

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058740.D
 Acq On : 12 Oct 2019 6:18
 Operator : JC/SP
 Sample : K5266-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AMENDED-COMPOSITE-A

Quant Time: Oct 12 07:02:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	404583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	641250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	573995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	243249	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	296742	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	7.57	113	106693	26.94	ug/l	0.00
Spiked Amount			Recovery	=	53.88%	
50) Toluene-d8	10.08	98	811045	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.40	95	276525	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	

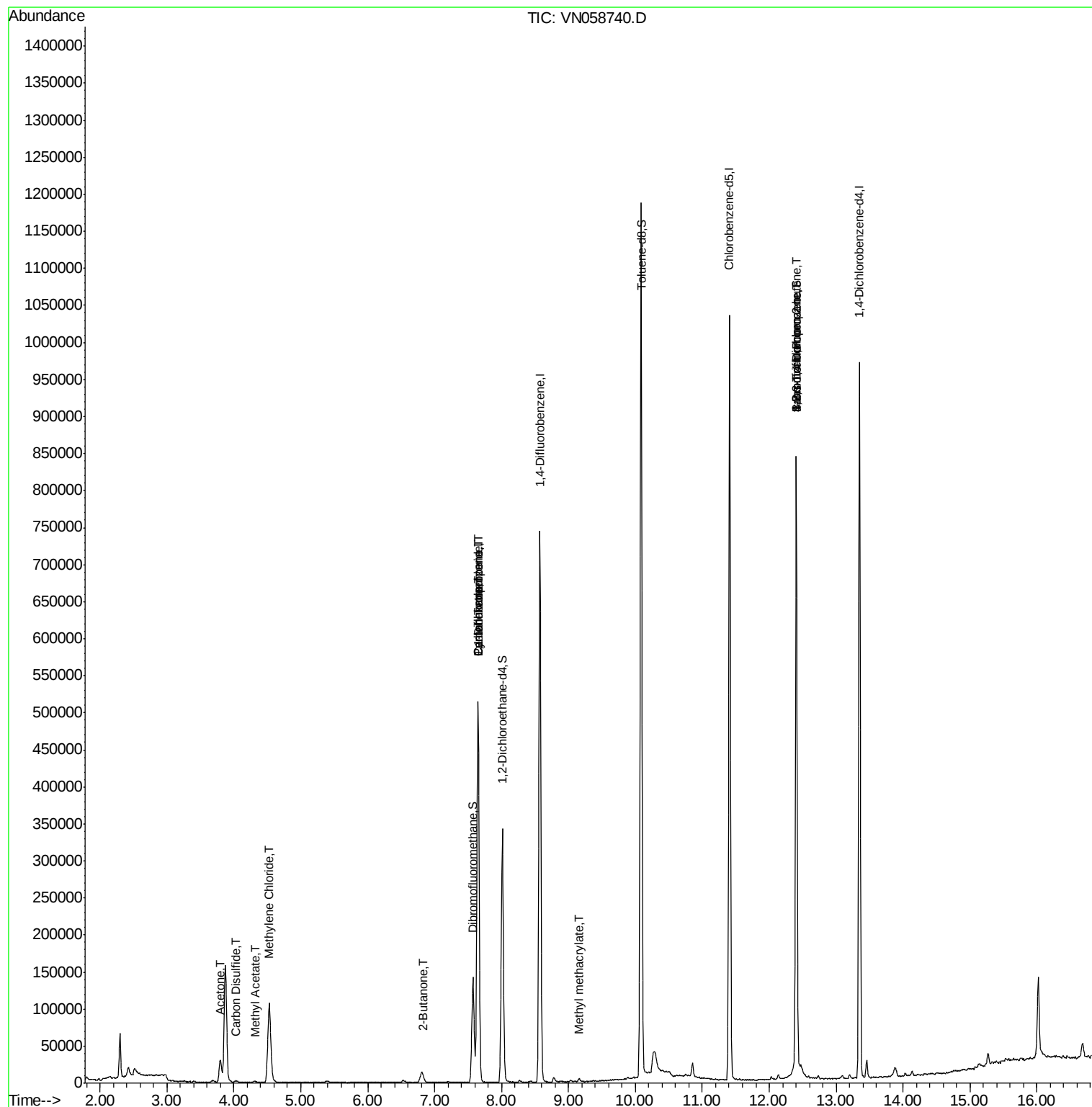
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	54014	23.035	ug/l	98
17) Carbon Disulfide	4.03	76	3148	0.253	ug/l #	93
18) Methyl Acetate	4.31	43	3323	0.559	ug/l #	64
20) Methylene Chloride	4.53	84	79931	16.310	ug/l	95
25) 2-Butanone	6.83	43	10943	3.229	ug/l #	89
31) Cyclohexane	7.65	56	9331	1.123	ug/l #	4
36) 1,1-Dichloropropene	7.65	75	34399	5.306	ug/l #	48
38) Carbon Tetrachloride	7.65	117	39837	6.304	ug/l #	16
48) Methyl methacrylate	9.16	41	1594	0.315	ug/l #	32
71) Bromoform	12.41	173	1957	0.619	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	150287	28.163	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	150287	75.440	ug/l #	11

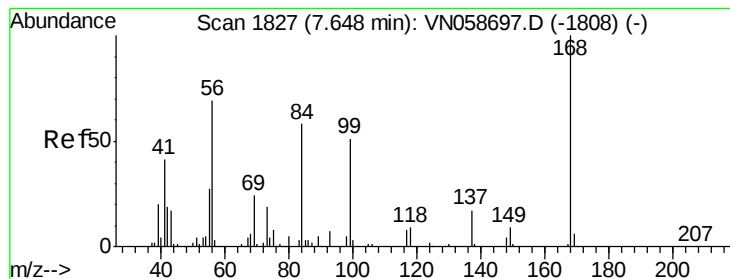
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058740.D

Acq: 12 Oct 2019 6:18

Instrument :

MSVOA_N

ClientSampleId :

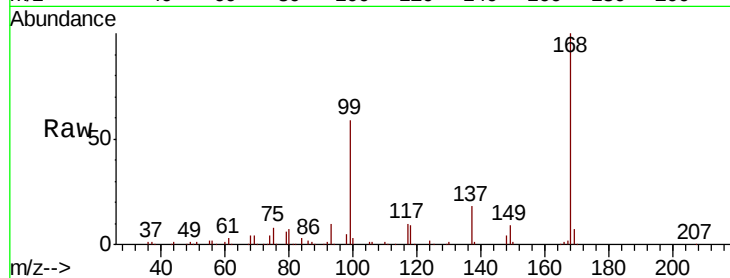
AMENDED-COMPOSITE-A

Tot Ion:168 Resp: 404583

Ion Ratio Lower Upper

168 100

99 59.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

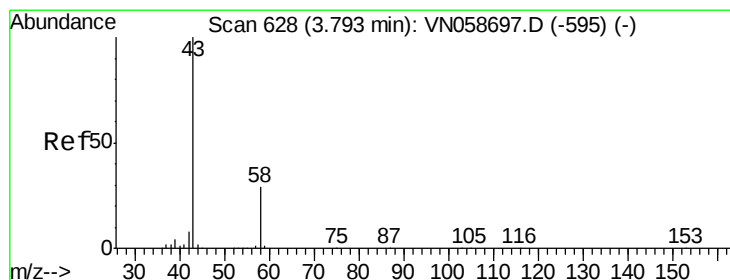
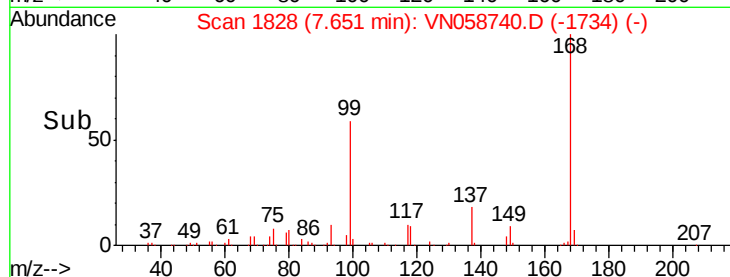
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100000

