

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020720\
 Data File : VN060027.D
 Acq On : 7 Feb 2020 13:29
 Operator : JC/MD
 Sample : PB126640ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 07 23:13:42 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	186398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	294028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	279787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126969	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	109413	52.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.72%	
35) Dibromofluoromethane	7.57	113	90633	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.38%	
50) Toluene-d8	10.08	98	359934	52.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.96%	
62) 4-Bromofluorobenzene	12.40	95	129460	52.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.72%	

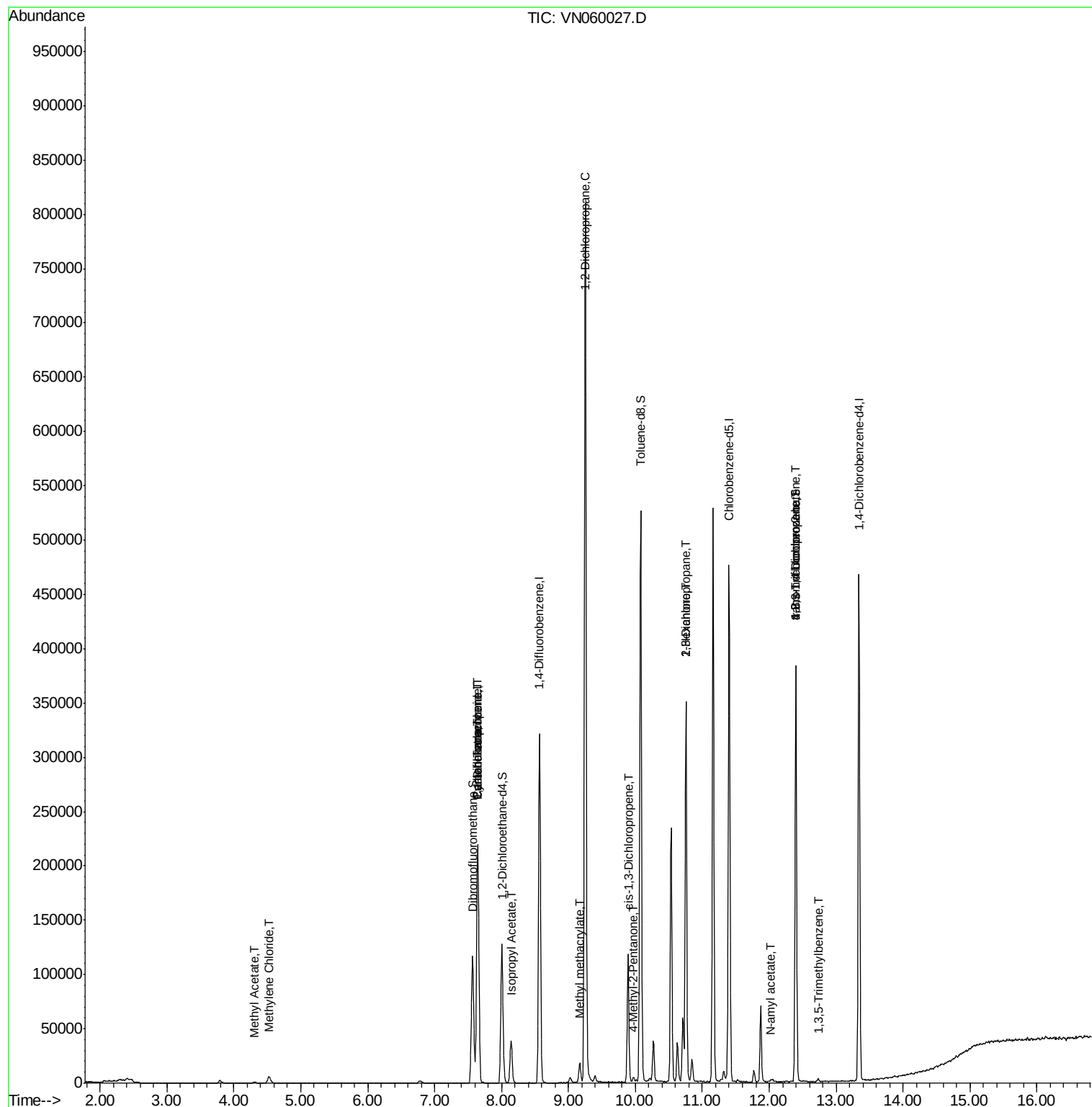
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3989	Below Cal		96
18) Methyl Acetate	4.30	43	1337	0.553	ug/l #	63
20) Methylene Chloride	4.53	84	4668	1.230	ug/l	84
31) Cyclohexane	7.64	56	3745	1.223	ug/l #	11
36) 1,1-Dichloropropene	7.64	75	13322	5.203	ug/l #	51
38) Carbon Tetrachloride	7.64	117	18298	6.570	ug/l #	16
43) Isopropyl Acetate	8.14	43	47864	11.587	ug/l #	91
45) 1,2-Dichloropropane	9.26	63	907	0.480	ug/l #	44
48) Methyl methacrylate	9.16	41	2578	1.395	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2332	0.977	ug/l #	78
54) cis-1,3-Dichloropropene	9.89	75	21639	6.857	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3673	1.211	ug/l #	42
59) 2-Hexanone	10.75	43	51197	29.103	ug/l #	54
74) N-amyl acetate	12.02	43	2499	0.692	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	66365	31.059	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2182	0.279	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	66365	66.699	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.30	75	59	Below Cal	#	6

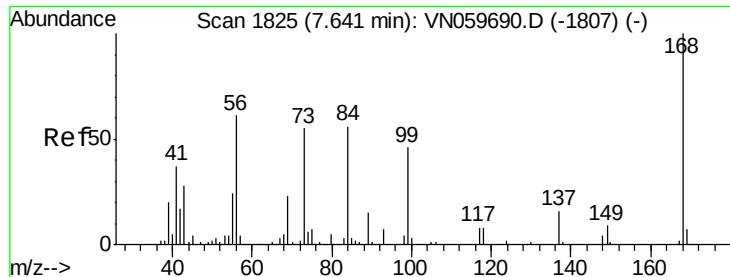
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020720\
Data File : VN060027.D
Acq On : 7 Feb 2020 13:29
Operator : JC/MD
Sample : PB126640ZHE#01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 07 23:13:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
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# 1826

