

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059785.D
 Acq On : 20 Jan 2020 14:33
 Operator : JC/MD
 Sample : L1166-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 21 01:18:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	212993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	314493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	275289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115838	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	110769	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
35) Dibromofluoromethane	7.56	113	96160	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
50) Toluene-d8	10.08	98	367304	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	122795	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	

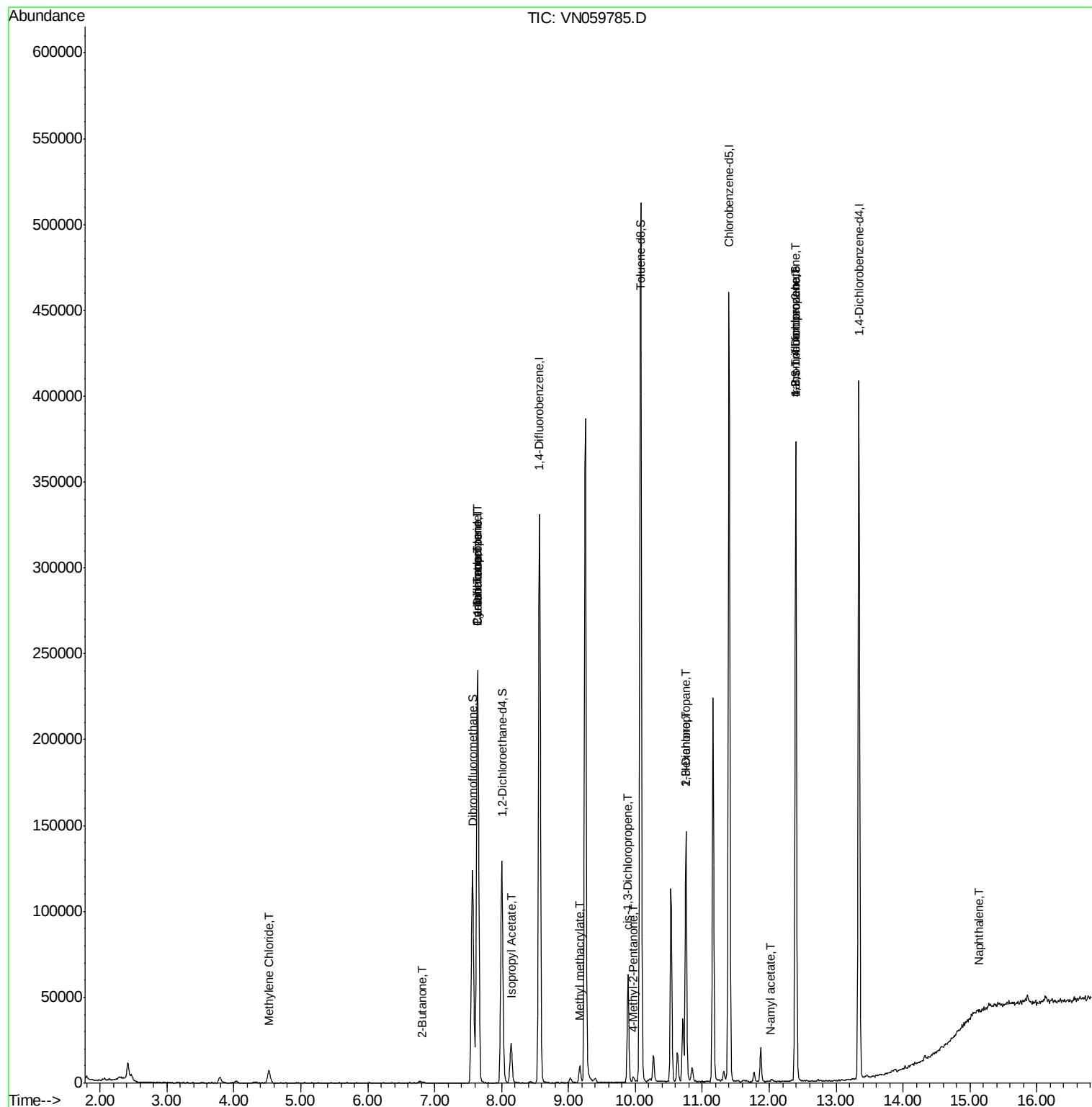
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	5945	Below Cal		99
20) Methylene Chloride	4.53	84	5882	1.493	ug/l	89
25) 2-Butanone	6.82	43	512	0.382	ug/l #	50
31) Cyclohexane	7.64	56	2056	0.587	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14283	5.215	ug/l #	51
38) Carbon Tetrachloride	7.64	117	18891	6.341	ug/l #	16
43) Isopropyl Acetate	8.14	43	27541	6.233	ug/l #	92
48) Methyl methacrylate	9.17	41	1371	0.694	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	1539	0.603	ug/l #	84
54) cis-1,3-Dichloropropene	9.89	75	12428	3.682	ug/l #	57
57) 1,3-Dichloropropane	10.75	76	1578	0.486	ug/l #	42
59) 2-Hexanone	10.75	43	20606	10.951	ug/l #	57
74) N-amyl acetate	12.03	43	1849	0.561	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	61899	31.752	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	61899	68.188	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	59	Below Cal	#	6
95) Naphthalene	15.14	128	1302	0.206	ug/l #	72

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

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QLast Update : Sat Jan 18 03:09:32 2020
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: VN059785.D

Acq: 20 Jan 2020 14:33

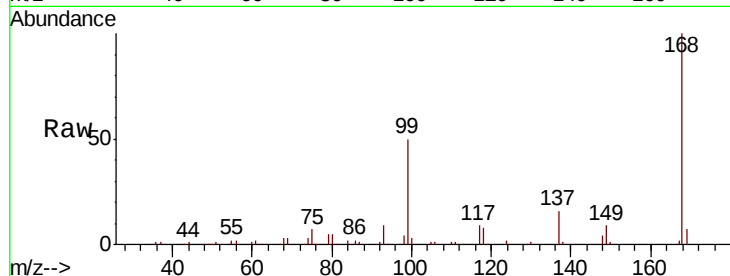
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 212993

Ion Ratio Lower Upper

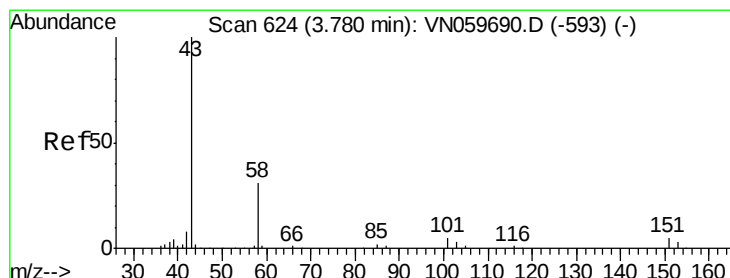
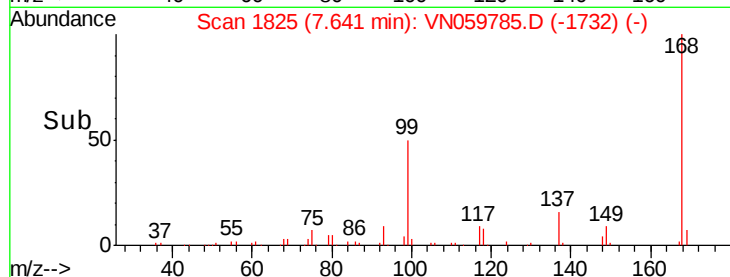
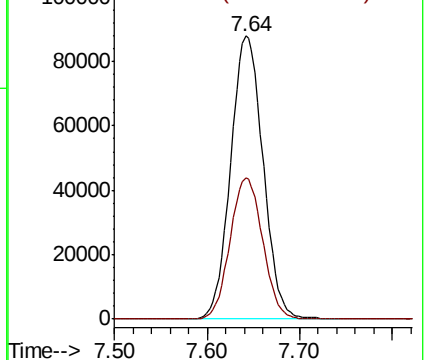
168 100

99 49.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059690.D (-1807) (-)



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN059785.D

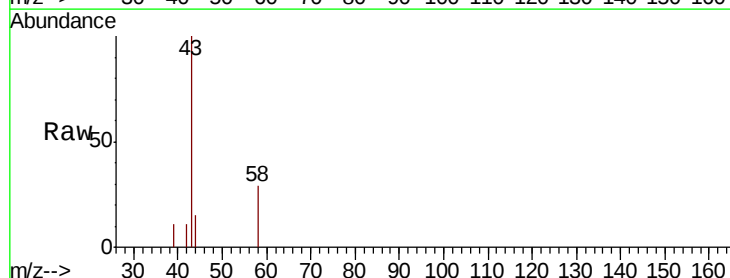
Acq: 20 Jan 2020 14:33

Tgt Ion: 43 Resp: 5945

Ion Ratio Lower Upper

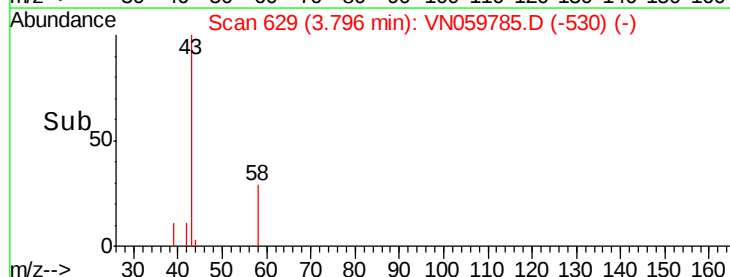
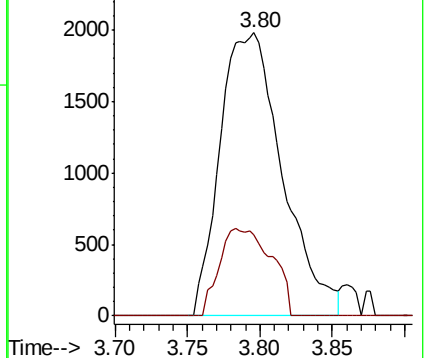
43 100

