

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120419\
 Data File : VN059482.D
 Acq On : 4 Dec 2019 13:11
 Operator : JC/SP
 Sample : K6069-03MEDL 5X
 Misc : 4.83g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 05 00:45:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	310005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	483462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	427642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	160180	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	188105	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	7.56	113	148723	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	10.08	98	591223	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	192690	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	

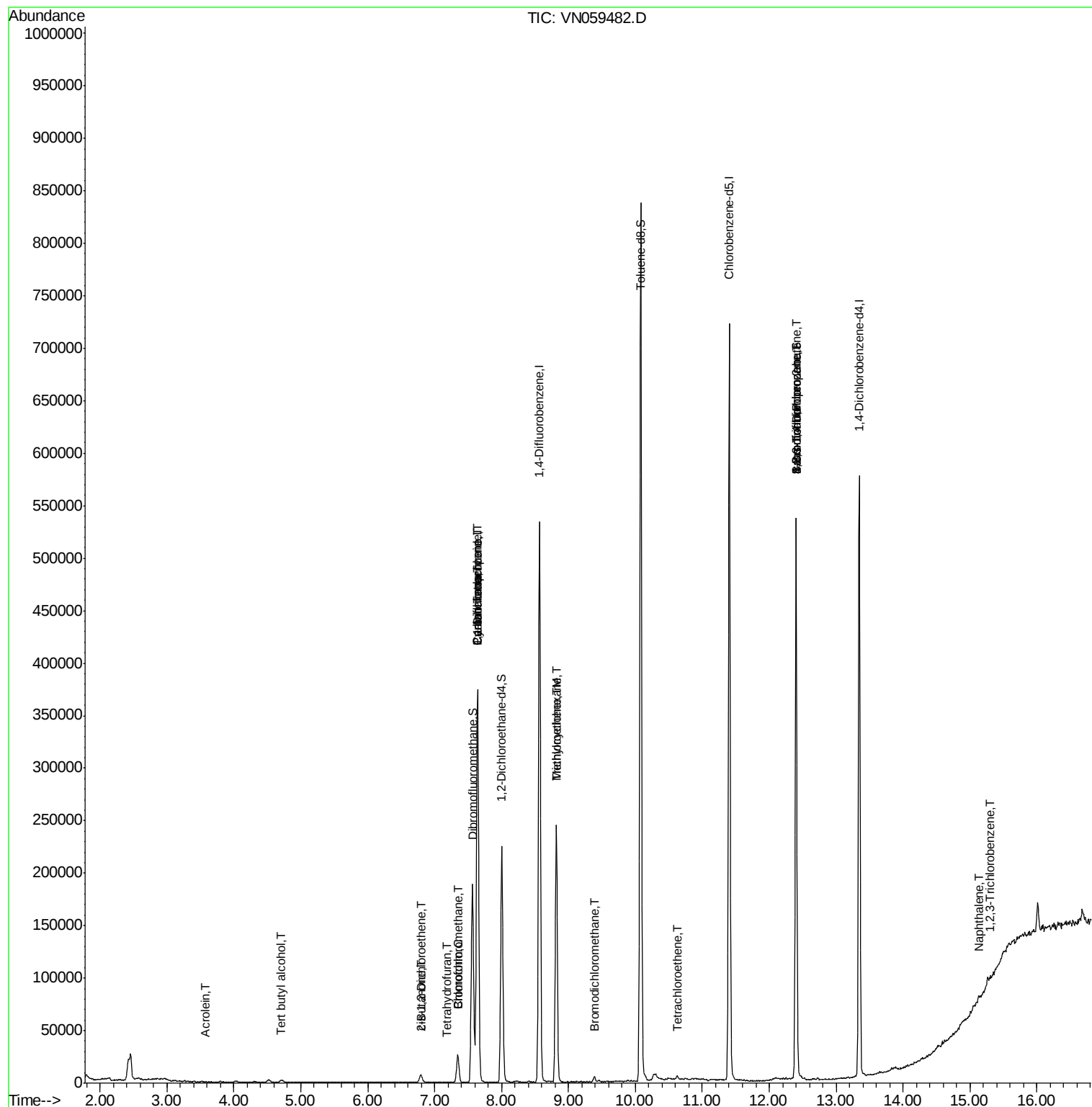
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	1428	1.968	ug/l #	73
13) Acrolein	3.59	56	171	0.272	ug/l #	14
16) Acetone	3.78	43	288	Below Cal	#	44
20) Methylene Chloride	4.51	84	1111	Below Cal	#	83
25) 2-Butanone	6.82	43	1225	0.418	ug/l #	50
27) cis-1,2-Dichloroethene	6.81	96	1368	0.342	ug/l	95
28) Bromochloromethane	7.35	49	2232	1.431	ug/l #	15
29) Tetrahydrofuran	7.19	42	429	0.233	ug/l #	34
30) Chloroform	7.35	83	27985	4.328	ug/l	97
31) Cyclohexane	7.64	56	5977	0.921	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	23636	4.698	ug/l #	49
38) Carbon Tetrachloride	7.64	117	28901	5.973	ug/l #	16
39) Methylcyclohexane	8.82	83	1254	0.207	ug/l #	1
44) Trichloroethene	8.82	130	92487	24.022	ug/l	99
47) Bromodichloromethane	9.39	83	3411	0.694	ug/l #	92
64) Tetrachloroethene	10.62	164	810	0.223	ug/l	89
71) Bromoform	12.40	173	961	0.367	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	93769	23.544	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	93769	61.787	ug/l #	15
95) Naphthalene	15.13	128	2245	2.661	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.30	180	924	2.232	ug/l #	61

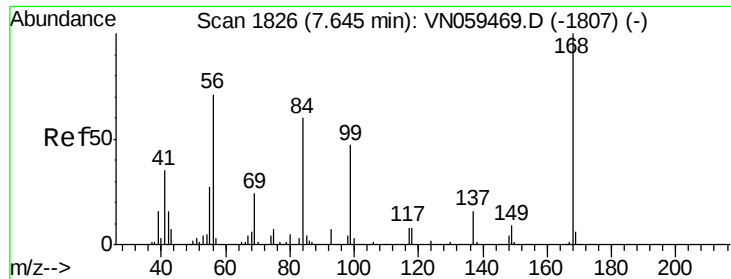
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN059482.D
Acq On : 4 Dec 2019 13:11
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Instrument :
MSVOA_N
ClientSampled :

Quant Time: Dec 05 00:45:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 16:37:42 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: VN059482.D

Acq: 4 Dec 2019 13:11

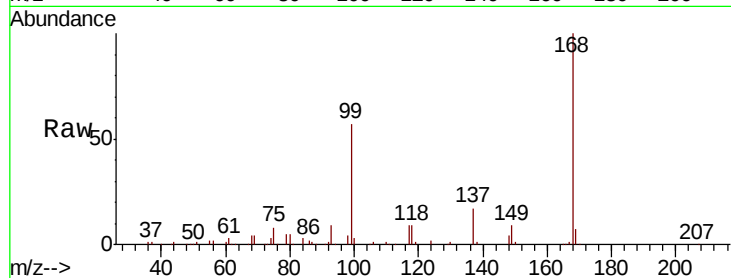
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 310005

Ion Ratio Lower Upper

168 100

99 56.9 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

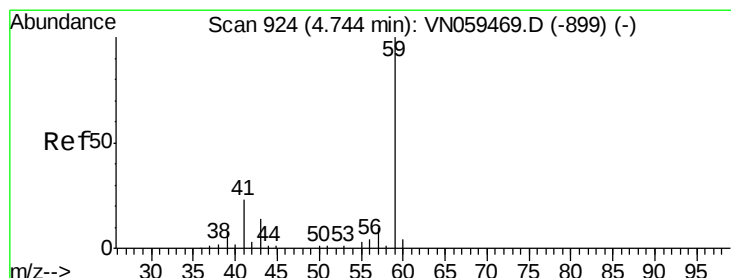
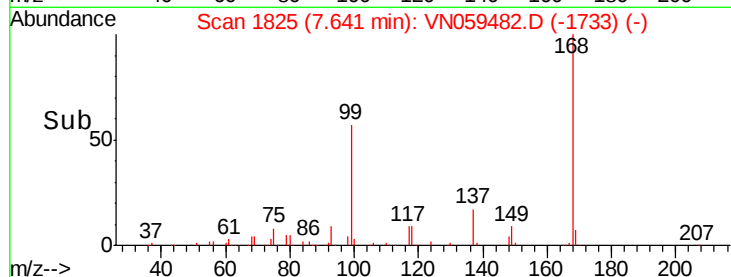
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 1.968 ug/l