Delta R.T. 0.00 min

Lab File: VN060027.D

Acq: 7 Feb 2020 13:29

Instrument :

MSVOA_N

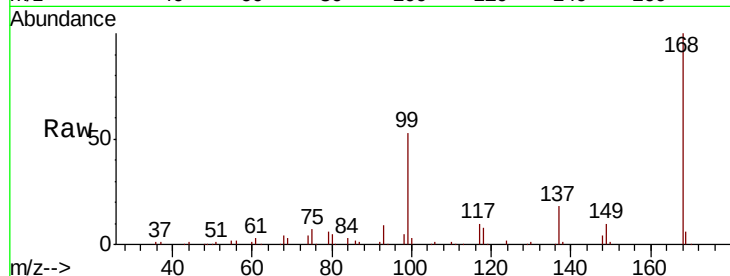
ClientSampled :

Tot Ion:168 Resp: 186398

Ion Ratio Lower Upper

168 100

99 53.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN060027.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN060027.D (-1732) (-)

7.64

80000

60000

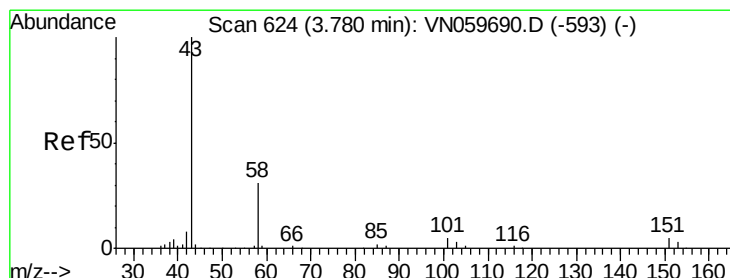
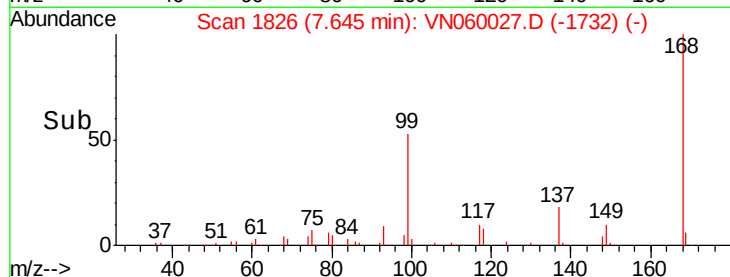
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060027.D

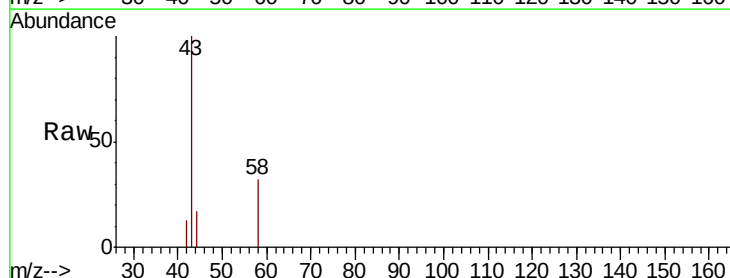
Acq: 7 Feb 2020 13:29

Tgt Ion: 43 Resp: 3989

Ion Ratio Lower Upper

43 100

58 31.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN060027.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN060027.D (-530) (-)

3.79

1500

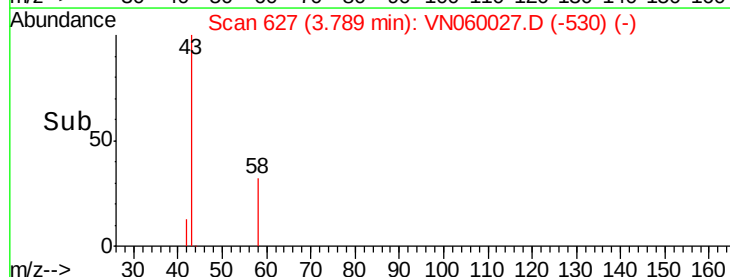
1000

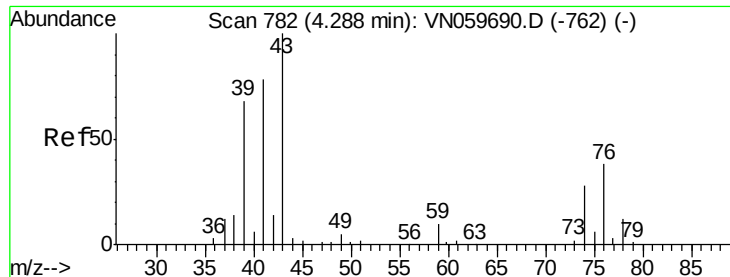
500

0

3.70 3.75 3.80 3.85

Time-->





#18

Methyl Acetate

Concen: 0.553 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN060027.D

Acq: 7 Feb 2020 13:29

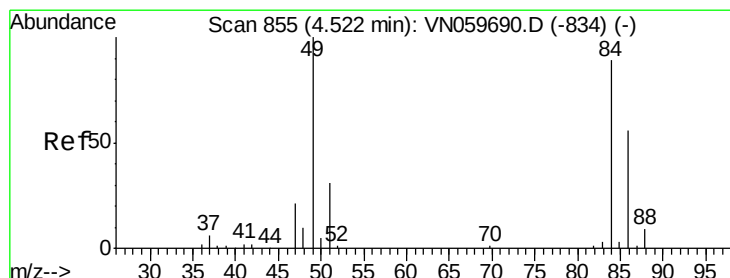
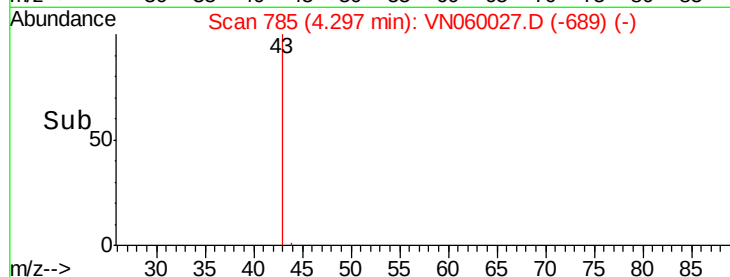
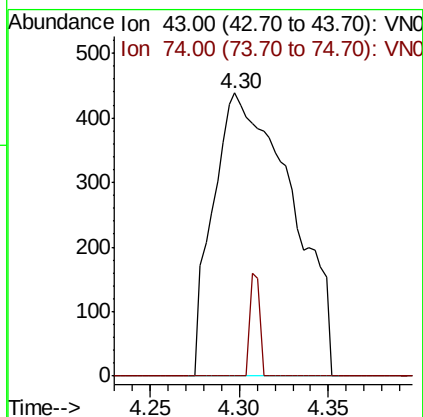
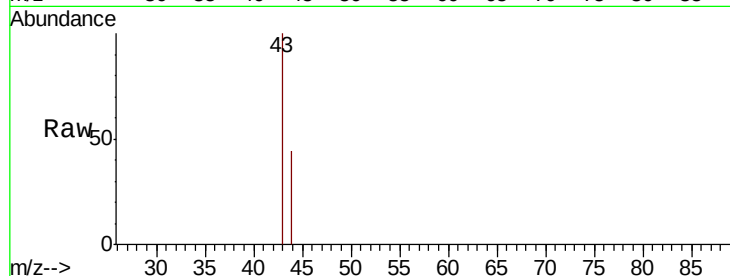
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1337