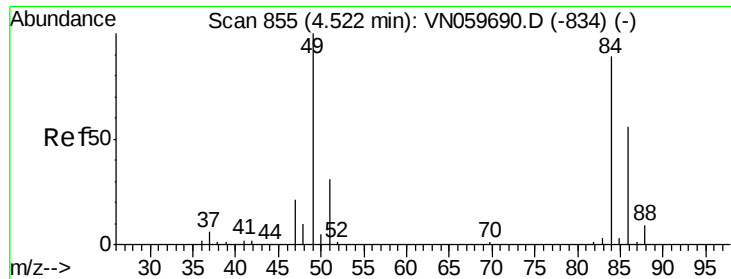
58 28.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-593) (-)

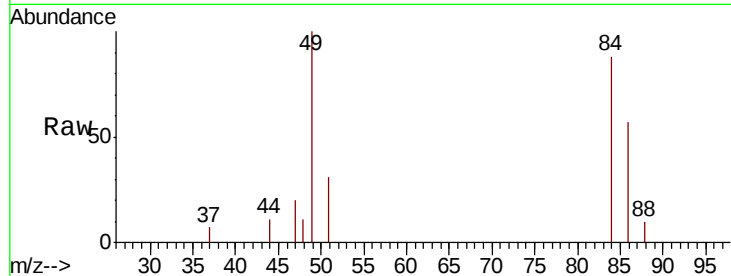




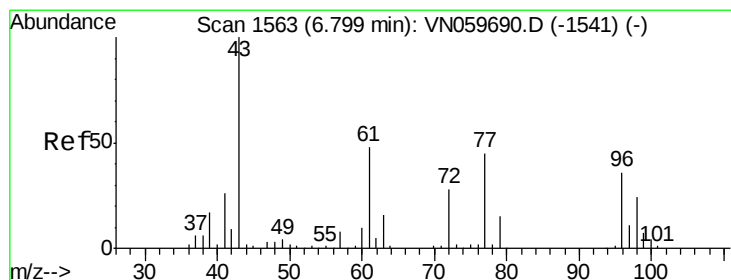
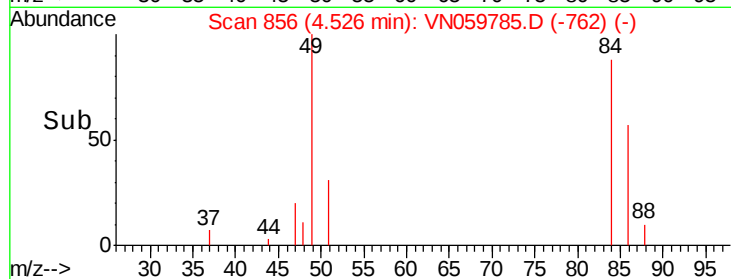
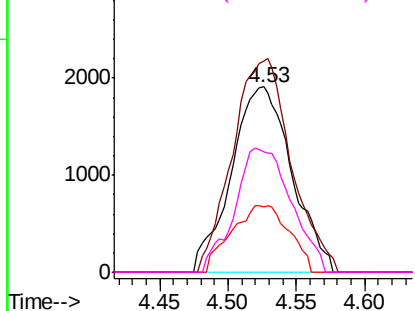
#20
Methvlene Chloride
Concen: 1.493 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059785.D
Acq: 20 Jan 2020 14:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 5882
Ion Ratio Lower Upper
84 100
49 113.9 106.6 160.0
51 35.5 31.9 47.9
86 65.1 50.8 76.2

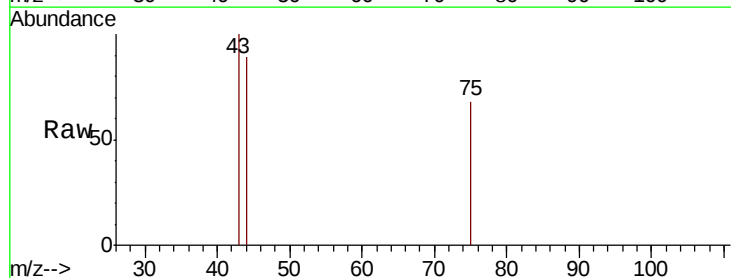


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

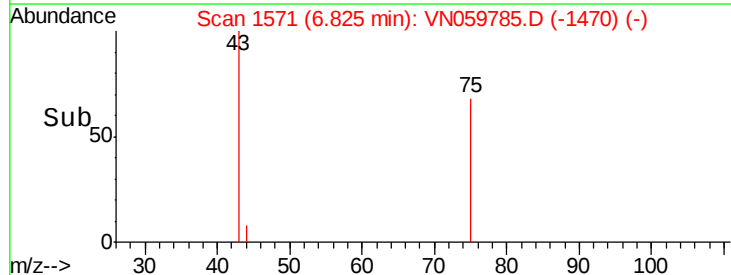
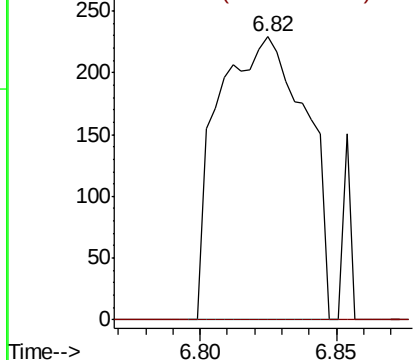


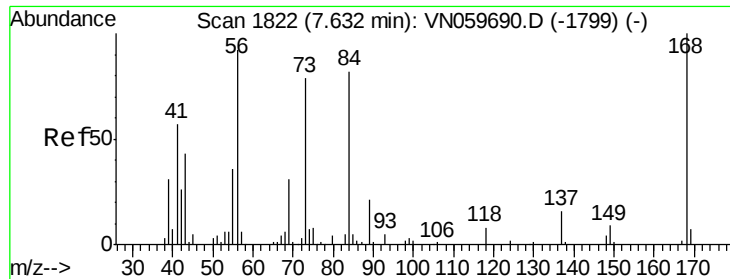
#25
2-Butanone
Concen: 0.382 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.03 min
Lab File: VN059785.D
Acq: 20 Jan 2020 14:33

Tgt Ion: 43 Resp: 512
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO

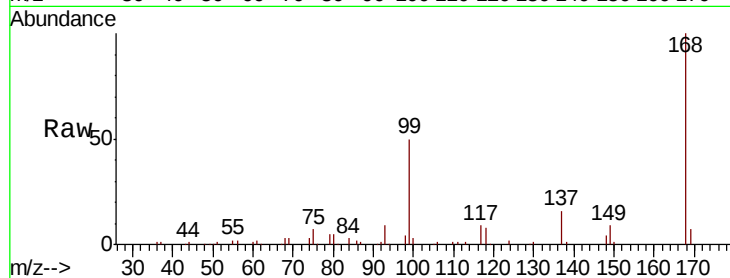




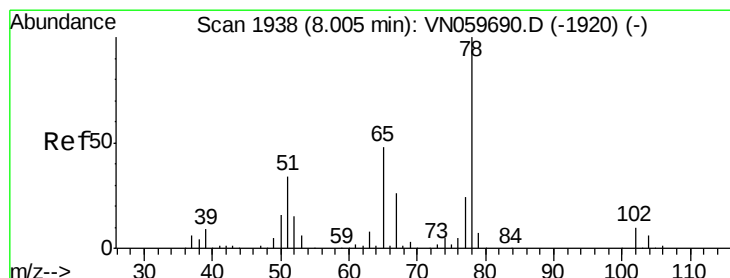
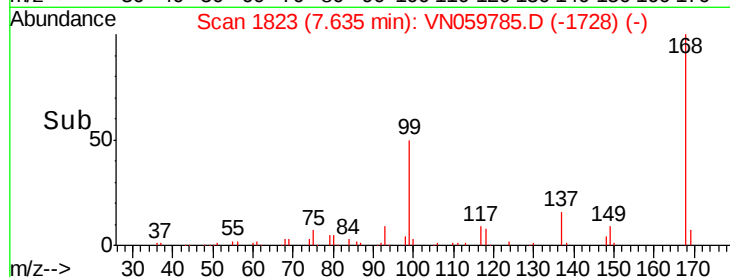
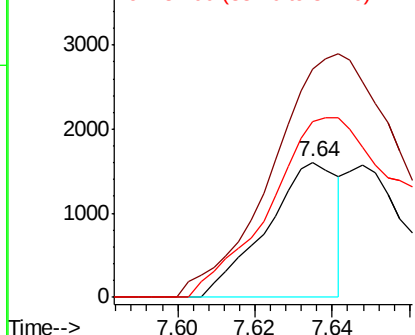
#31
Cyclohexane
Concen: 0.587 ug/l
RT: 7.64 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059785.D
Acq: 20 Jan 2020 14:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2056
Ion Ratio Lower Upper
56 100
69 156.9 26.5 39.7#
84 130.2 65.3 97.9#