RT: 4.71 min Scan# 913

Delta R.T. -0.04 min

Lab File: VN059482.D

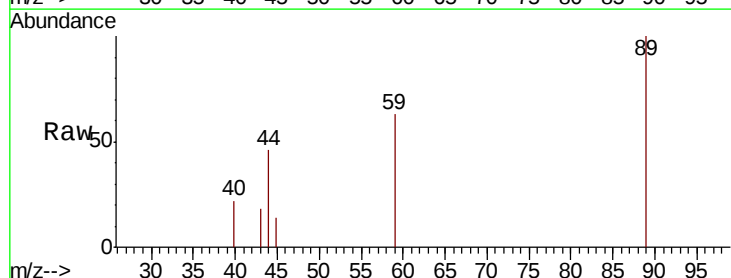
Acq: 4 Dec 2019 13:11

Tgt Ion: 59 Resp: 1428

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.71

800

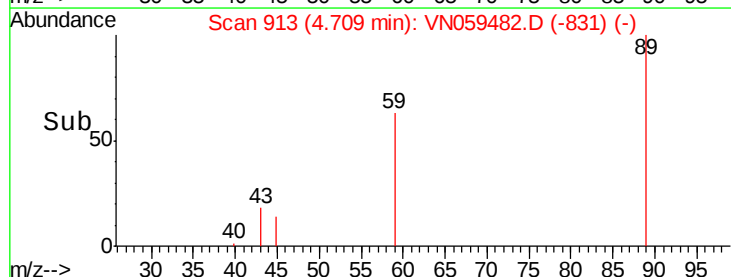
600

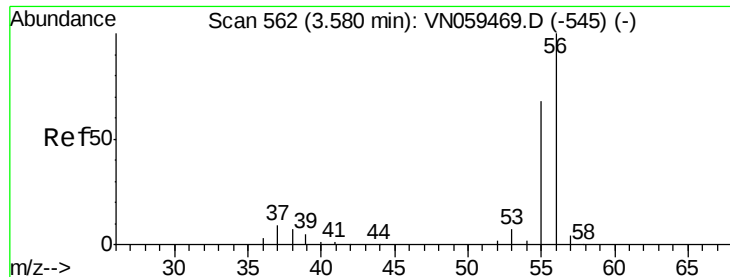
400

200

0

Time--> 4.66 4.68 4.70 4.72





#13

Acrolein

Concen: 0.272 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN059482.D

Acq: 4 Dec 2019 13:11

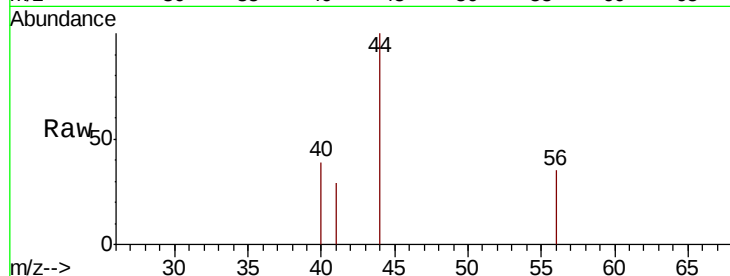
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 171

Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

200

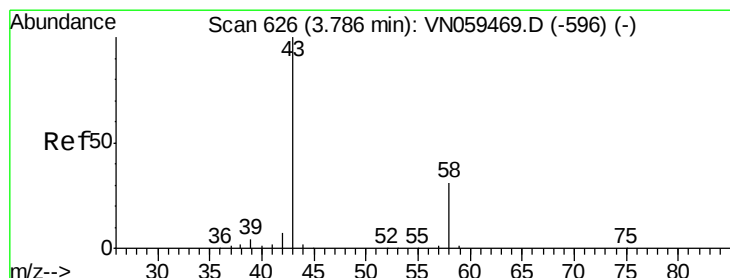
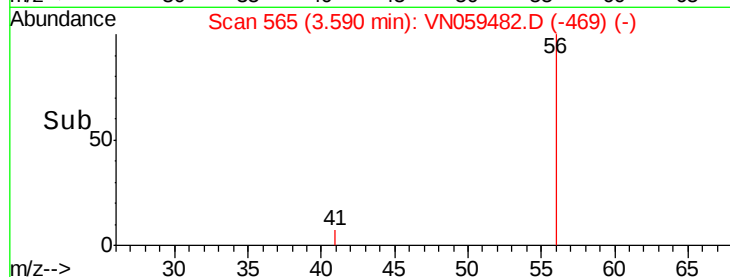
150

100

50

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 625

Delta R.T. -0.00 min

Lab File: VN059482.D

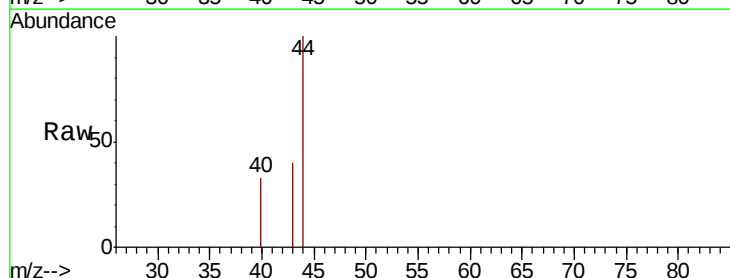
Acq: 4 Dec 2019 13:11

Tgt Ion: 43 Resp: 288

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

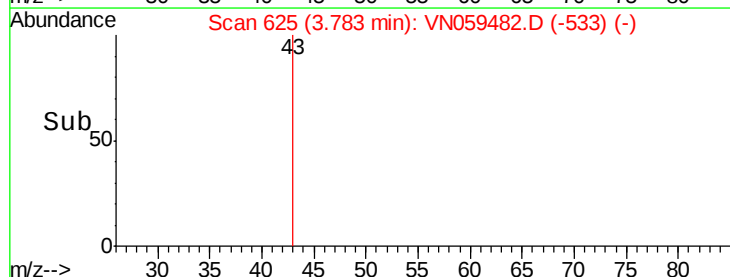
300

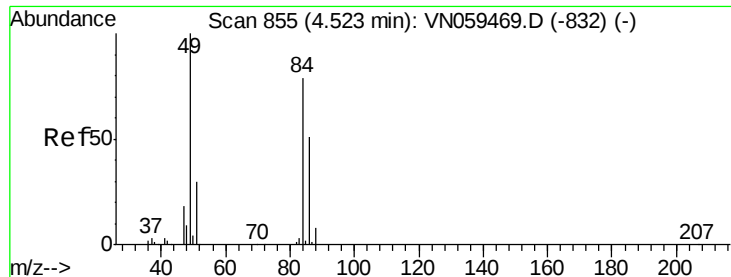
200

100

0

Time-->

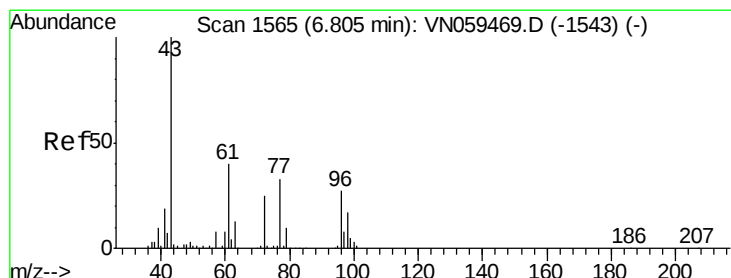
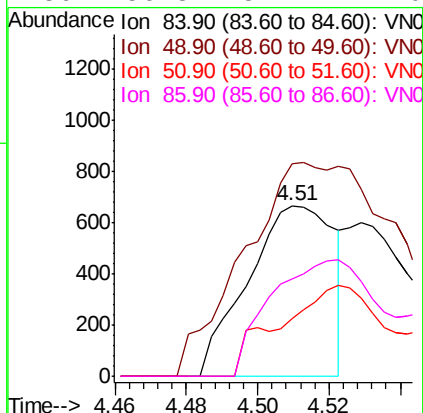
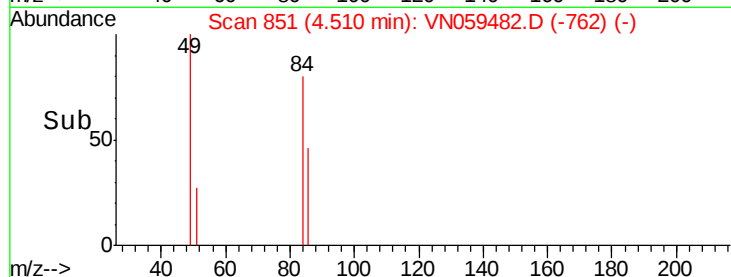
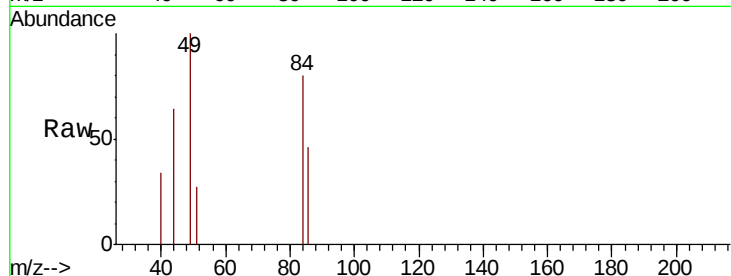




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN059482.D
Acq: 4 Dec 2019 13:11

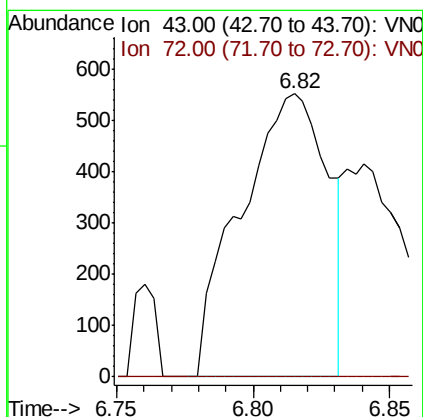
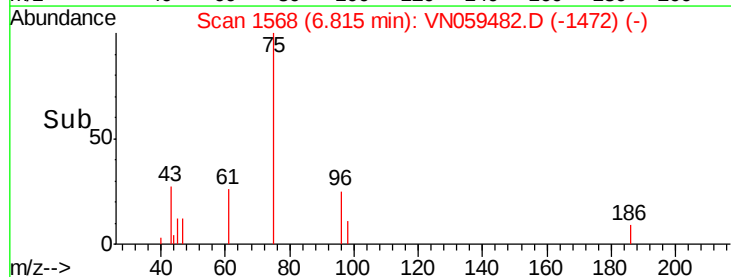
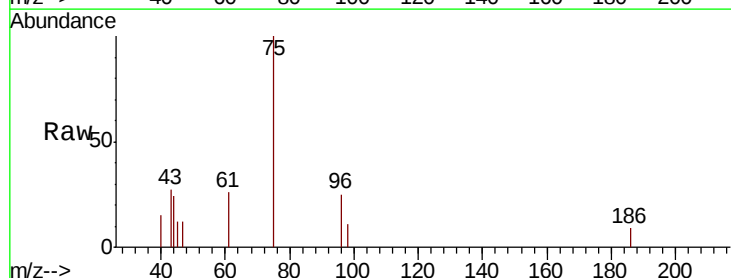
Instrument :
MSVOA_N
ClientSampled :

