

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059194.D
 Acq On : 12 Nov 2019 16:35
 Operator : JC/SP
 Sample : K5799-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 13 05:41:28 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	446474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	694965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	615488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	222640	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	287036	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.60%		
35) Dibromofluoromethane	7.57	113	218149	52.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.14%		
50) Toluene-d8	10.08	98	841670	51.49	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.98%		
62) 4-Bromofluorobenzene	12.40	95	268239	45.52	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.04%		

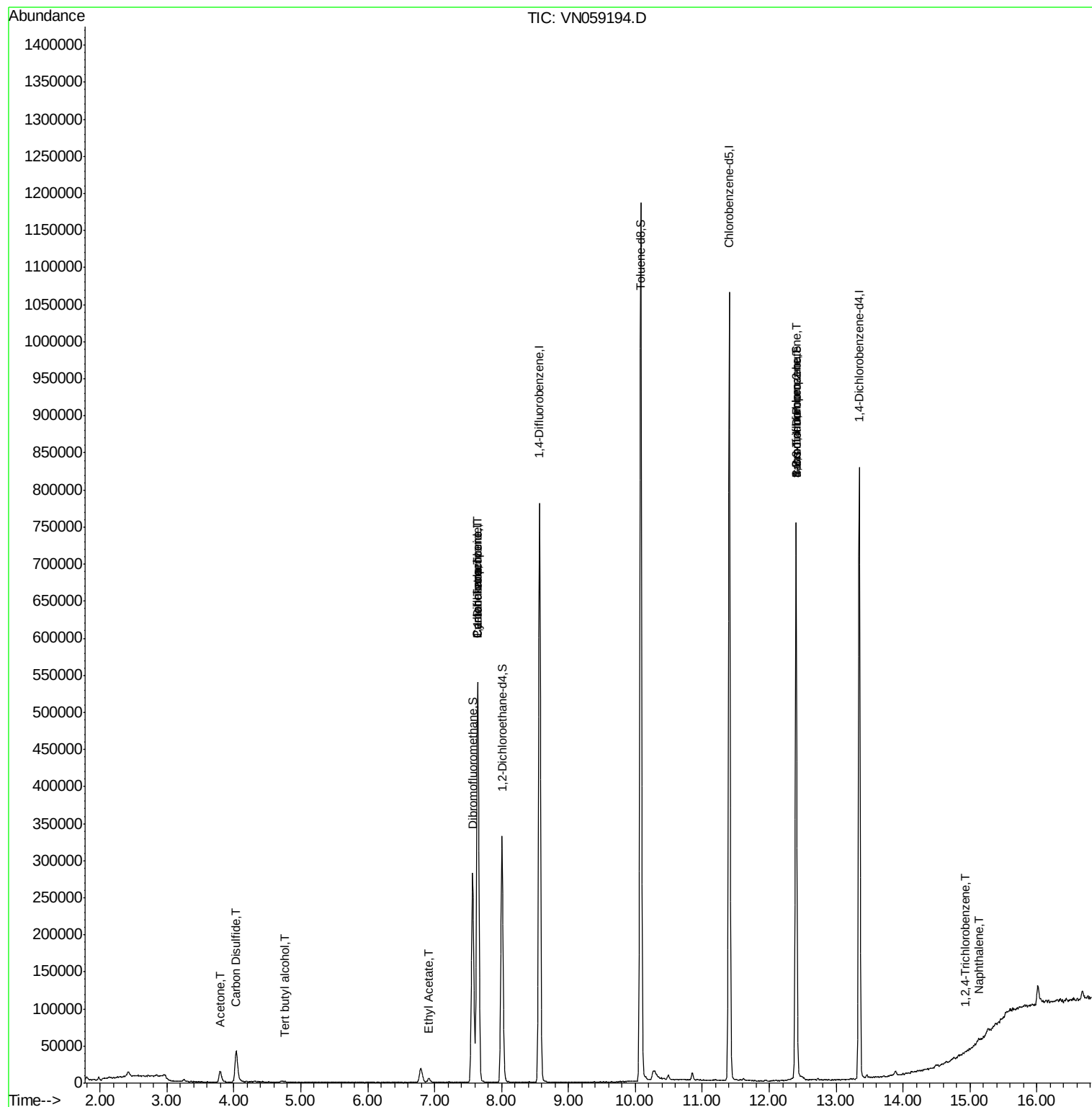
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	1103	1.055	ug/l #	72
16) Acetone	3.80	43	26384	9.244	ug/l	94
17) Carbon Disulfide	4.03	76	2792	0.216	ug/l #	82
31) Cyclohexane	7.64	56	9451	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	34684	5.339	ug/l #	49
37) Ethyl Acetate	6.91	43	8850	1.225	ug/l #	93
38) Carbon Tetrachloride	7.64	117	42219	6.530	ug/l #	17
71) Bromoform	12.40	173	1117	0.319	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	133130	26.265	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	133130	69.373	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.92	180	31	3.053	ug/l #	12
95) Naphthalene	15.13	128	3406	3.322	ug/l #	89

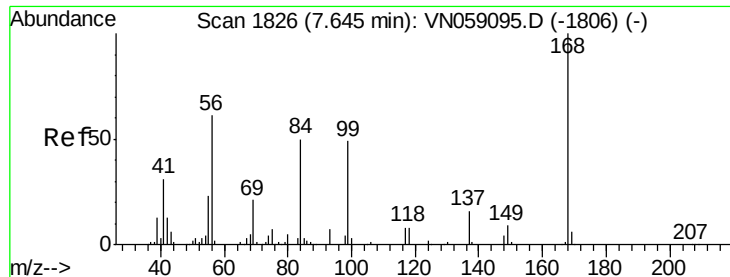
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN059194.D

Acq: 12 Nov 2019 16:35

Instrument :

MSVOA_N

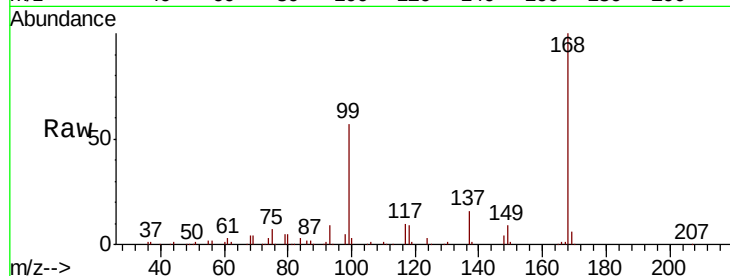
ClientSampleId :

Tot Ion:168 Resp: 446474

Ion Ratio Lower Upper

168 100

99 57.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059194.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059194.D (-1733) (-)