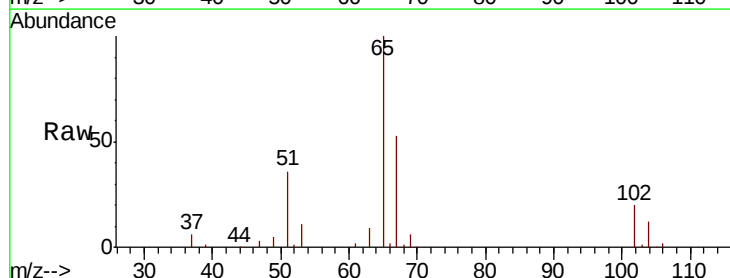


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

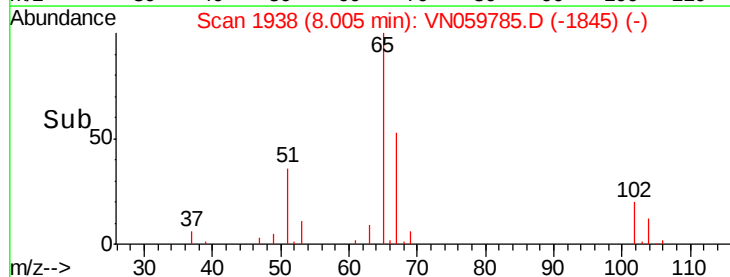
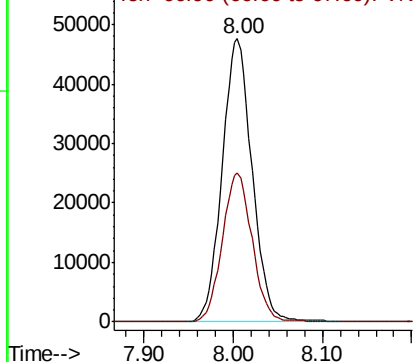


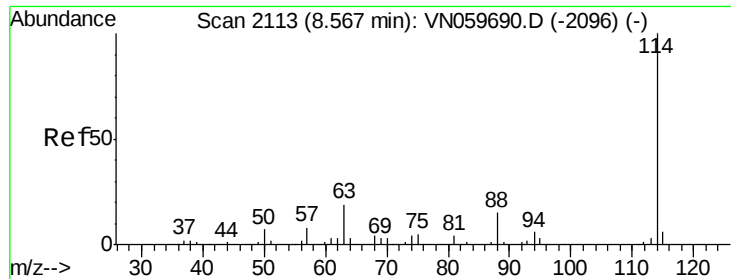
#33
1,2-Dichloroethane-d4
Concen: 46.830 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059785.D
Acq: 20 Jan 2020 14:33

Tgt Ion: 65 Resp: 110769
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

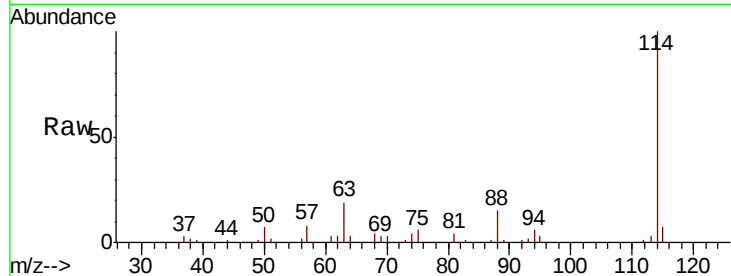




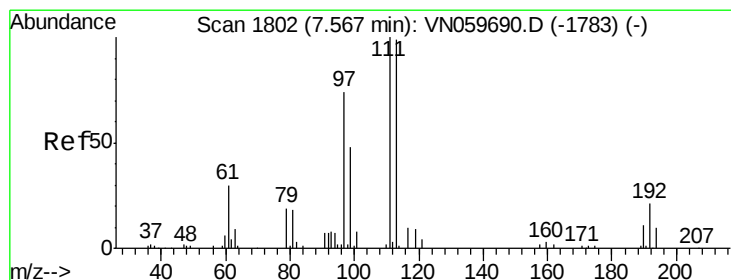
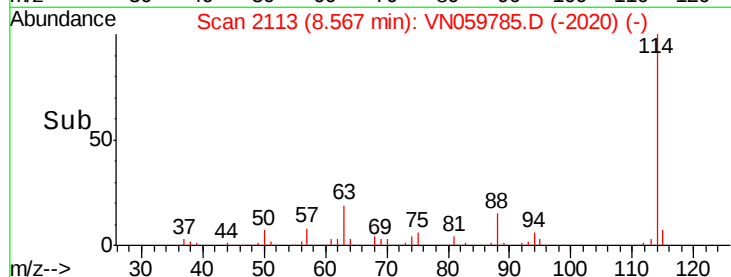
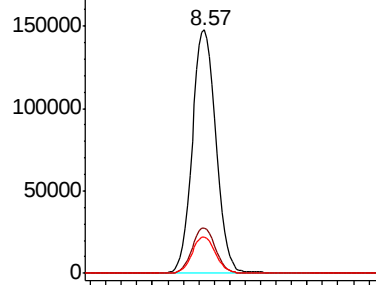
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059785.D
 Acq: 20 Jan 2020 14:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 314493
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 43.6
 88 15.1 0.0 31.4

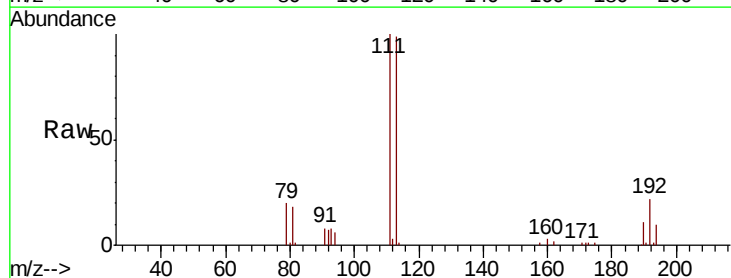


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

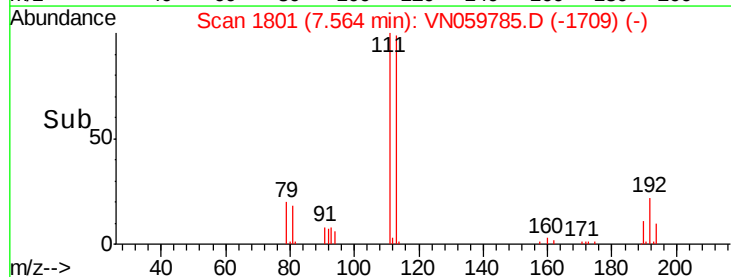
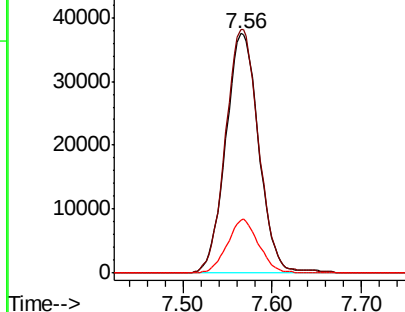


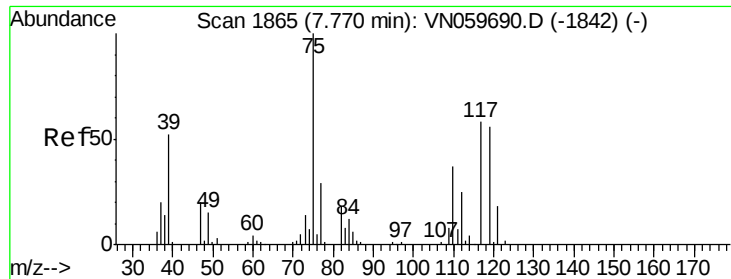
#35
 Dibromofluoromethane
 Concen: 51.273 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059785.D
 Acq: 20 Jan 2020 14:33

Tgt Ion:113 Resp: 96160
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.5 125.3
 192 21.2 15.4 23.2