50000

0

Time-->



#16

Acetone

Concen: 23.035 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058740.D

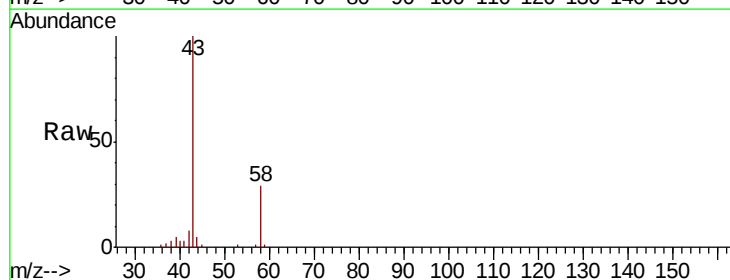
Acq: 12 Oct 2019 6:18

Tgt Ion: 43 Resp: 54014

Ion Ratio Lower Upper

43 100

58 28.2 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

20000

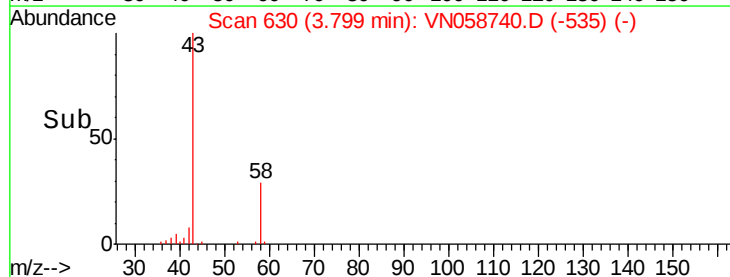
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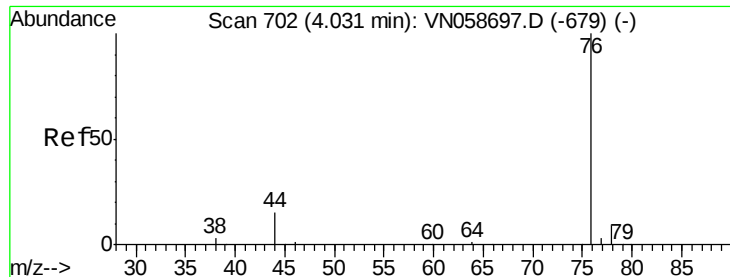
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Time-->

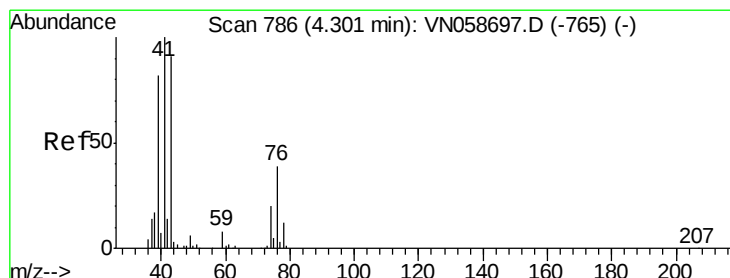
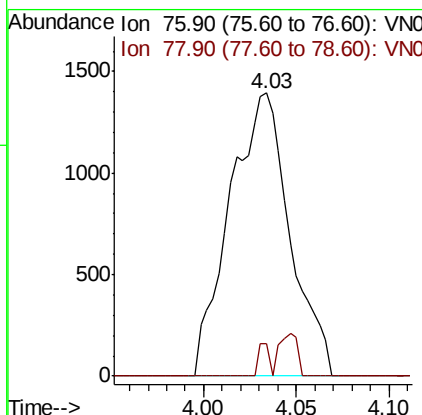
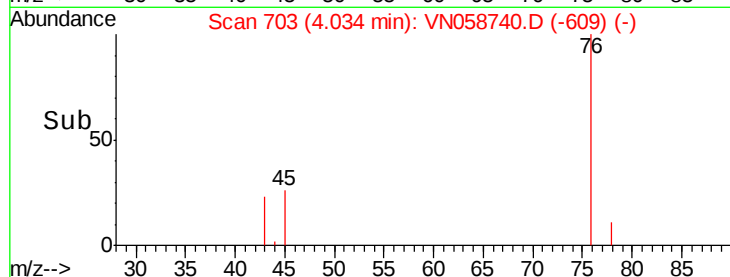
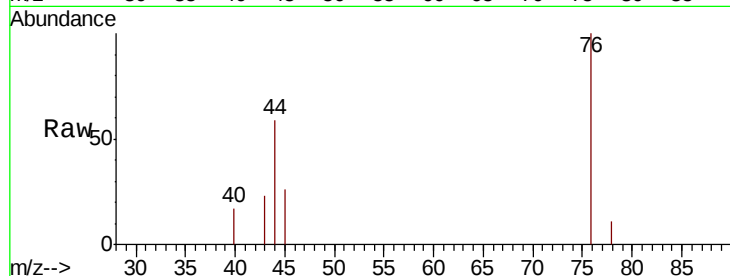




#17
Carbon Disulfide
Concen: 0.253 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058740.D
Acq: 12 Oct 2019 6:18

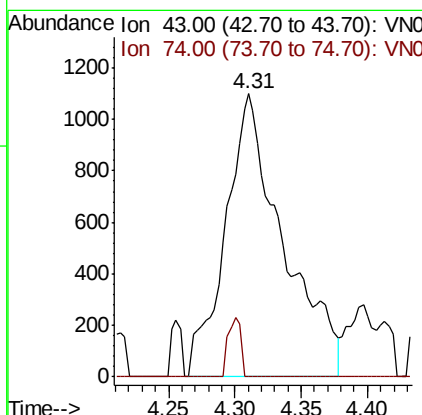
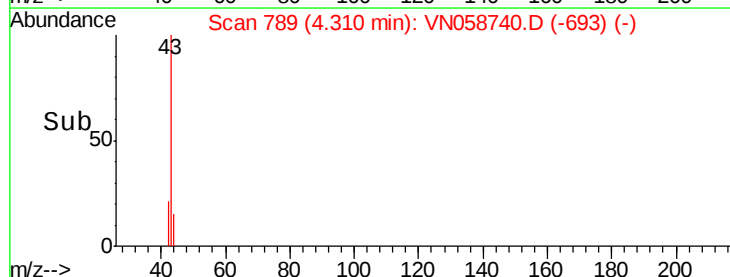
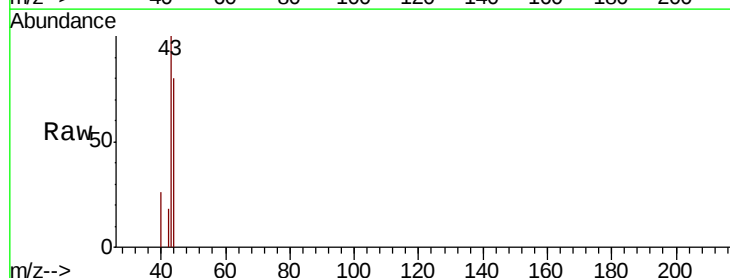
Instrument :
MSVOA_N
ClientSampleId :
AMENDED-COMPOSITE-A