Ion Ratio Lower Upper

43 100

74 4.5 17.5 26.3#



#20

Methylene Chloride

Concen: 1.230 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.01 min

Lab File: VN060027.D

Acq: 7 Feb 2020 13:29

Tgt Ion: 84 Resp: 4668

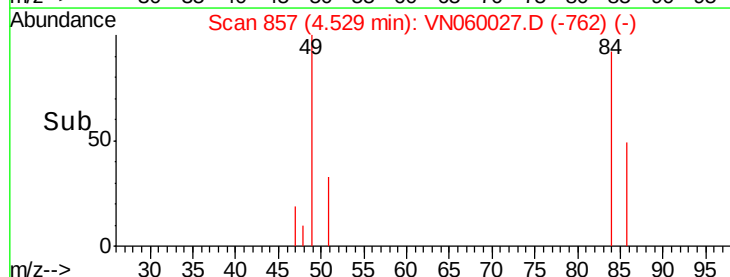
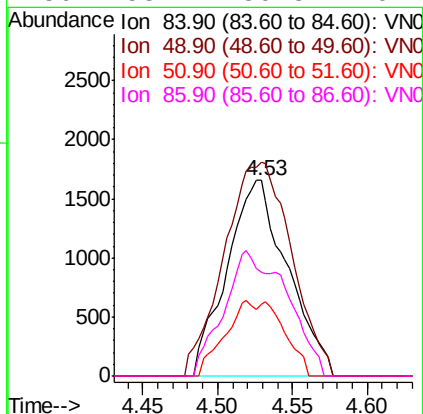
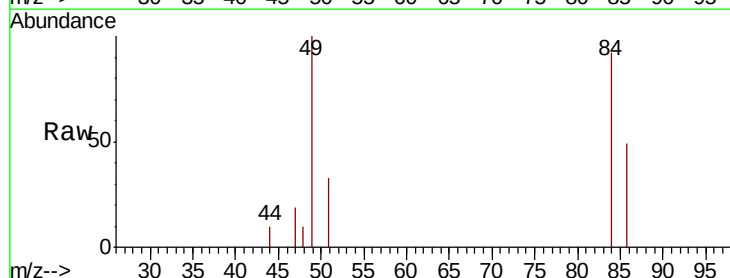
Ion Ratio Lower Upper

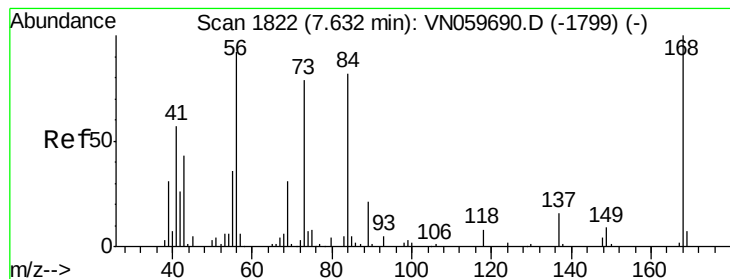
84 100

49 109.2 106.6 160.0

51 36.4 31.9 47.9

86 53.1 50.8 76.2





#31

Cyclohexane

Concen: 1.223 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060027.D

Acq: 7 Feb 2020 13:29

Instrument :

MSVOA_N

ClientSampleId :

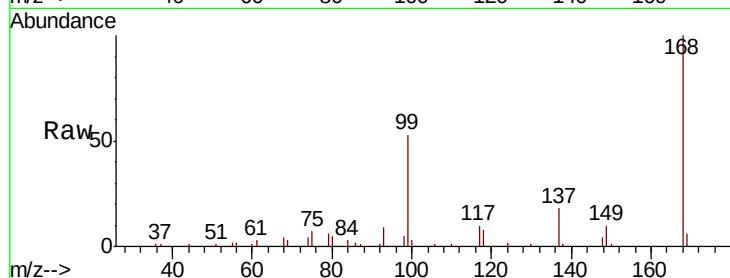
Tot Ion: 56 Resp: 3745

Ion Ratio Lower Upper

56 100

69 147.3 26.5 39.7#

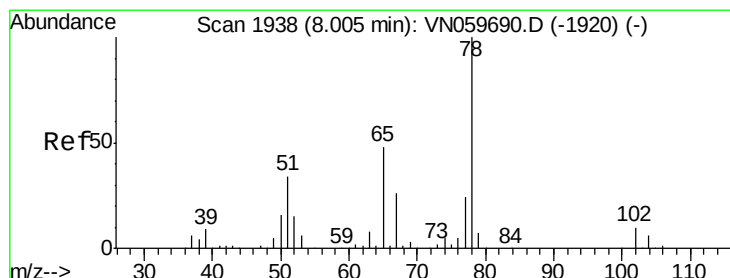
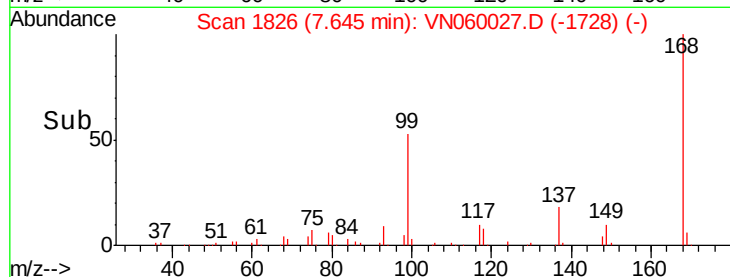
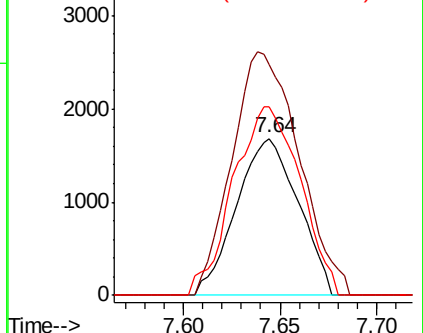
84 120.2 65.3 97.9#