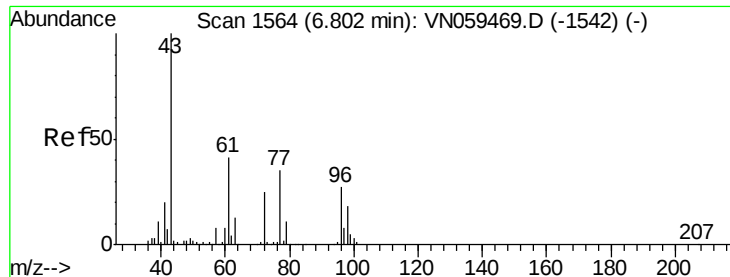
Tot Ion: 84 Resp: 1111
Ion Ratio Lower Upper
84 100
49 99.4 101.1 151.7#
51 34.1 30.7 46.1
86 56.8 51.4 77.0



#25
2-Butanone
Concen: 0.418 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VN059482.D
Acq: 4 Dec 2019 13:11

Tgt Ion: 43 Resp: 1225
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#





#27

cis-1,2-Dichloroethene

Concen: 0.342 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN059482.D

Acq: 4 Dec 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

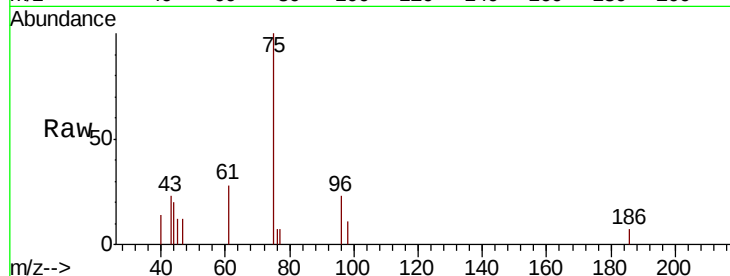
Tot Ion: 96 Resp: 1368

Ion Ratio Lower Upper

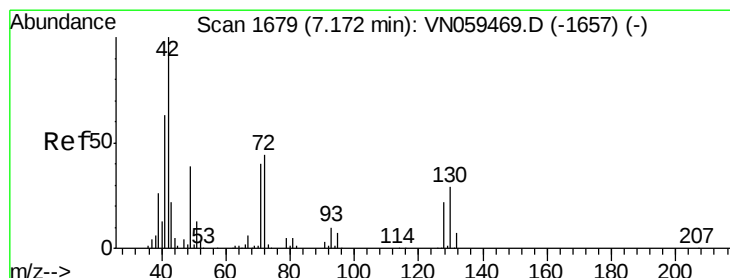
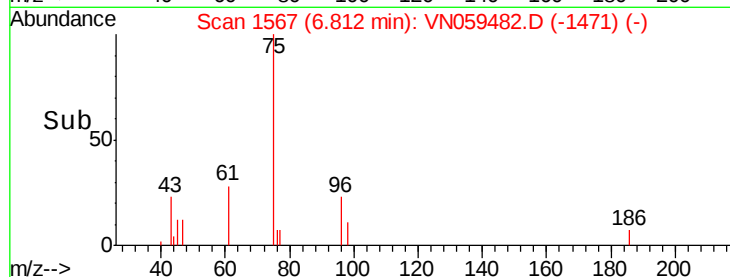
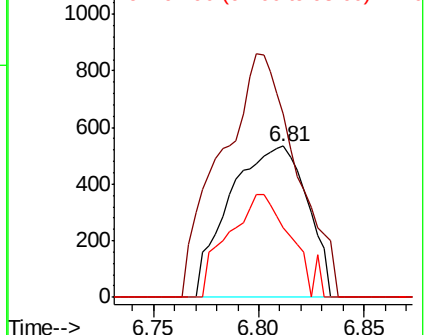
96 100

61 155.7 0.0 307.4

98 54.8 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 1.431 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.17 min

Lab File: VN059482.D

Acq: 4 Dec 2019 13:11

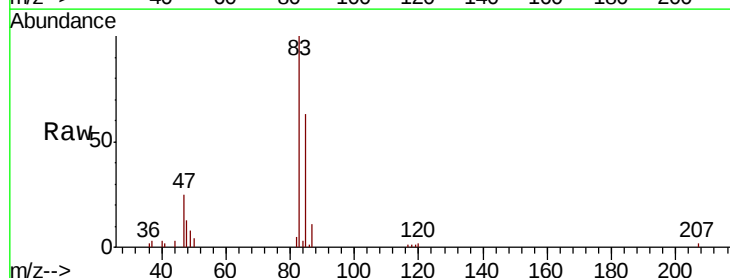
Tgt Ion: 49 Resp: 2232

Ion Ratio Lower Upper

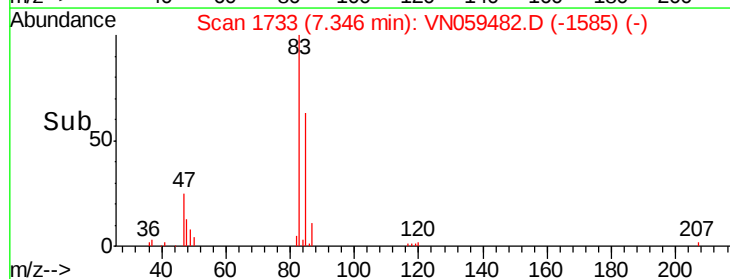
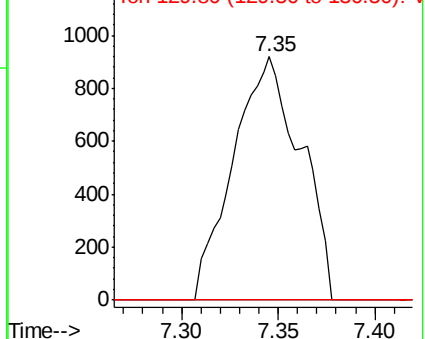
49 100

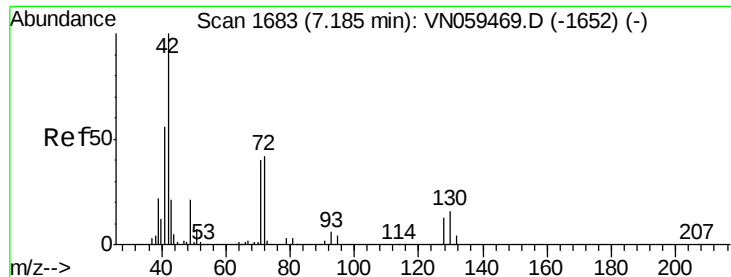
129 0.0 0.0 3.2

130 0.0 58.4 87.6#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

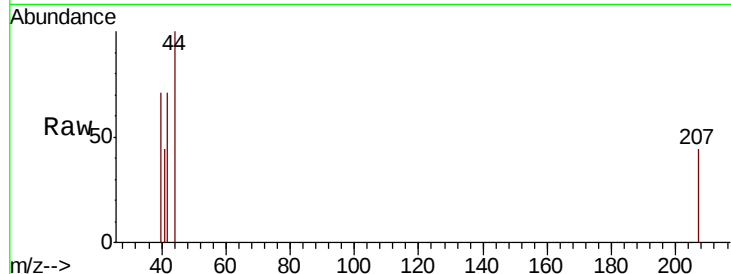




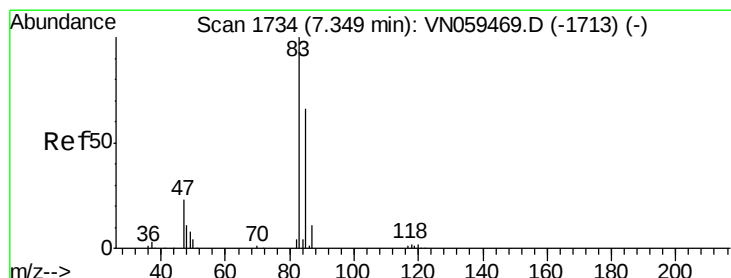
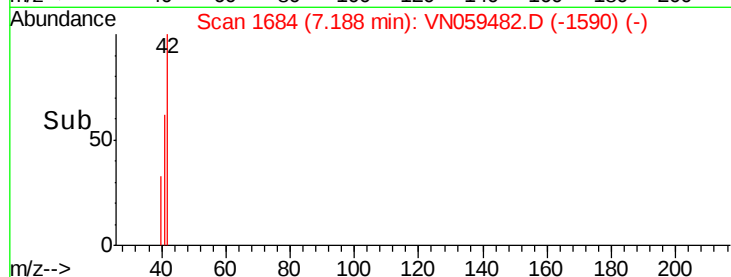
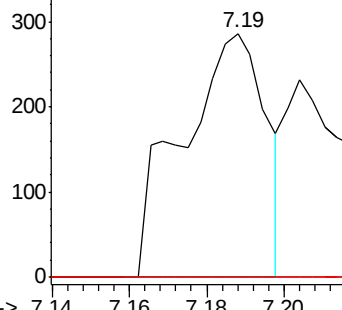
#29
Tetrahydrofuran
Concen: 0.233 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059482.D
Acq: 4 Dec 2019 13:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 429
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 0.0 32.0 48.0#

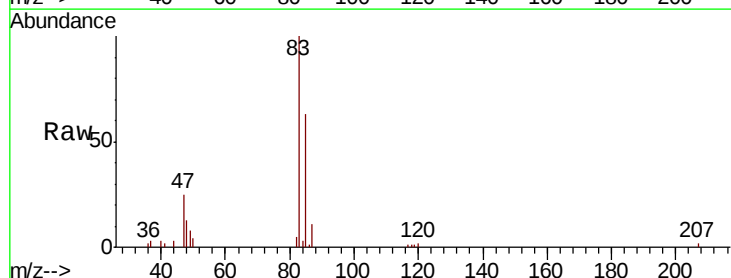


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

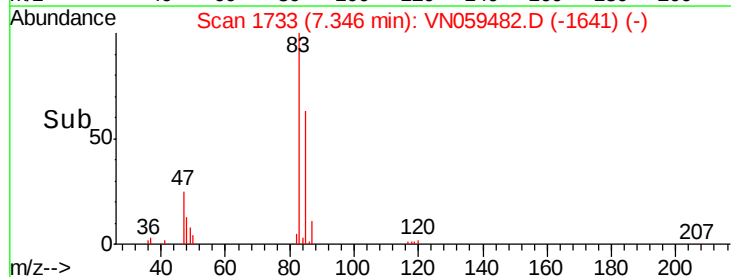
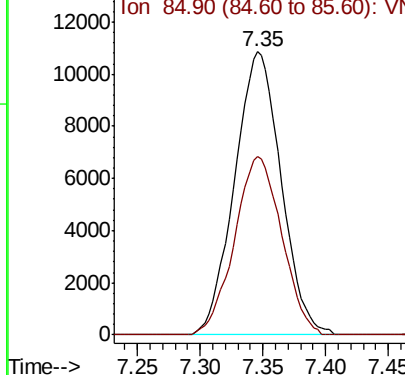