7.64

200000

150000

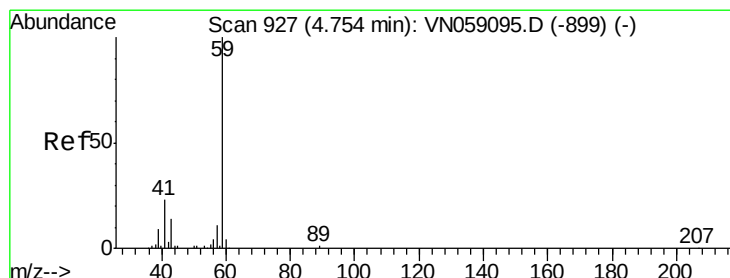
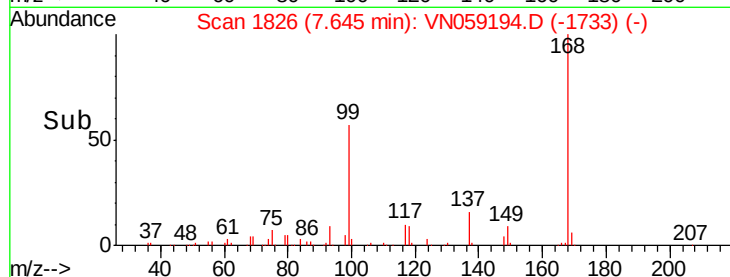
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 1.055 ug/l

RT: 4.75 min Scan# 927

Delta R.T. 0.00 min

Lab File: VN059194.D

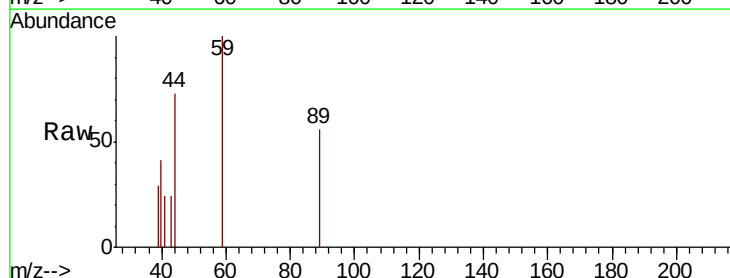
Acq: 12 Nov 2019 16:35

Tgt Ion: 59 Resp: 1103

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN059194.D (-834) (-)

Ion 57.00 (56.70 to 57.70): VN059194.D (-834) (-)

4.75

800

600

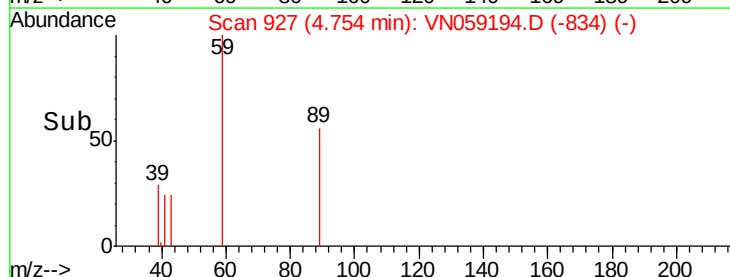
400

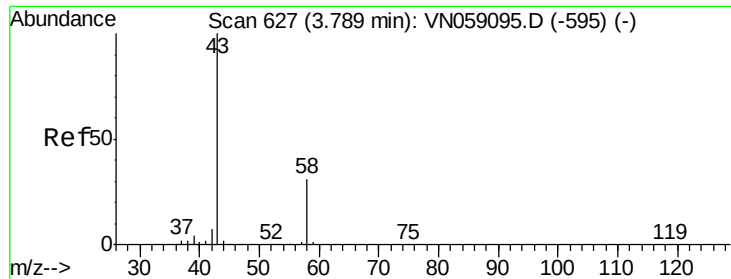
200

0

4.72 4.74 4.76 4.78 4.80

Time-->





#16

Acetone

Concen: 9.244 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059194.D

Acq: 12 Nov 2019 16:35

Instrument :

MSVOA_N

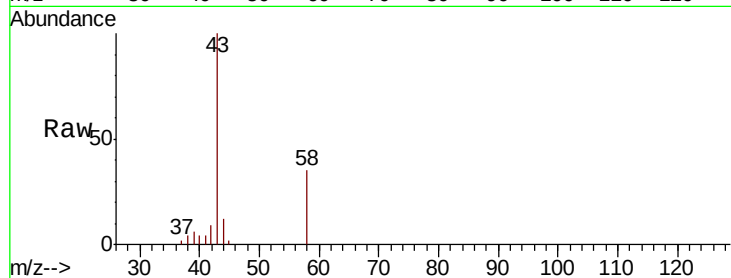
ClientSampled :

Tot Ion: 43 Resp: 26384

Ion Ratio Lower Upper

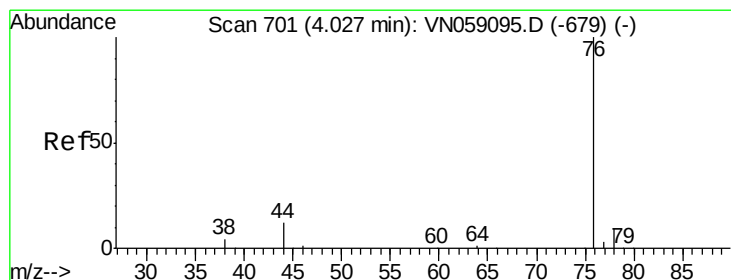
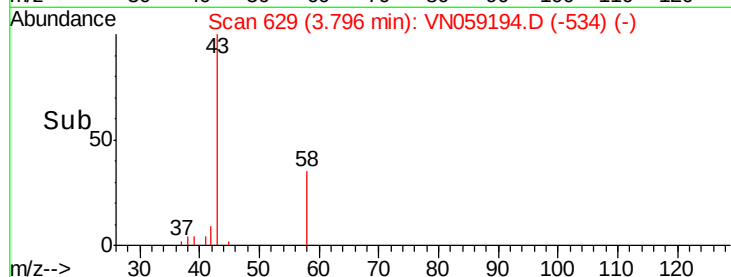
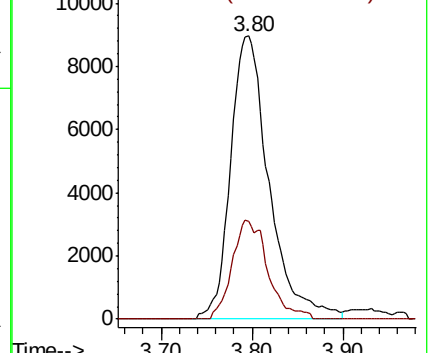
43 100

58 34.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.216 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059194.D

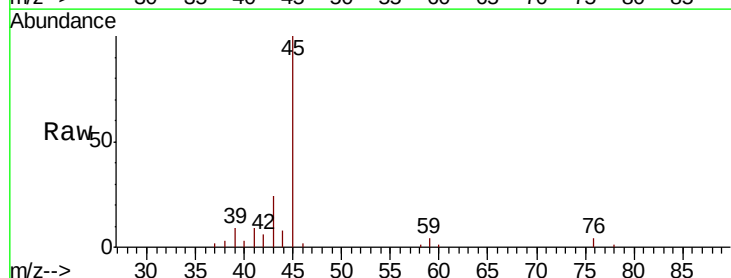
Acq: 12 Nov 2019 16:35

Tgt Ion: 76 Resp: 2792

Ion Ratio Lower Upper

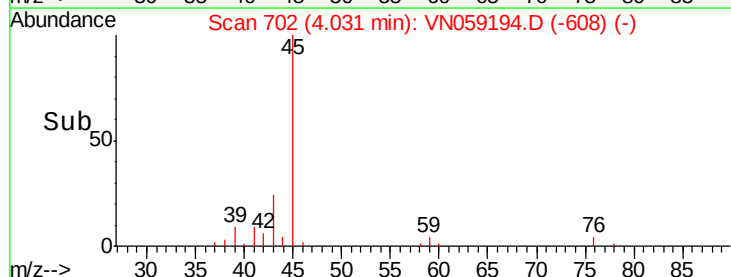
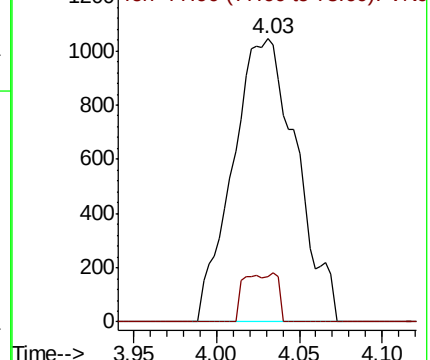
76 100

