.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-595) (-)



#27

cis-1,2-Dichloroethene

Concen: 0.788 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

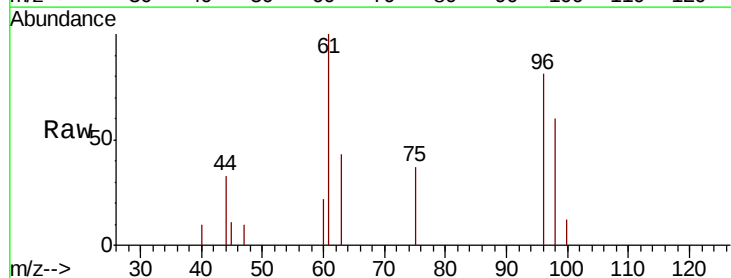
Tgt Ion: 96 Resp: 3698

Ion Ratio Lower Upper

96 100

61 133.4 0.0 311.6

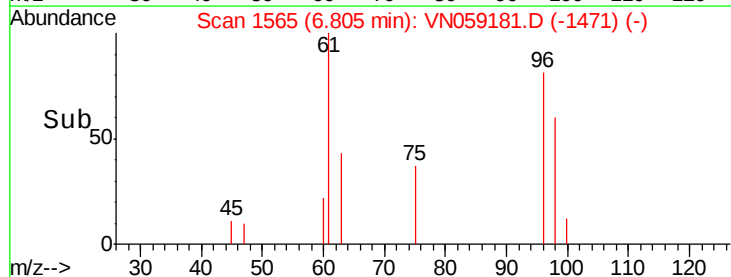
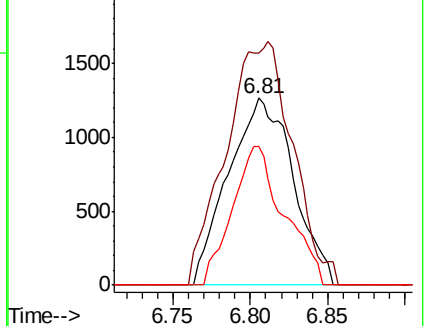
98 59.2 0.0 129.8

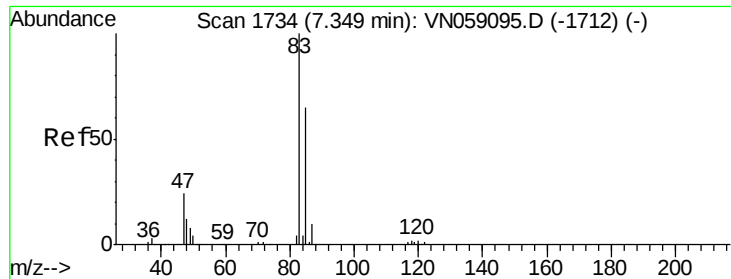


Abundance Ion 95.90 (95.60 to 96.60): VN059095.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN059095.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN059095.D (-1541) (-)

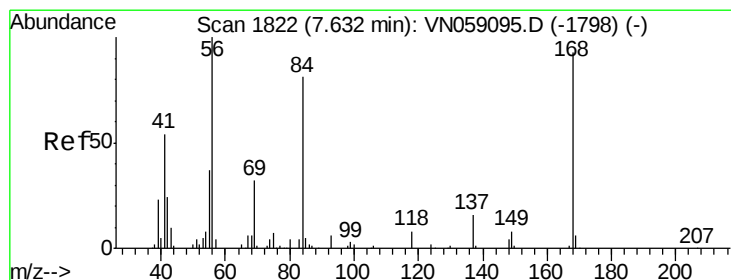
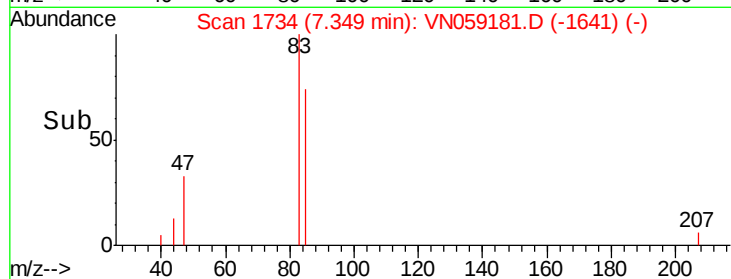
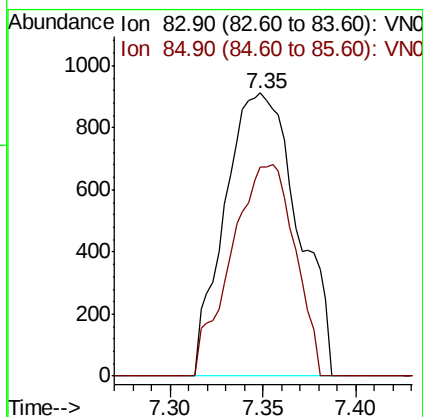
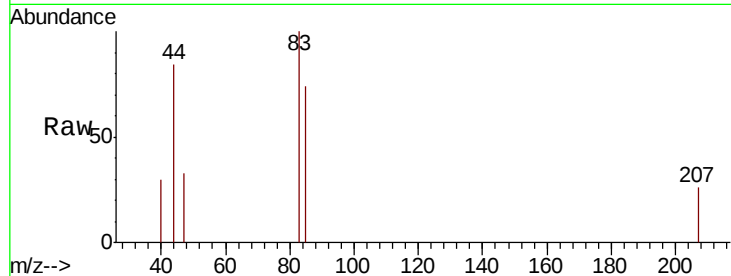




#30
Chloroform
Concen: 0.318 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059181.D
Acq: 12 Nov 2019 11:48

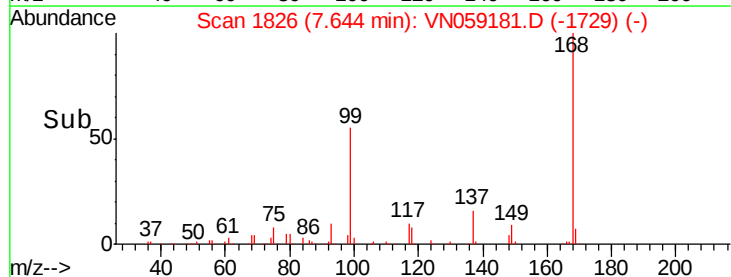
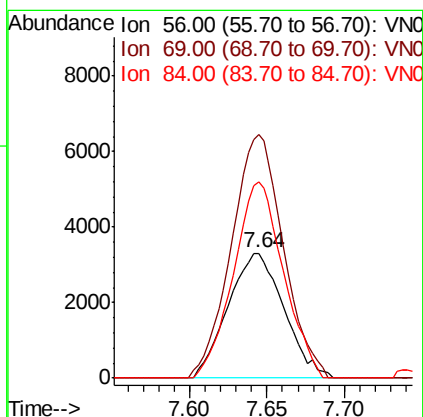
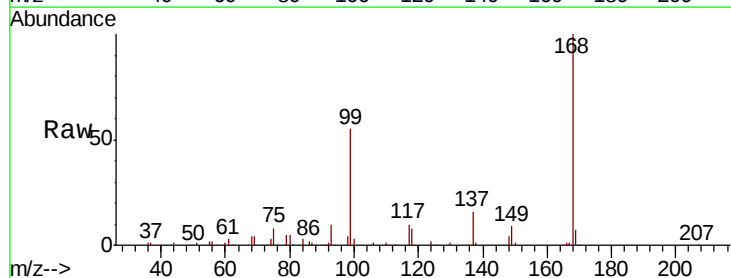
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4

