

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059626.D
 Acq On : 17 Dec 2019 15:52
 Operator : JC/SP
 Sample : K6294-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

Quant Time: Dec 18 05:48:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	238091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	380218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	334542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131821	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	173579	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.20%	
35) Dibromofluoromethane	7.57	113	119939	50.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.84%	
50) Toluene-d8	10.08	98	469448	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.40	95	149236	43.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.84%	

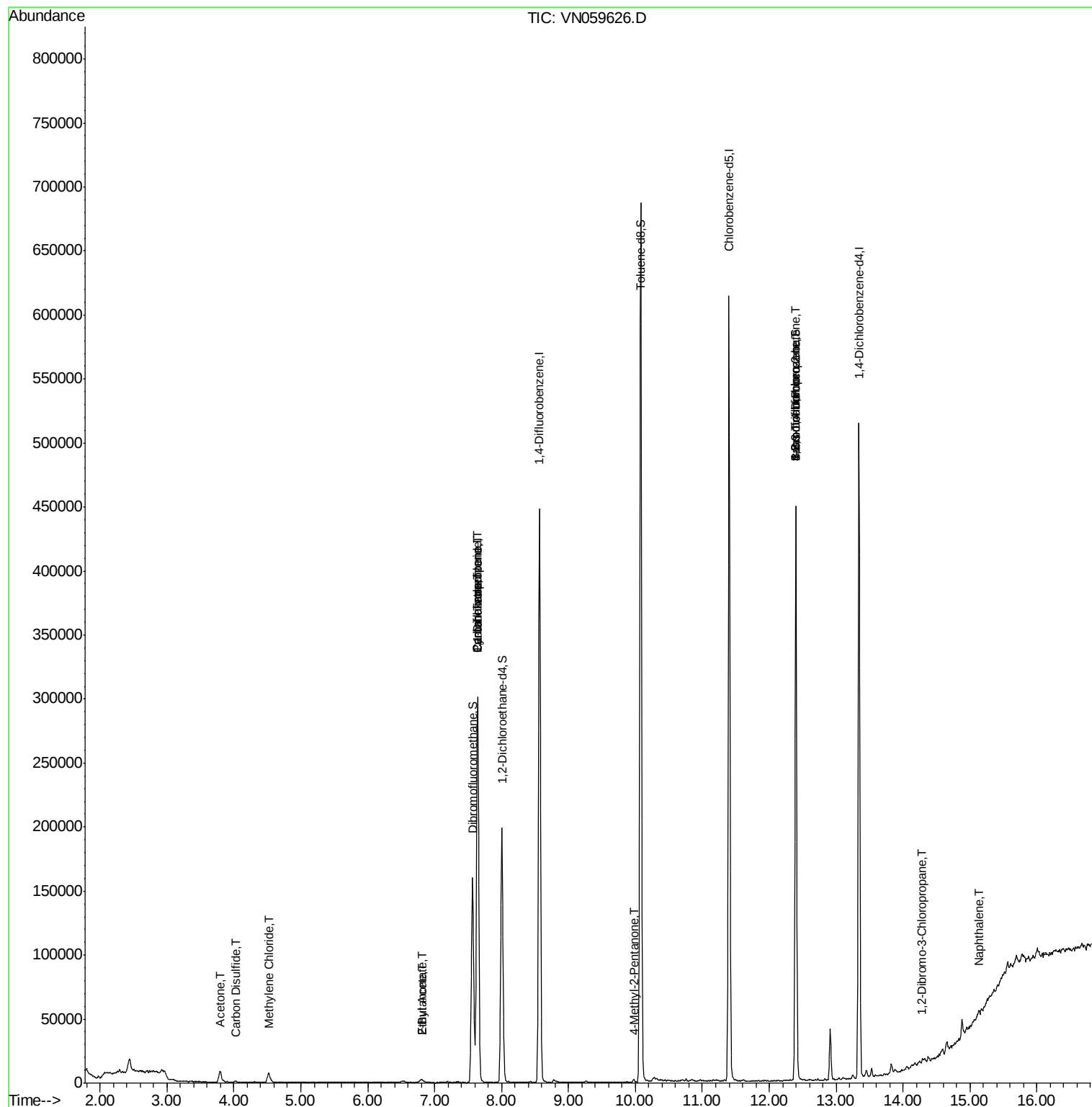
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	15046	7.315	ug/l	94
17) Carbon Disulfide	4.02	76	748	1.967	ug/l #	75
20) Methylene Chloride	4.52	84	5782	1.946	ug/l	96
25) 2-Butanone	6.82	43	3200	1.301	ug/l #	50
31) Cyclohexane	7.64	56	5664	1.120	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	20141	5.080	ug/l #	50
37) Ethyl Acetate	6.82	43	3200	0.694	ug/l #	69
38) Carbon Tetrachloride	7.64	117	23893	5.807	ug/l #	17
51) 4-Methyl-2-Pentanone	9.98	43	1402	0.328	ug/l #	87
71) Bromoform	12.40	173	1055	0.510	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	81809	25.069	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	81809	61.919	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29	1.657	ug/l #	6
95) Naphthalene	15.13	128	2388	0.268	ug/l #	94

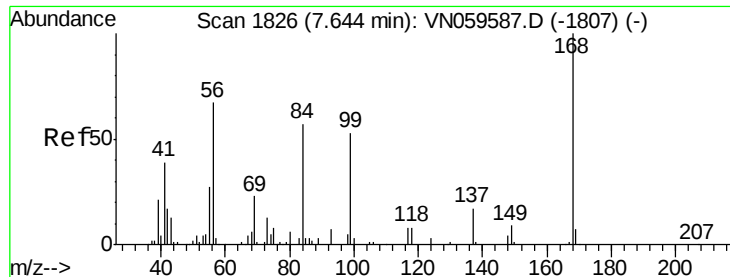
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 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: VN059626.D

Acq: 17 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampled :

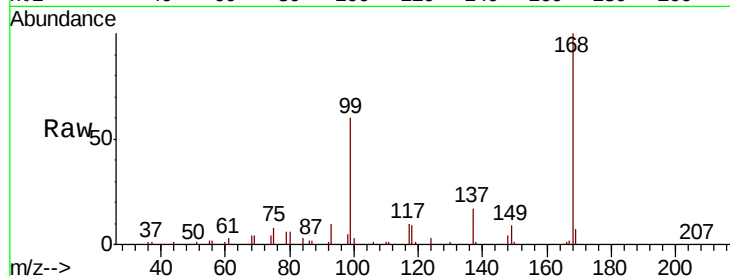
TP-1

Tot Ion:168 Resp: 238091

Ion Ratio Lower Upper

168 100

99 59.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

100000

80000

60000

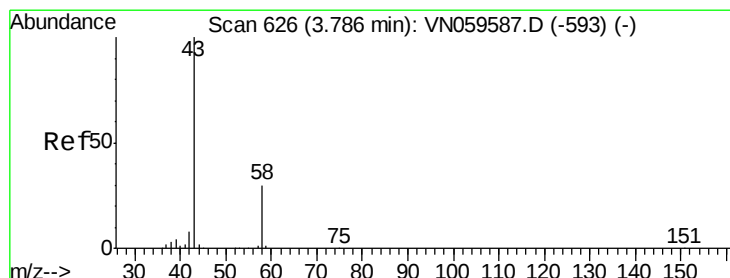
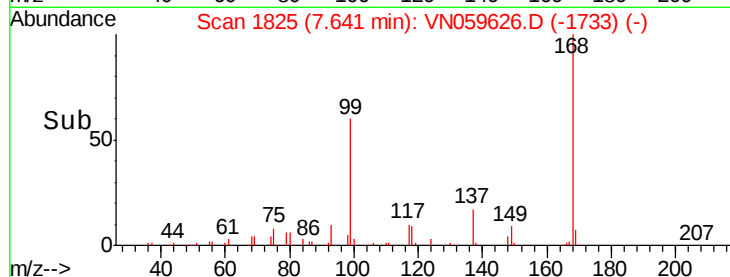
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 7.315 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059626.D