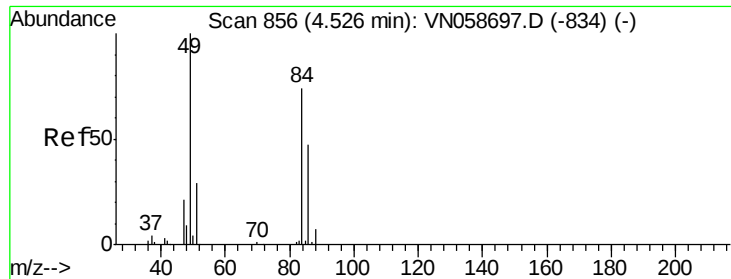
Tot Ion: 76 Resp: 3148
Ion Ratio Lower Upper
76 100
78 11.3 7.1 10.7#



#18
Methyl Acetate
Concen: 0.559 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN058740.D
Acq: 12 Oct 2019 6:18

Tgt Ion: 43 Resp: 3323
Ion Ratio Lower Upper
43 100
74 4.6 17.2 25.8#

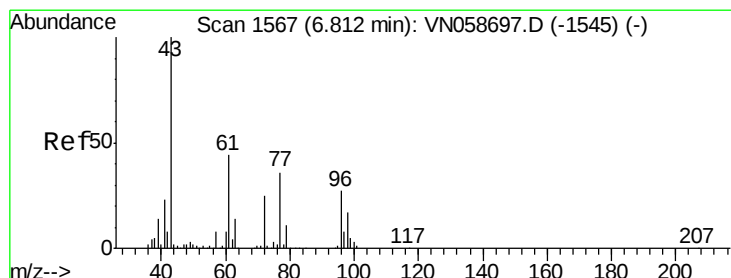
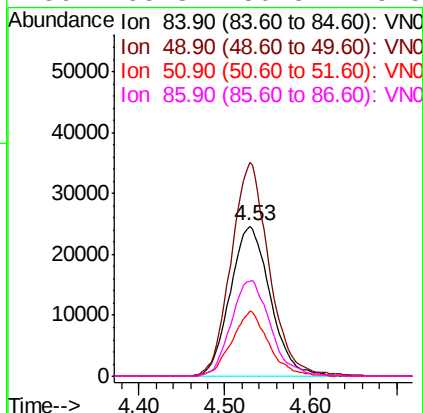
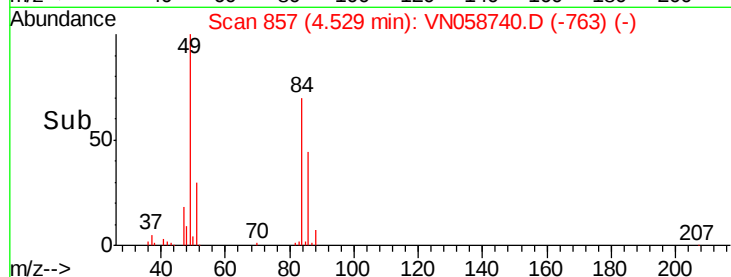
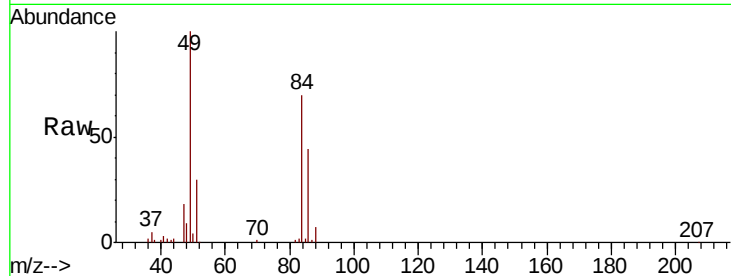




#20
Methylene Chloride
Concen: 16.310 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058740.D
Acq: 12 Oct 2019 6:18

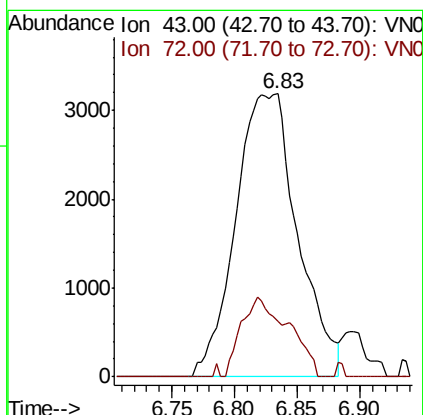
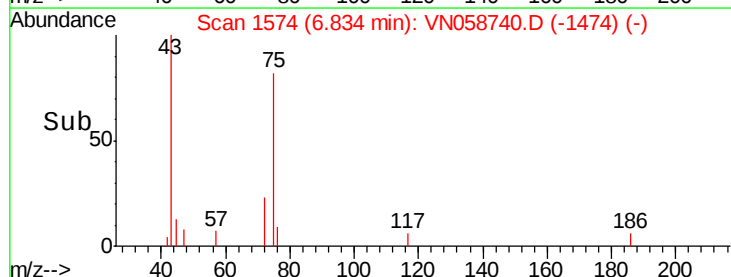
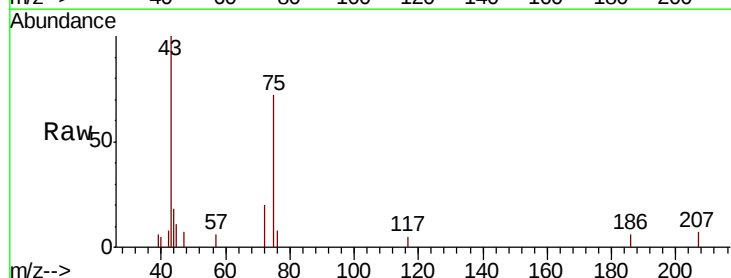
Instrument :
MSVOA_N
ClientSampleId :
AMENDED-COMPOSITE-A

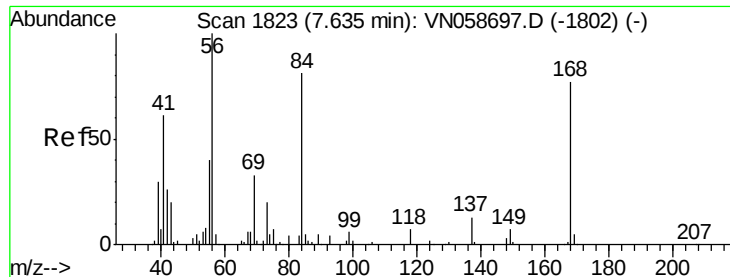
Tot Ion: 84 Resp: 79931
Ion Ratio Lower Upper
84 100
49 142.3 107.6 161.4
51 43.2 31.4 47.0
86 63.3 50.3 75.5



#25
2-Butanone
Concen: 3.229 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN058740.D
Acq: 12 Oct 2019 6:18