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

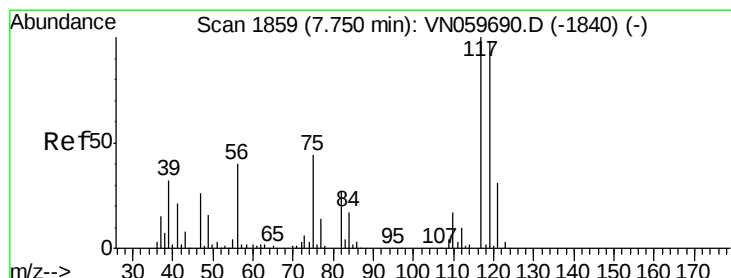
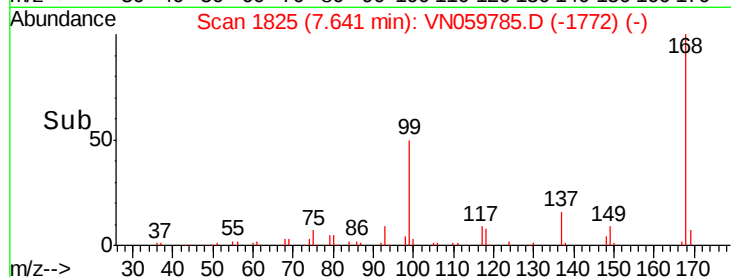
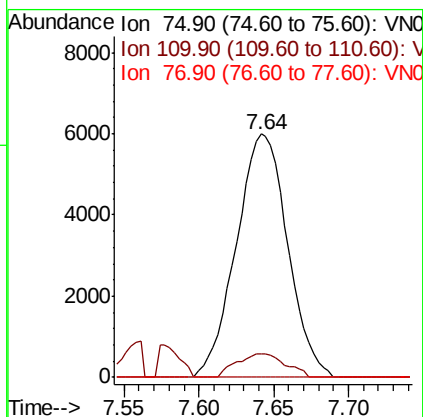
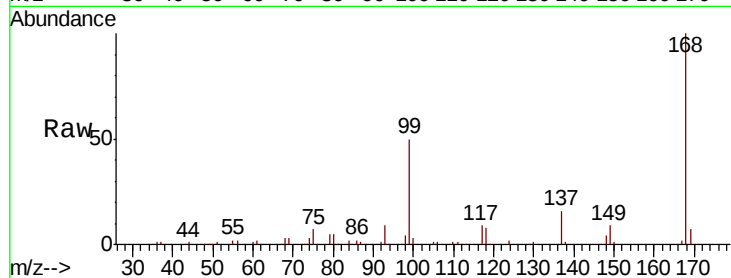




#36
 1,1-Dichloropropene
 Concen: 5.215 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059785.D
 Acq: 20 Jan 2020 14:33

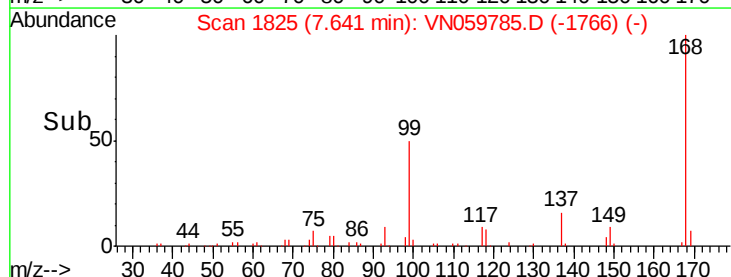
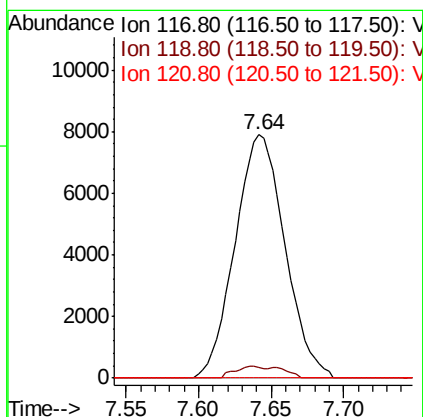
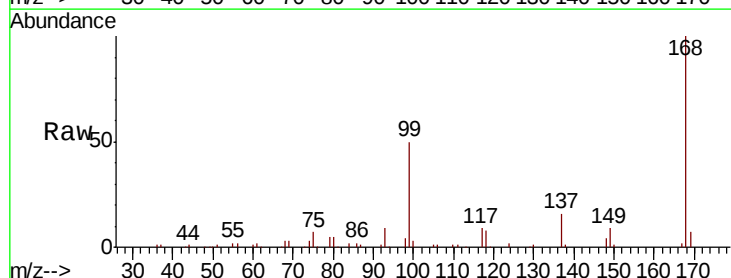
Instrument :
 MSVOA_N
 ClientSampleId :

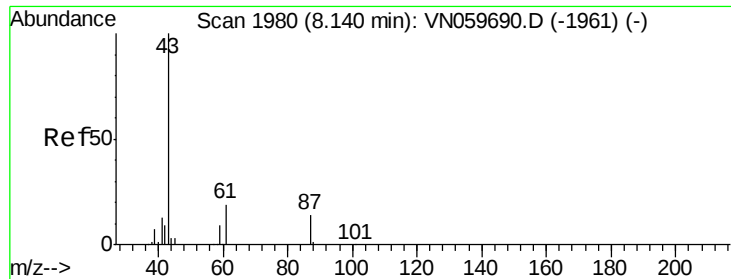
Tot Ion: 75 Resp: 14283
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.6 49.7#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.341 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059785.D
 Acq: 20 Jan 2020 14:33

Tgt Ion: 117 Resp: 18891
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.5 114.7#
 121 0.0 25.1 37.7#





#43

Isopropyl Acetate

Concen: 6.233 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059785.D

Acq: 20 Jan 2020 14:33

Instrument :

MSVOA_N

ClientSampleId :

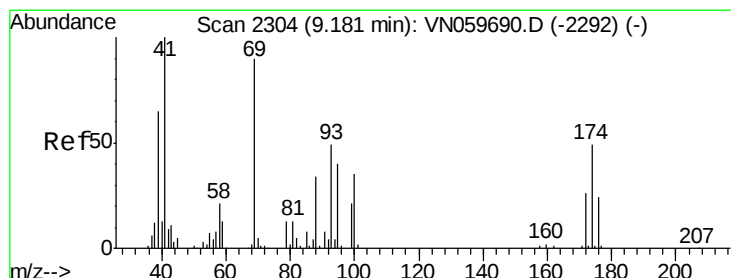
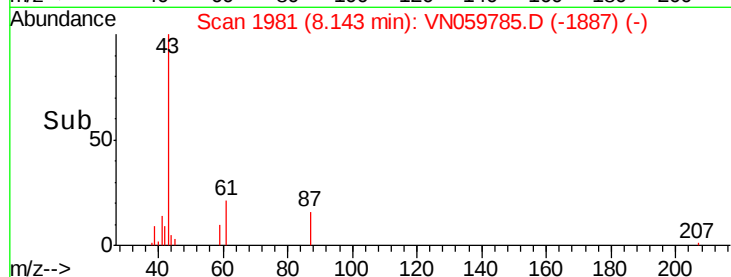
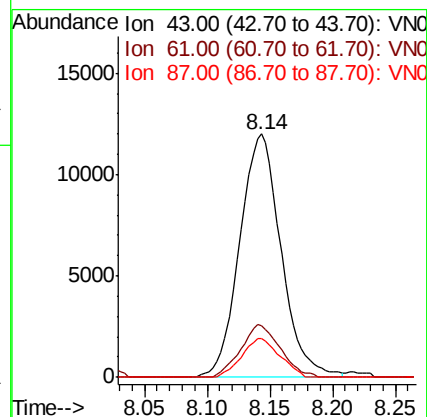
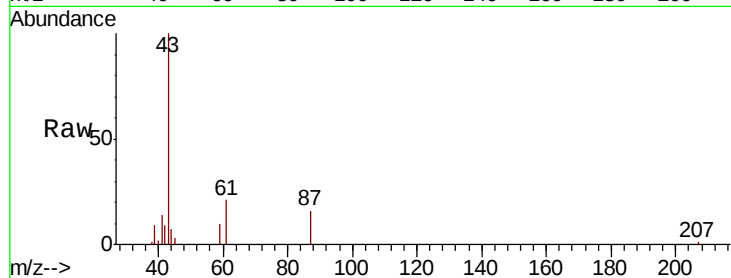
Tot Ion: 43 Resp: 27541