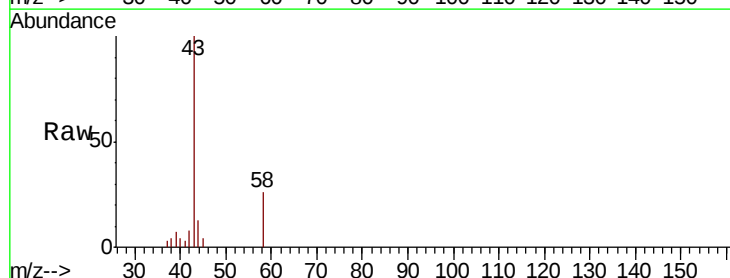
Acq: 17 Dec 2019 15:52

Tgt Ion: 43 Resp: 15046

Ion Ratio Lower Upper

43 100

58 26.4 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)

3.80

6000

5000

4000

3000

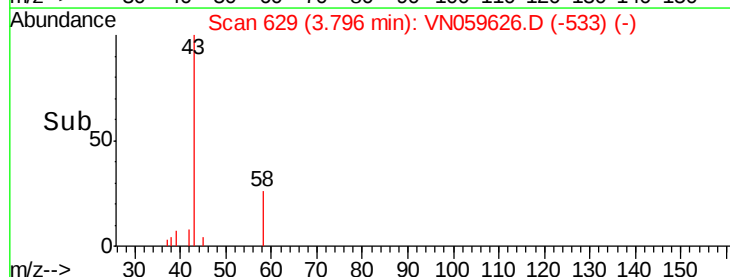
2000

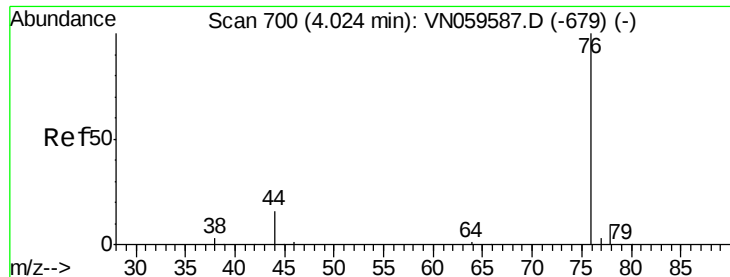
1000

0

3.70 3.75 3.80 3.85 3.90

Time-->





#17

Carbon Disulfide

Concen: 1.967 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.01 min

Lab File: VN059626.D

Acq: 17 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

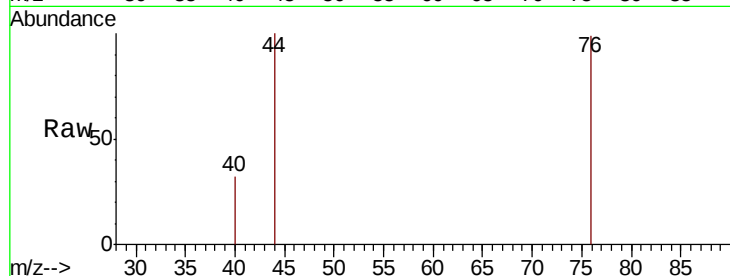
TP-1

Tot Ion: 76 Resp: 748

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

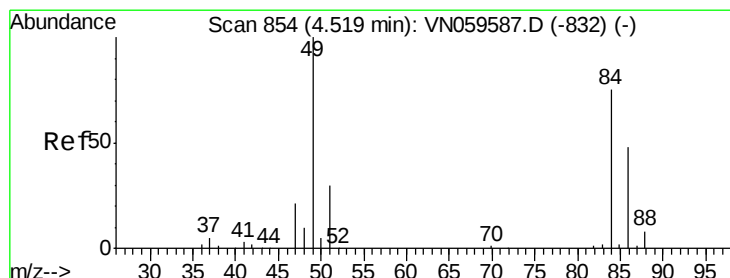
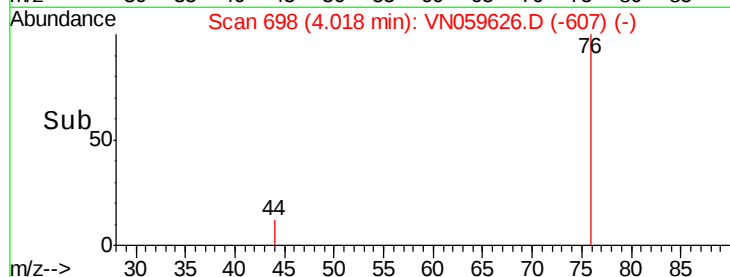
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 1.946 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN059626.D