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: 52.857 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060027.D

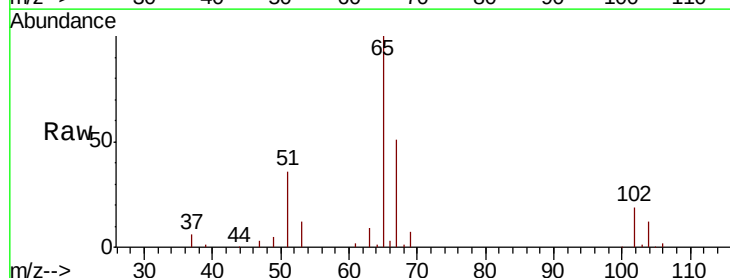
Acq: 7 Feb 2020 13:29

Tgt Ion: 65 Resp: 109413

Ion Ratio Lower Upper

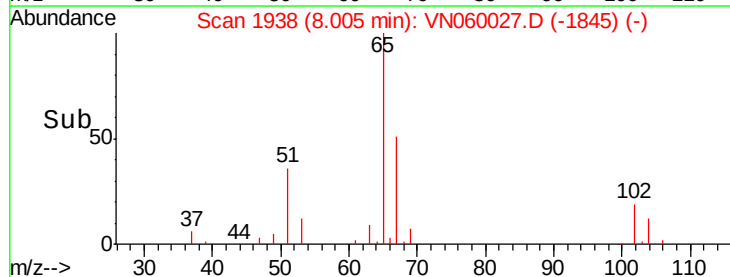
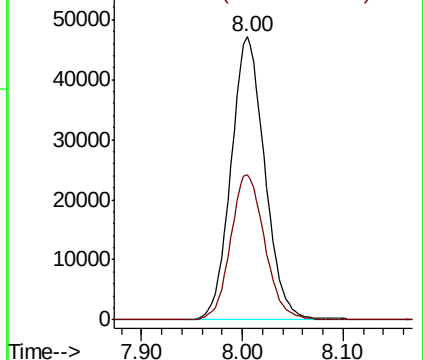
65 100

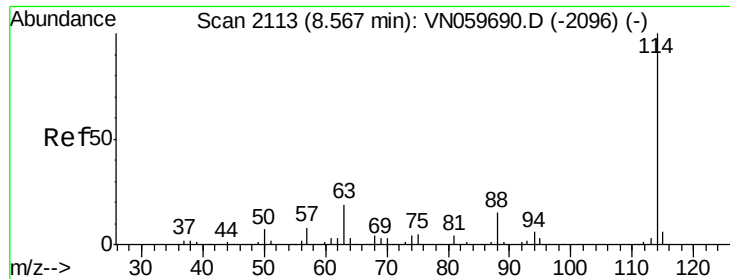
67 51.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

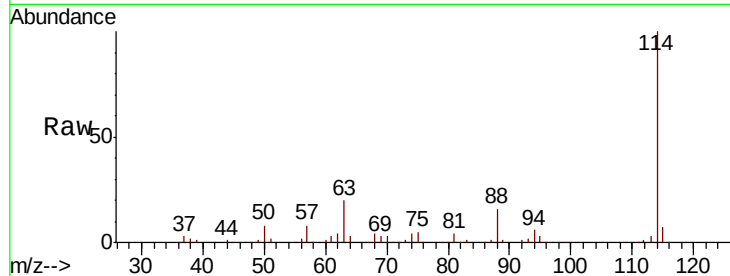




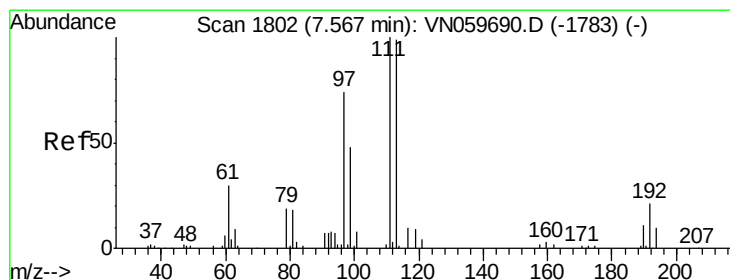
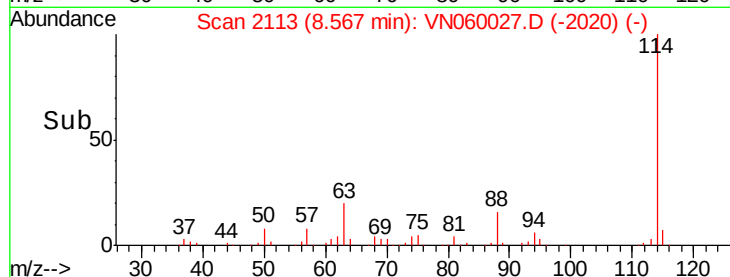
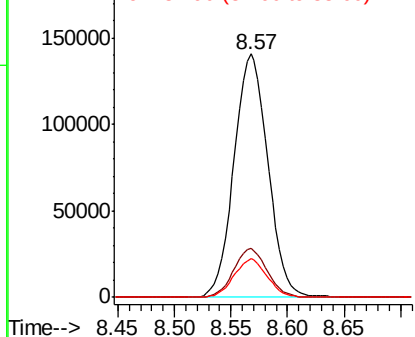
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060027.D
Acq: 7 Feb 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	43.6
88	15.7	0.0	31.4