Tgt Ion: 43 Resp: 10943
Ion Ratio Lower Upper
43 100
72 19.7 20.2 30.2#

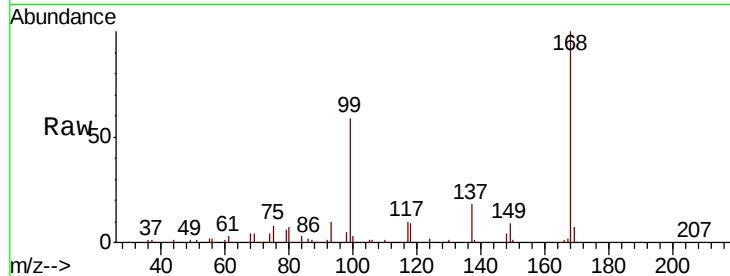




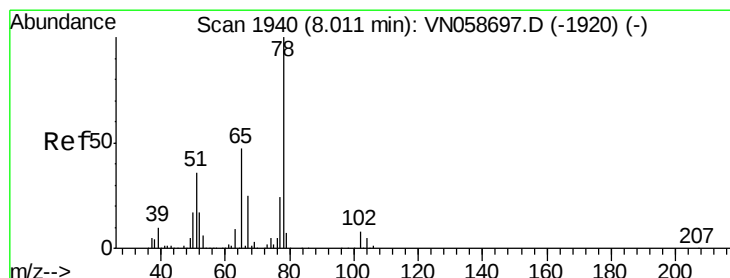
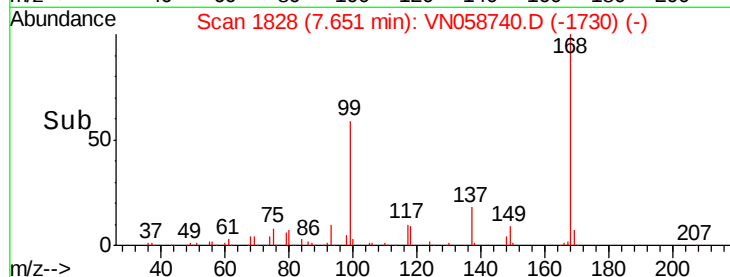
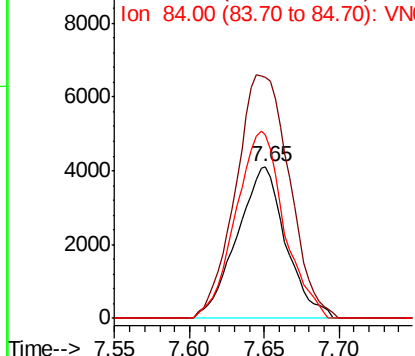
#31
Cyclohexane
Concen: 1.123 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN058740.D
Acq: 12 Oct 2019 6:18

Instrument :
MSVOA_N
ClientSampleId :
AMENDED-COMPOSITE-A

Tot Ion: 56 Resp: 9331
Ion Ratio Lower Upper
56 100
69 158.5 26.2 39.4#
84 121.1 64.9 97.3#

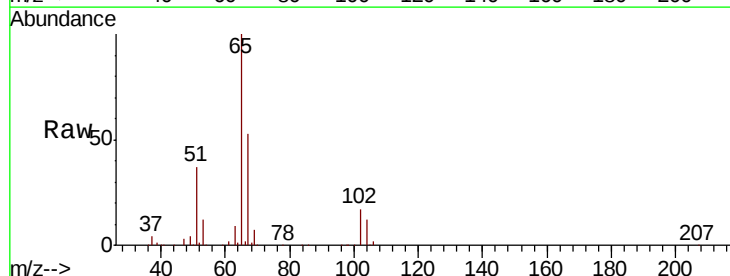


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

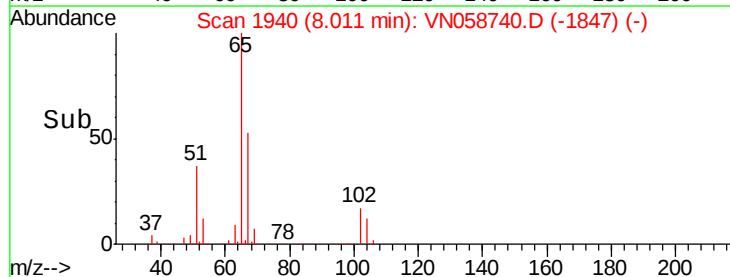
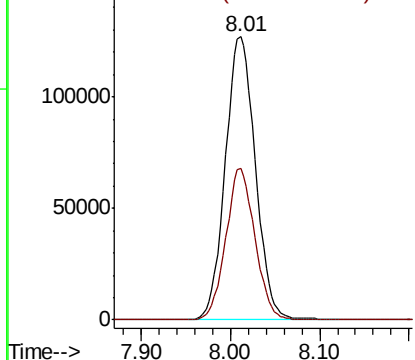


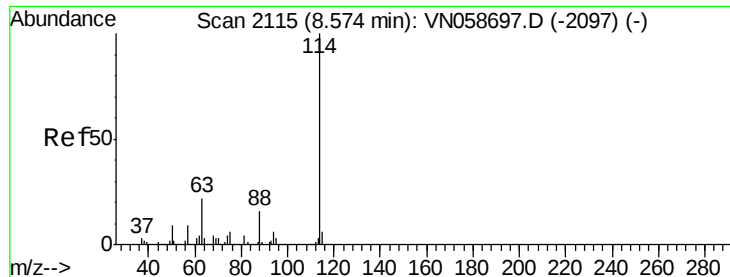
#33
1,2-Dichloroethane-d4
Concen: 52.390 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058740.D
Acq: 12 Oct 2019 6:18

Tgt Ion: 65 Resp: 296742
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8



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

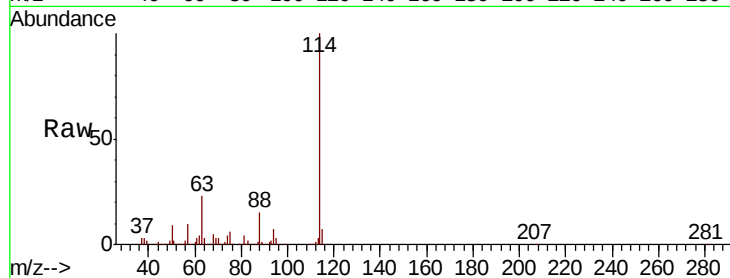




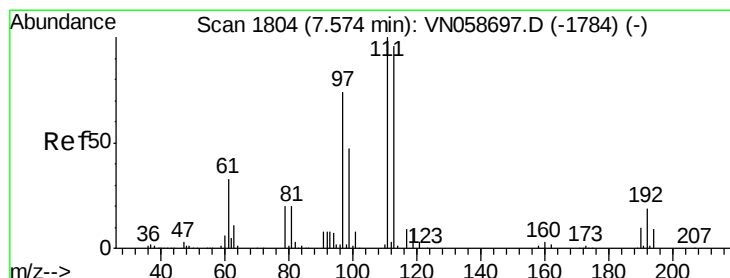
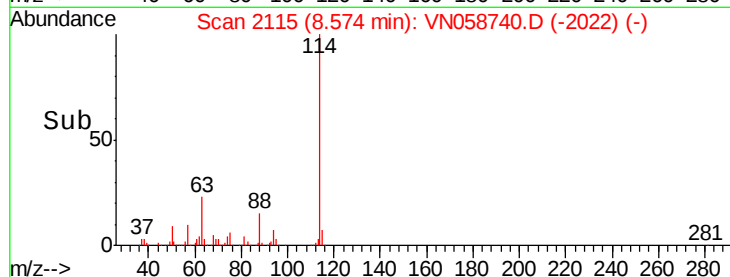
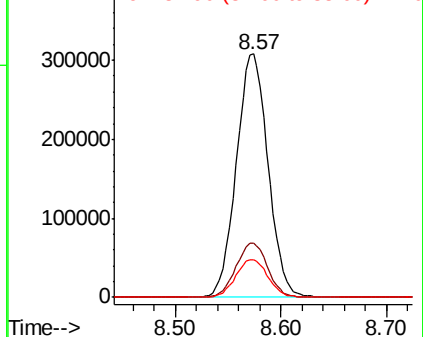
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058740.D
 Acq: 12 Oct 2019 6:18