Acq: 17 Dec 2019 15:52

Tgt Ion: 84 Resp: 5782

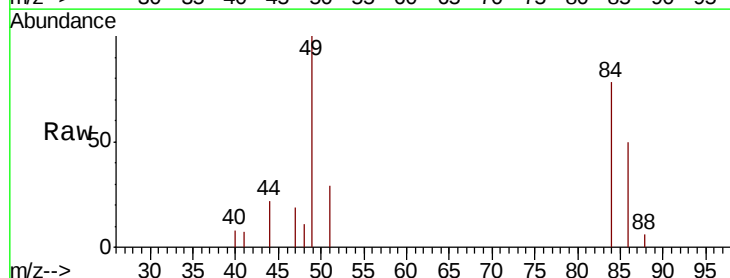
Ion Ratio Lower Upper

84 100

49 127.6 106.6 160.0

51 36.8 31.9 47.9

86 63.2 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

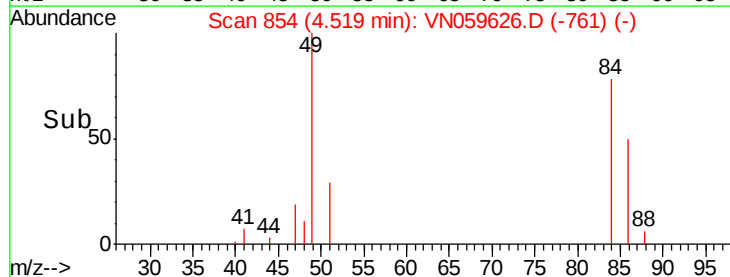
3000

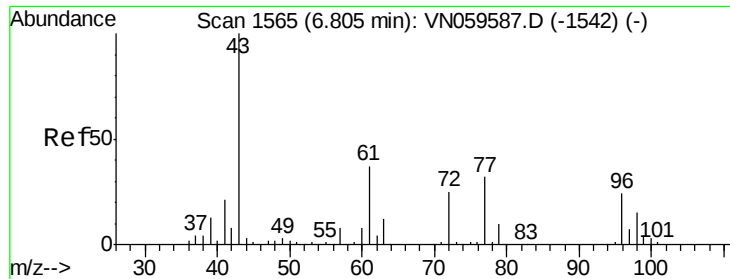
2000

1000

0

Time-->

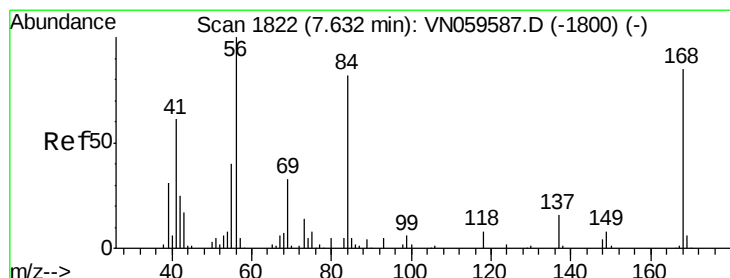
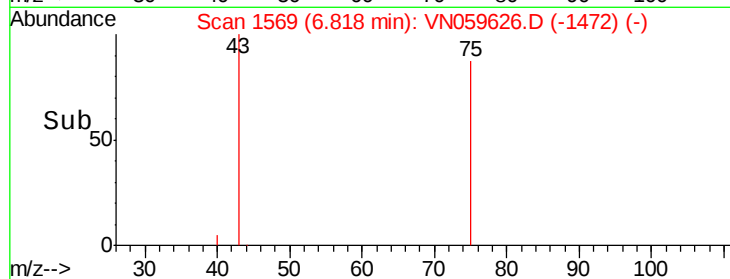
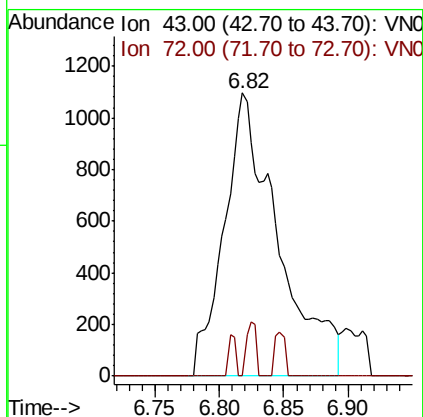
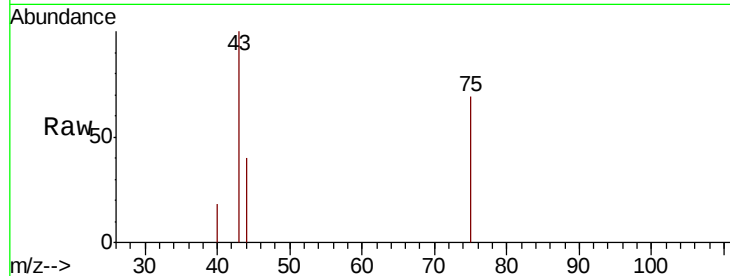




#25
2-Butanone
Concen: 1.301 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN059626.D
Acq: 17 Dec 2019 15:52

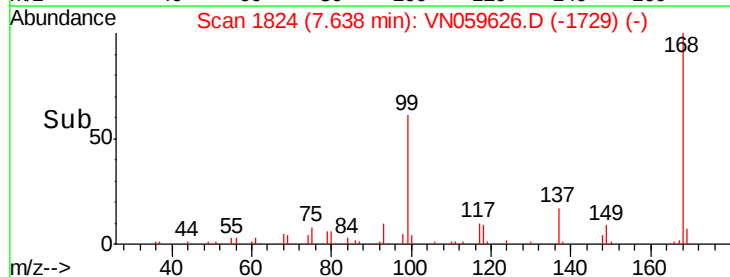
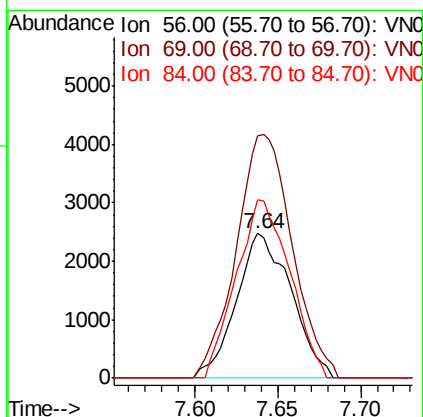
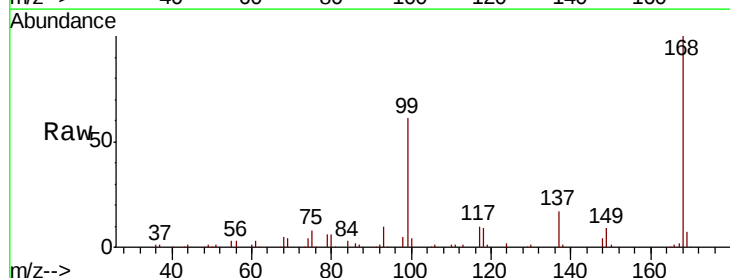
Instrument :
MSVOA_N
ClientSampled :
TP-1

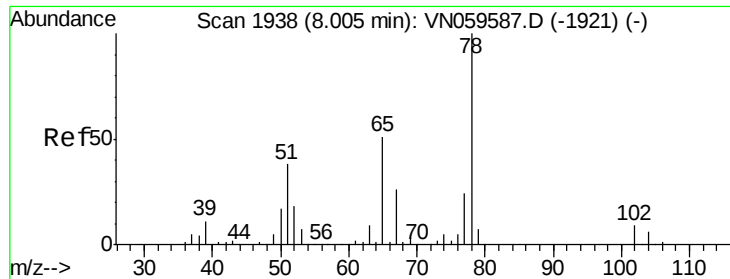
Tot Ion: 43 Resp: 3200
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059626.D
Acq: 17 Dec 2019 15:52

Tgt Ion: 56 Resp: 5664
Ion Ratio Lower Upper
56 100
69 167.2 26.5 39.7#
84 123.3 65.3 97.9#

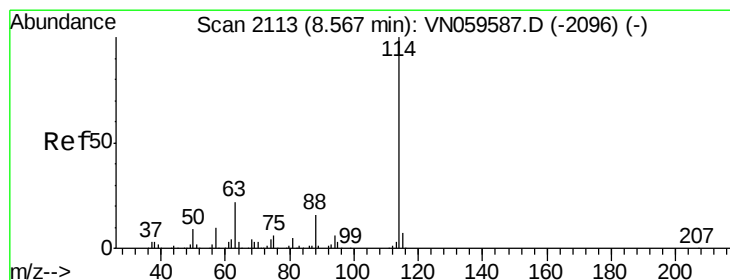
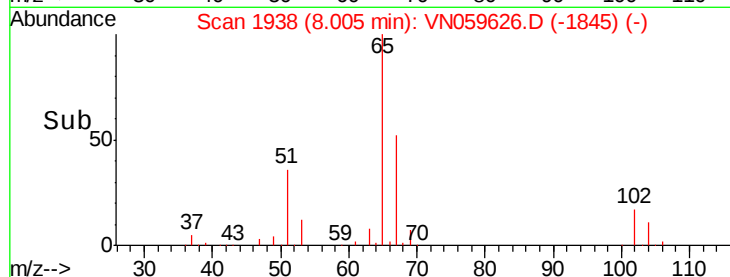
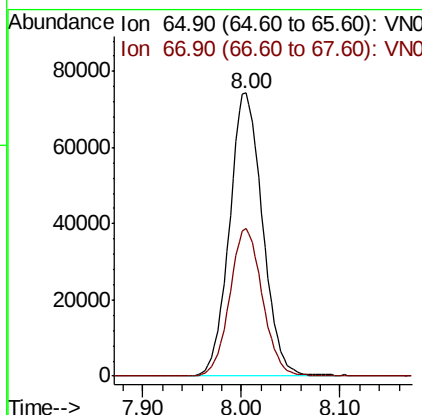
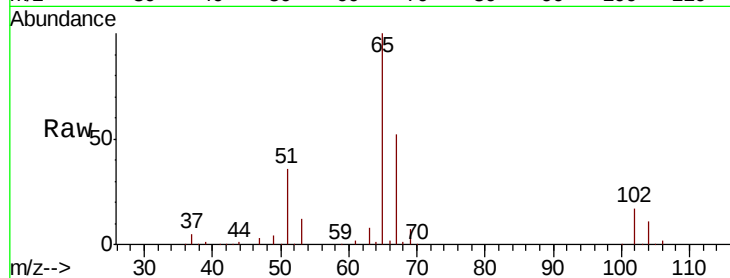




#33
 1,2-Dichloroethane-d4
 Concen: 50.101 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059626.D
 Acq: 17 Dec 2019 15:52