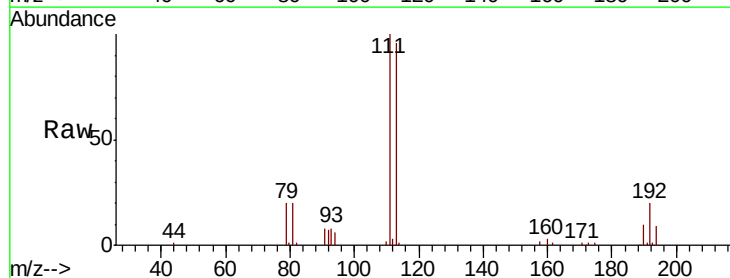


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

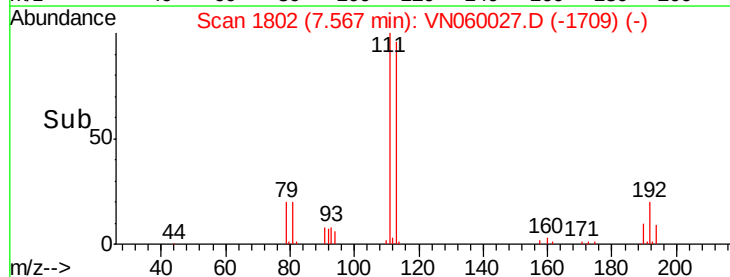
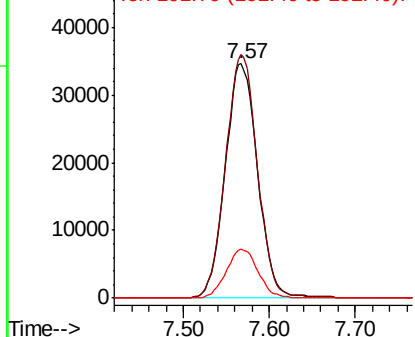


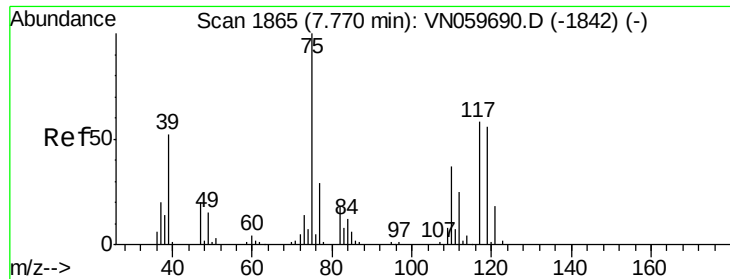
#35
Dibromofluoromethane
Concen: 51.689 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060027.D
Acq: 7 Feb 2020 13:29

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.5	125.3
192	20.3	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

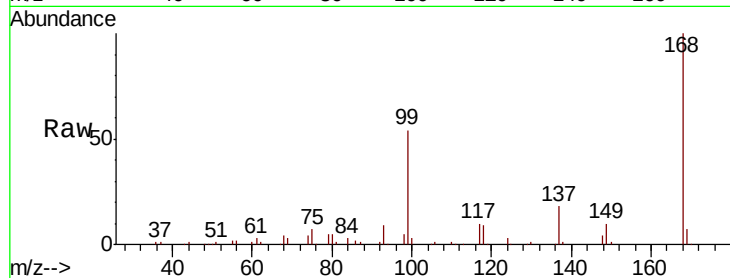




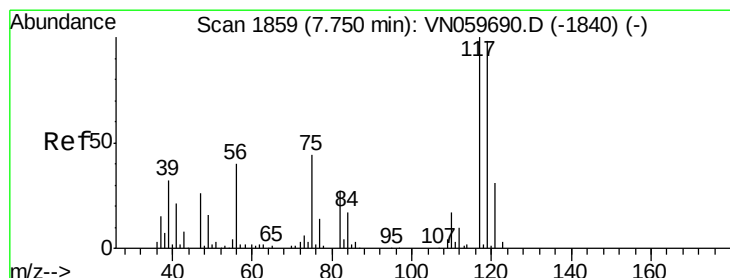
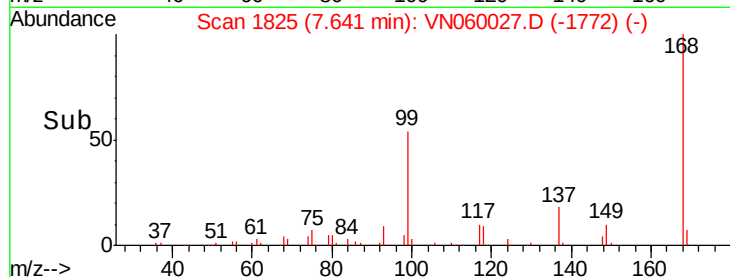
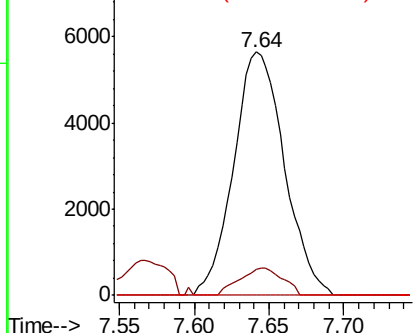
#36
 1,1-Dichloropropene
 Concen: 5.203 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060027.D
 Acq: 7 Feb 2020 13:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	75	Resp	13322
Ion Ratio	100	Lower	Upper
75	100		
110	9.5	16.6	49.7#
77	0.0	25.1	37.7#

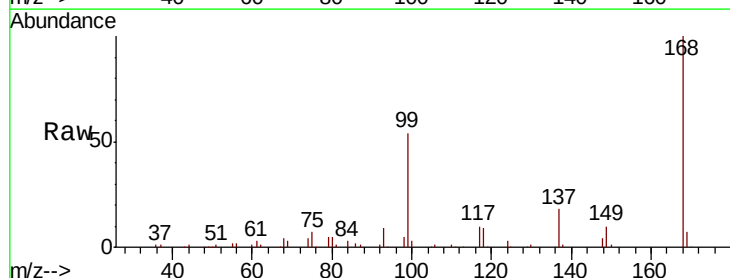


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

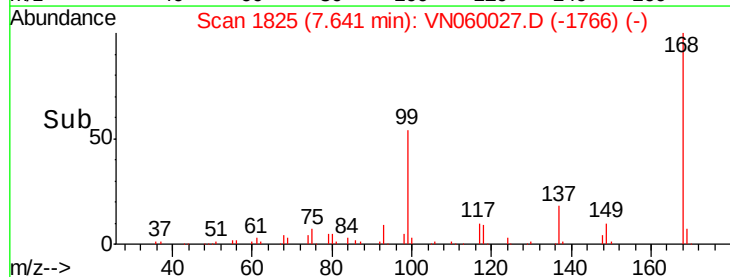
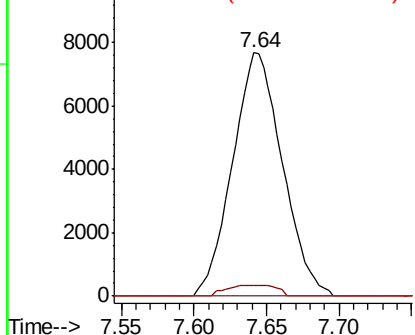