Instrument :
 MSVOA_N
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 AMENDED-COMPOSITE-A

Tot Ion:114 Resp: 641250
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.8
 88 15.5 0.0 32.0

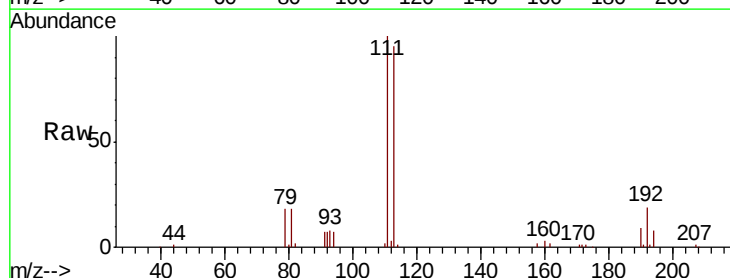


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

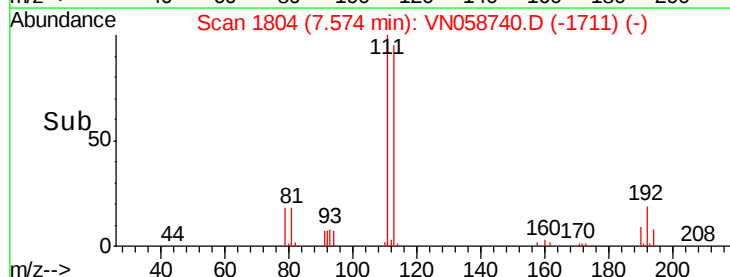
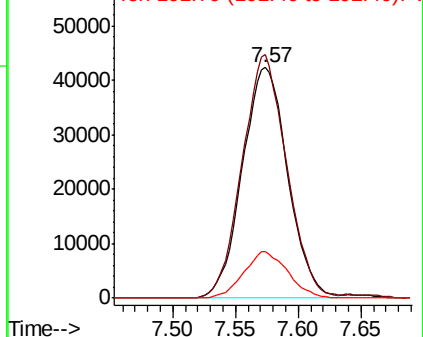


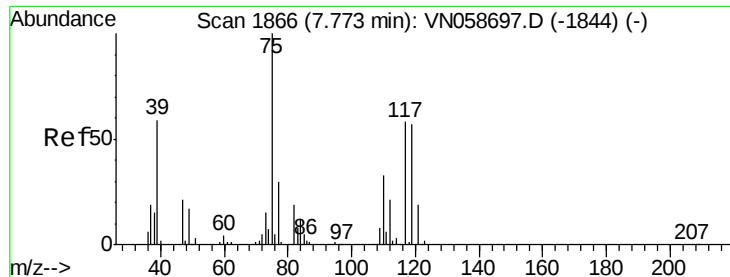
#35
 Dibromofluoromethane
 Concen: 26.937 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058740.D
 Acq: 12 Oct 2019 6:18

Tgt Ion:113 Resp: 106693
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.3 123.5
 192 19.6 15.0 22.6



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: 5.306 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.13 min

Lab File: VN058740.D

Acq: 12 Oct 2019 6:18

Instrument :

MSVOA_N

ClientSampleId :

AMENDED-COMPOSITE-A

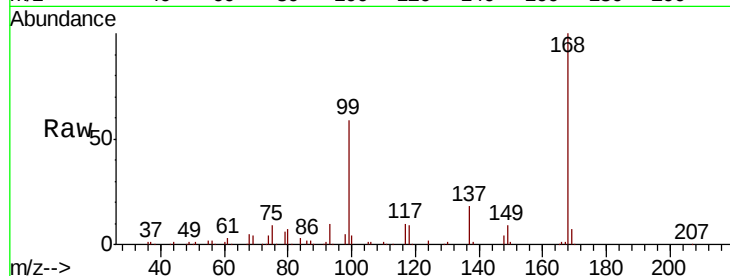
Tot Ion: 75 Resp: 34399

Ion Ratio Lower Upper

75 100

110 6.1 16.6 49.8#

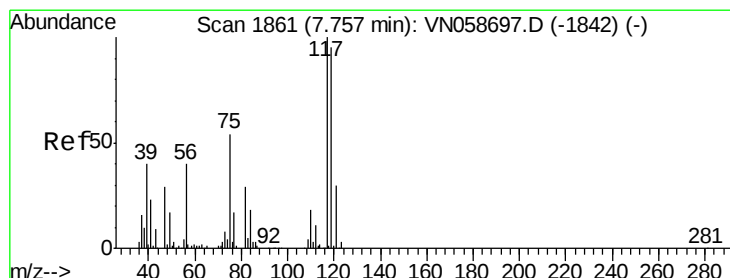
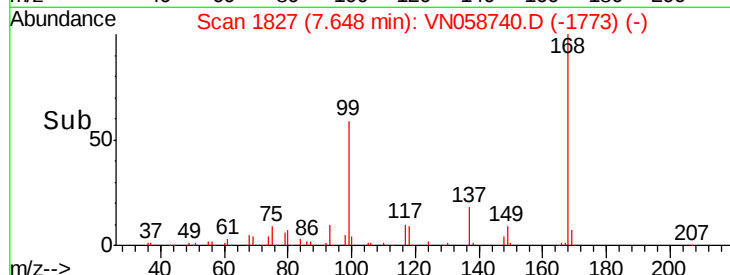
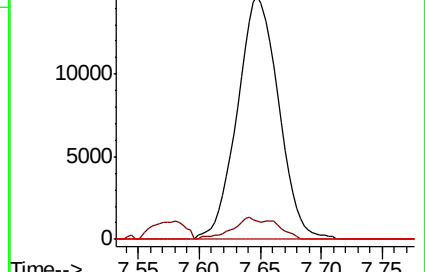
77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VN058740.D (-1773) (-)

Ion 109.90 (109.60 to 110.60): VN058740.D (-1773) (-)

Ion 76.90 (76.60 to 77.60): VN058740.D (-1773) (-)