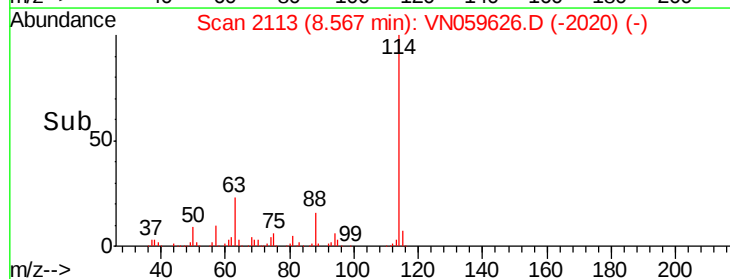
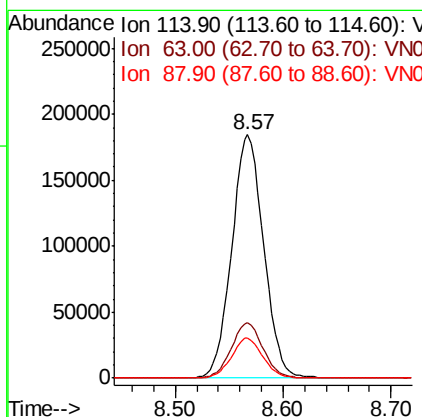
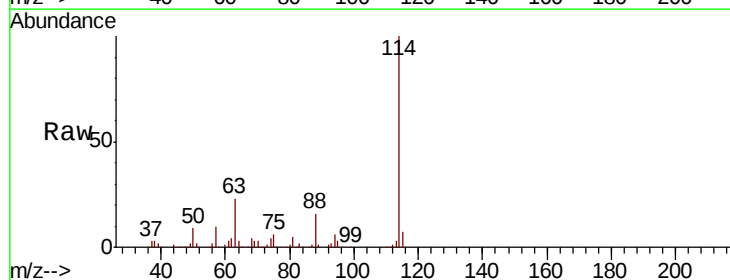
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

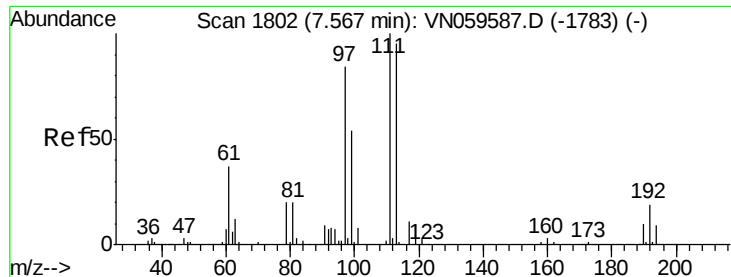
Tot Ion: 65 Resp: 173579
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059626.D
 Acq: 17 Dec 2019 15:52

Tgt Ion: 114 Resp: 380218
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.6
 88 16.3 0.0 31.4

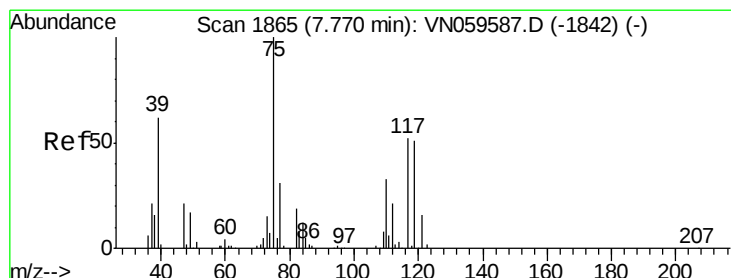
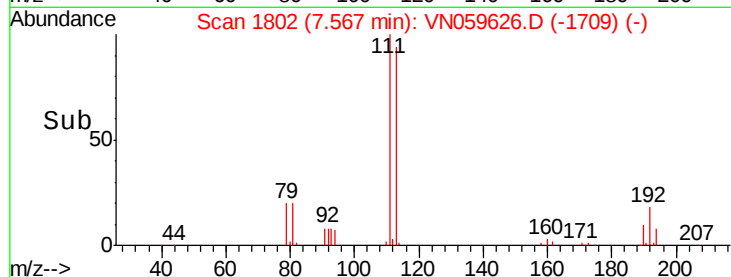
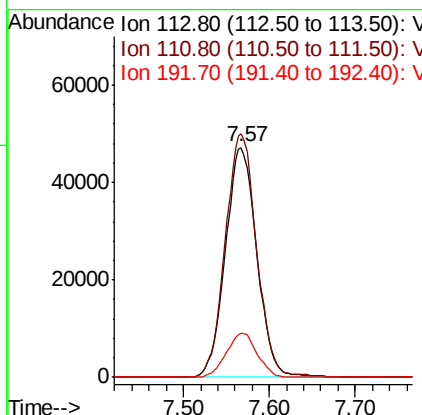
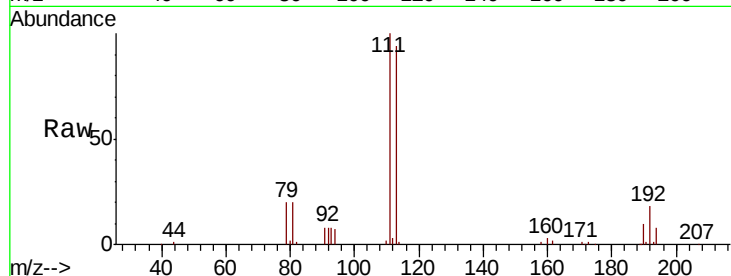




#35
 Dibromofluoromethane
 Concen: 50.416 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059626.D
 Acq: 17 Dec 2019 15:52

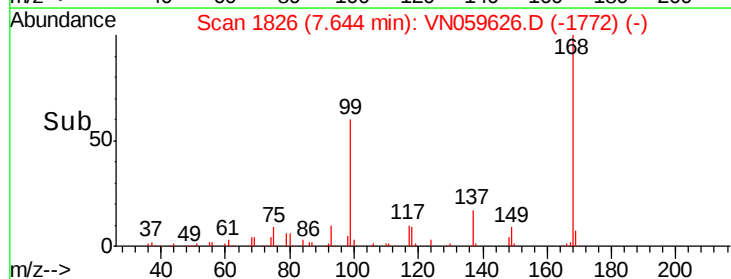
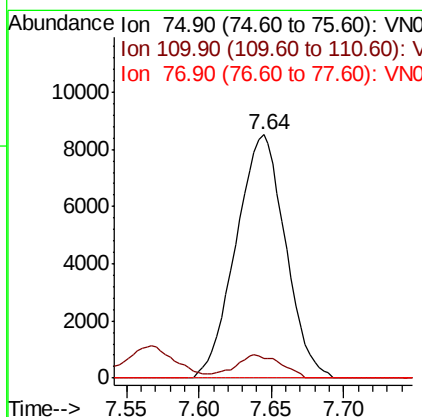
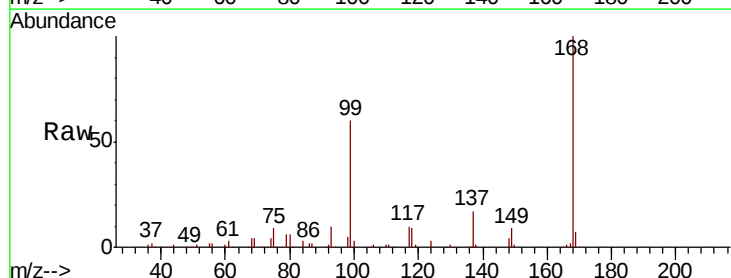
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1

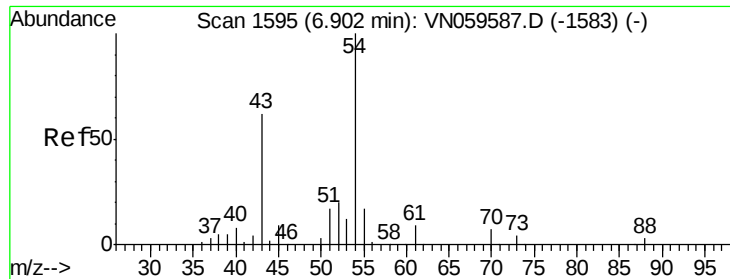
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.5	125.3
192	18.8	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 5.080 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059626.D
 Acq: 17 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.6	49.7#
77	0.0	25.1	37.7#