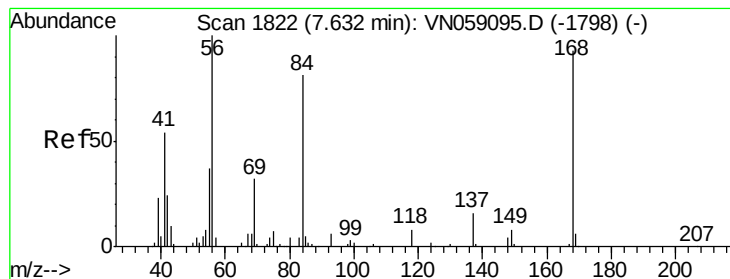
78 15.9 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#31

Cyclohexane

Concen: 1.106 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059194.D

Acq: 12 Nov 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

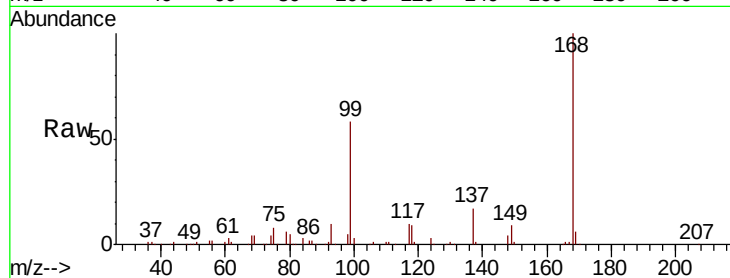
Tot Ion: 56 Resp: 9451

Ion Ratio Lower Upper

56 100

69 157.9 25.8 38.8#

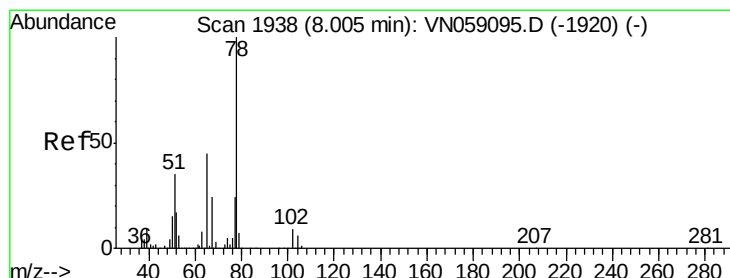
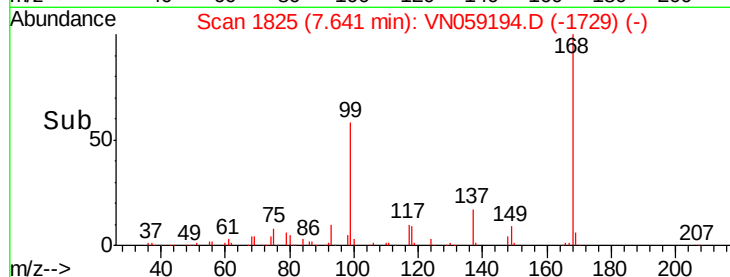
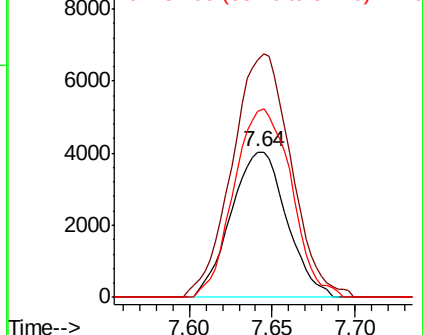
84 128.1 65.0 97.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.299 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059194.D

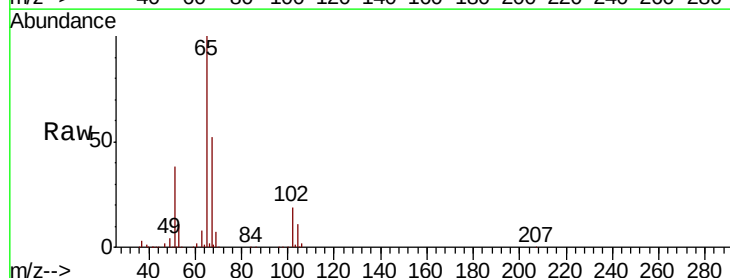
Acq: 12 Nov 2019 16:35

Tgt Ion: 65 Resp: 287036

Ion Ratio Lower Upper

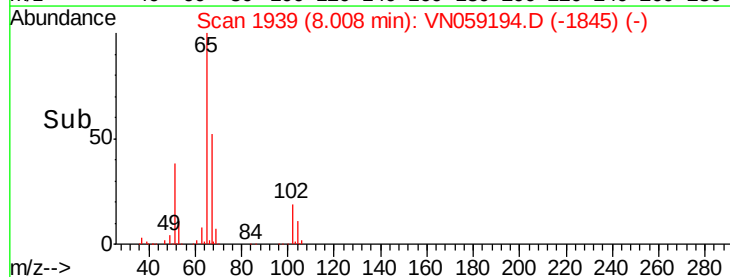
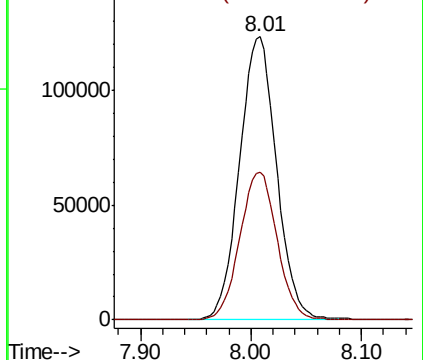
65 100

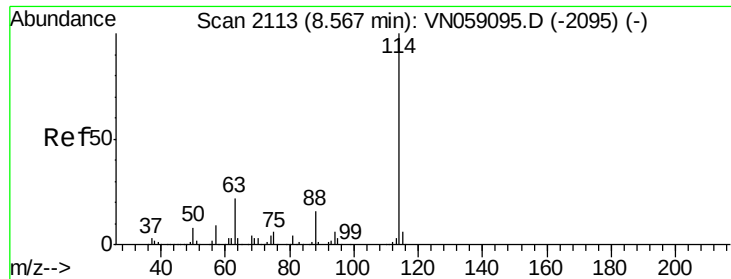
67 52.6 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