#38

Carbon Tetrachloride

Concen: 6.304 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058740.D

Acq: 12 Oct 2019 6:18

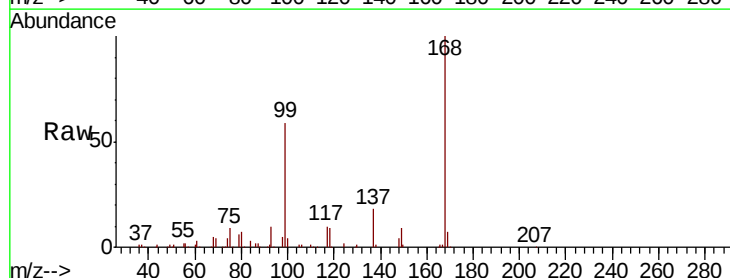
Tgt Ion: 117 Resp: 39837

Ion Ratio Lower Upper

117 100

119 4.7 75.7 113.5#

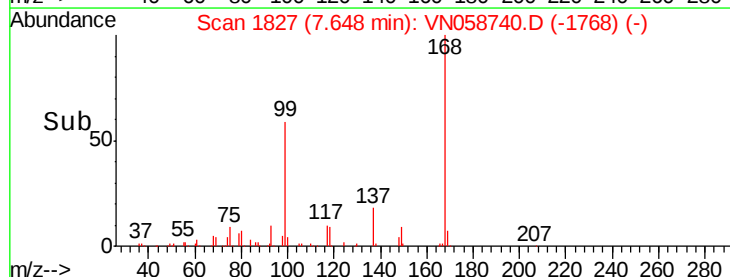
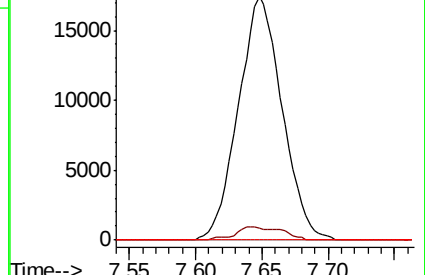
121 0.0 23.9 35.9#

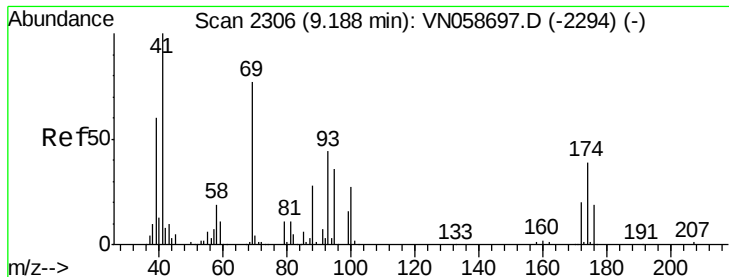


Abundance Ion 116.80 (116.50 to 117.50): VN058740.D (-1768) (-)

Ion 118.80 (118.50 to 119.50): VN058740.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN058740.D (-1768) (-)

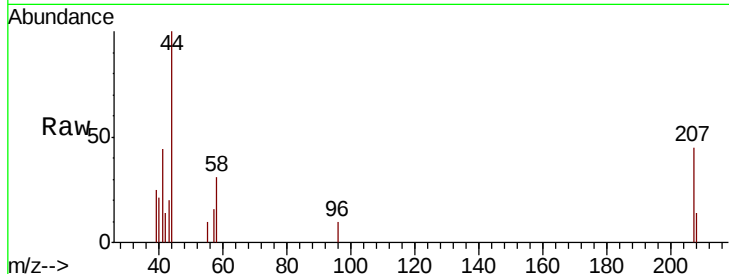




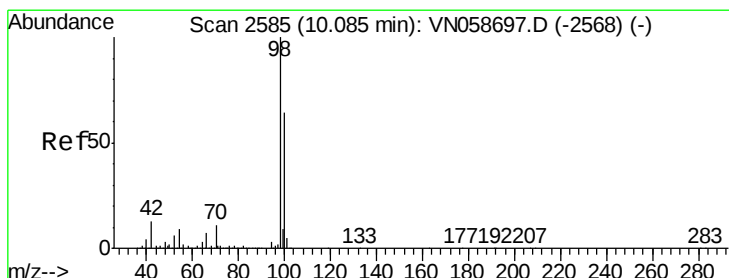
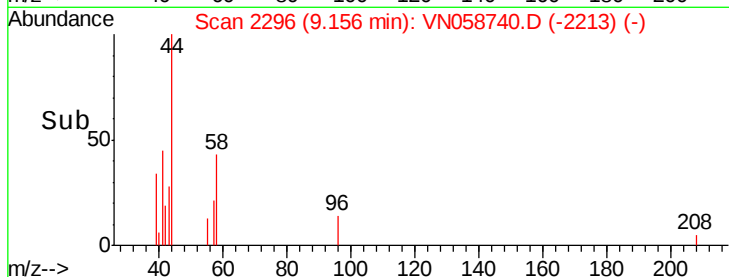
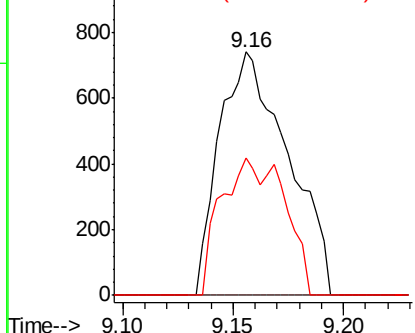
#48
Methvl methacrylate
Concen: 0.315 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN058740.D
Acq: 12 Oct 2019 6:18

Instrument :
MSVOA_N
ClientSampleId :
AMENDED-COMPOSITE-A

Tot Ion: 41 Resp: 1594
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.2#
39 31.9 48.9 73.3#

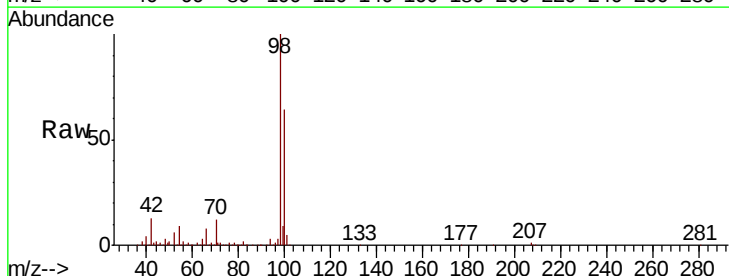


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

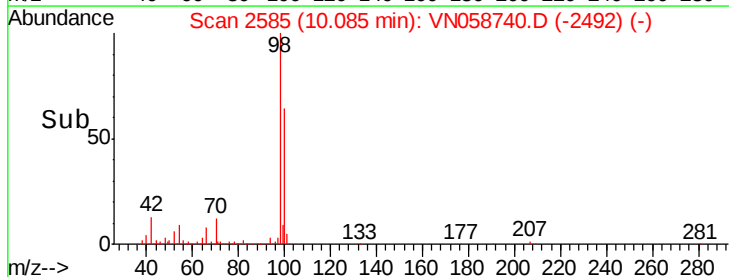
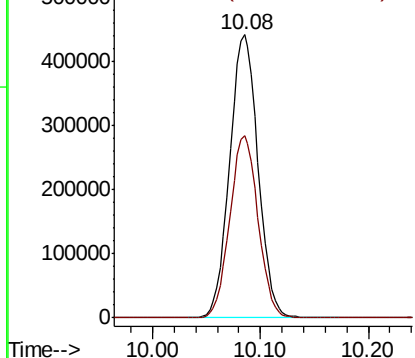


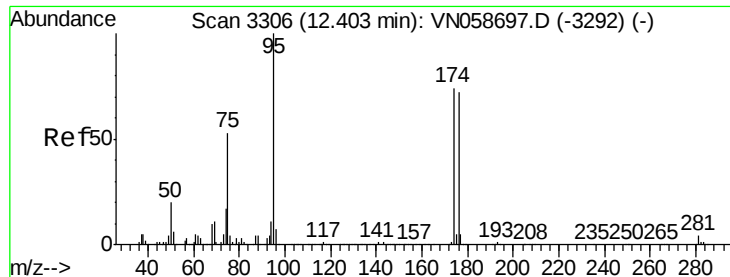
#50
Toluene-d8
Concen: 51.206 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058740.D
Acq: 12 Oct 2019 6:18