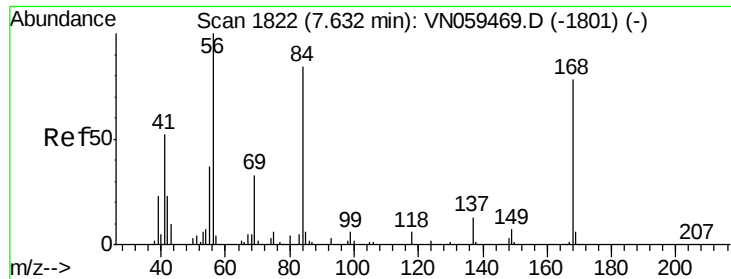
#30
Chloroform
Concen: 4.328 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059482.D
Acq: 4 Dec 2019 13:11

Tgt Ion: 83 Resp: 27985
Ion Ratio Lower Upper
83 100
85 63.2 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

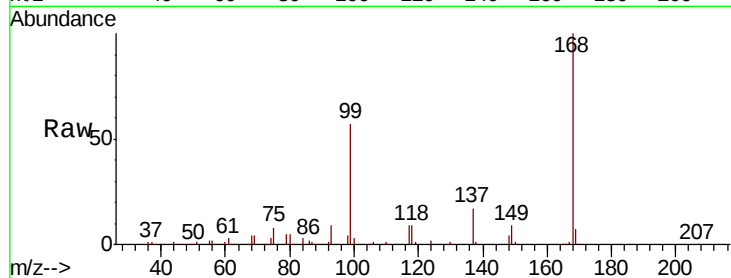




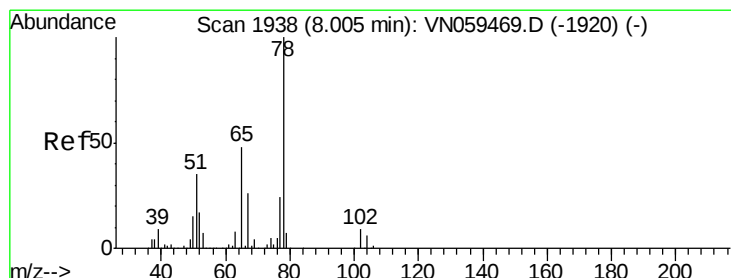
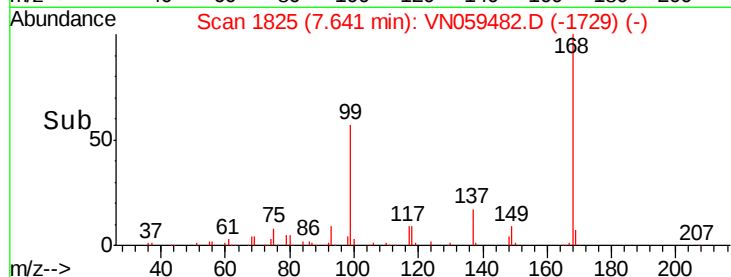
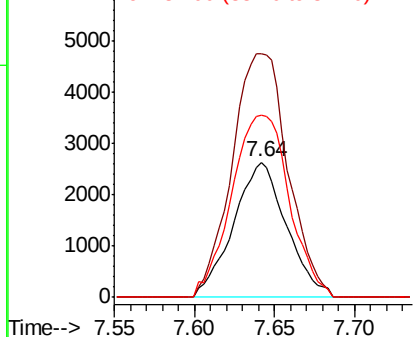
#31
Cyclohexane
Concen: 0.921 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059482.D
Acq: 4 Dec 2019 13:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 5977
Ion Ratio Lower Upper
56 100
69 179.7 26.2 39.4#
84 135.1 66.8 100.2#

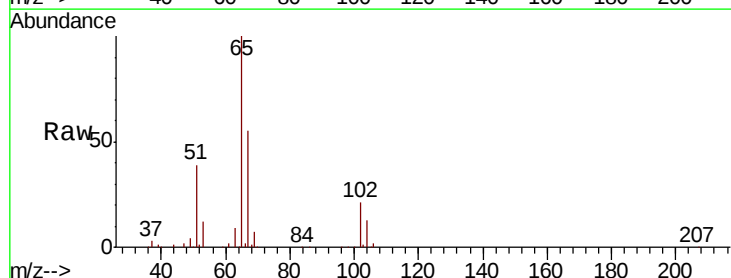


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

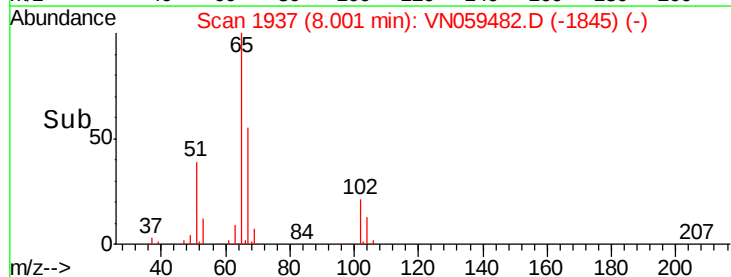
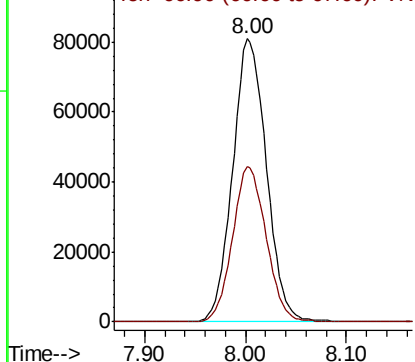


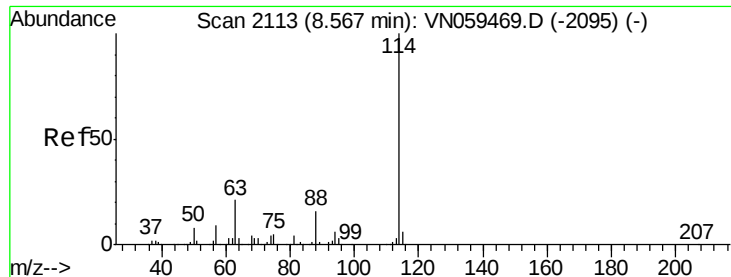
#33
1,2-Dichloroethane-d4
Concen: 48.844 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN059482.D
Acq: 4 Dec 2019 13:11

Tgt Ion: 65 Resp: 188105
Ion Ratio Lower Upper
65 100
67 54.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

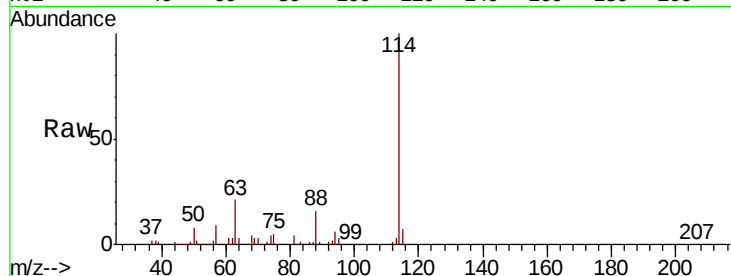




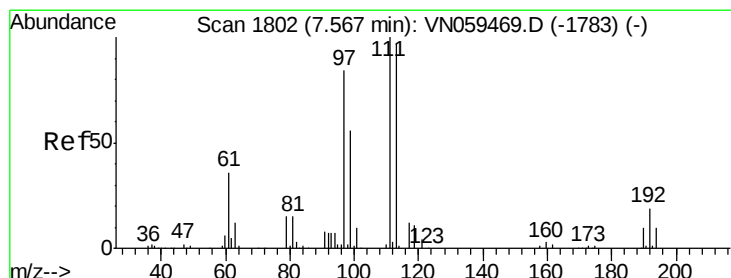
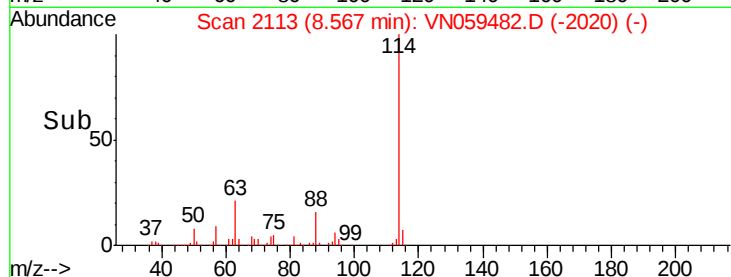
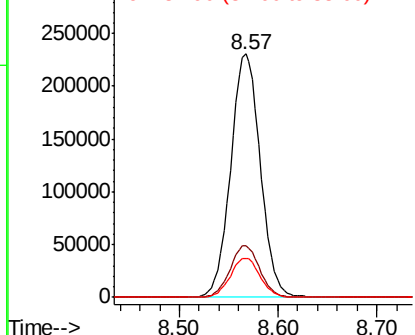
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059482.D
 Acq: 4 Dec 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 483462
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.4
 88 16.1 0.0 32.8