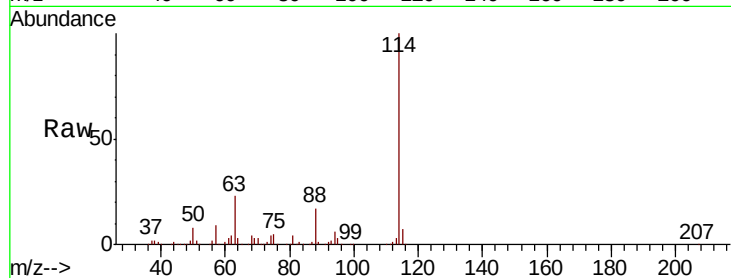




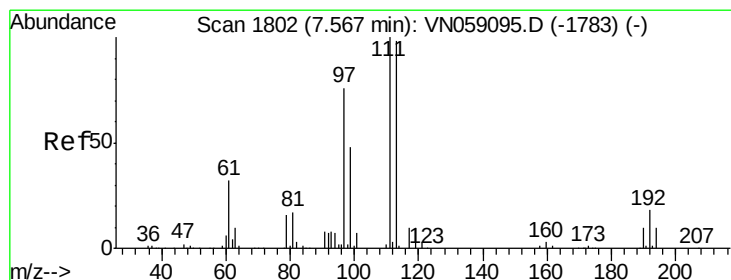
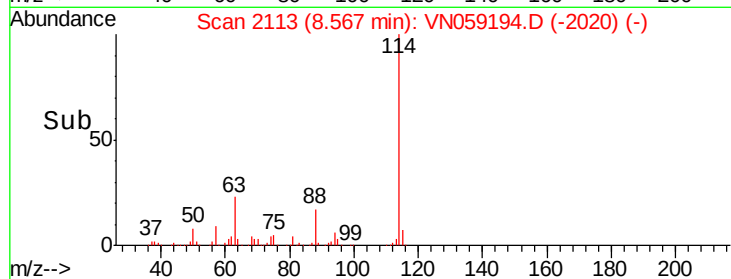
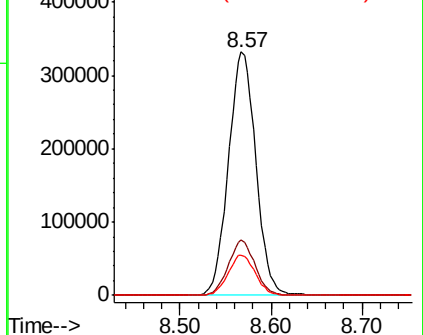
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059194.D
 Acq: 12 Nov 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	43.4
88	16.6	0.0	32.2

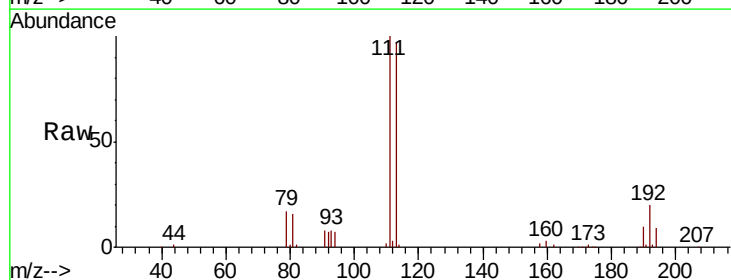


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

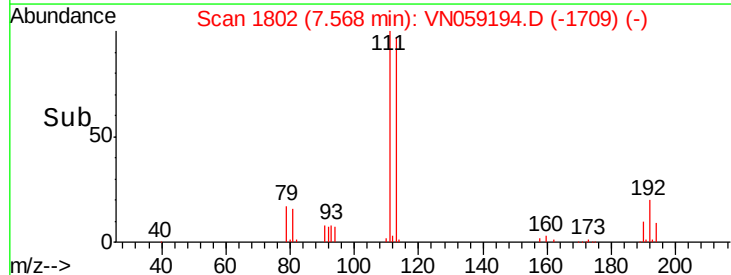
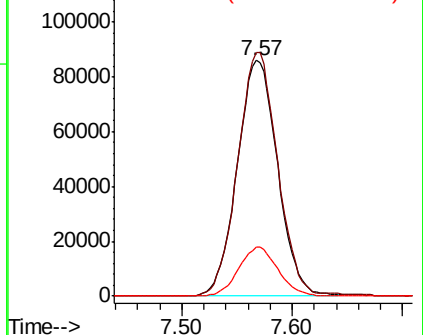


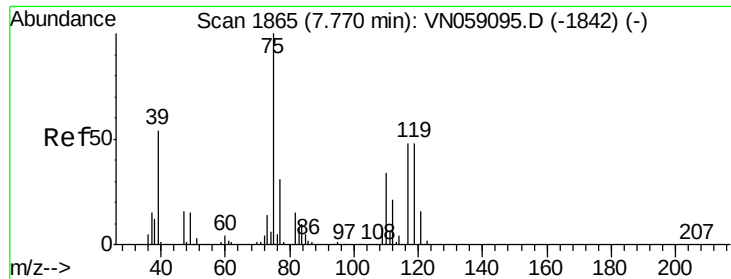
#35
 Dibromofluoromethane
 Concen: 52.571 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059194.D
 Acq: 12 Nov 2019 16:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.8	124.2
192	20.2	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

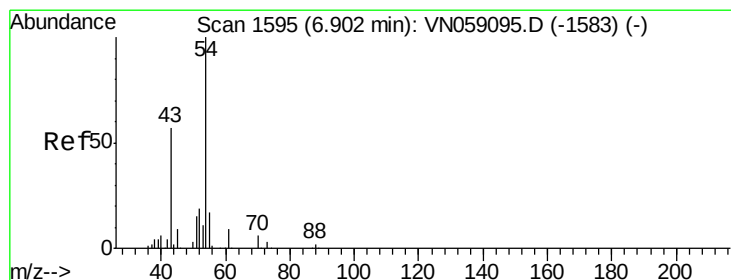
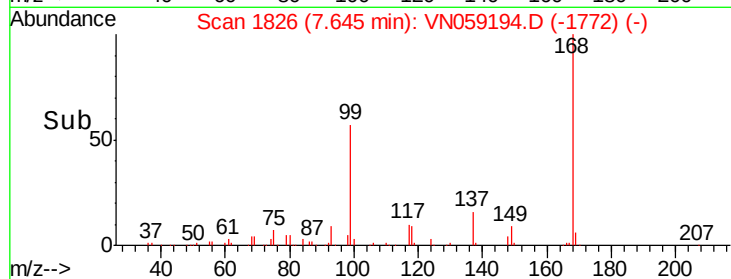
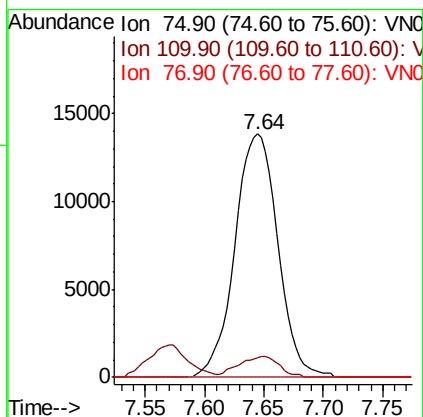
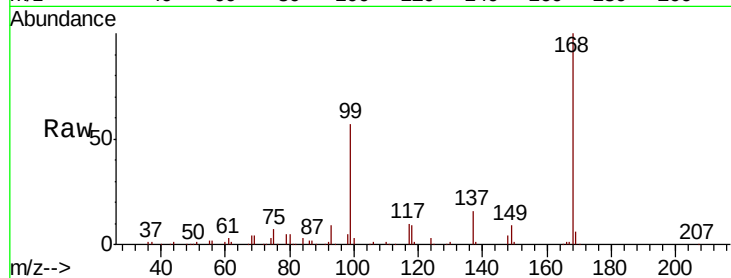