Tgt Ion: 98 Resp: 811045
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

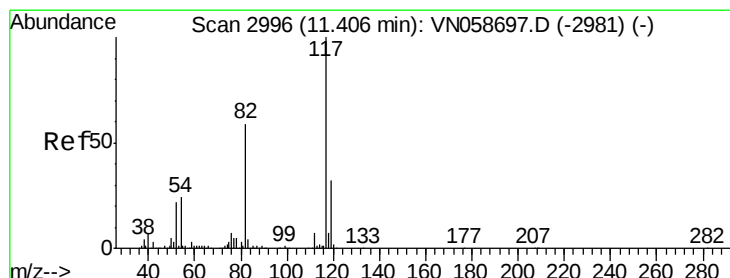
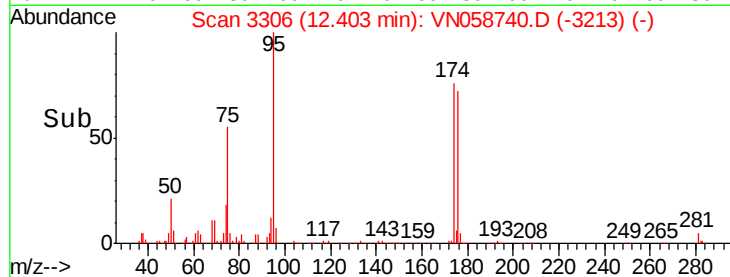
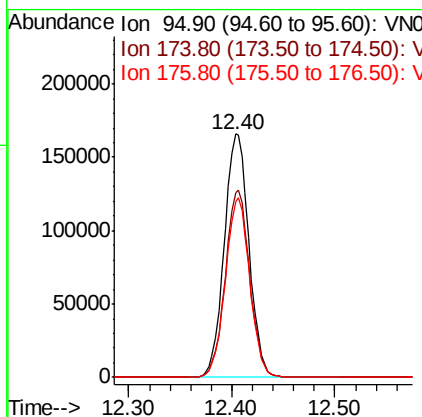
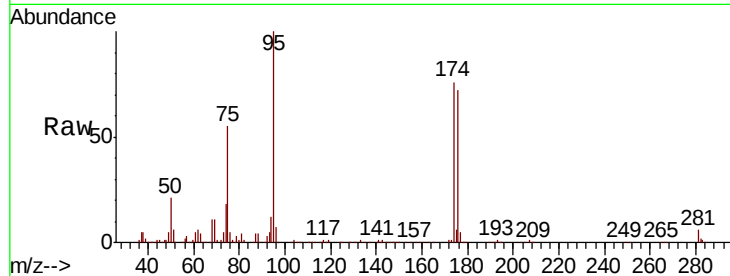




#62
4-Bromofluorobenzene
Concen: 46.122 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058740.D
Acq: 12 Oct 2019 6:18

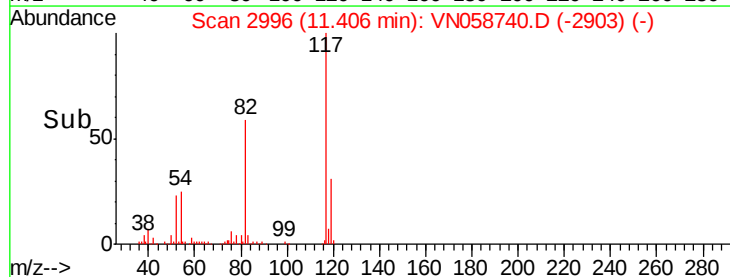
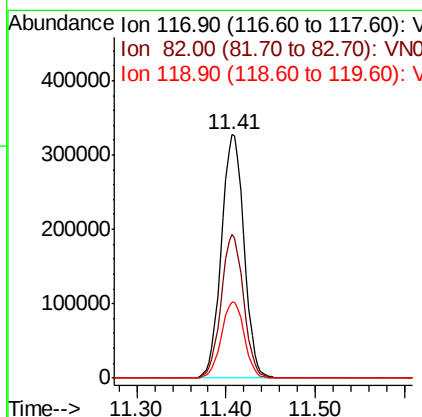
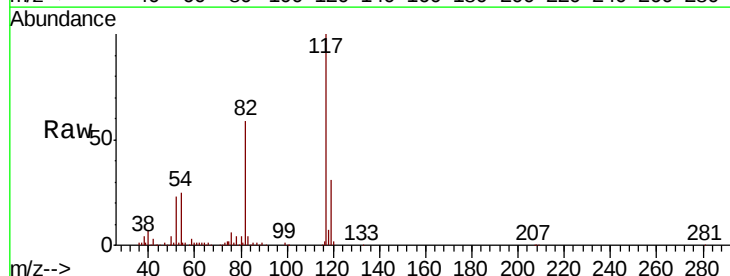
Instrument :
MSVOA_N
ClientSampleId :
AMENDED-COMPOSITE-A

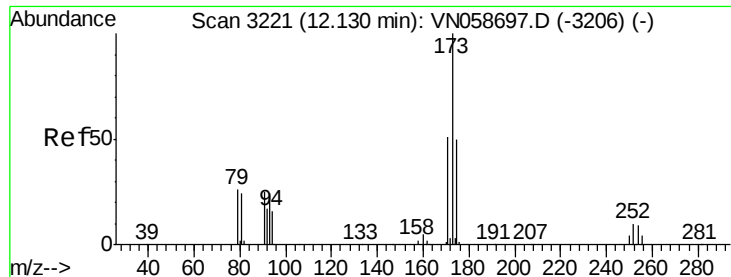
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	150.4
176	72.6	0.0	146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058740.D
Acq: 12 Oct 2019 6:18

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.0	70.4
119	31.2	25.4	38.2





#71

Bromoform

Concen: 0.619 ug/l

RT: 12.41 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN058740.D

Acq: 12 Oct 2019 6:18

Instrument :

MSVOA_N

ClientSampleId :

AMENDED-COMPOSITE-A

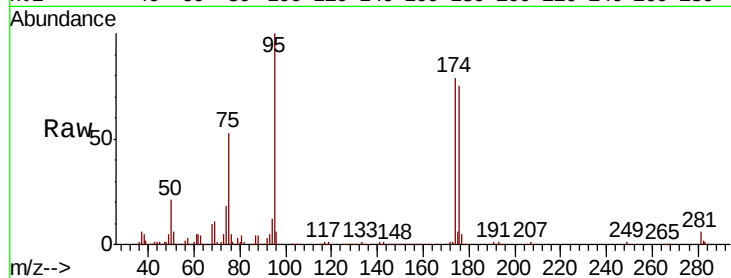
Tot Ion:173 Resp: 1957

Ion Ratio Lower Upper

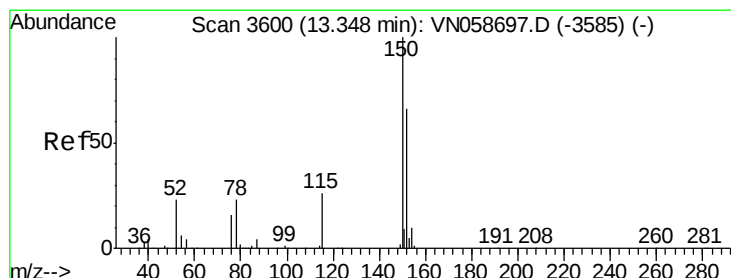
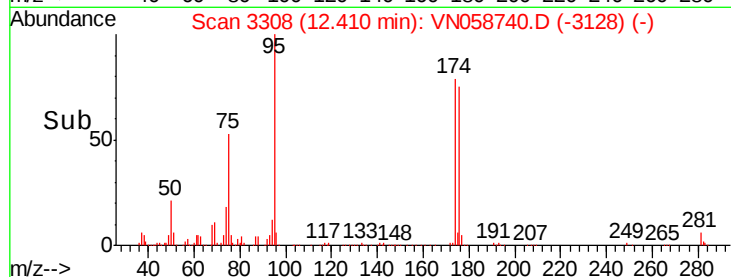
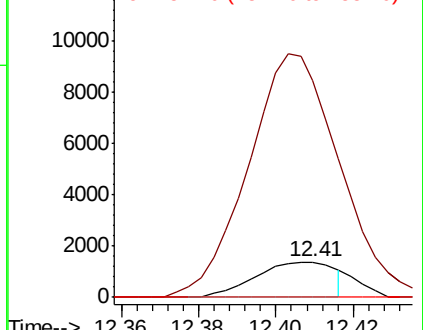
173 100