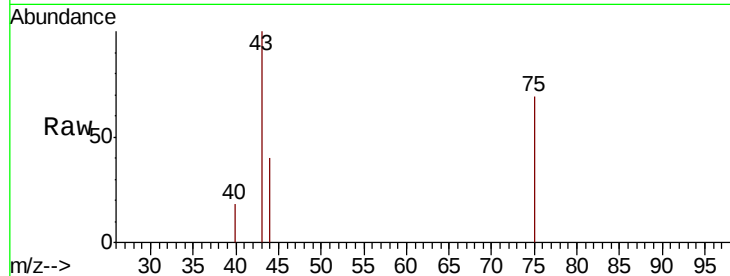




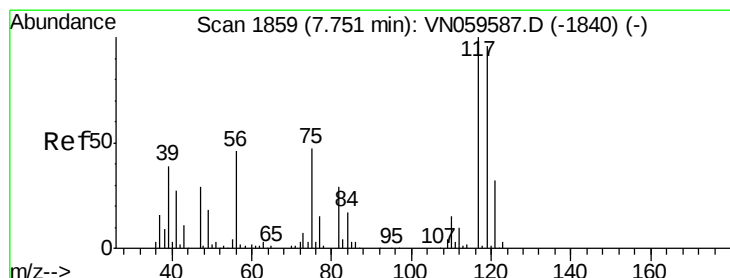
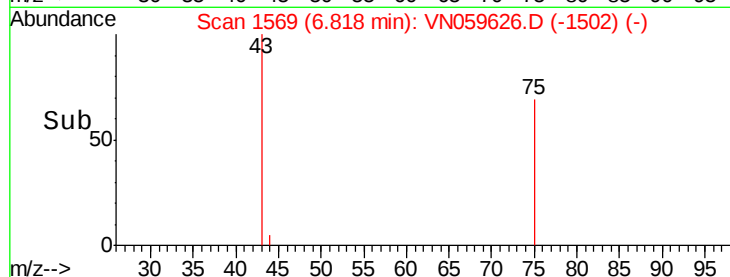
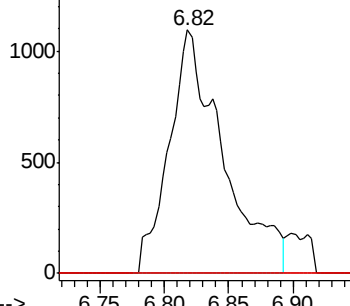
#37
Ethyl Acetate
Concen: 0.694 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.08 min
Lab File: VN059626.D
Acq: 17 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampled :
TP-1

Tot Ion: 43 Resp: 3200
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#

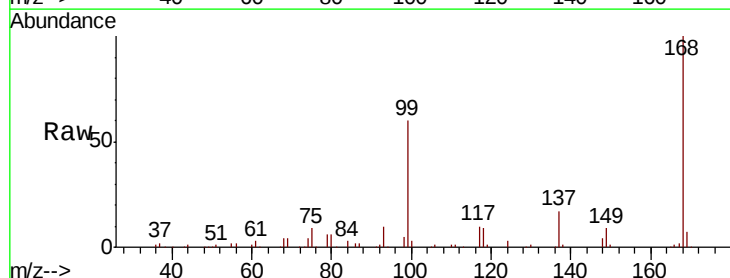


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

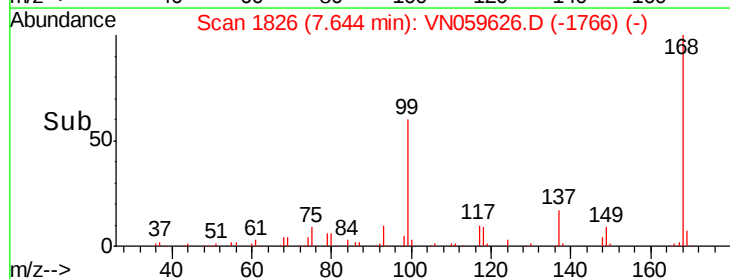
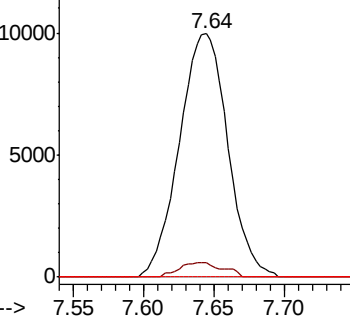


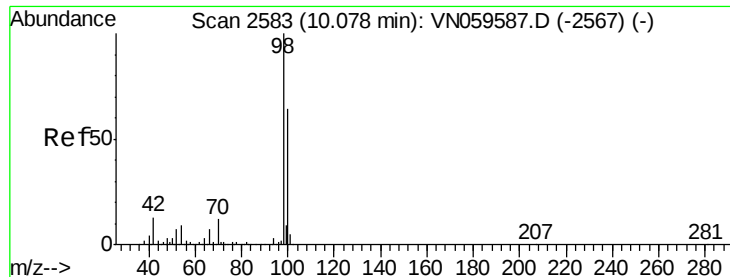
#38
Carbon Tetrachloride
Concen: 5.807 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059626.D
Acq: 17 Dec 2019 15:52

Tgt Ion: 117 Resp: 23893
Ion Ratio Lower Upper
117 100
119 5.7 76.5 114.7#
121 0.0 25.1 37.7#



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

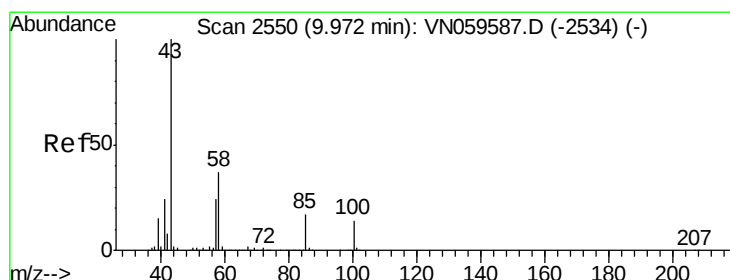
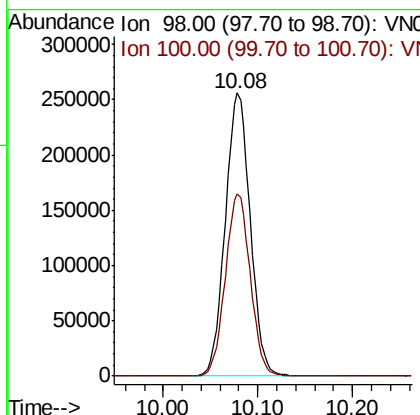
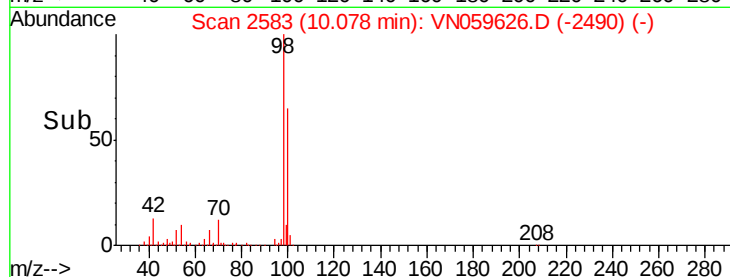
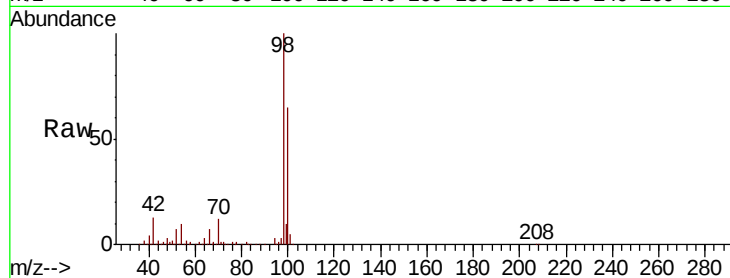