#36
 1,1-Dichloropropene
 Concen: 5.339 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059194.D
 Acq: 12 Nov 2019 16:35

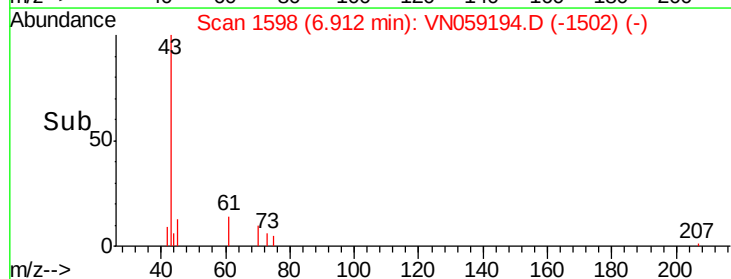
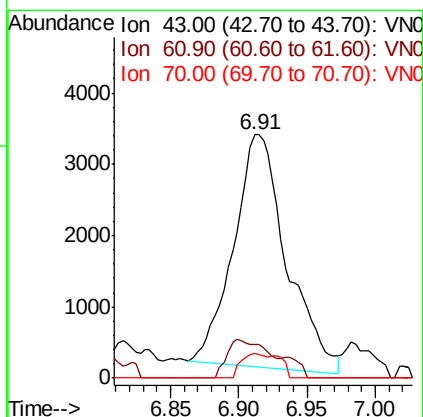
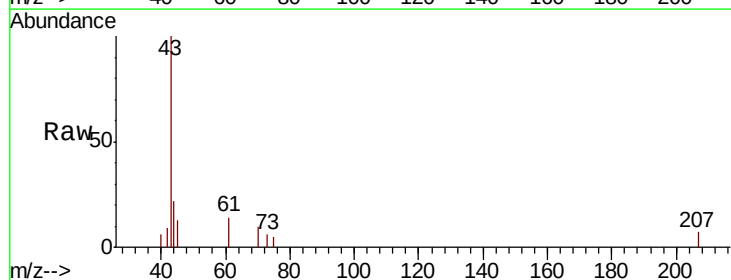
Instrument :
 MSVOA_N
 ClientSampled :

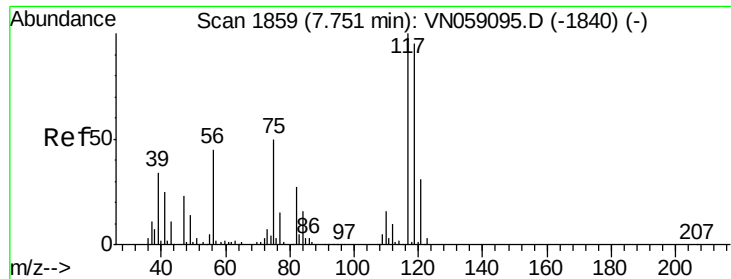
Tot Ion	75	Resp	34684
Ion Ratio	100	Lower	Upper
75	100		
110	8.1	17.1	51.2#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 1.225 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: VN059194.D
 Acq: 12 Nov 2019 16:35

Tgt Ion	43	Resp	8850
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
43	100		
61	12.8	11.2	16.8
70	5.1	7.8	11.8#

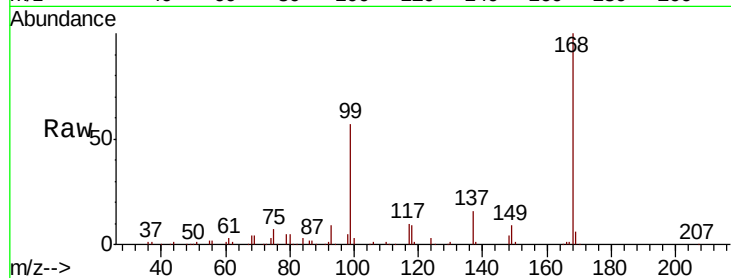




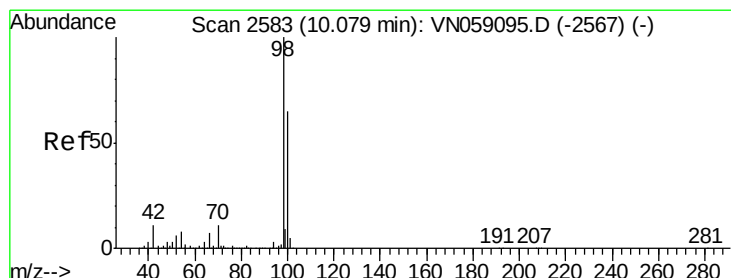
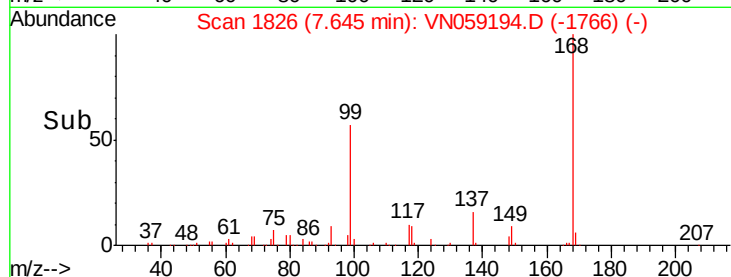
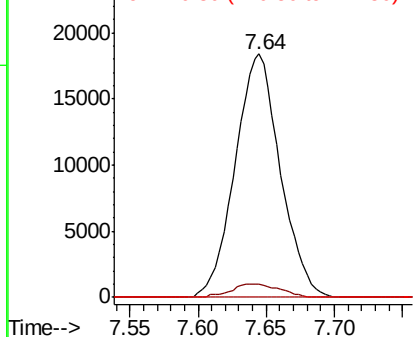
#38
Carbon Tetrachloride
Concen: 6.530 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059194.D
Acq: 12 Nov 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 42219
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 24.6 36.8#

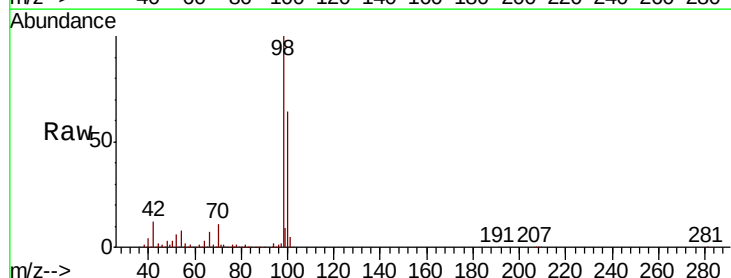


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

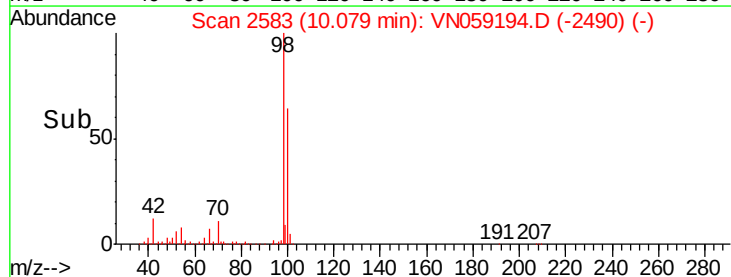
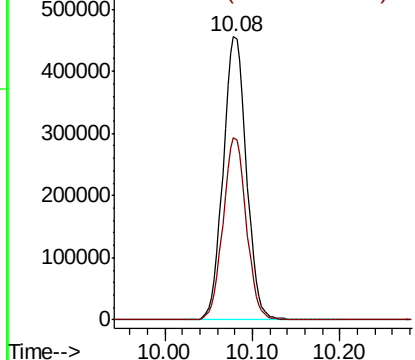