Ion Ratio Lower Upper

43 100

61 20.6 20.2 30.2

87 14.7 9.5 14.3#



#48

Methyl methacrylate

Concen: 0.694 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. -0.01 min

Lab File: VN059785.D

Acq: 20 Jan 2020 14:33

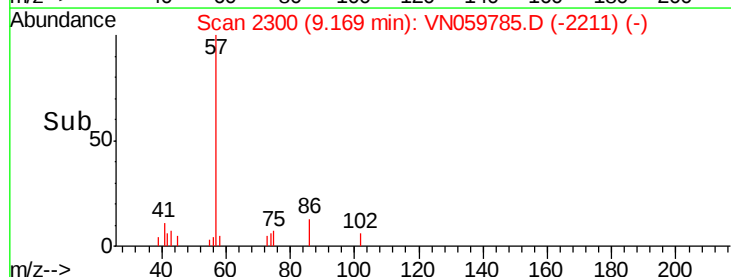
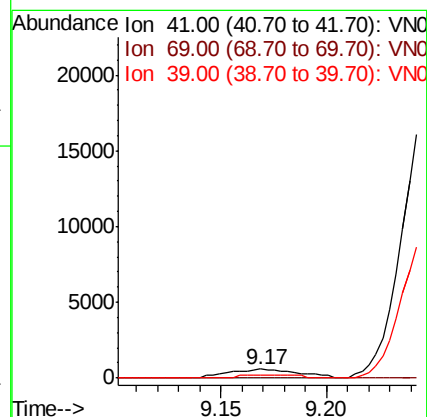
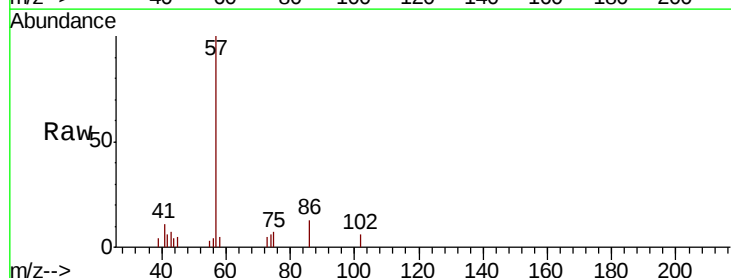
Tgt Ion: 41 Resp: 1371

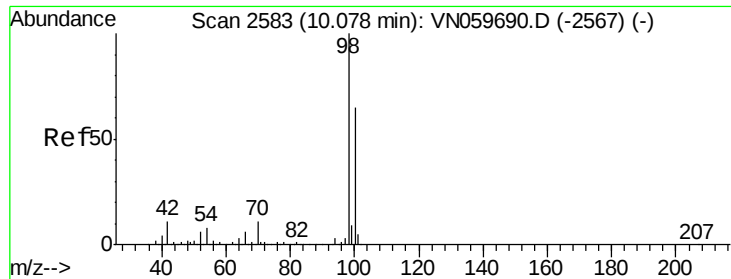
Ion Ratio Lower Upper

41 100

69 0.0 64.4 96.6#

39 0.0 51.3 76.9#





#50

Toluene-d8

Concen: 50.548 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059785.D

Acq: 20 Jan 2020 14:33

Instrument :

MSVOA_N

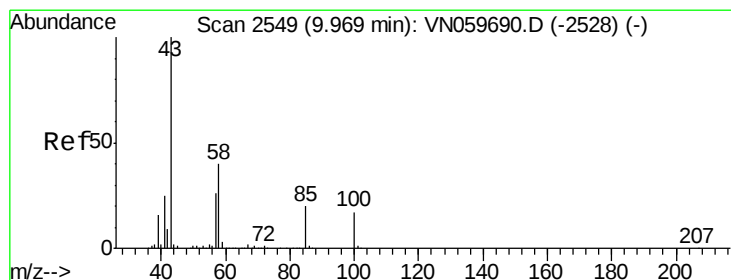
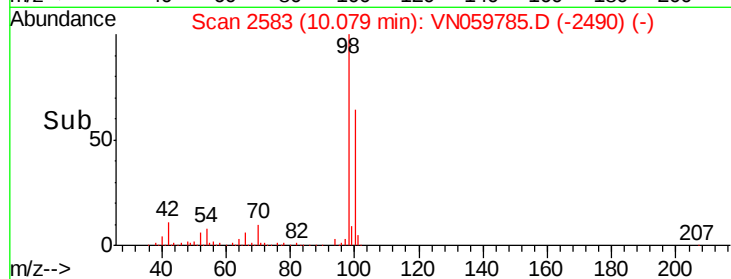
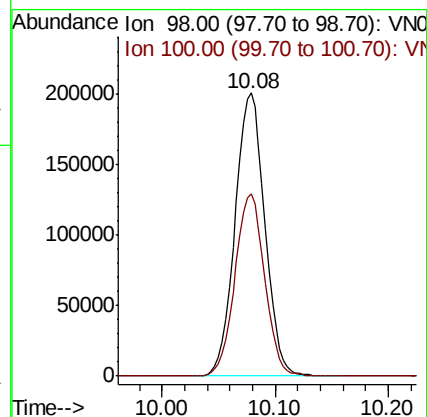
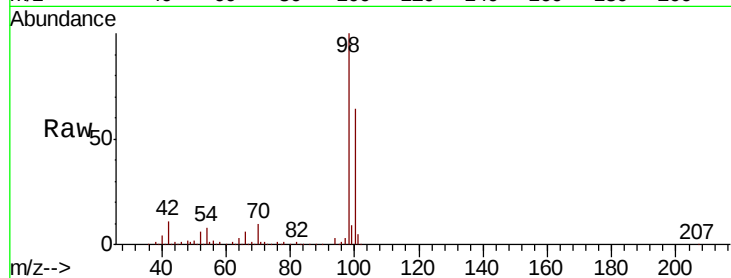
ClientSampled :

Tot Ion: 98 Resp: 367304

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 0.603 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059785.D

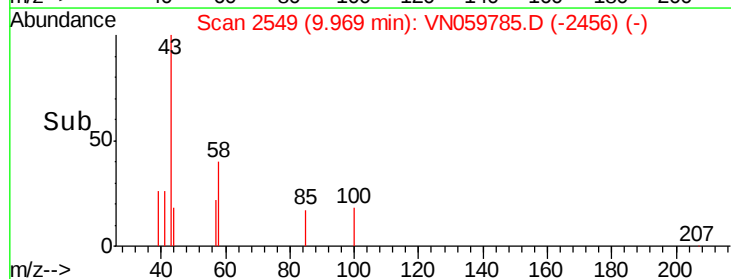
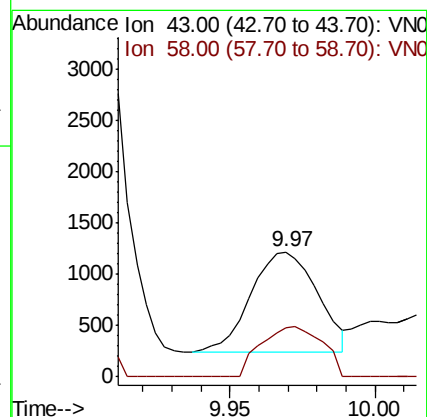
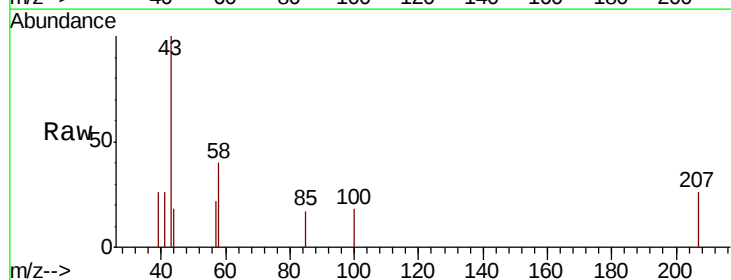
Acq: 20 Jan 2020 14:33