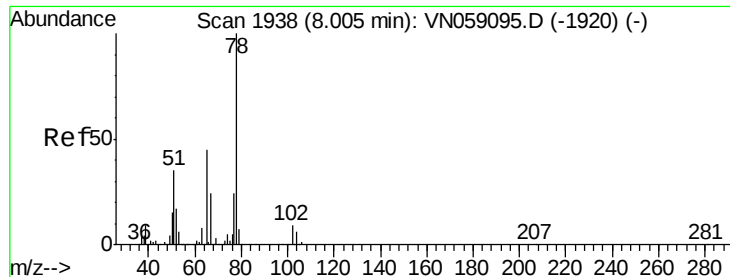
Tot Ion: 83 Resp: 2496
Ion Ratio Lower Upper
83 100
85 73.9 51.8 77.8



#31
Cyclohexane
Concen: 1.071 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059181.D
Acq: 12 Nov 2019 11:48

Tgt Ion: 56 Resp: 8286
Ion Ratio Lower Upper
56 100
69 195.0 25.8 38.8#
84 157.2 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 53.273 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

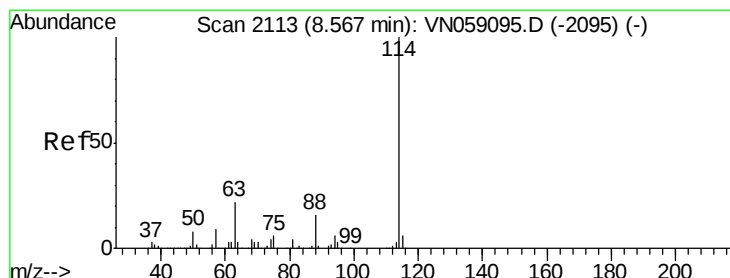
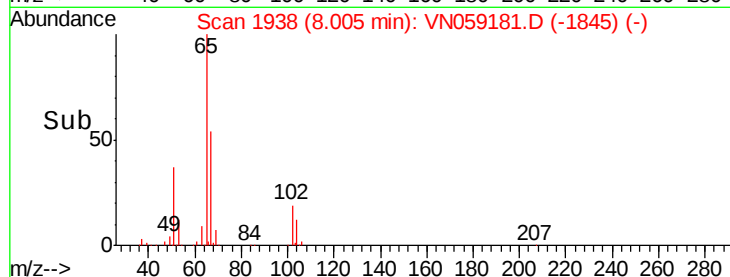
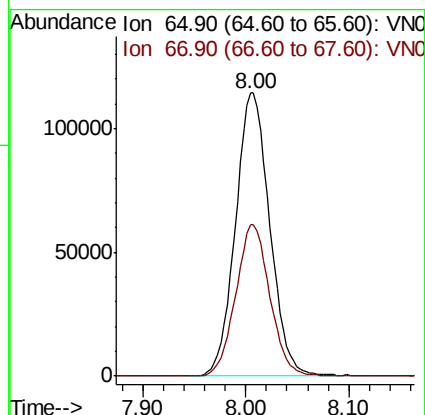
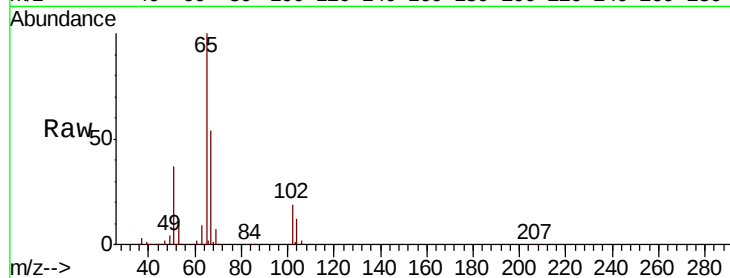
MW-305-SRI4

Tot Ion: 65 Resp: 264695

Ion Ratio Lower Upper

65 100

67 53.4 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: VN059181.D

Acq: 12 Nov 2019 11:48

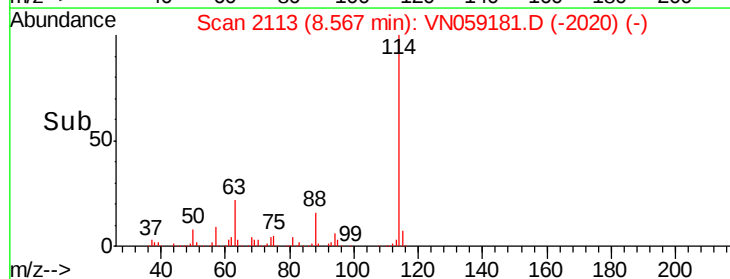
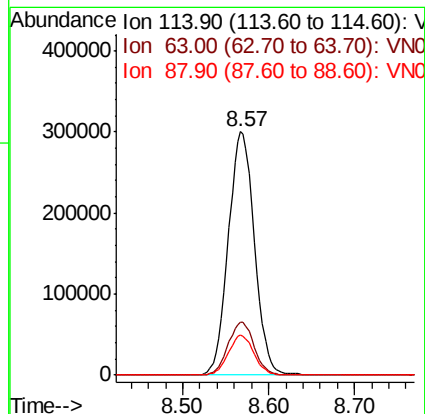
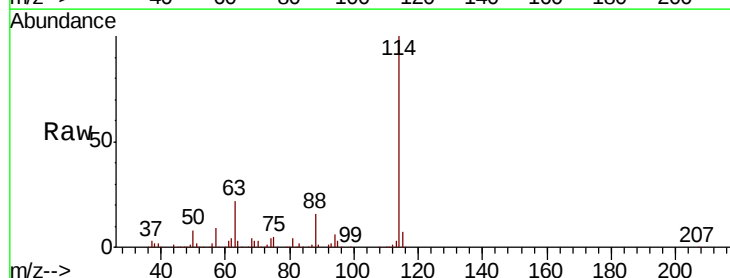
Tgt Ion: 114 Resp: 633107

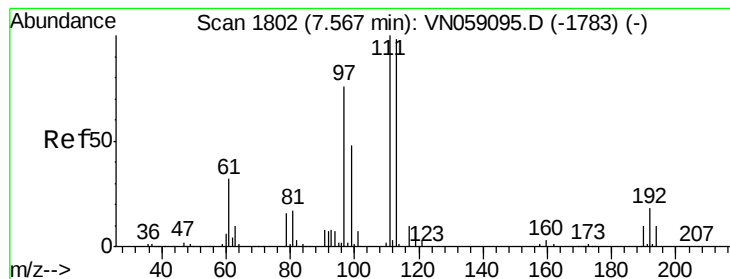
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.4