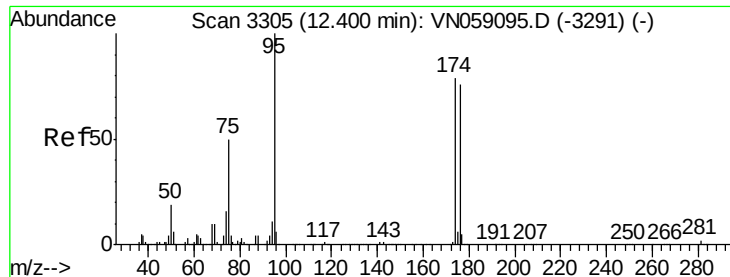
#50
Toluene-d8
Concen: 51.494 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059194.D
Acq: 12 Nov 2019 16:35

Tgt Ion: 98 Resp: 841670
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



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





#62

4-Bromofluorobenzene

Concen: 45.515 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059194.D

Acq: 12 Nov 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

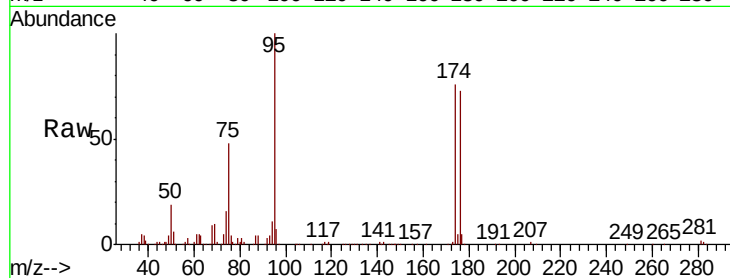
Tot Ion: 95 Resp: 268239

Ion Ratio Lower Upper

95 100

174 78.1 0.0 158.2

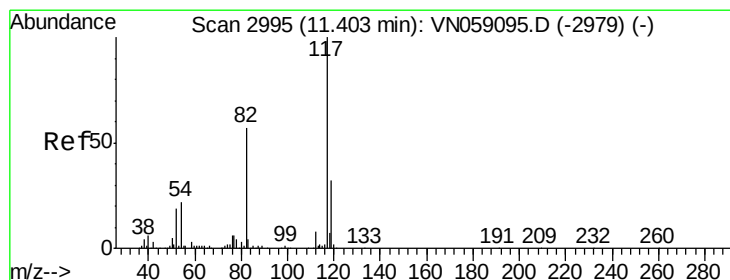
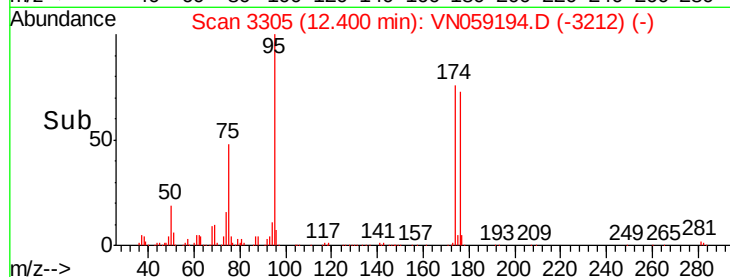
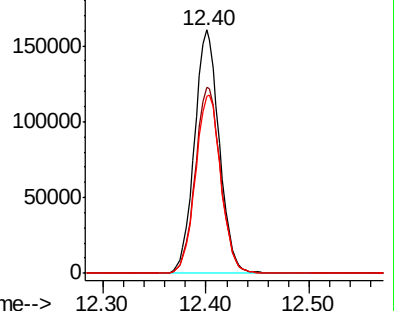
176 75.1 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059095.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059095.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059095.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059194.D

Acq: 12 Nov 2019 16:35

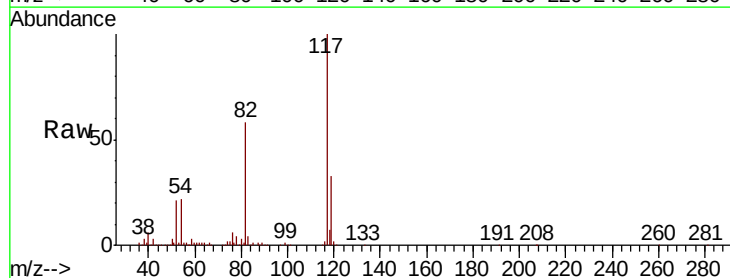
Tgt Ion: 117 Resp: 615488

Ion Ratio Lower Upper

117 100

82 58.4 45.8 68.8

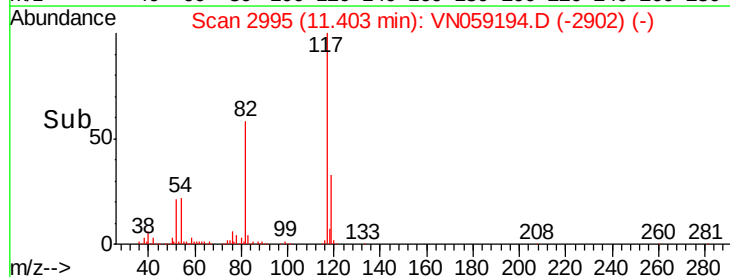
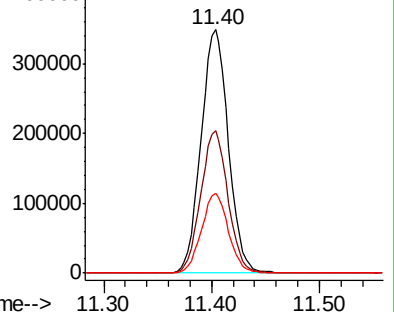
119 32.8 25.8 38.6

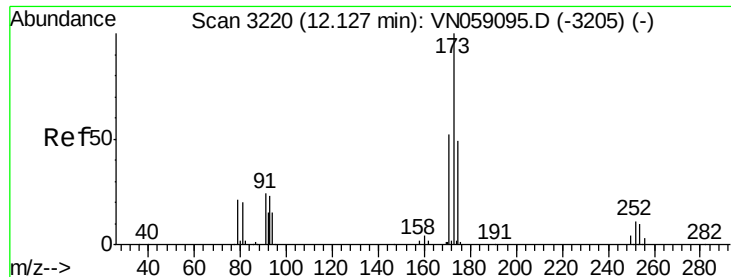


Abundance Ion 116.90 (116.60 to 117.60): VN059095.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059095.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059095.D (-2979) (-)