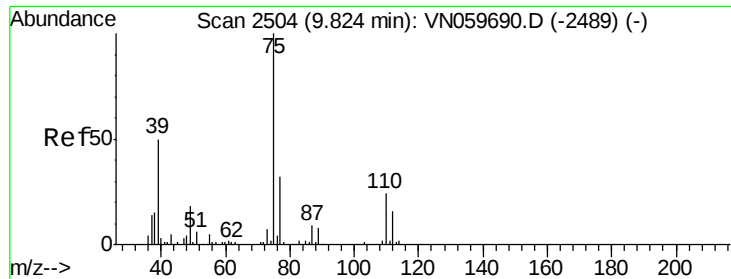
Tgt Ion: 43 Resp: 1539

Ion Ratio Lower Upper

43 100

58 47.0 29.8 44.8#



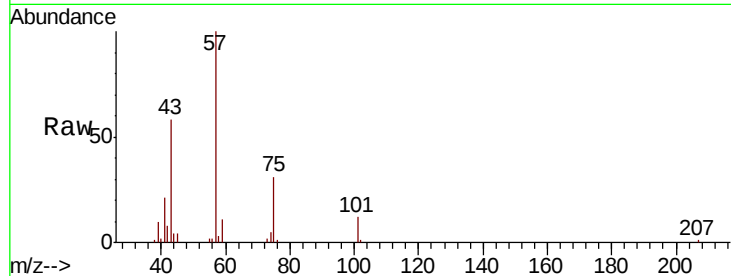


#54

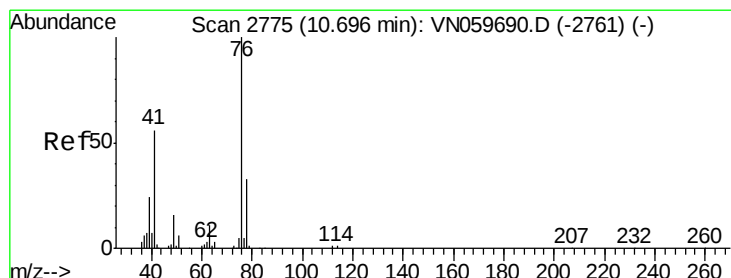
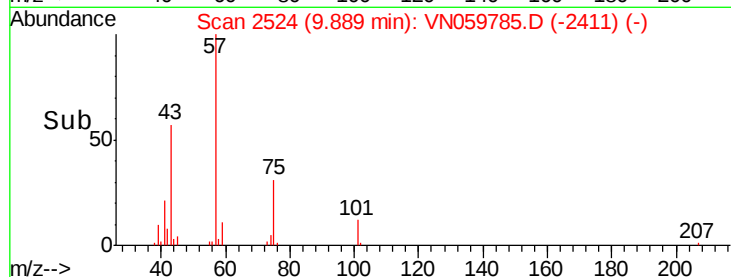
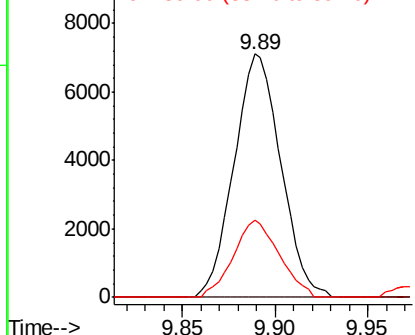
cis-1,3-Dichloropropene
 Concen: 3.682 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN059785.D
 Acq: 20 Jan 2020 14:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.1	37.7#
39	31.8	46.1	69.1#



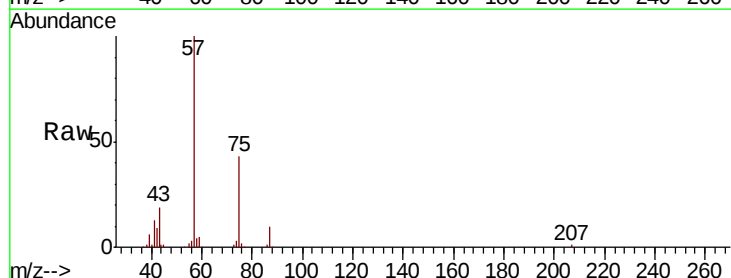
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



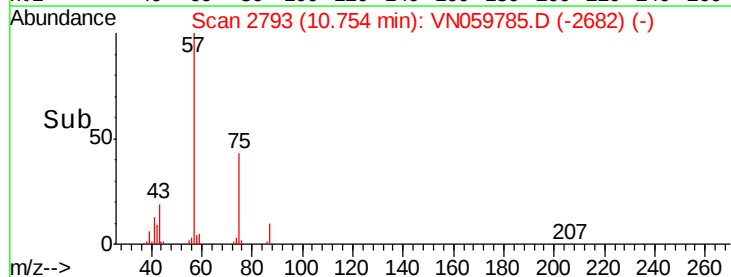
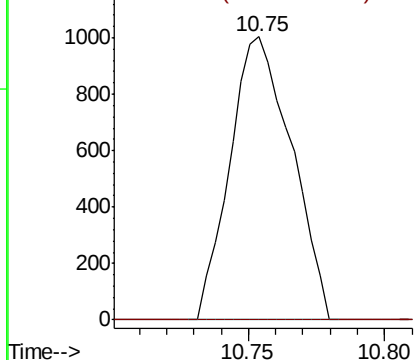
#57

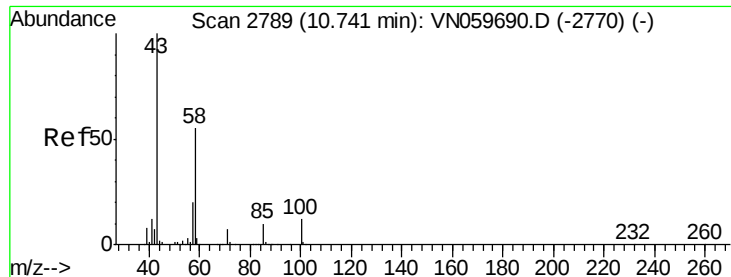
1,3-Dichloropropane
 Concen: 0.486 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059785.D
 Acq: 20 Jan 2020 14:33

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

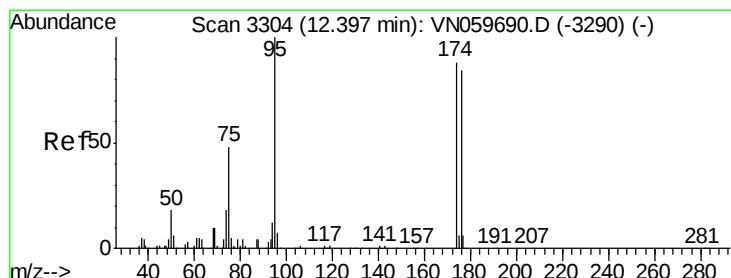
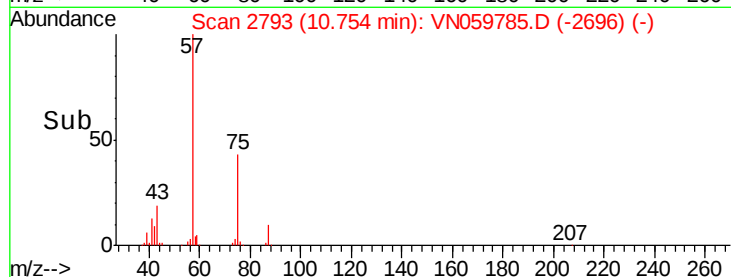
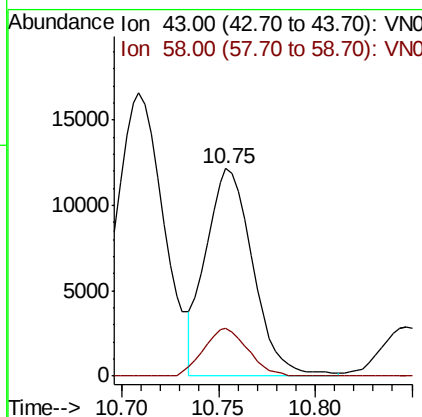
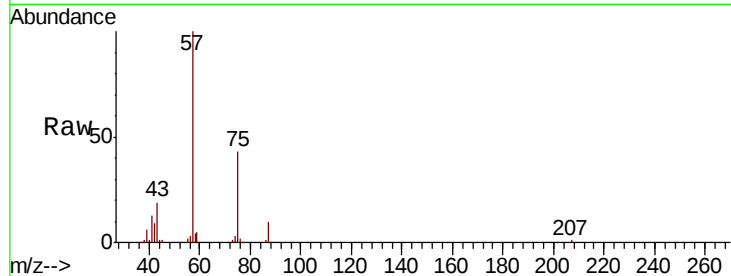




#59
2-Hexanone
Concen: 10.951 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059785.D
Acq: 20 Jan 2020 14:33

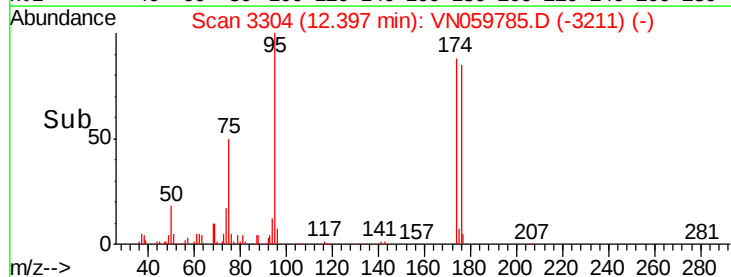
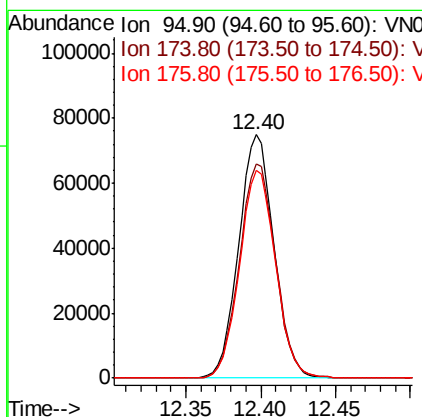
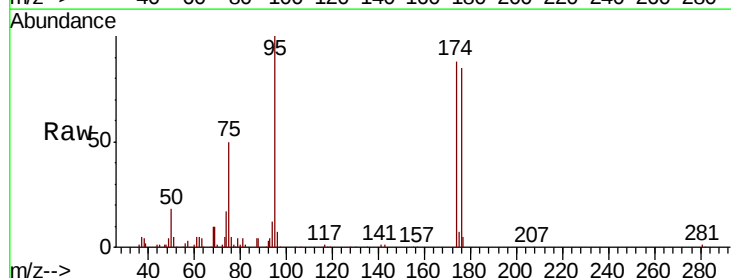
Instrument :
MSVOA_N
ClientSampled :