88 16.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 53.549 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

MW-305-SRI4

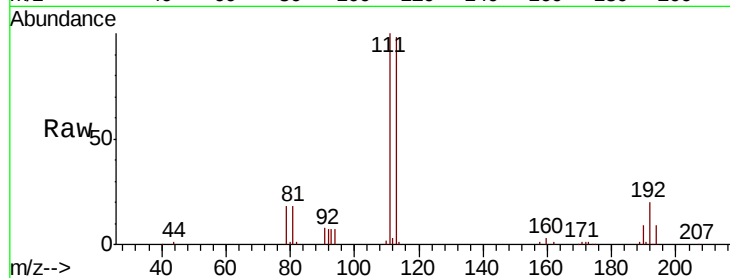
Tot Ion:113 Resp: 202429

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

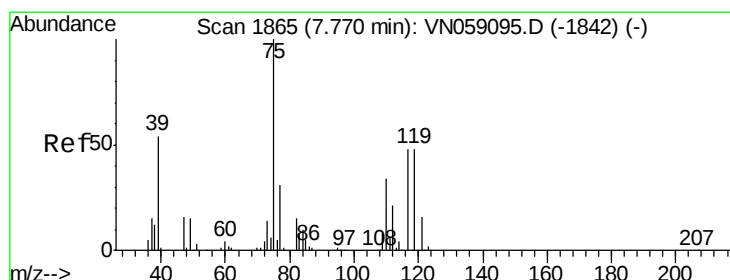
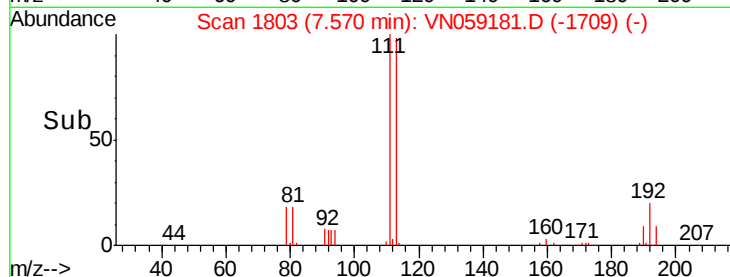
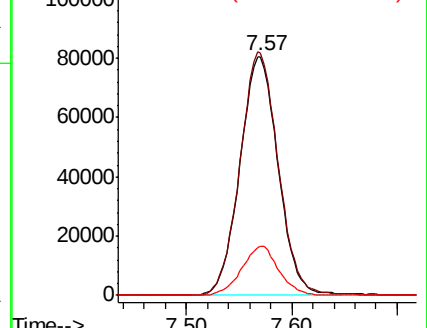
192 20.0 16.1 24.1



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: 5.490 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

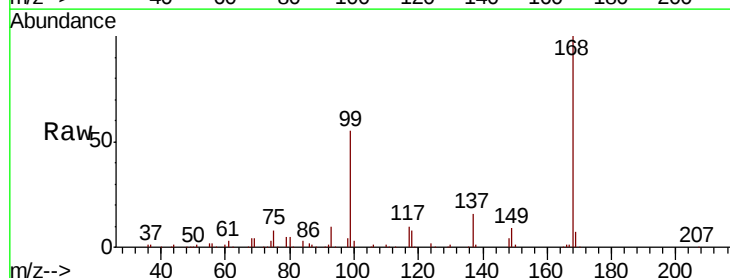
Tgt Ion: 75 Resp: 32490

Ion Ratio Lower Upper

75 100

110 7.9 17.1 51.2#

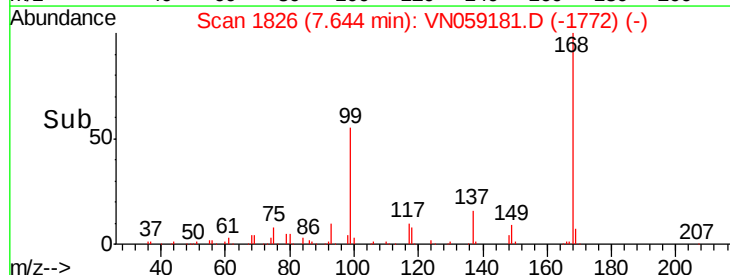
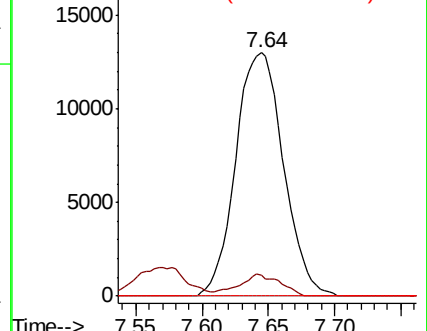
77 0.0 24.8 37.2#