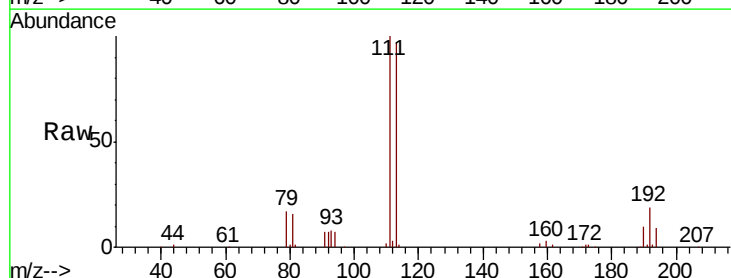


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

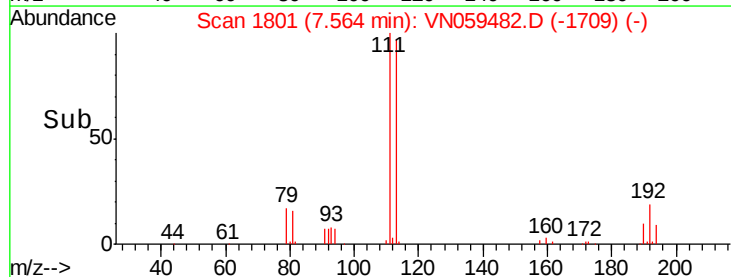
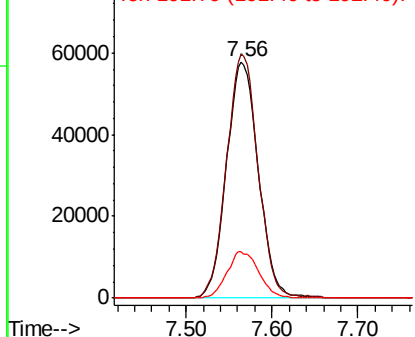


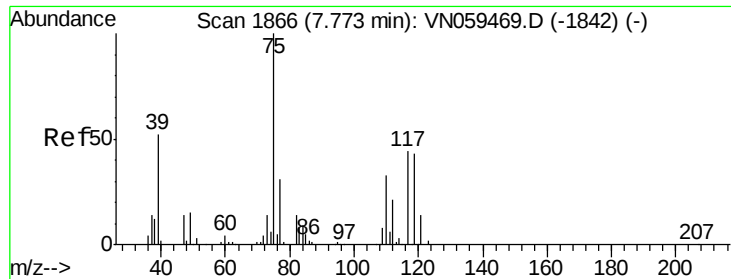
#35
 Dibromofluoromethane
 Concen: 49.391 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059482.D
 Acq: 4 Dec 2019 13:11

Tgt Ion:113 Resp: 148723
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.5 123.7
 192 19.6 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

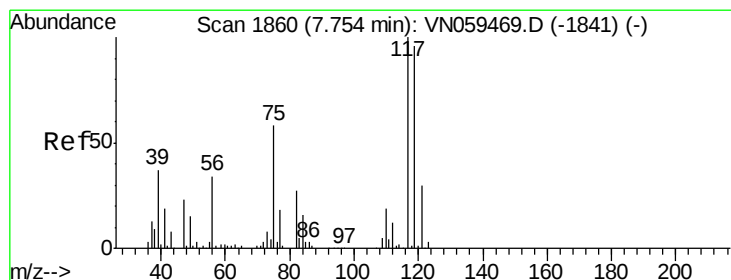
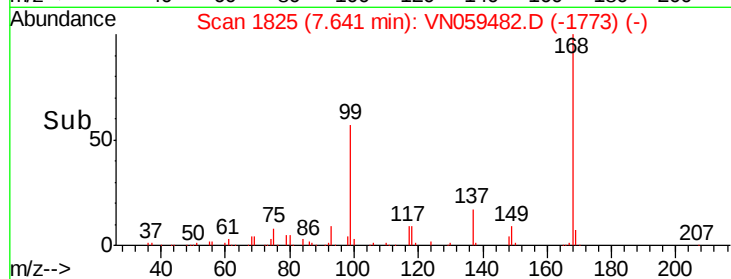
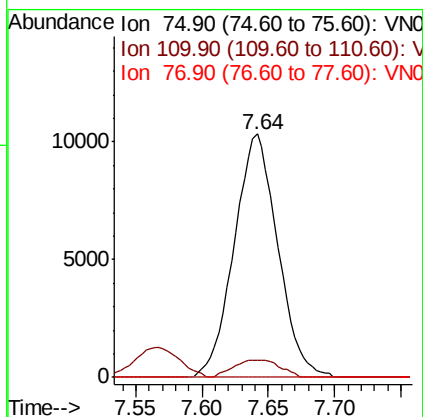
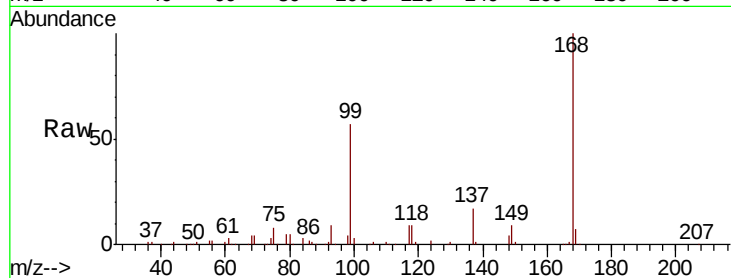




#36
 1,1-Dichloropropene
 Concen: 4.698 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059482.D
 Acq: 4 Dec 2019 13:11

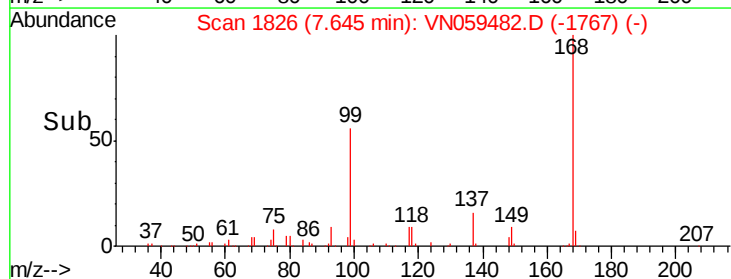
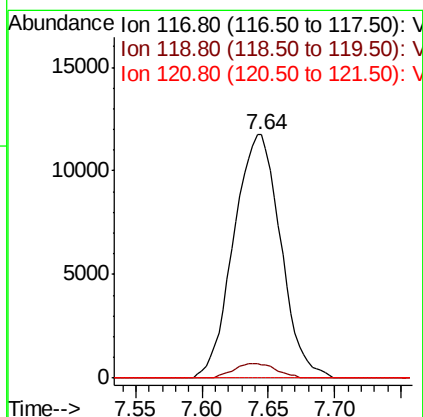
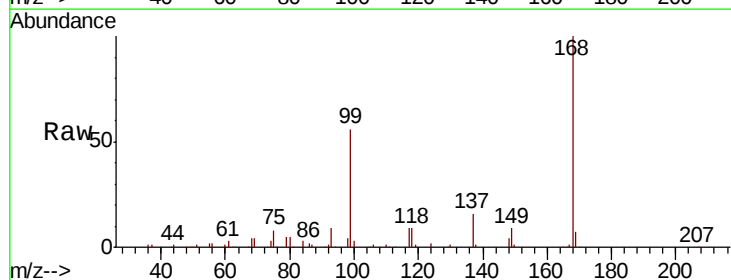
Instrument :
 MSVOA_N
 ClientSampleId :

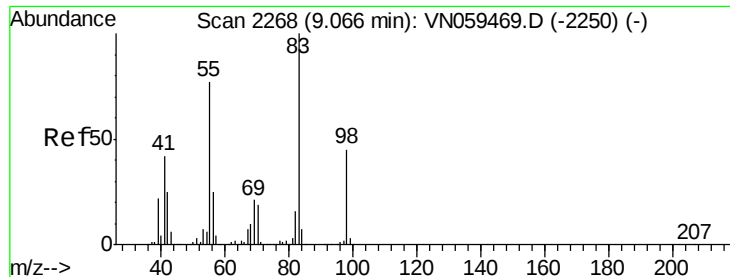
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.9	50.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.973 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059482.D
 Acq: 4 Dec 2019 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.6	114.8#
121	0.0	24.0	36.0#

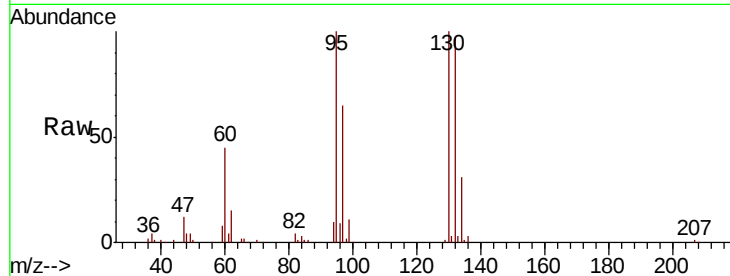




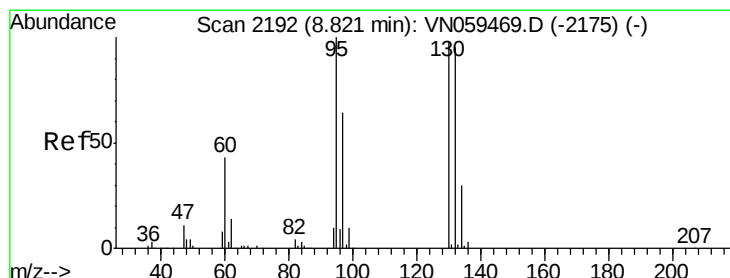
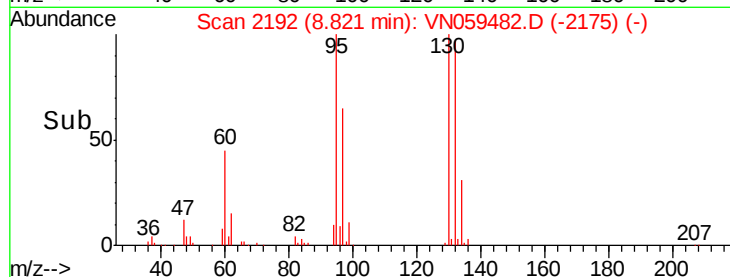
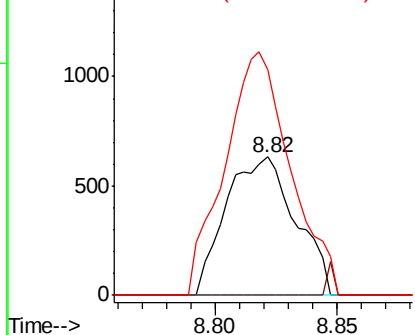
#39
Methvlcvclohexane
Concen: 0.207 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.24 min
Lab File: VN059482.D
Acq: 4 Dec 2019 13:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 1254
Ion Ratio Lower Upper
83 100
55 0.0 61.8 92.6#
98 162.8 36.2 54.2#