#50
Toluene-d8
Concen: 49.842 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059626.D
Acq: 17 Dec 2019 15:52

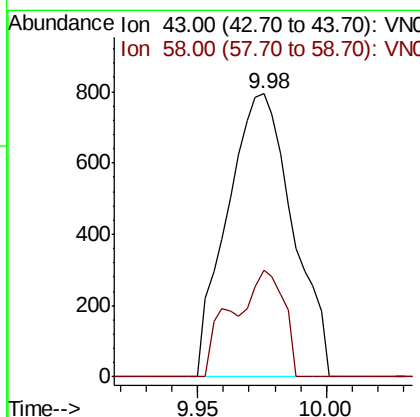
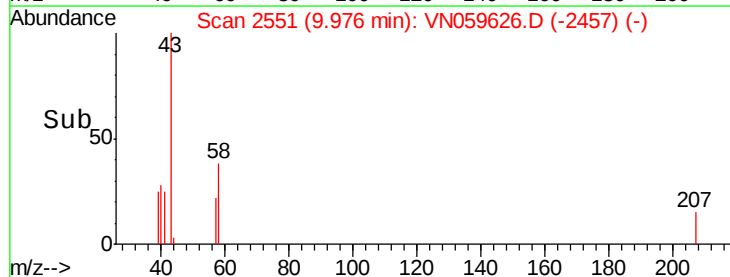
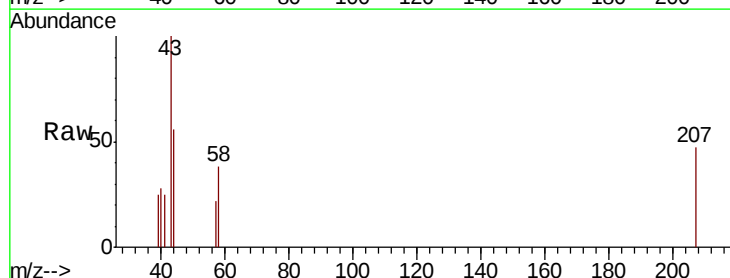
Instrument :
MSVOA_N
ClientSampleId :
TP-1

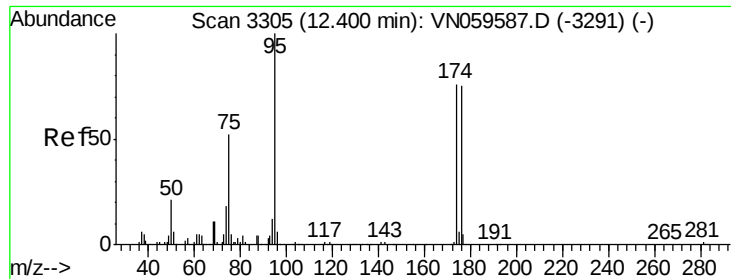
Tot Ion: 98 Resp: 469448
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.328 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN059626.D
Acq: 17 Dec 2019 15:52

Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
58 29.5 29.8 44.8#





#62

4-Bromofluorobenzene

Concen: 43.423 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059626.D

Acq: 17 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

TP-1

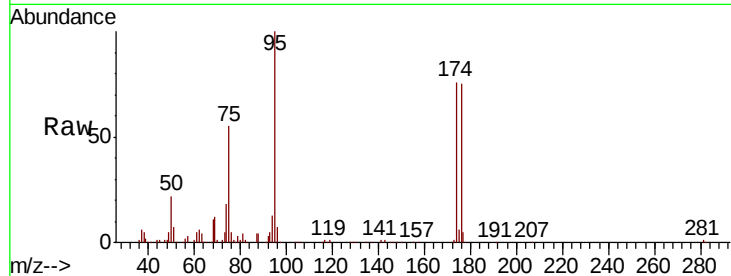
Tot Ion: 95 Resp: 149236

Ion Ratio Lower Upper

95 100

174 77.6 0.0 151.4

176 74.5 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059587.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059587.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059587.D (-3291) (-)

120000

100000

80000

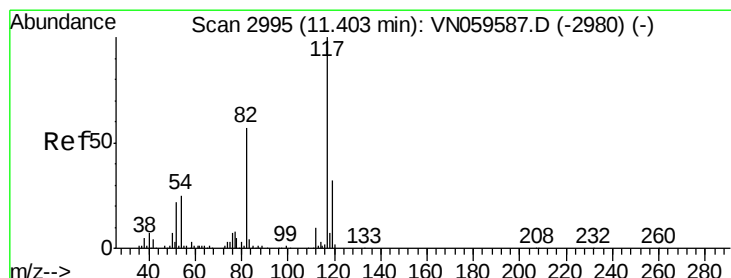
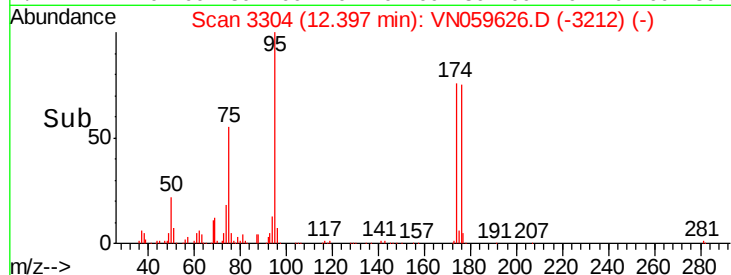
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059626.D

Acq: 17 Dec 2019 15:52

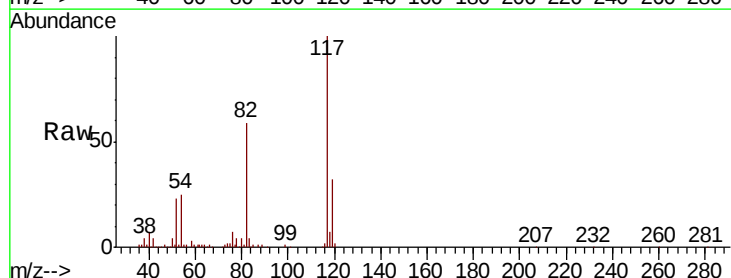
Tgt Ion: 117 Resp: 334542

Ion Ratio Lower Upper

117 100

82 59.4 45.9 68.9

119 31.8 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN059587.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN059587.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059587.D (-2980) (-)