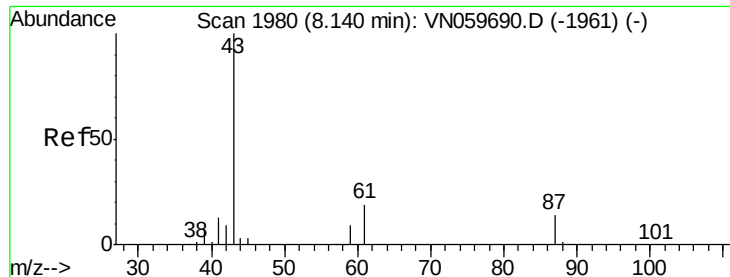
#38
 Carbon Tetrachloride
 Concen: 6.570 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060027.D
 Acq: 7 Feb 2020 13:29

Tgt Ion	117	Resp	18298
Ion Ratio	100	Lower	Upper
117	100		
119	4.4	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





#43

Isopropyl Acetate

Concen: 11.587 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060027.D

Acq: 7 Feb 2020 13:29

Instrument :

MSVOA_N

ClientSampled :

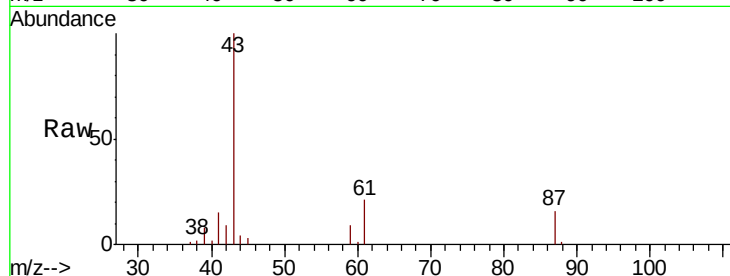
Tot Ion: 43 Resp: 47864

Ion Ratio Lower Upper

43 100

61 19.5 20.2 30.2#

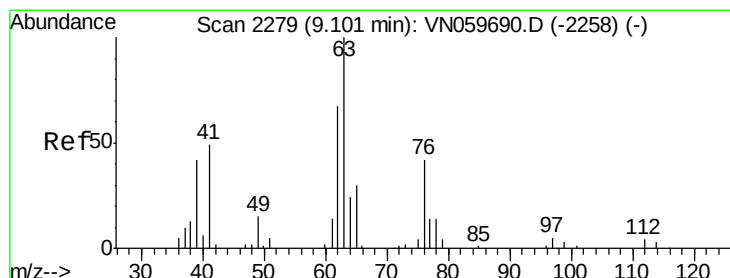
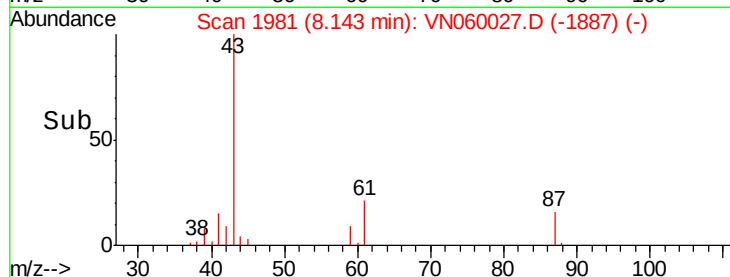
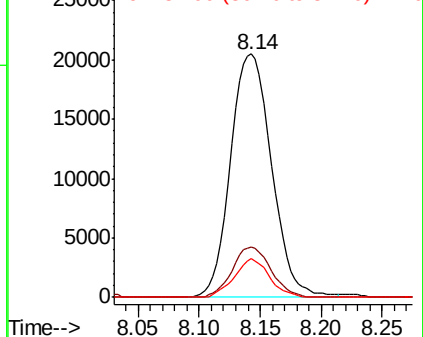
87 13.5 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.480 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN060027.D

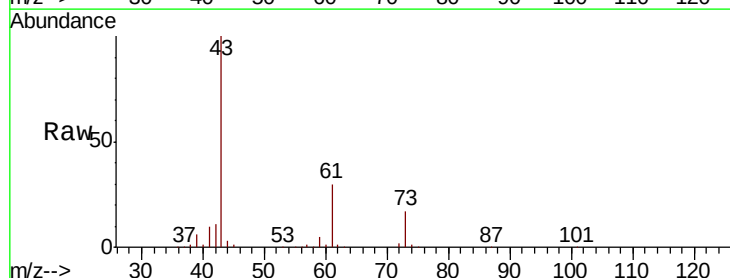
Acq: 7 Feb 2020 13:29

Tgt Ion: 63 Resp: 907

Ion Ratio Lower Upper

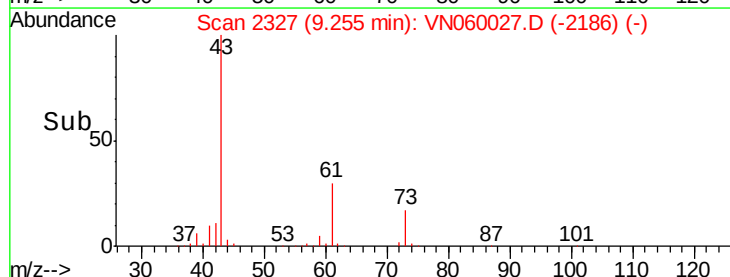
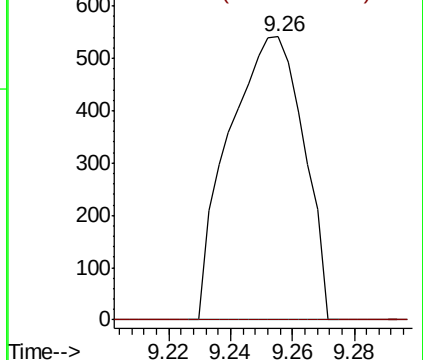
63 100