175 694.5 24.6 73.8#

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# 3600

Delta R.T. 0.00 min

Lab File: VN058740.D

Acq: 12 Oct 2019 6:18

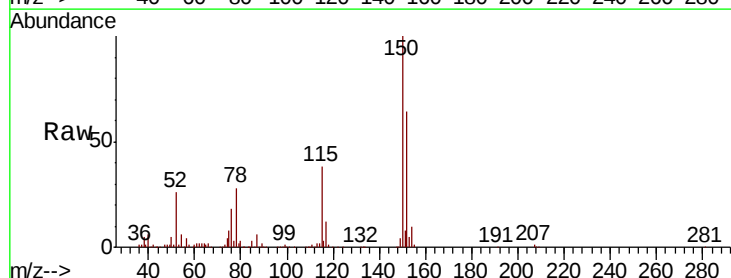
Tgt Ion:152 Resp: 243249

Ion Ratio Lower Upper

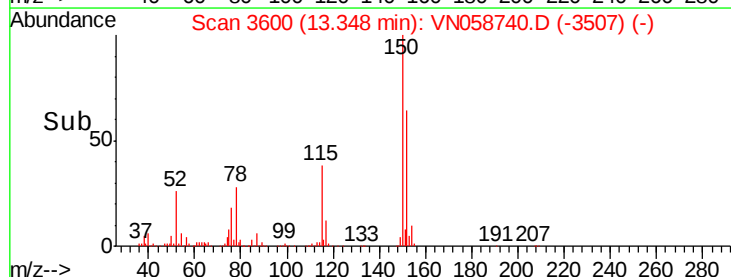
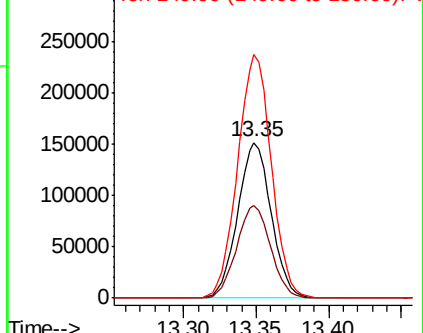
152 100

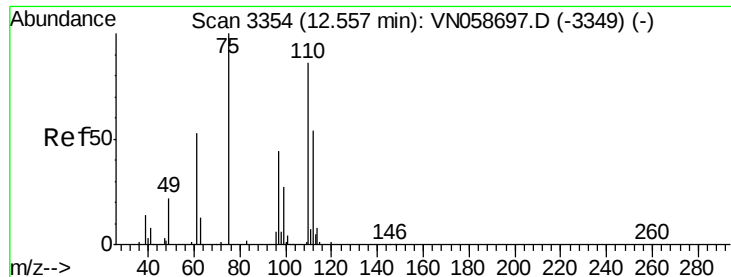
115 60.5 30.4 91.2

150 158.1 0.0 345.4



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: 28.163 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058740.D

Acq: 12 Oct 2019 6:18

Instrument :

MSVOA_N

ClientSampleId :

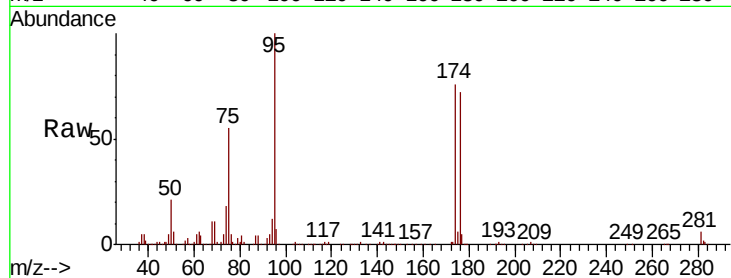
AMENDED-COMPOSITE-A

Tot Ion: 75 Resp: 150287

Ion Ratio Lower Upper

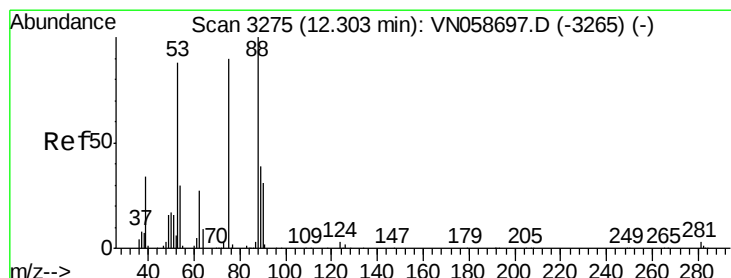
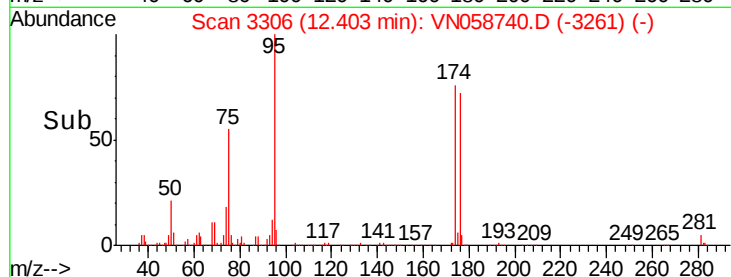
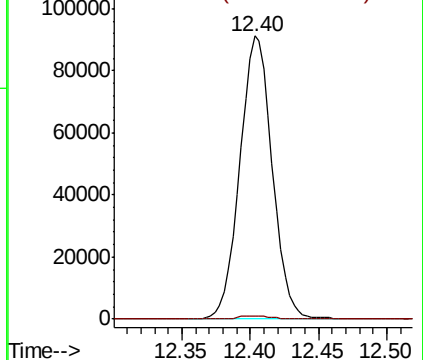
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 75.440 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058740.D

Acq: 12 Oct 2019 6:18

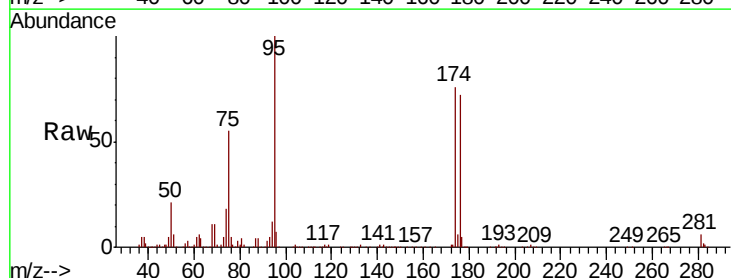
Tgt Ion: 75 Resp: 150287

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.0 34.9 52.3#



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