250000

200000

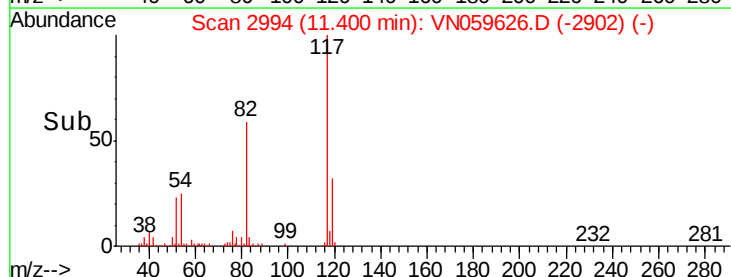
150000

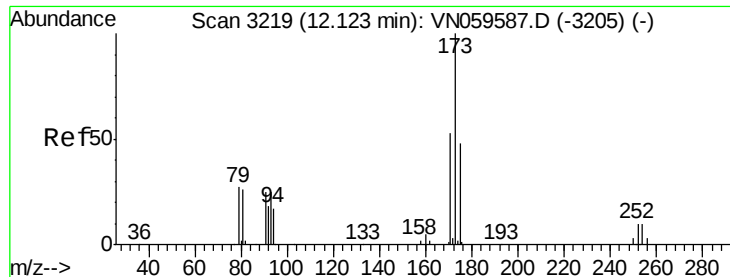
100000

50000

0

Time--> 11.30 11.40 11.50

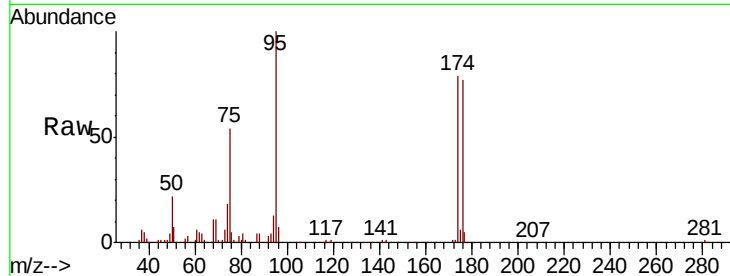




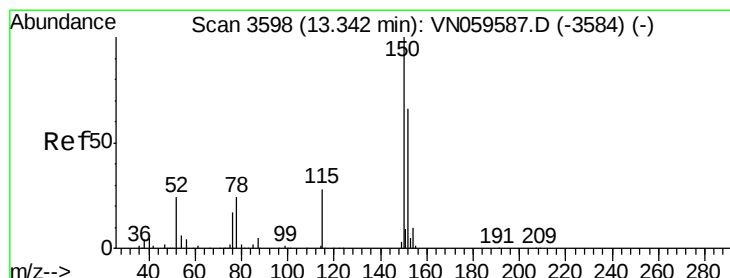
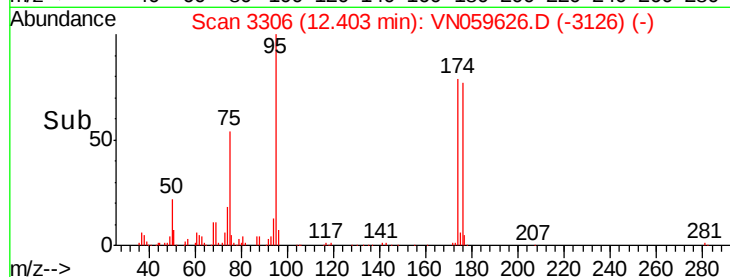
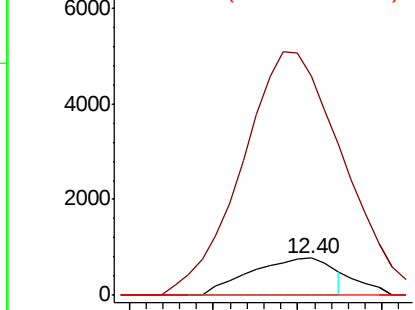
#71
Bromoform
Concen: 0.510 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN059626.D
Acq: 17 Dec 2019 15:52

Instrument :
MSVOA_N
ClientSampled :
TP-1

Tot Ion:173 Resp: 1055
Ion Ratio Lower Upper
173 100
175 686.1 23.8 71.4#
254 0.0 0.0 0.0

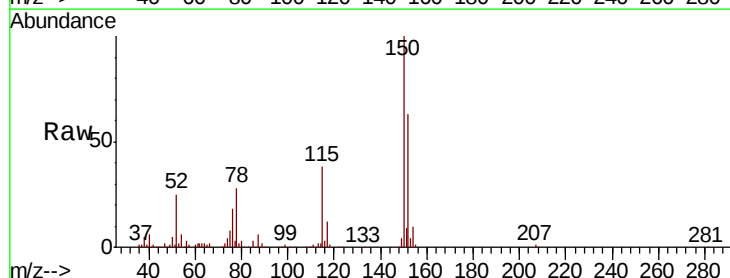


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

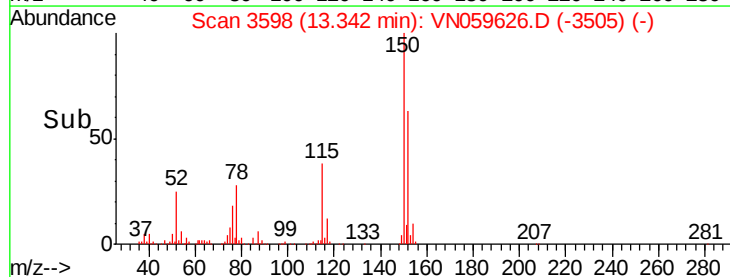
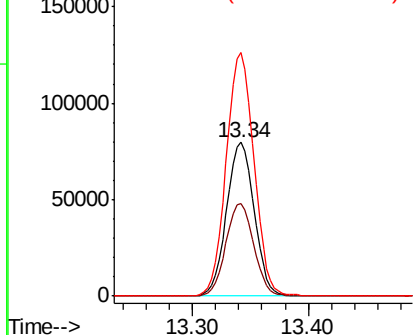


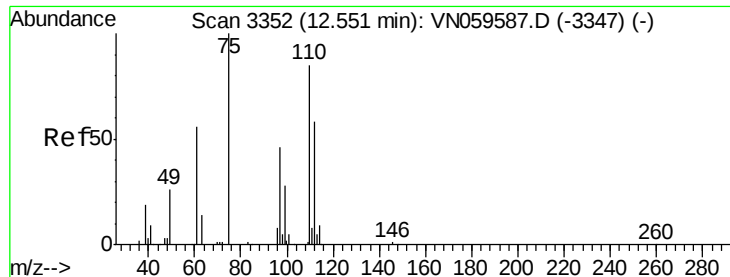
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059626.D
Acq: 17 Dec 2019 15:52

Tgt Ion:152 Resp: 131821
Ion Ratio Lower Upper
152 100
115 60.8 30.3 90.9
150 158.7 0.0 345.2



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

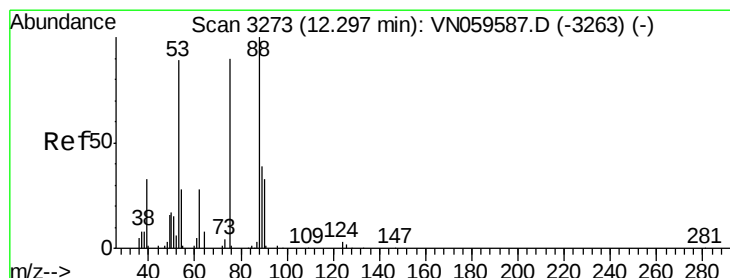
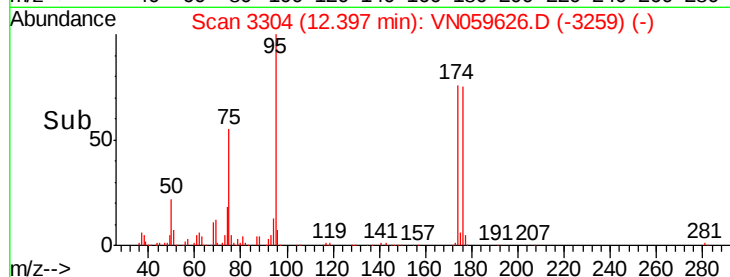
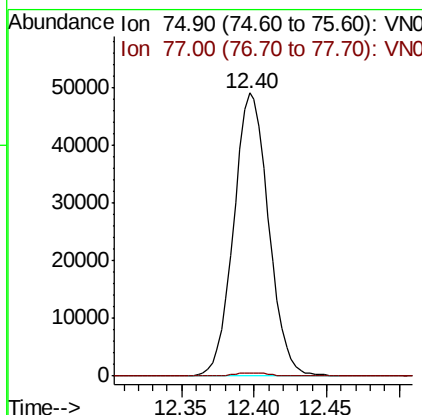
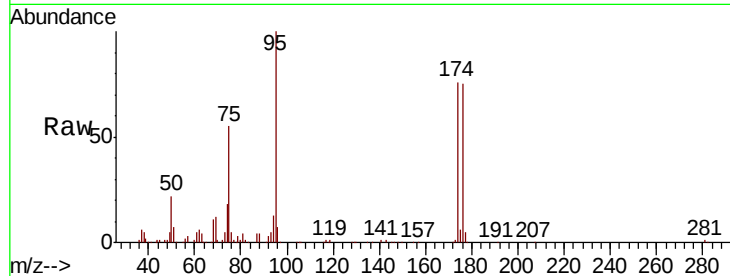