#71

Bromoform

Concen: 0.319 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059194.D

Acq: 12 Nov 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

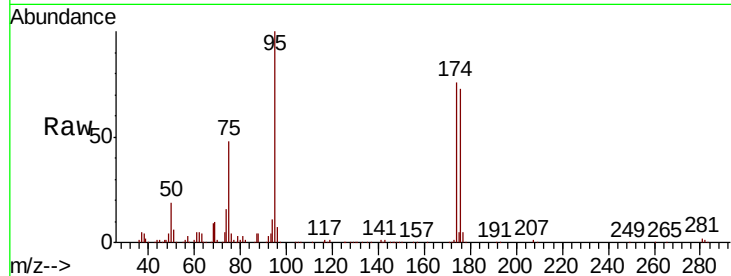
Tot Ion:173 Resp: 1117

Ion Ratio Lower Upper

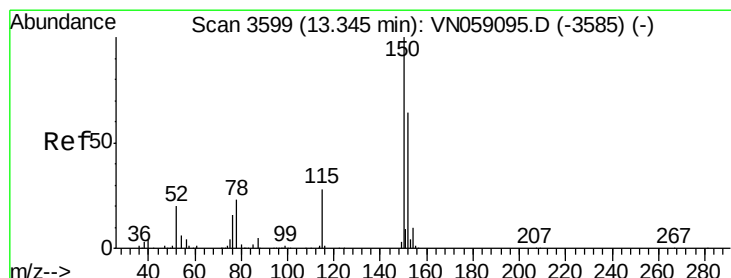
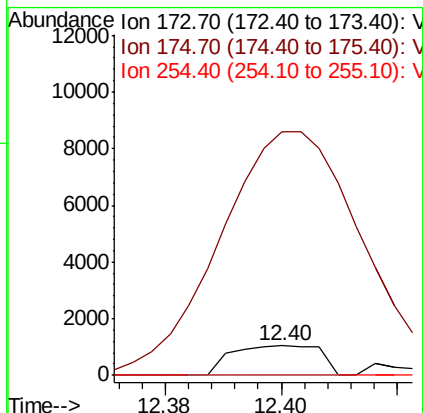
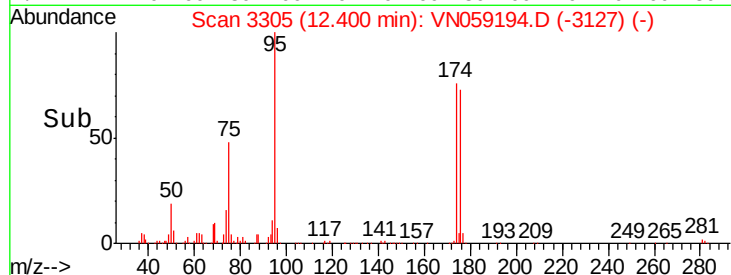
173 100

175 1150.8 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: VN059194.D

Acq: 12 Nov 2019 16:35

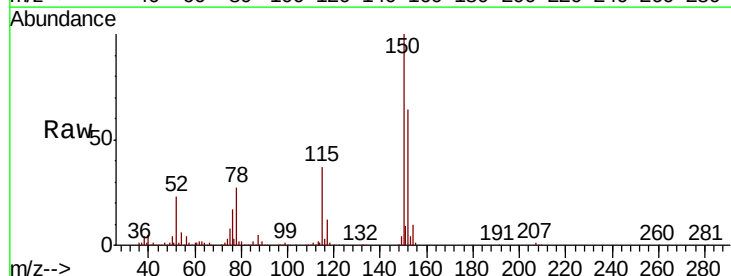
Tgt Ion:152 Resp: 222640

Ion Ratio Lower Upper

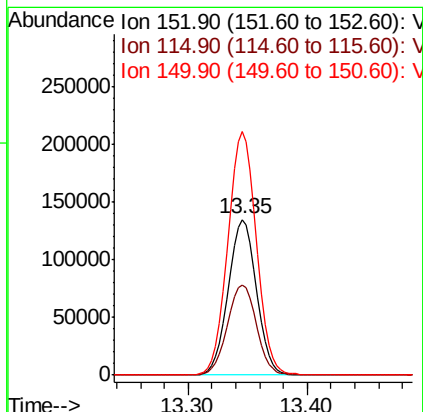
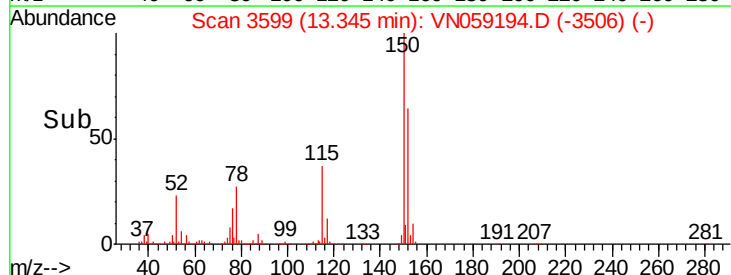
152 100

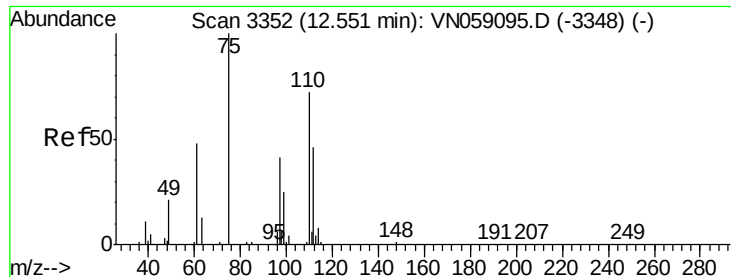
115 59.5 29.4 88.2

150 157.5 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: 26.265 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059194.D

Acq: 12 Nov 2019 16:35

Instrument :

MSVOA_N

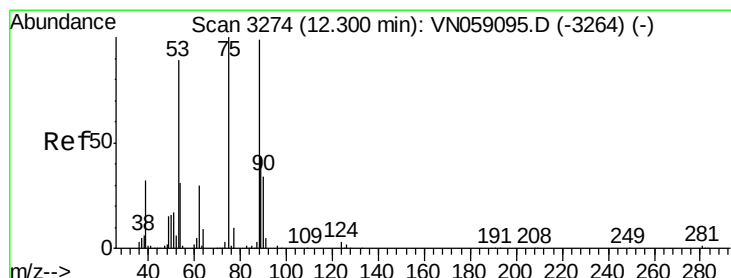
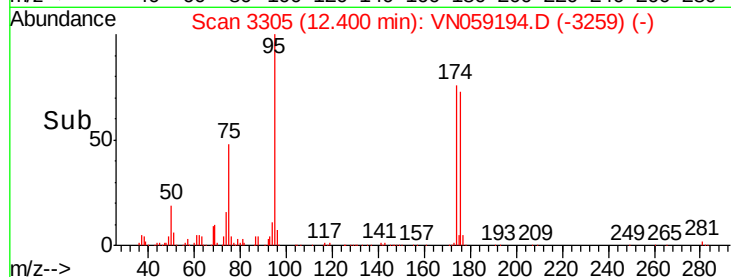
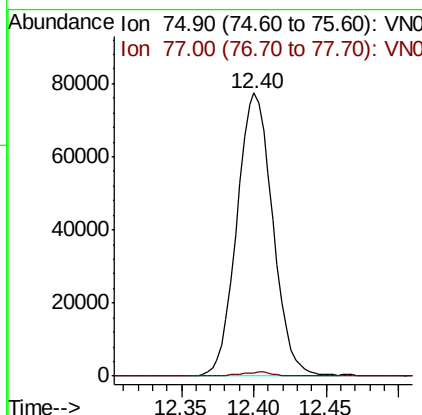
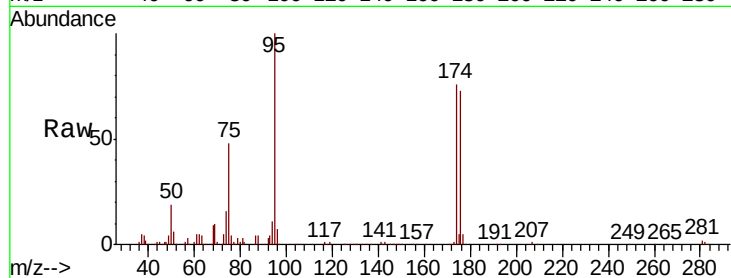
ClientSampled :