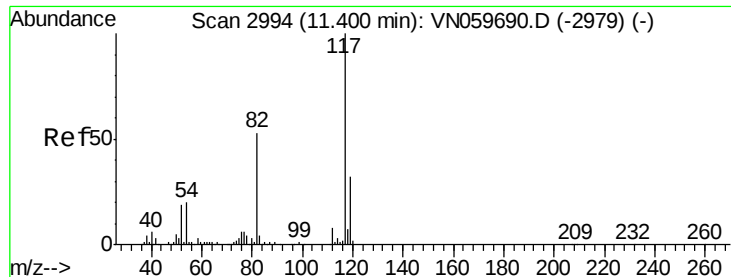
Tot Ion: 43 Resp: 20606
Ion Ratio Lower Upper
43 100
58 21.5 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 46.876 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059785.D
Acq: 20 Jan 2020 14:33

Tgt Ion: 95 Resp: 122795
Ion Ratio Lower Upper
95 100
174 90.7 0.0 151.4
176 87.2 0.0 146.0

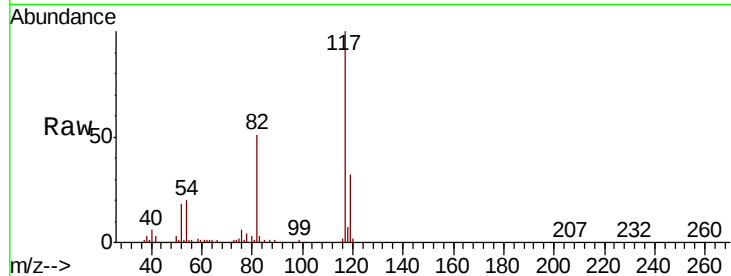




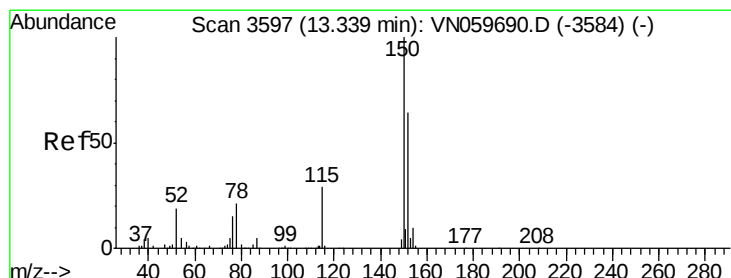
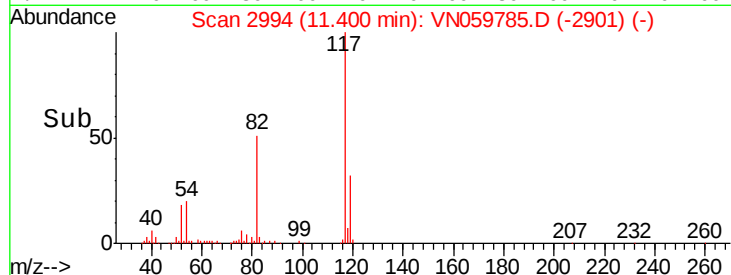
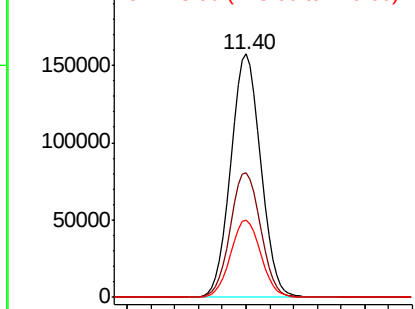
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059785.D
Acq: 20 Jan 2020 14:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 275289
Ion Ratio Lower Upper
117 100
82 51.3 45.9 68.9
119 31.7 25.5 38.3

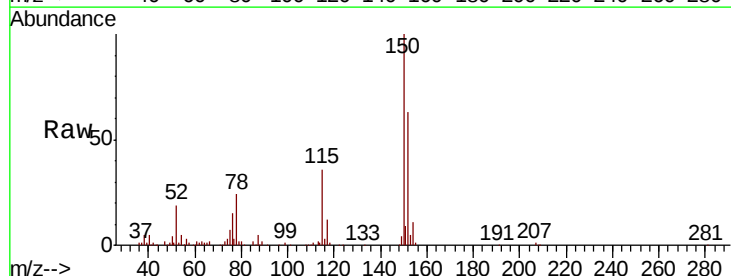


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

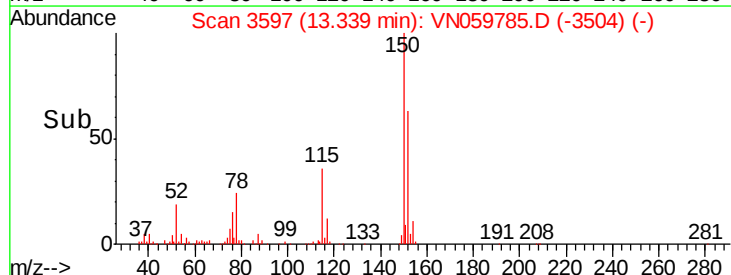
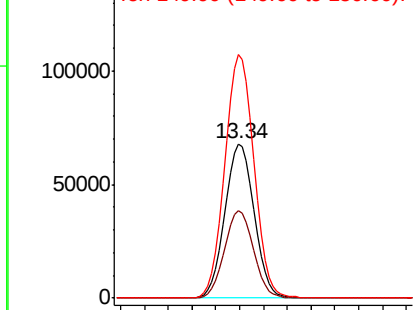


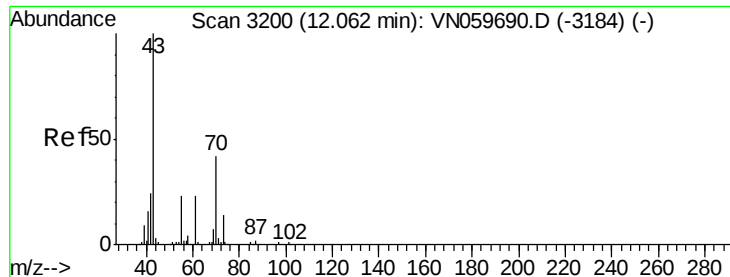
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059785.D
Acq: 20 Jan 2020 14:33

Tgt Ion:152 Resp: 115838
Ion Ratio Lower Upper
152 100
115 56.1 30.3 90.9
150 157.0 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





#74

N-amvl acetate

Concen: 0.561 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.03 min

Lab File: VN059785.D

Acq: 20 Jan 2020 14:33

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1849

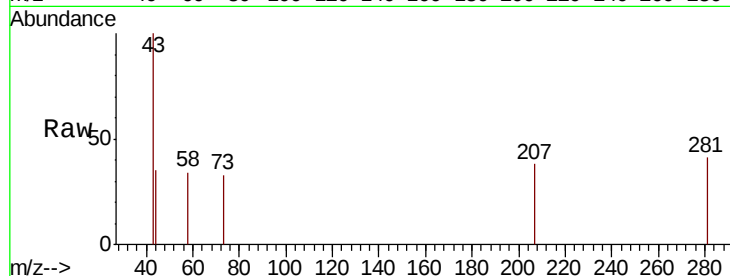
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

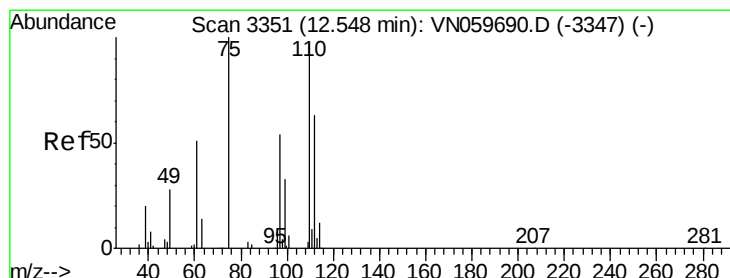
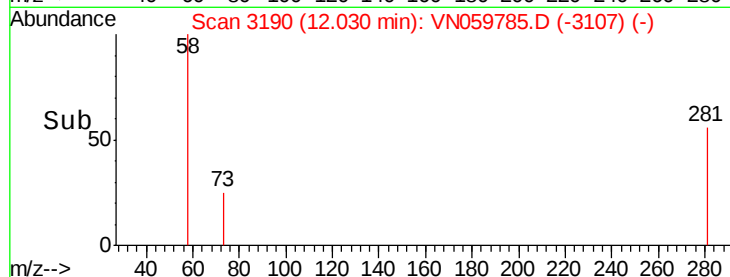
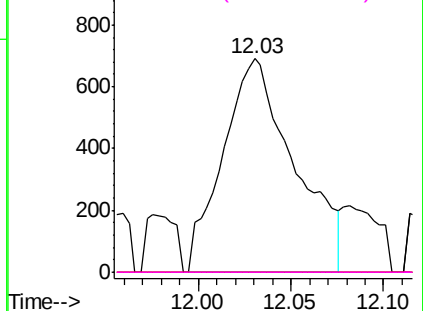


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 31.752 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059785.D