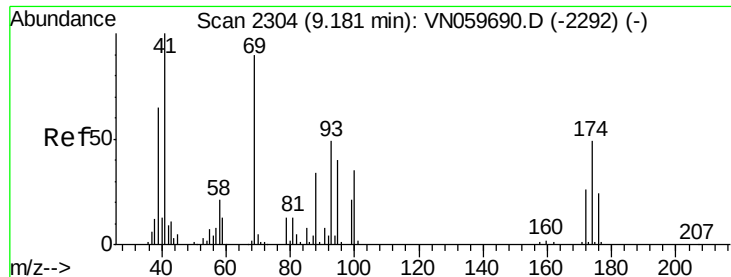
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

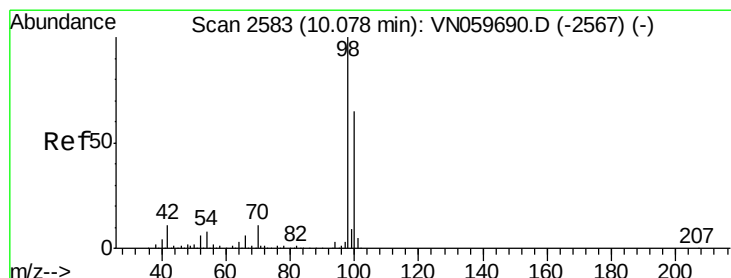
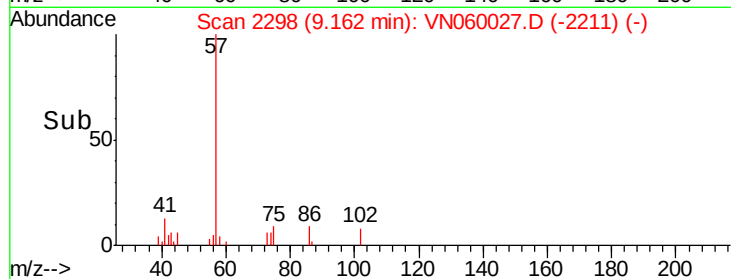
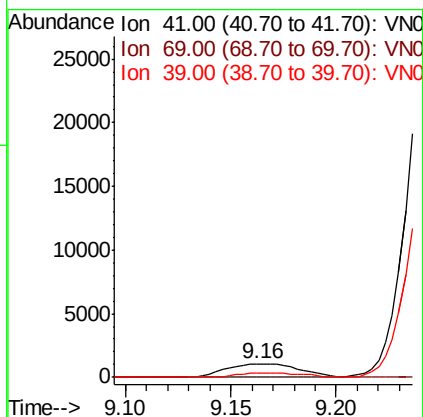
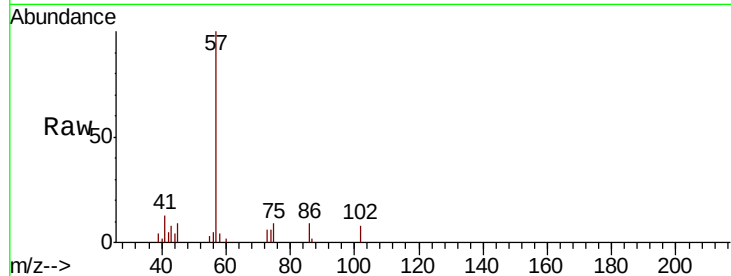




#48
Methvl methacrylate
Concen: 1.395 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060027.D
Acq: 7 Feb 2020 13:29

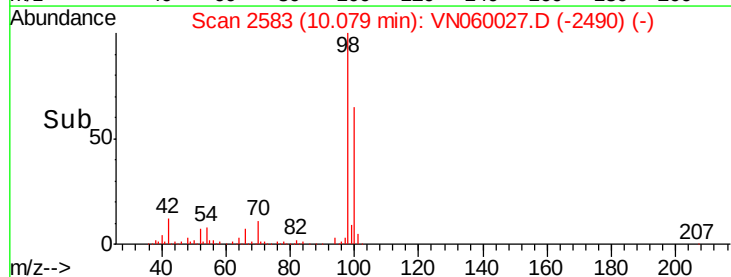
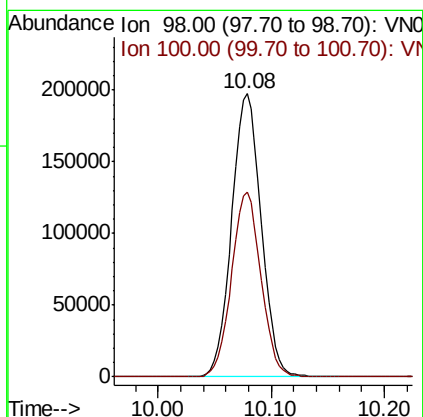
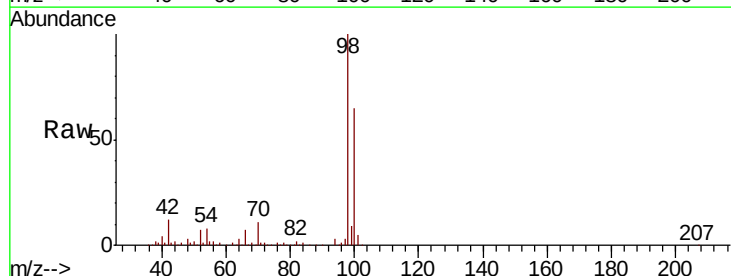
Instrument :
MSVOA_N
ClientSampled :

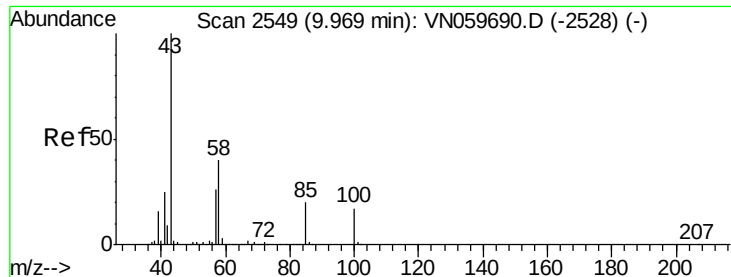
Tot Ion: 41 Resp: 2578
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 52.981 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060027.D
Acq: 7 Feb 2020 13:29