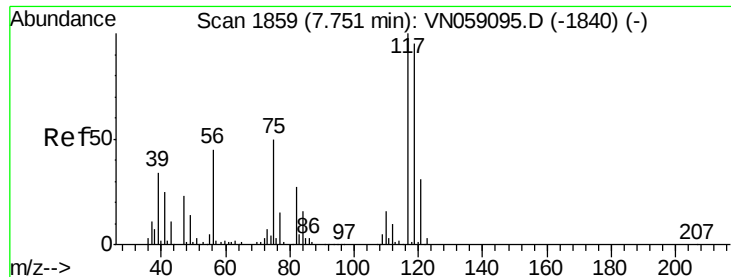


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

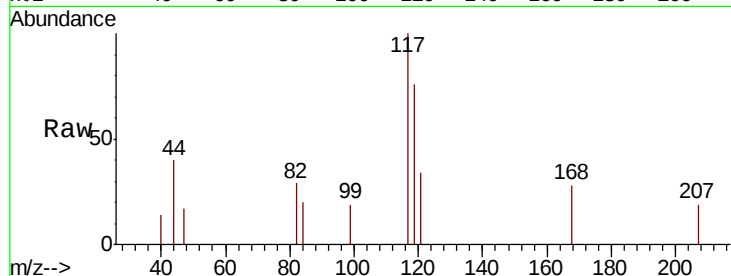




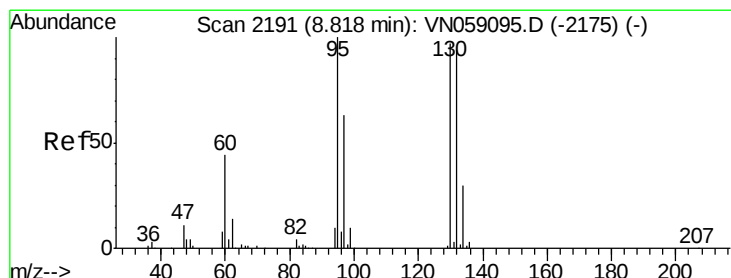
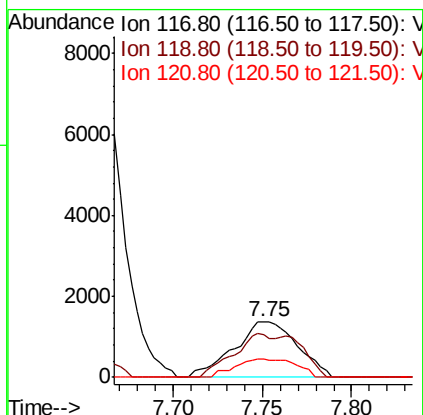
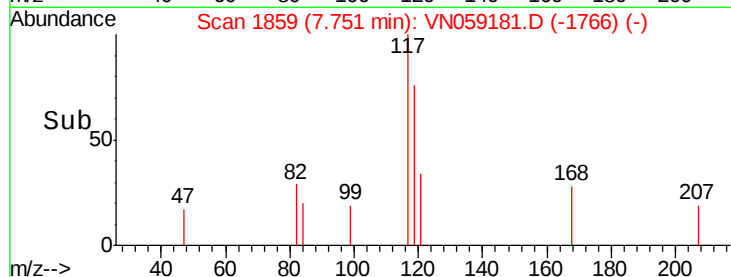
#38
Carbon Tetrachloride
Concen: 0.577 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059181.D
Acq: 12 Nov 2019 11:48

Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4

Tot Ion:117 Resp: 3401
Ion Ratio Lower Upper
117 100
119 75.8 75.6 113.4
121 33.6 24.6 36.8

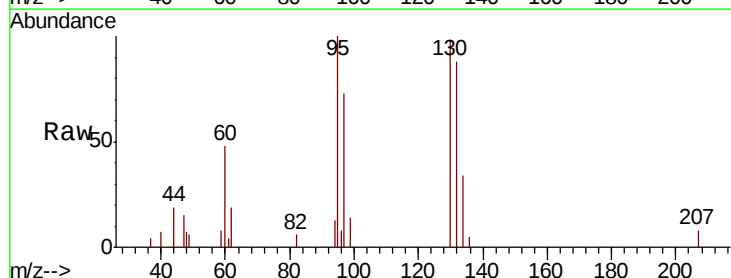


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

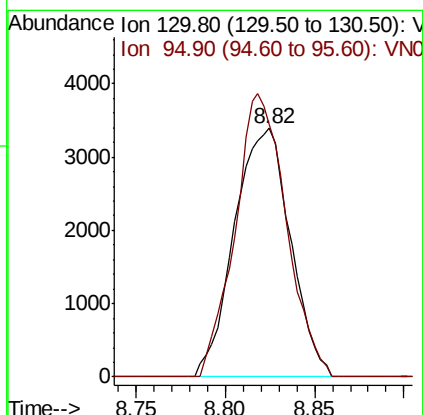
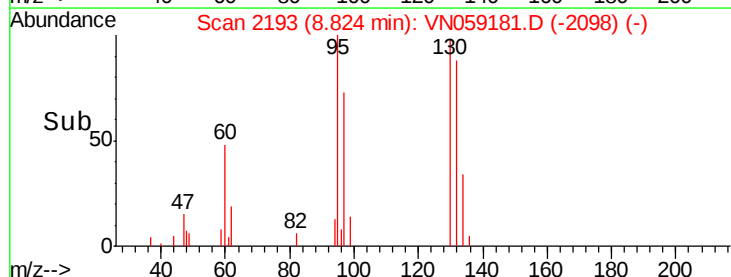


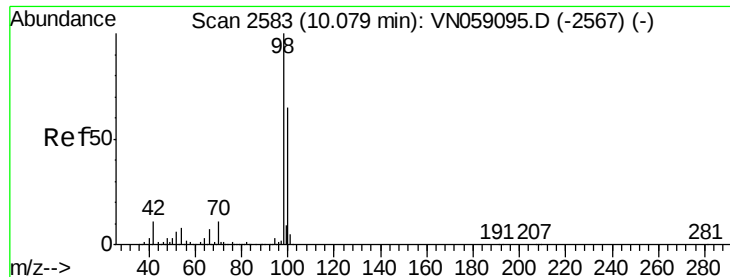
#44
Trichloroethene
Concen: 1.696 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.01 min
Lab File: VN059181.D
Acq: 12 Nov 2019 11:48

Tgt Ion:130 Resp: 7431
Ion Ratio Lower Upper
130 100
95 101.6 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 51.220 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

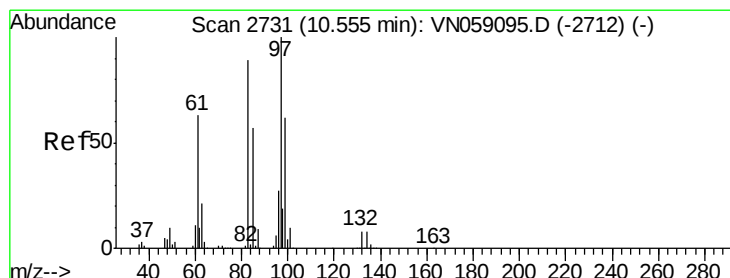
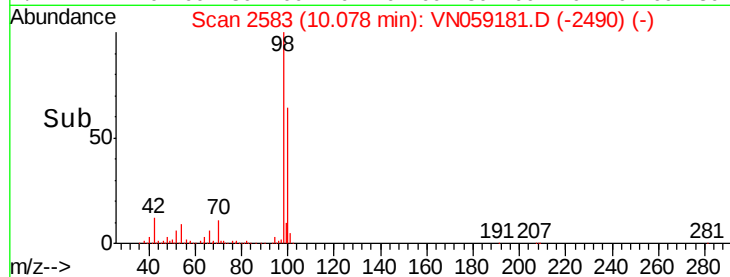
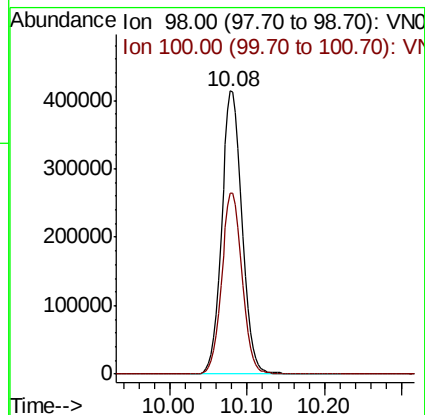
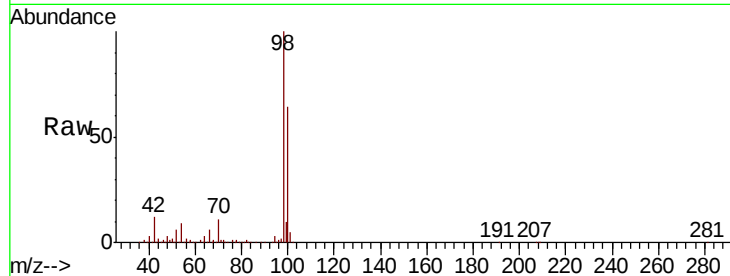
MW-305-SRI4