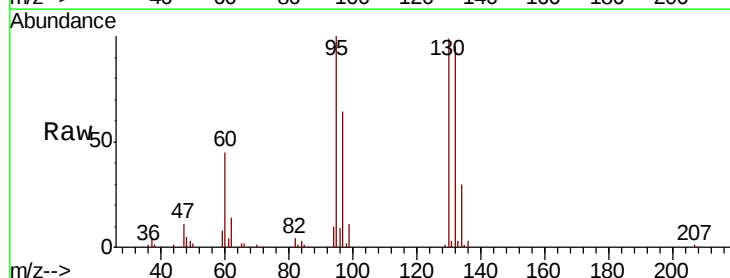


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

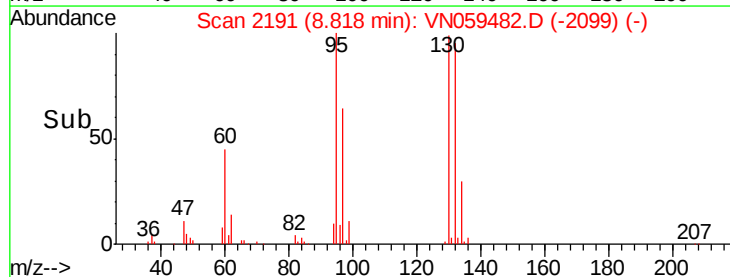
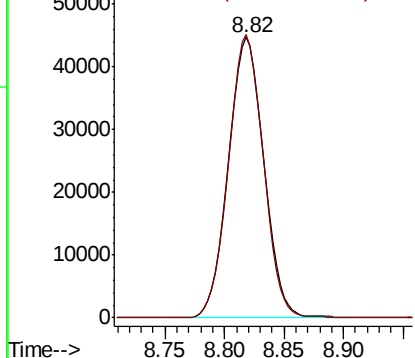


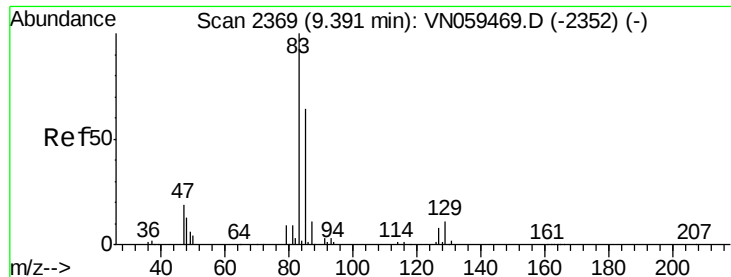
#44
Trichloroethene
Concen: 24.022 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059482.D
Acq: 4 Dec 2019 13:11

Tgt Ion:130 Resp: 92487
Ion Ratio Lower Upper
130 100
95 100.9 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#47

Bromodichloromethane

Concen: 0.694 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059482.D

Acq: 4 Dec 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

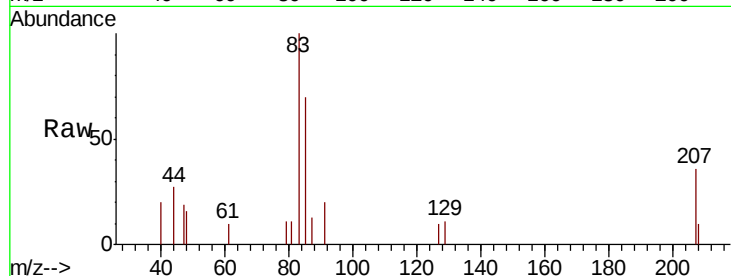
Tot Ion: 83 Resp: 3411

Ion Ratio Lower Upper

83 100

85 70.1 51.0 76.6

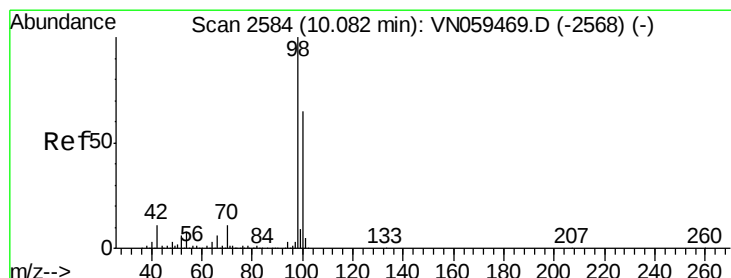
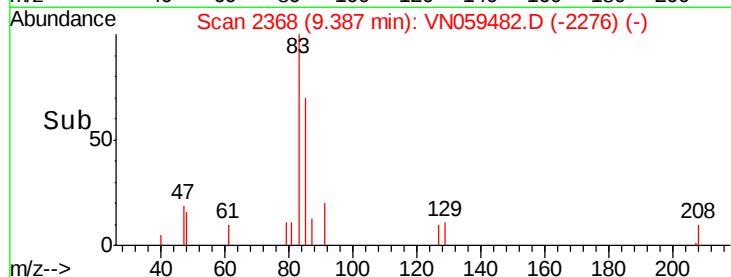
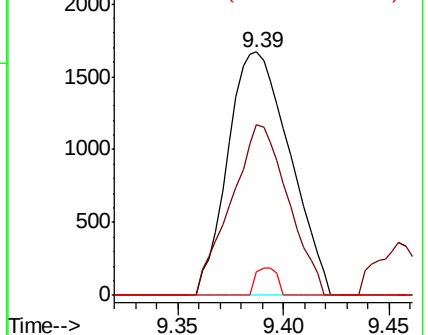
127 9.9 6.6 9.8#



Abundance Ion 82.90 (82.60 to 83.60): VN059482.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059482.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059482.D (-2276) (-)



#50

Toluene-d8

Concen: 49.799 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059482.D

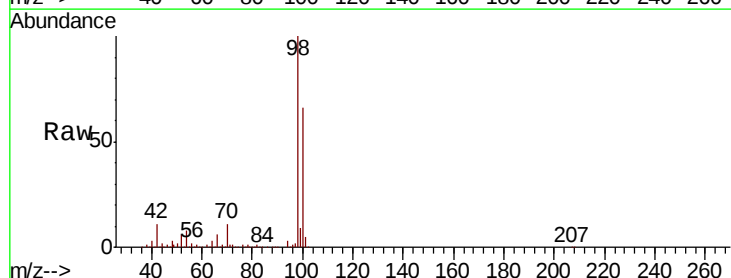
Acq: 4 Dec 2019 13:11

Tgt Ion: 98 Resp: 591223

Ion Ratio Lower Upper

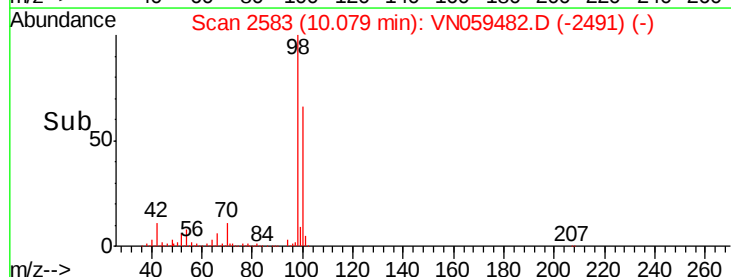
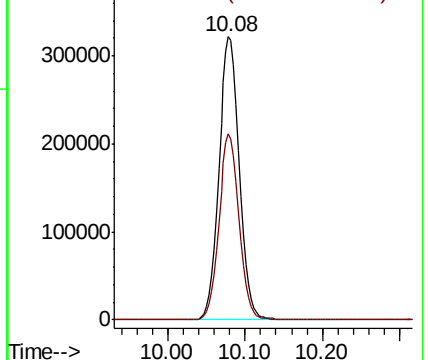
98 100

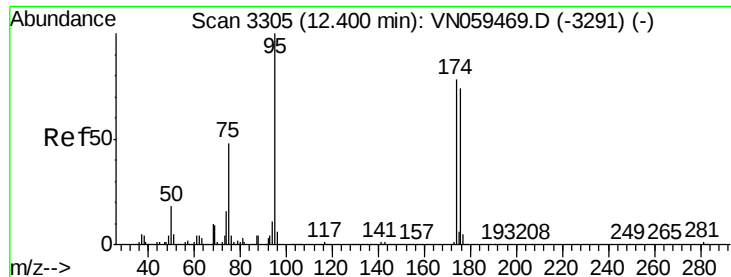
100 64.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VN059482.D (-2491) (-)

Ion 100.00 (99.70 to 100.70): VN059482.D (-2491) (-)





#62

4-Bromofluorobenzene

Concen: 46.475 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059482.D

Acq: 4 Dec 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

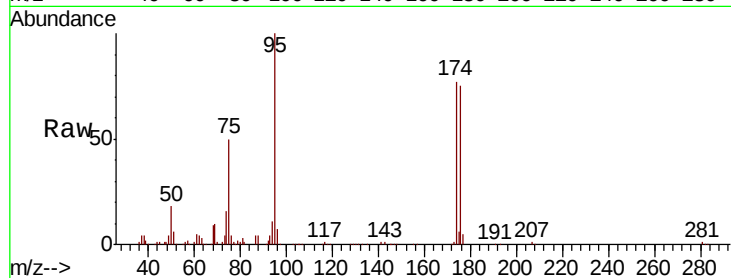
Tot Ion: 95 Resp: 192690

Ion Ratio Lower Upper

95 100

174 77.7 0.0 157.0

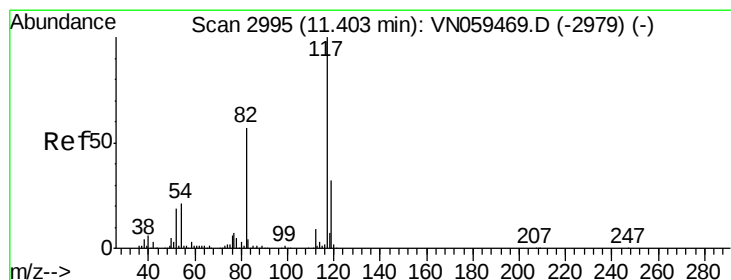
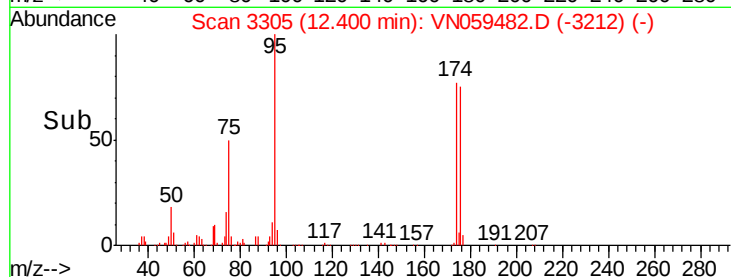
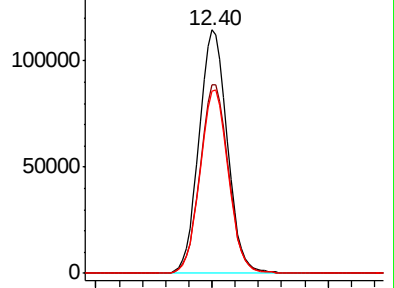
176 75.6 0.0 152.4