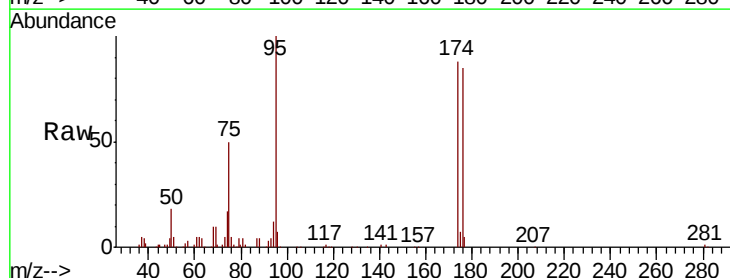
Acq: 20 Jan 2020 14:33

Tgt Ion: 75 Resp: 61899

Ion Ratio Lower Upper

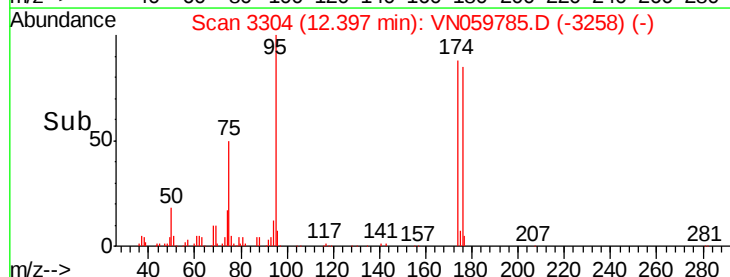
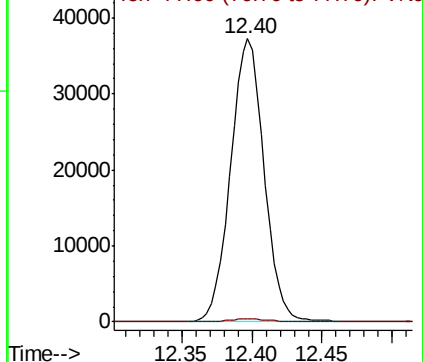
75 100

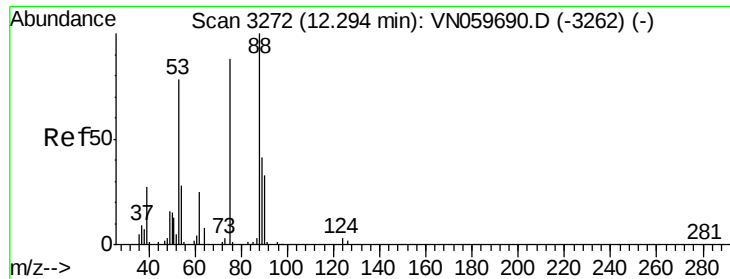
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

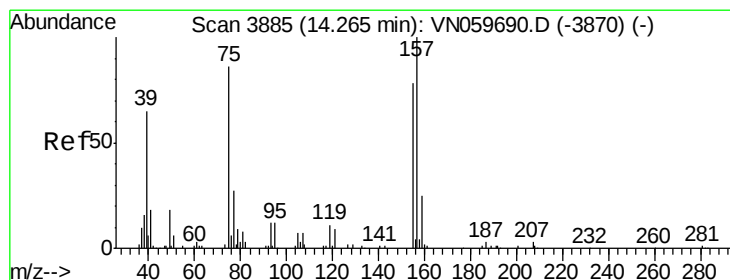
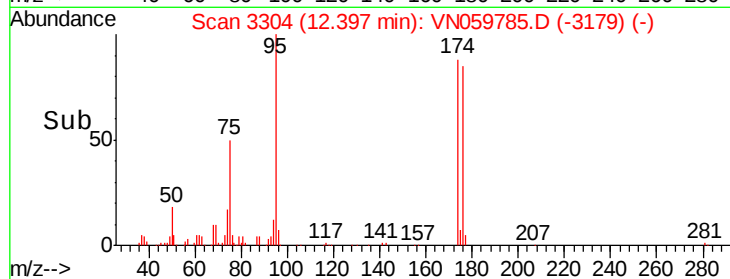
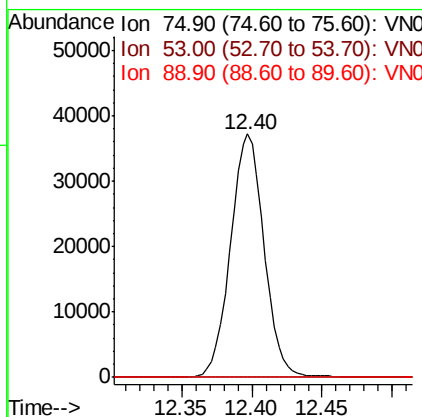
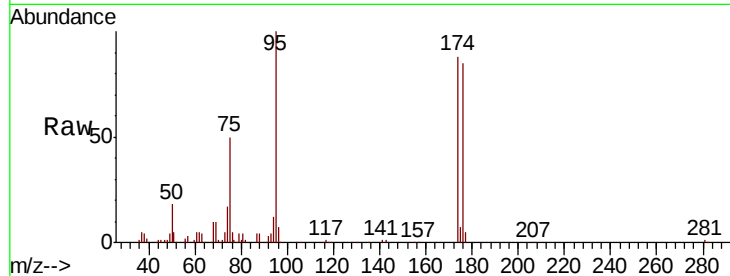




#81
trans-1,4-Dichloro-2-butene
Concen: 68.188 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059785.D
Acq: 20 Jan 2020 14:33

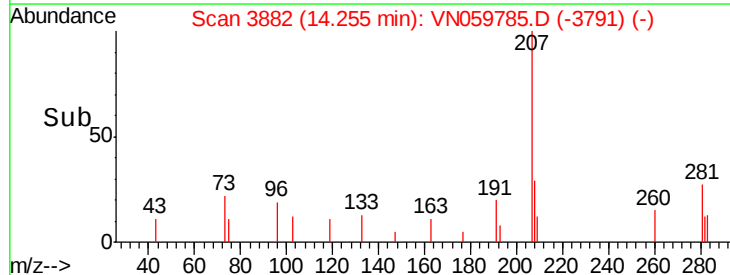
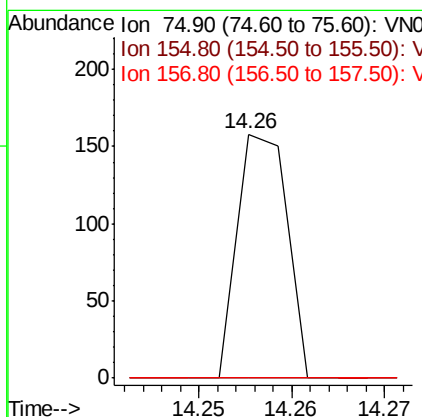
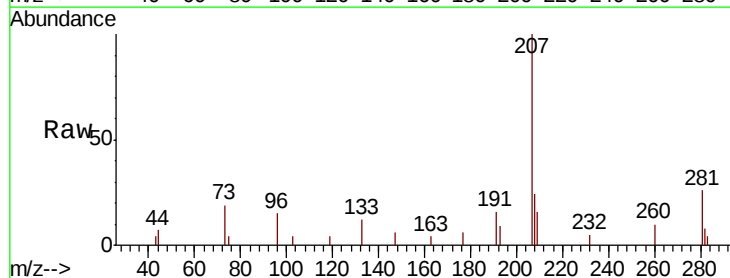
Instrument :
MSVOA_N
ClientSampleId :

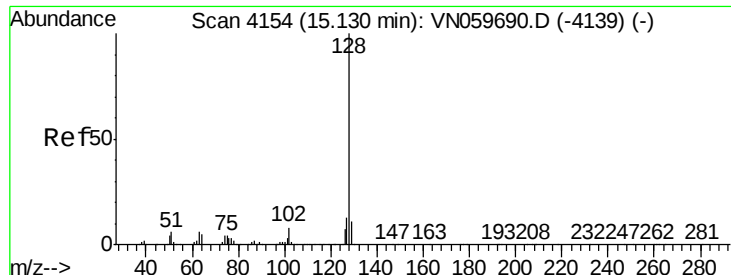
Tot Ion: 75 Resp: 61899
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.26 min Scan# 3882
Delta R.T. -0.01 min
Lab File: VN059785.D
Acq: 20 Jan 2020 14:33

Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#

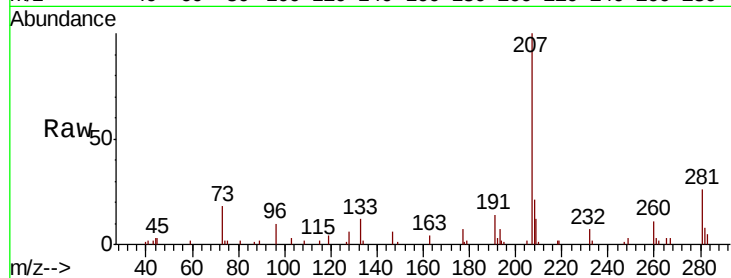




#95
Naphthalene
Concen: 0.206 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN059785.D
Acq: 20 Jan 2020 14:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	2.3	10.4	15.6#
129	0.0	8.6	12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