Tot Ion: 98 Resp: 762668

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.2



#55

1,1,2-Trichloroethane

Concen: 0.398 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.07 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

Tgt Ion: 97 Resp: 1720

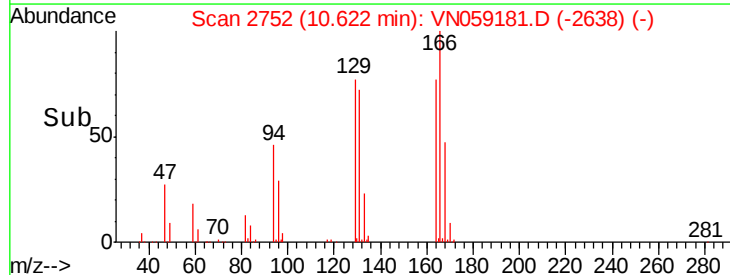
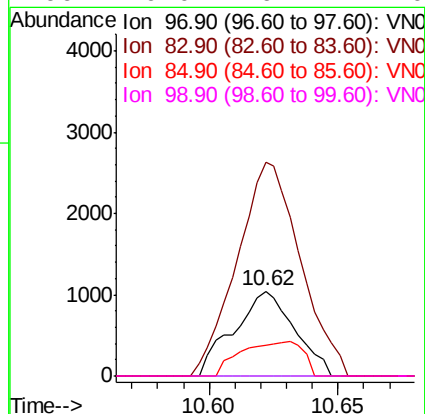
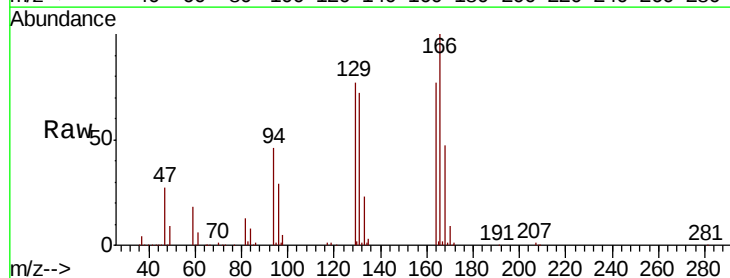
Ion Ratio Lower Upper

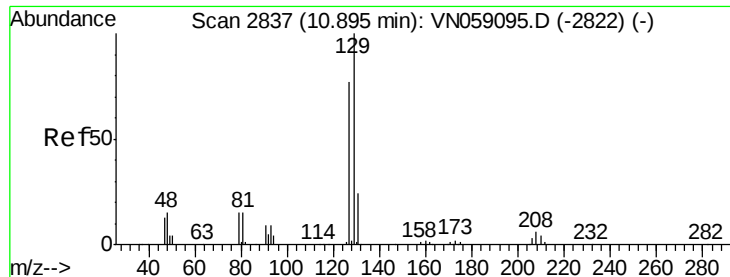
97 100

83 251.1 71.0 106.4#

85 36.8 45.8 68.8#

99 0.0 49.4 74.0#





#60

Dibromochloromethane

Concen: 36.581 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.27 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

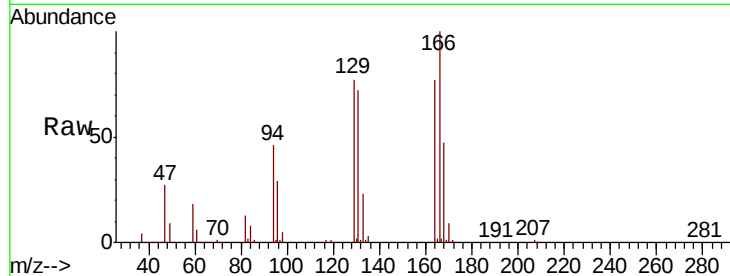
MW-305-SRI4

Tot Ion:129 Resp: 167189

Ion Ratio Lower Upper

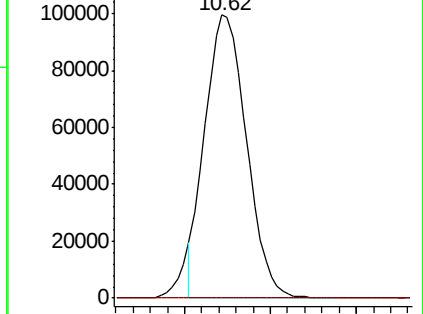
129 100

127 0.0 38.6 115.8#

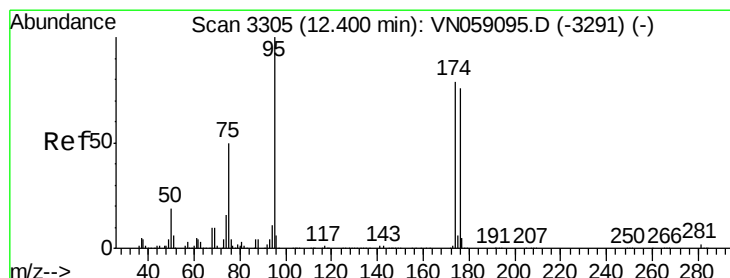
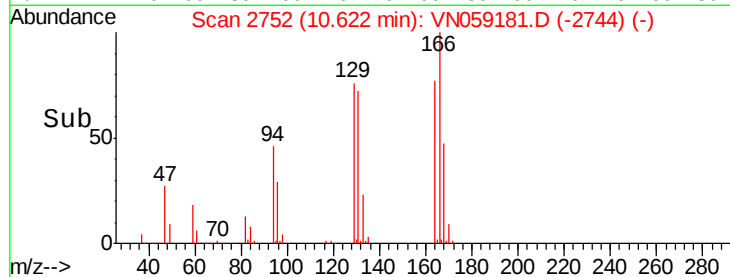


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 43.479 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