Tot Ion: 75 Resp: 133130

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.373 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059194.D

Acq: 12 Nov 2019 16:35

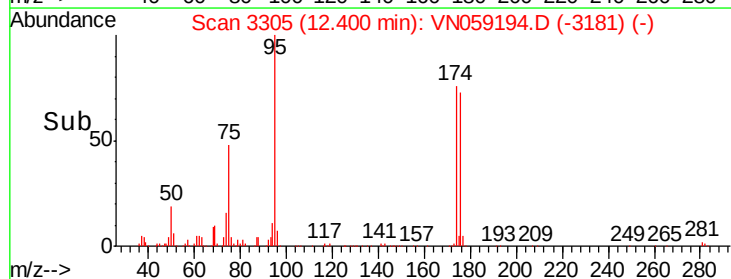
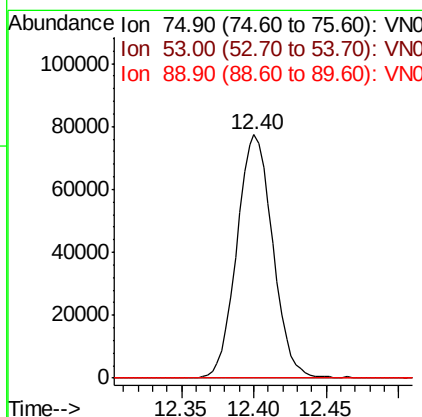
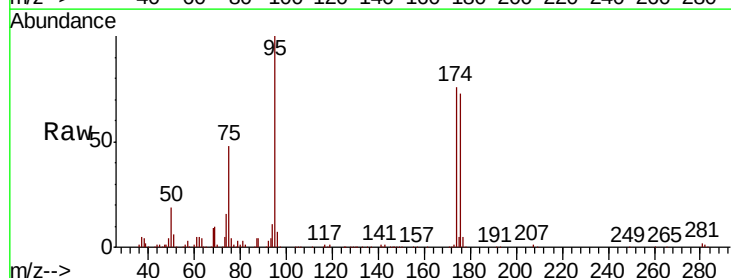
Tgt Ion: 75 Resp: 133130

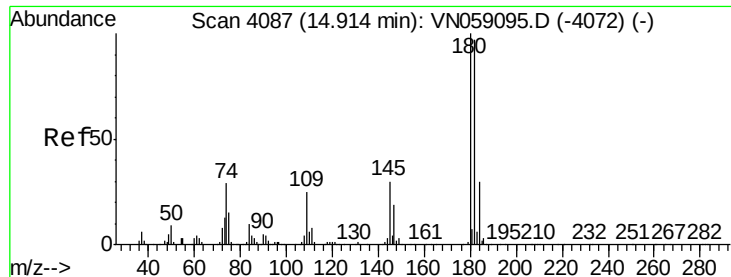
Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

89 0.0 35.8 53.8#

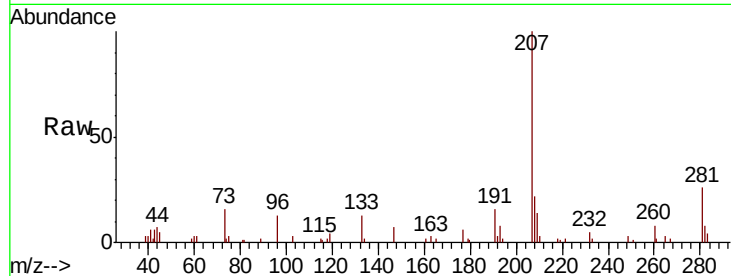




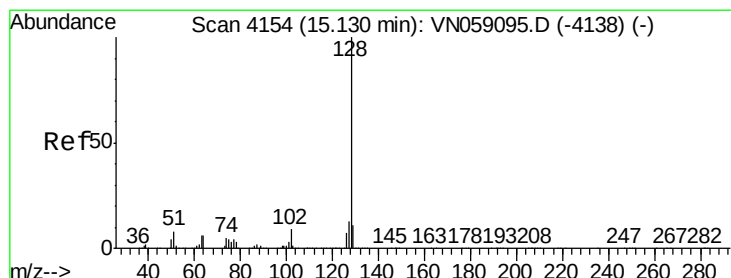
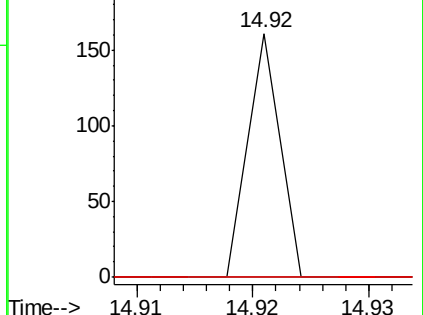
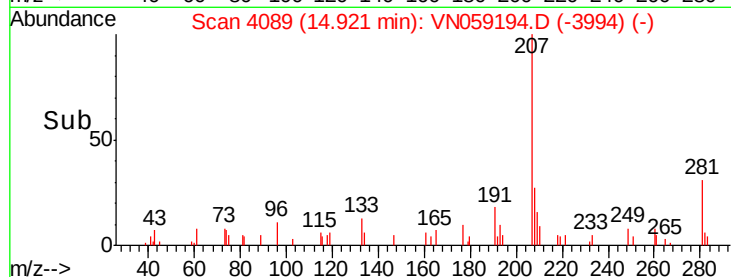
#93
 1,2,4-Trichlorobenzene
 Concen: 3.053 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN059194.D
 Acq: 12 Nov 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :

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

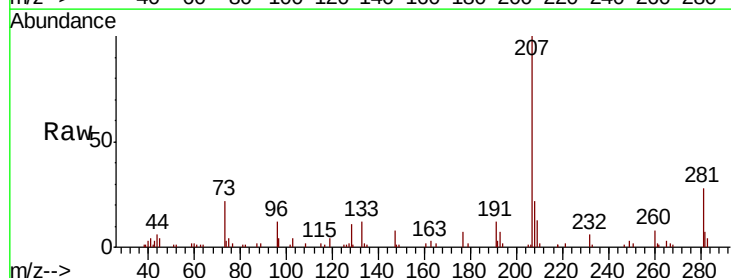


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.322 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN059194.D
 Acq: 12 Nov 2019 16:35

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.5	10.2	15.2#
129	6.2	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