Abundance Ion 94.90 (94.60 to 95.60): VN059469.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059469.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059469.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059482.D

Acq: 4 Dec 2019 13:11

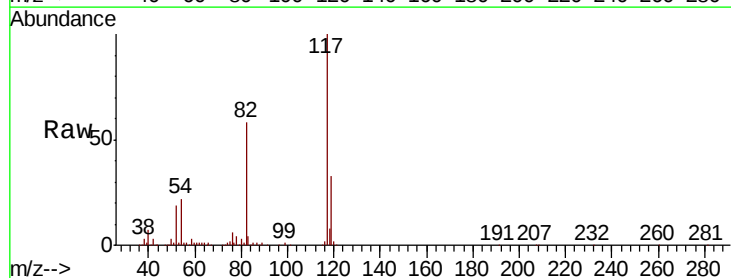
Tgt Ion: 117 Resp: 427642

Ion Ratio Lower Upper

117 100

82 57.9 45.8 68.8

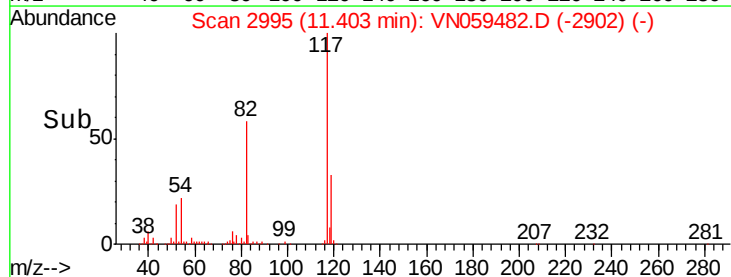
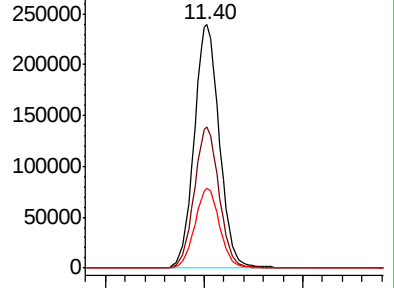
119 32.9 25.4 38.0

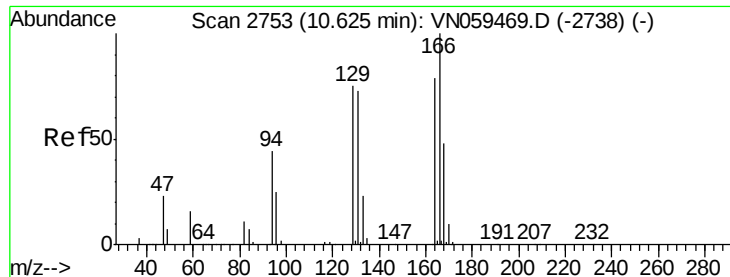


Abundance Ion 116.90 (116.60 to 117.60): VN059469.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059469.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059469.D (-2979) (-)





#64

Tetrachloroethene

Concen: 0.223 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059482.D

Acq: 4 Dec 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 810

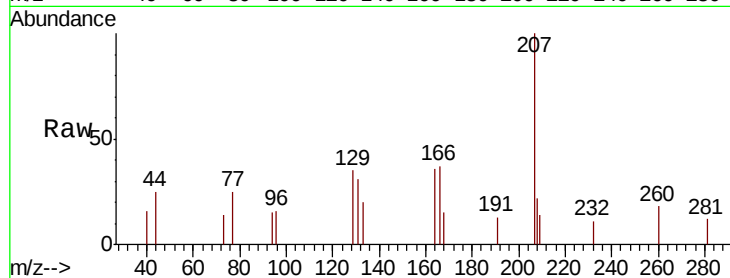
Ion Ratio Lower Upper

164 100

166 103.5 101.2 151.8

129 98.3 76.1 114.1

131 87.0 73.7 110.5

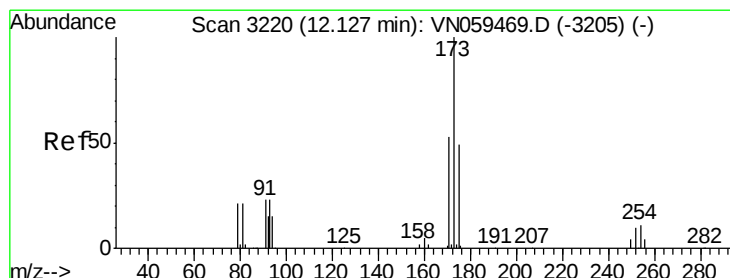
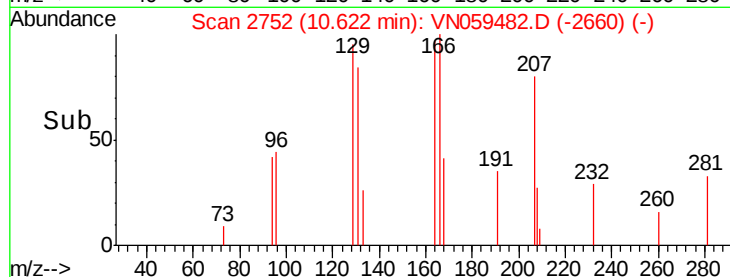
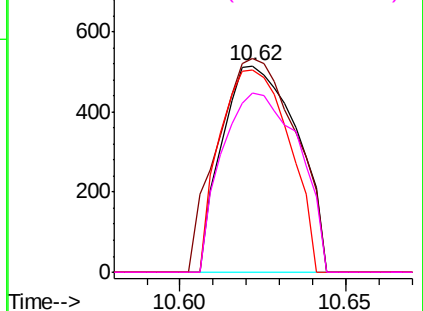


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 0.367 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059482.D

Acq: 4 Dec 2019 13:11

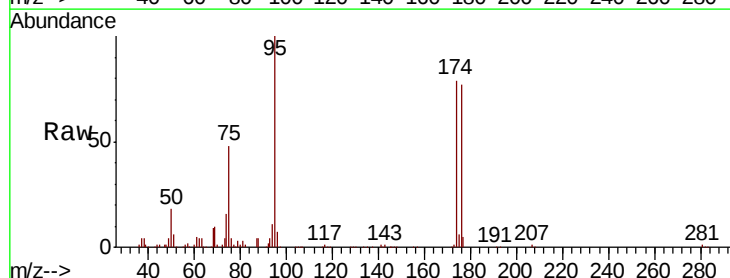
Tgt Ion:173 Resp: 961

Ion Ratio Lower Upper

173 100

175 997.7 24.3 73.0#

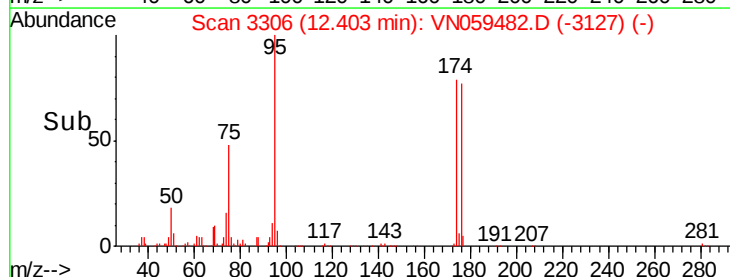
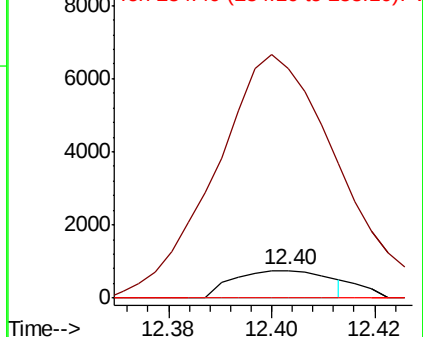
254 0.0 0.0 0.0

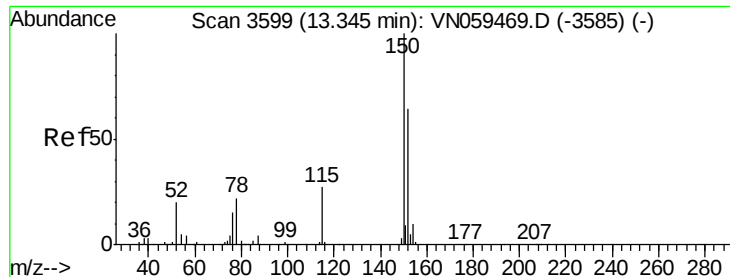


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



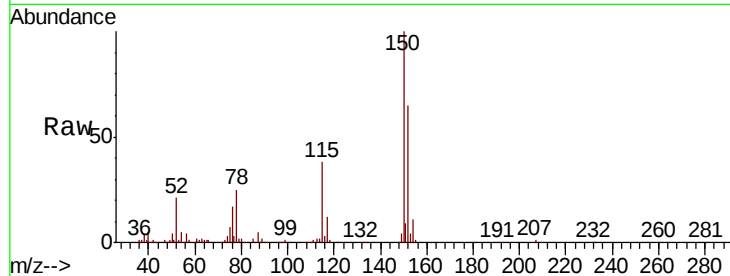


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059482.D
Acq: 4 Dec 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.8	29.2	87.6
150	155.6	0.0	352.8