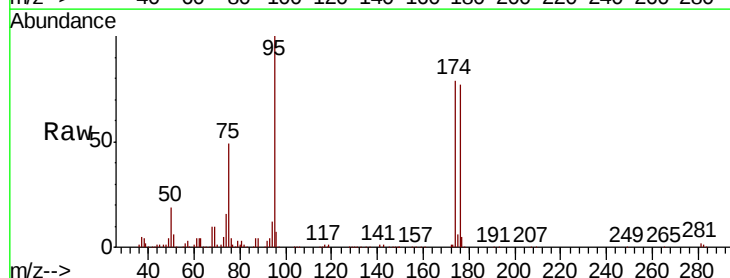
Tgt Ion: 95 Resp: 233430

Ion Ratio Lower Upper

95 100

174 79.3 0.0 158.2

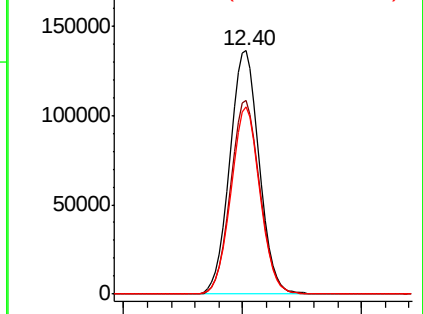
176 76.1 0.0 151.8



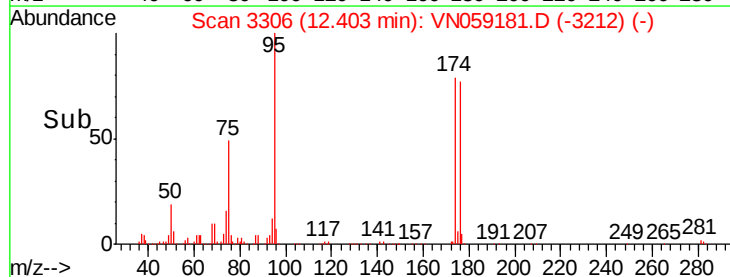
Abundance Ion 94.90 (94.60 to 95.60): V

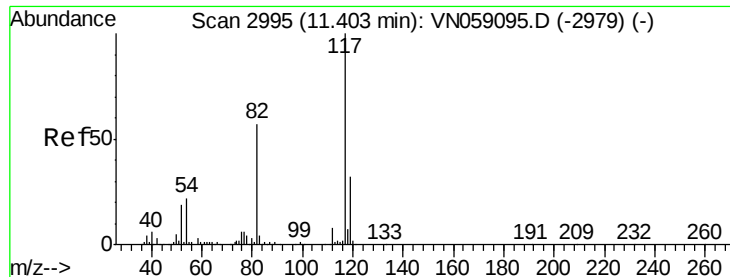
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

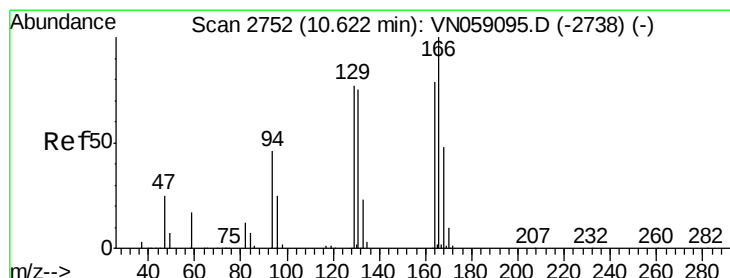
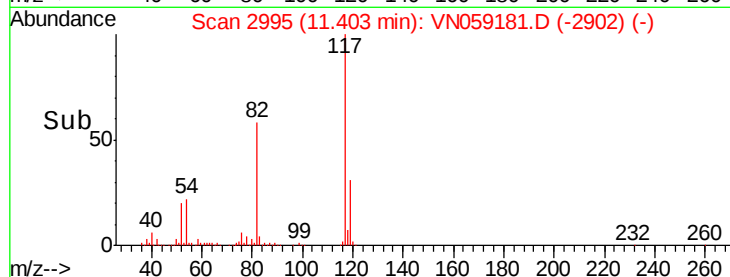
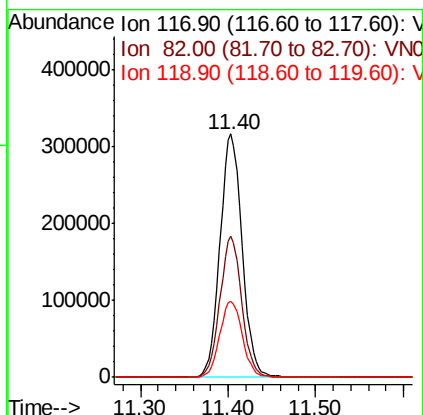
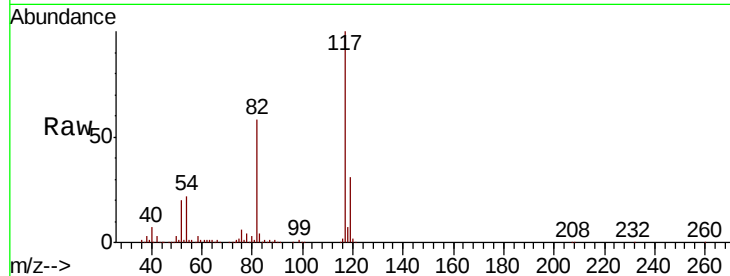




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059181.D
Acq: 12 Nov 2019 11:48

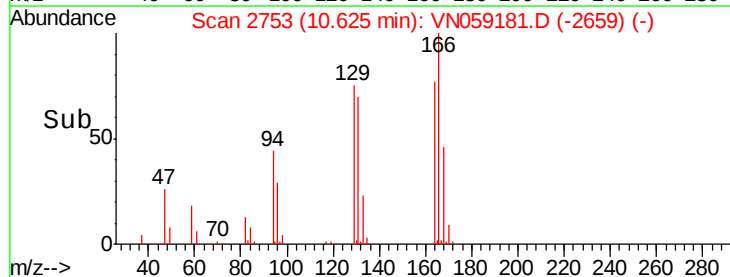
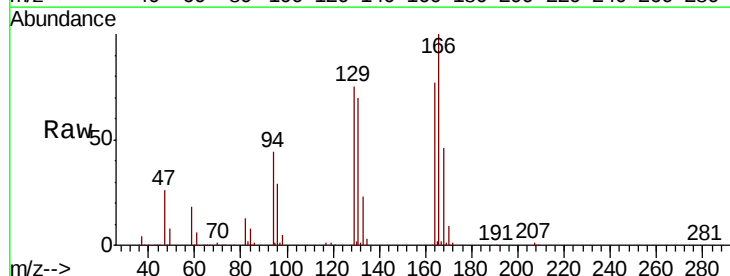
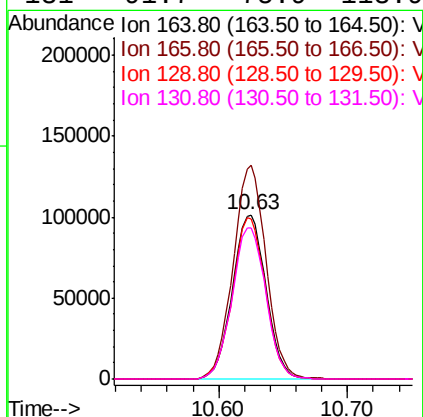
Instrument :
MSVOA_N
ClientSampleId :
MW-305-SRI4

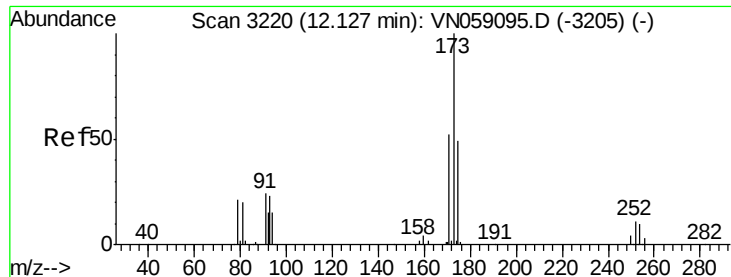
Tot Ion:117 Resp: 55540
Ion Ratio Lower Upper
117 100
82 57.9 45.8 68.8
119 31.4 25.8 38.6