#76
 1,2,3-Trichloropropane
 Concen: 25.069 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN059626.D
 Acq: 17 Dec 2019 15:52

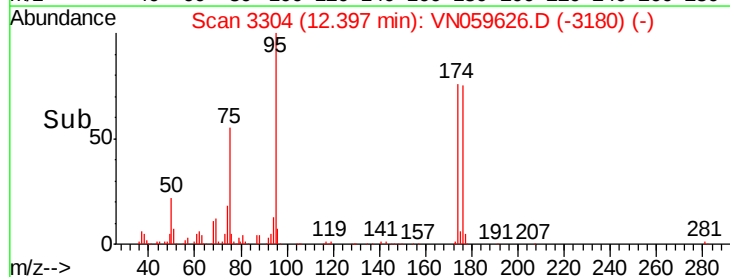
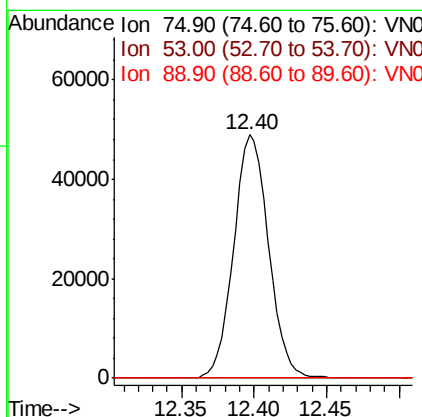
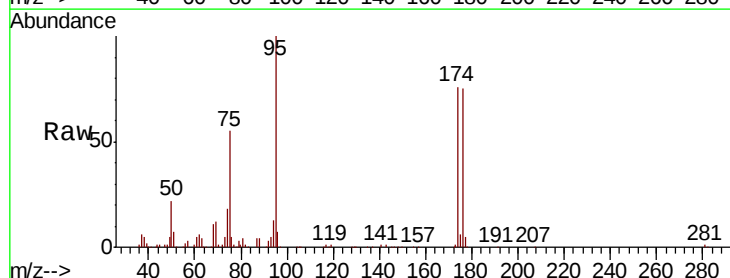
Instrument :
 MSVOA_N
 ClientSampled :
 TP-1

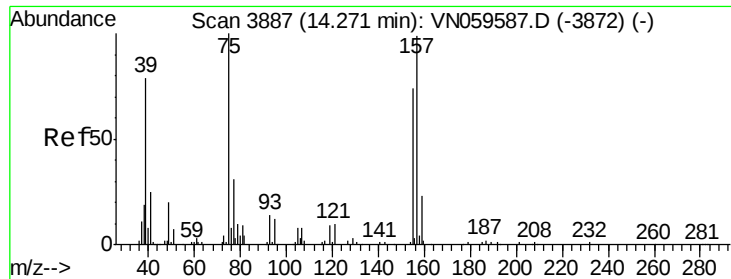
Tot Ion: 75 Resp: 81809
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.919 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN059626.D
 Acq: 17 Dec 2019 15:52

Tgt Ion: 75 Resp: 81809
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.1 117.1#
 89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.657 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059626.D

Acq: 17 Dec 2019 15:52

Instrument :

MSVOA_N

ClientSampleId :

TP-1

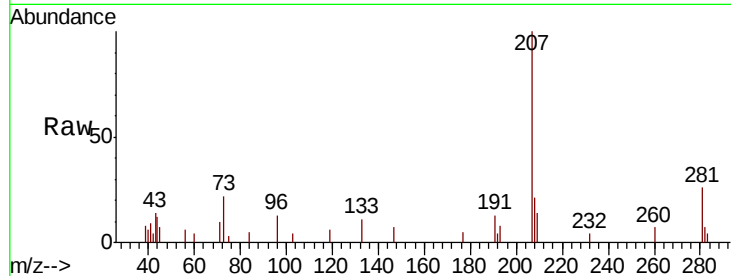
Tot Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#



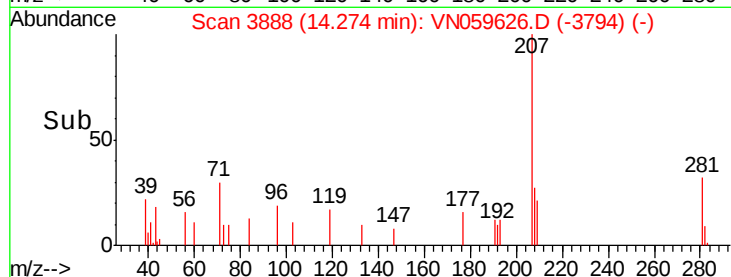
Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-3872) (-)

Ion 154.80 (154.50 to 155.50): VN059587.D (-3872) (-)

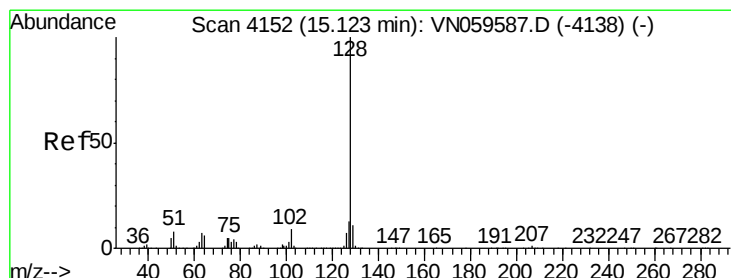
Ion 156.80 (156.50 to 157.50): VN059587.D (-3872) (-)

14.27

14.28



Time-->



#95

Naphthalene

Concen: 0.268 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059626.D

Acq: 17 Dec 2019 15:52

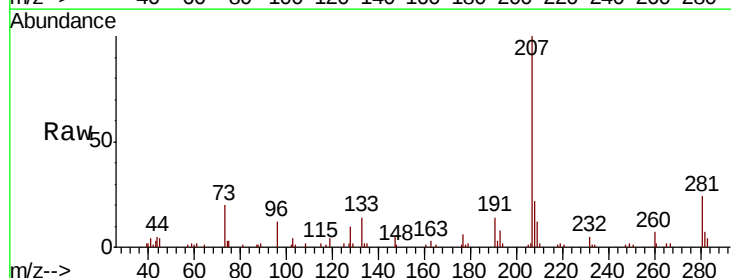
Tgt Ion: 128 Resp: 2388

Ion Ratio Lower Upper

128 100

127 9.5 10.4 15.6#

129 9.5 8.6 12.8



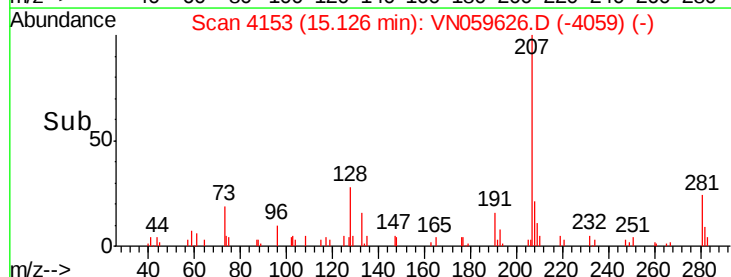
Abundance Ion 128.00 (127.70 to 128.70): VN059587.D (-4138) (-)

Ion 127.00 (126.70 to 127.70): VN059587.D (-4138) (-)

Ion 129.00 (128.70 to 129.70): VN059587.D (-4138) (-)

15.13

15.15



Time-->