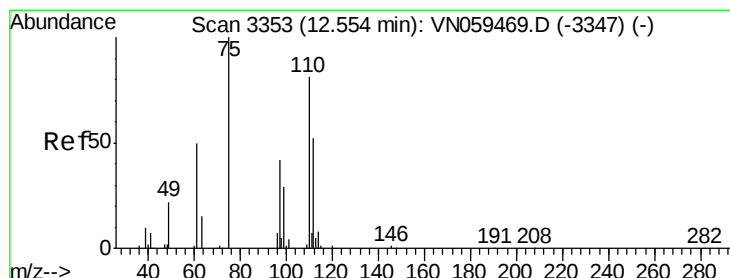
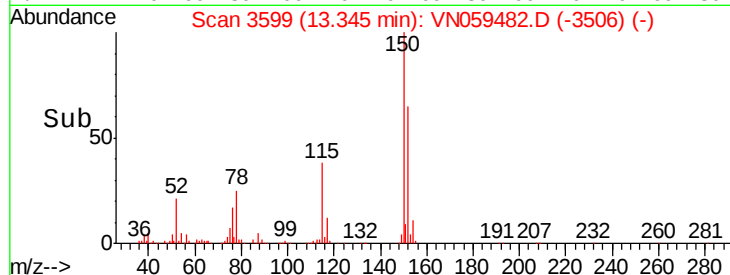
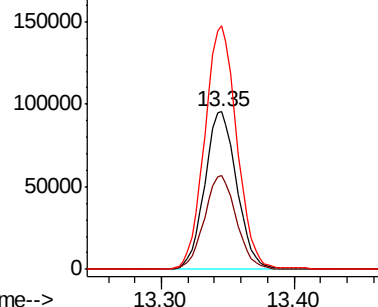


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

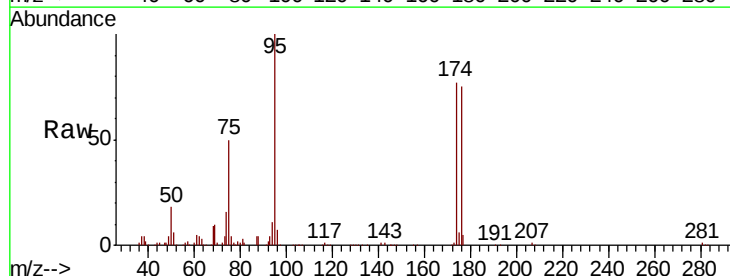
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 23.544 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN059482.D
Acq: 4 Dec 2019 13:11

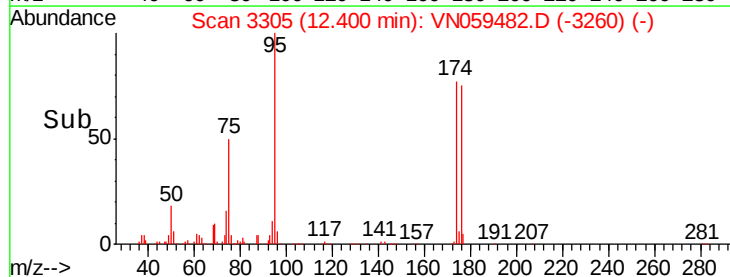
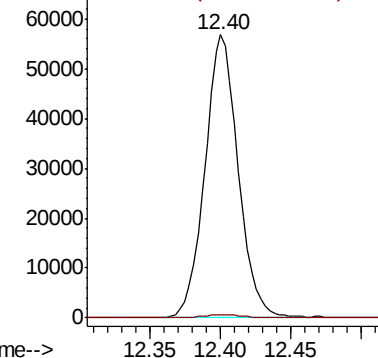
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#

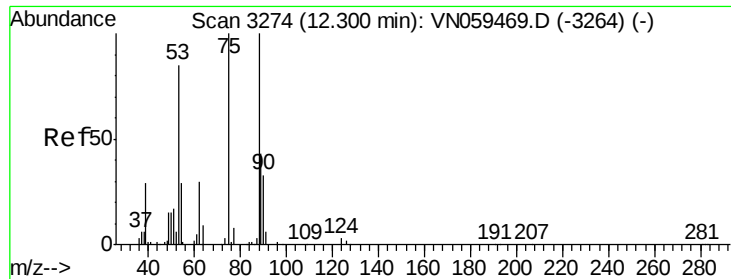


Abundance

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: 61.787 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059482.D

Acq: 4 Dec 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

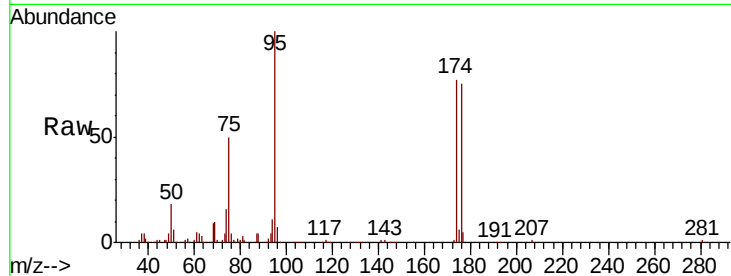
Tot Ion: 75 Resp: 93769

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

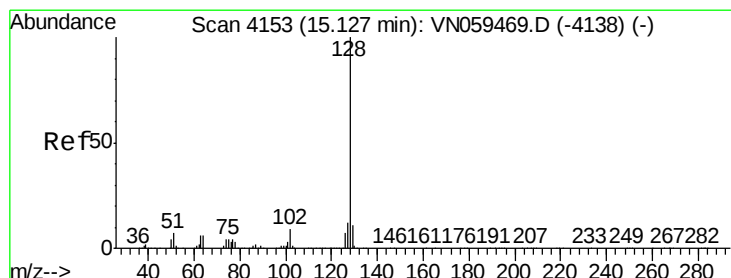
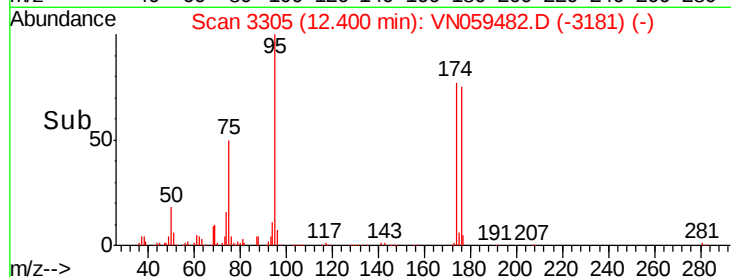
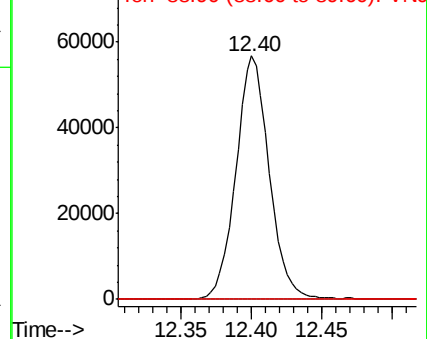
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 2.661 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059482.D

Acq: 4 Dec 2019 13:11

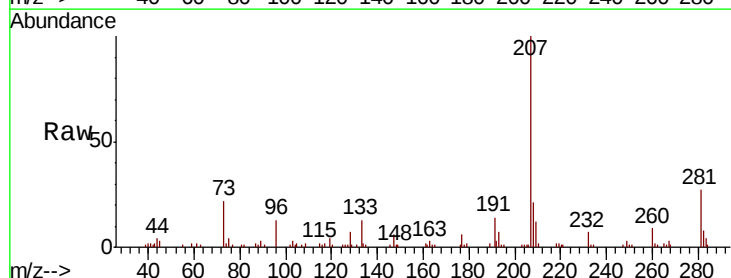
Tgt Ion: 128 Resp: 2245

Ion Ratio Lower Upper

128 100

127 7.6 10.2 15.4#

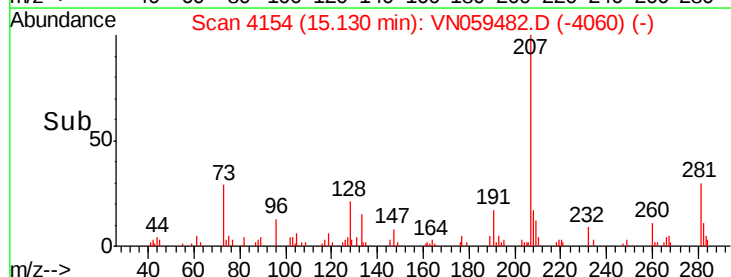
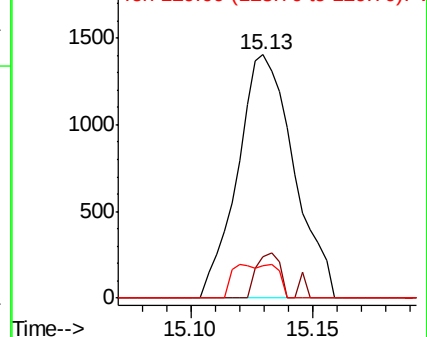
129 6.1 8.8 13.2#

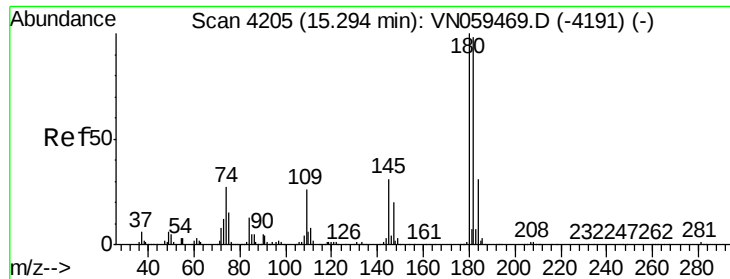


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.232 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN059482.D
 Acq: 4 Dec 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	64.6	48.5	145.5
145	0.0	16.1	48.2#