#64
Tetrachloroethene
Concen: 48.467 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059181.D
Acq: 12 Nov 2019 11:48

Tgt Ion:164 Resp: 183090
Ion Ratio Lower Upper
164 100
166 130.1 101.5 152.3
129 97.3 78.3 117.5
131 91.7 75.9 113.9





#71

Bromoform

Concen: 0.204 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

Instrument :

MSVOA_N

ClientSampled :

MW-305-SRI4

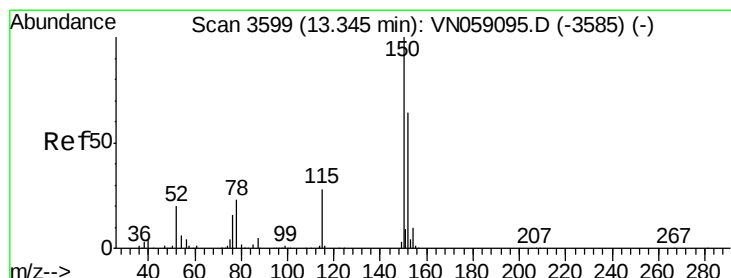
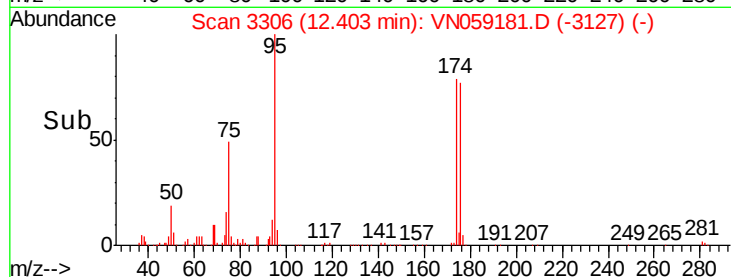
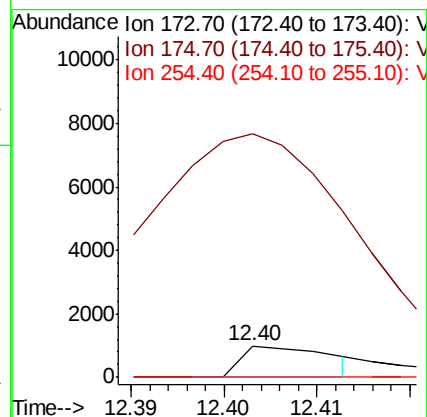
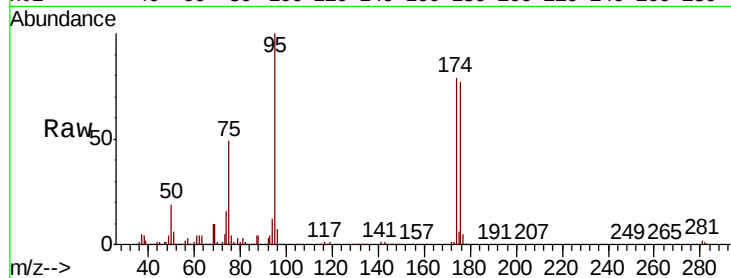
Tot Ion:173 Resp: 644

Ion Ratio Lower Upper

173 100

175 1769.6 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: VN059181.D

Acq: 12 Nov 2019 11:48

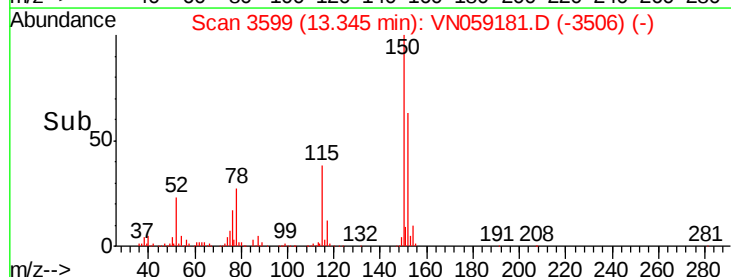
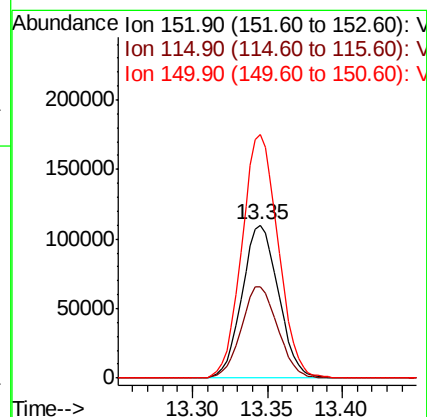
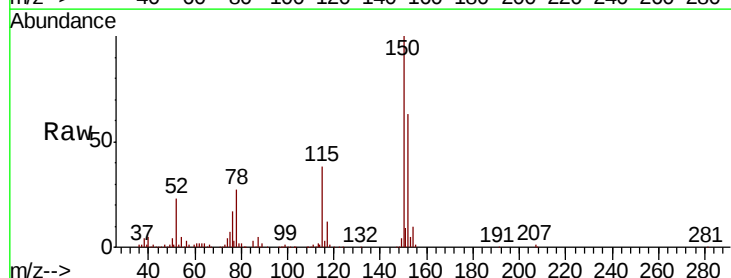
Tgt Ion:152 Resp: 186642

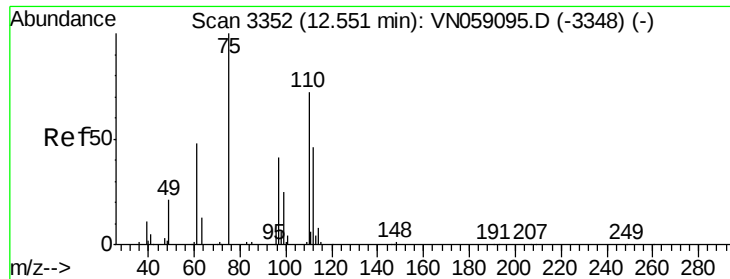
Ion Ratio Lower Upper

152 100

115 59.7 29.4 88.2

150 159.0 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 27.731 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

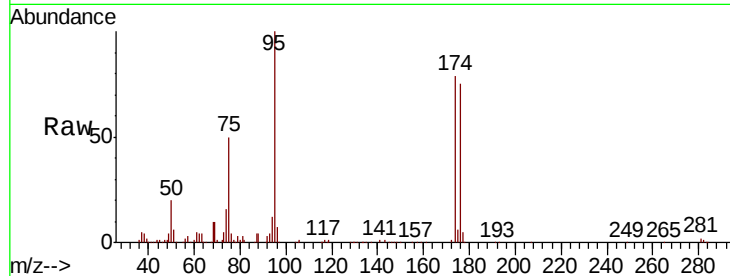
MW-305-SRI4

Tot Ion: 75 Resp: 117834

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

80000

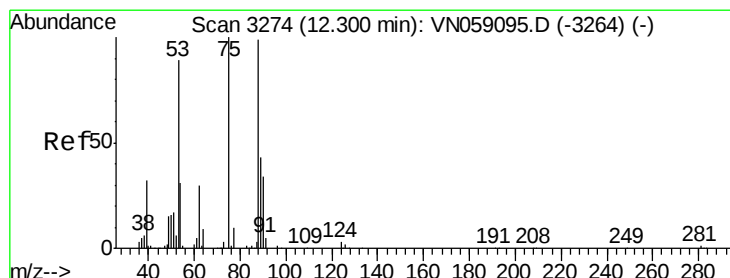
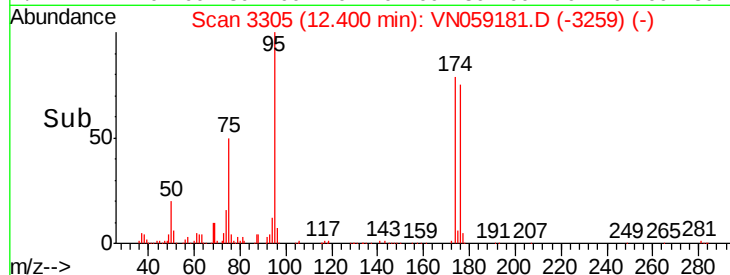
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 73.245 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059181.D

Acq: 12 Nov 2019 11:48

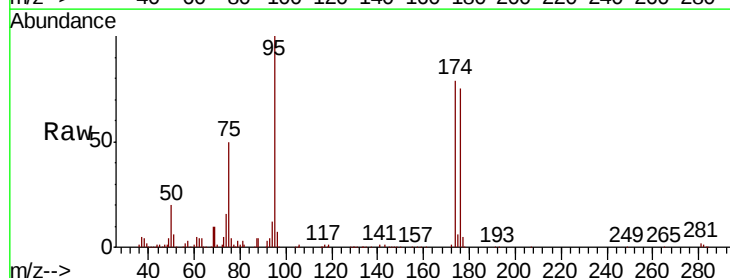
Tgt Ion: 75 Resp: 117834

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

80000

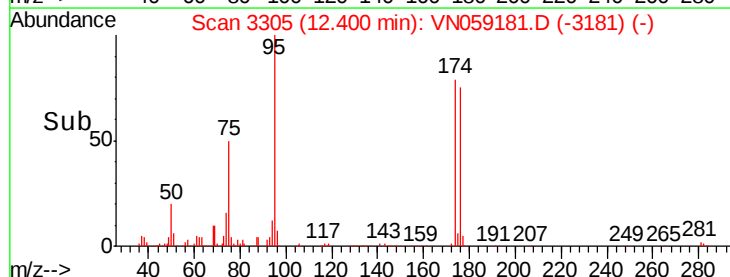
60000

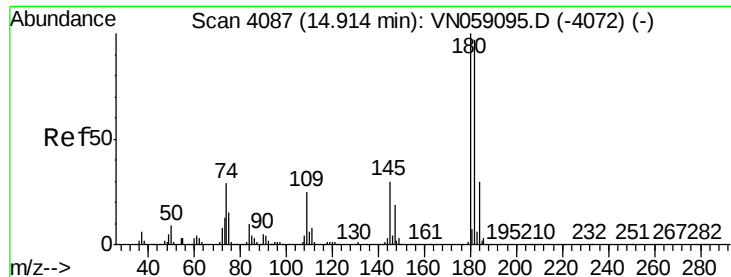
40000

20000

0

Time--> 12.30 12.40 12.50

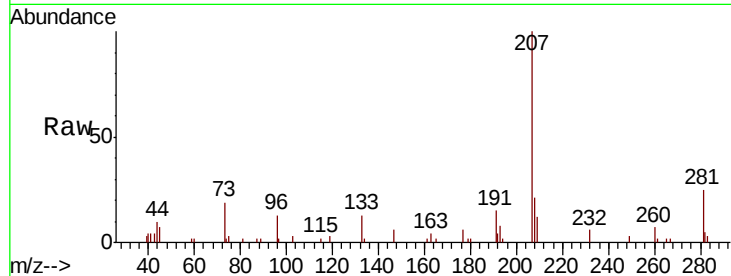




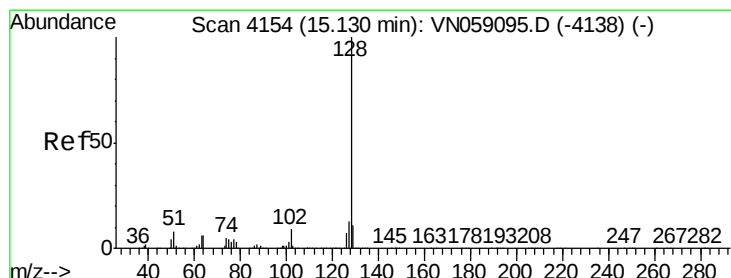
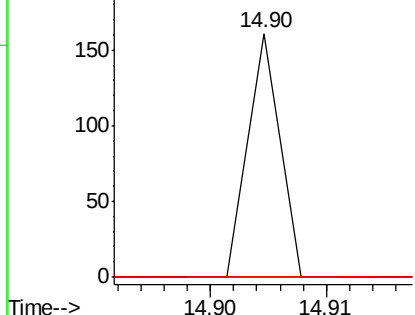
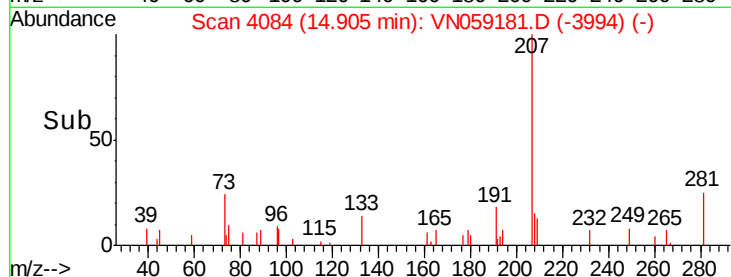
#93
 1,2,4-Trichlorobenzene
 Concen: 3.055 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.01 min
 Lab File: VN059181.D
 Acq: 12 Nov 2019 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-305-SRI4

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.3#
145	0.0	15.1	45.3#

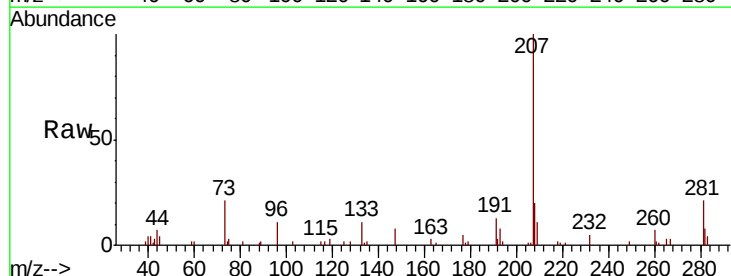


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.102 ug/l
 RT: 15.13 min Scan# 4153
 Delta R.T. -0.00 min
 Lab File: VN059181.D
 Acq: 12 Nov 2019 11:48

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	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