Tgt Ion: 98 Resp: 359934
Ion Ratio Lower Upper
98 100
100 64.7 51.2 76.8

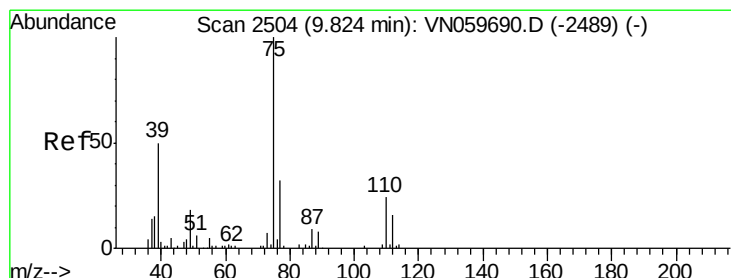
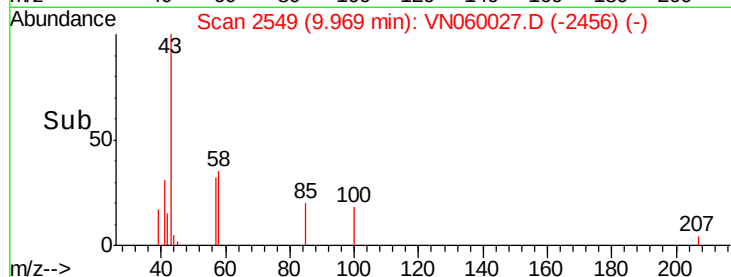
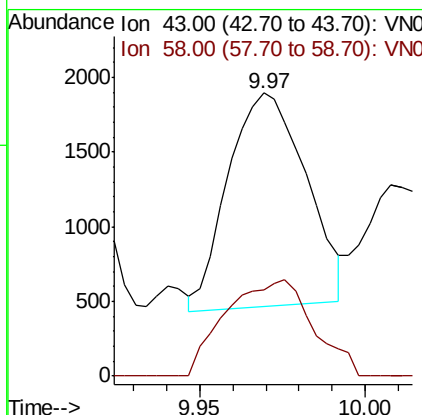
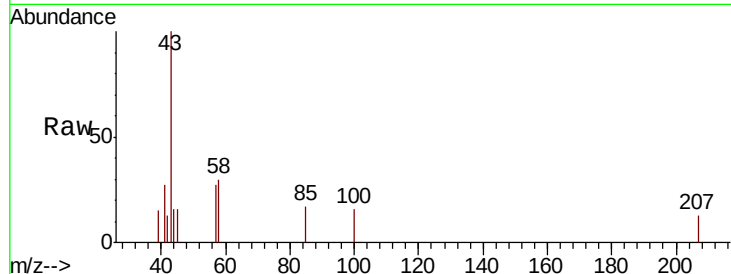




#51
4-Methyl-2-Pentanone
Concen: 0.977 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060027.D
Acq: 7 Feb 2020 13:29

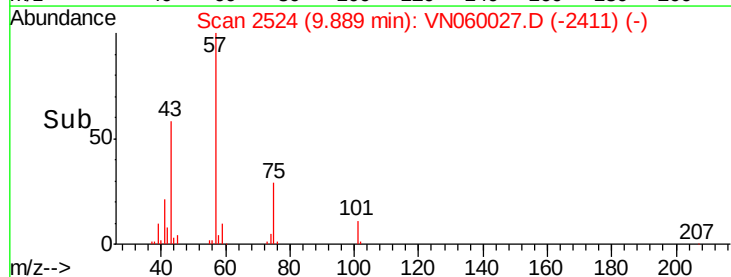
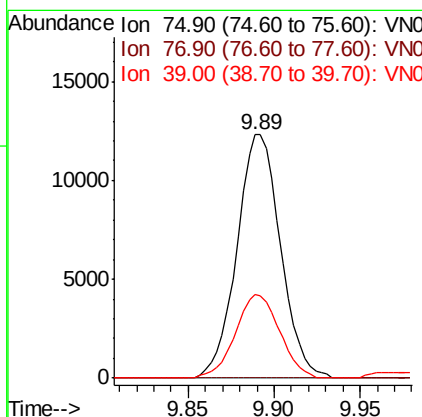
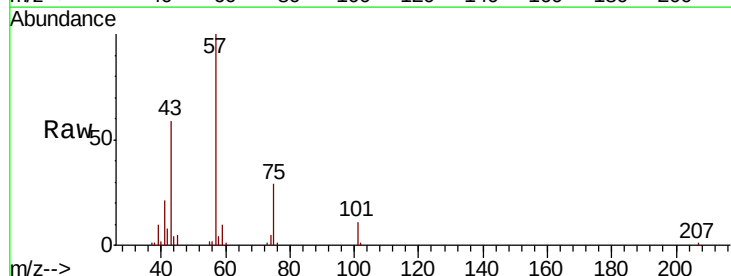
Instrument :
MSVOA_N
ClientSampled :

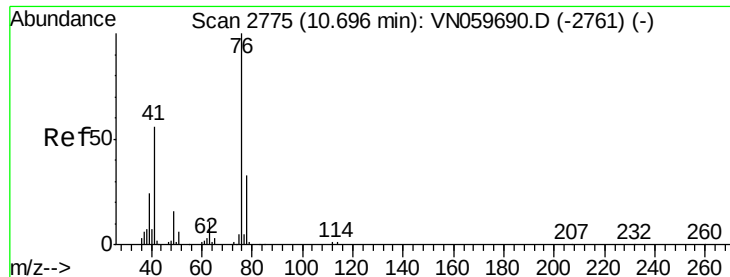
Tot Ion: 43 Resp: 2332
Ion Ratio Lower Upper
43 100
58 50.6 29.8 44.8#



#54
cis-1,3-Dichloropropene
Concen: 6.857 ug/l
RT: 9.89 min Scan# 2524
Delta R.T. 0.06 min
Lab File: VN060027.D
Acq: 7 Feb 2020 13:29

Tgt Ion: 75 Resp: 21639
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 34.5 46.1 69.1#





#57

1,3-Dichloropropane

Concen: 1.211 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060027.D

Acq: 7 Feb 2020 13:29

Instrument :

MSVOA_N

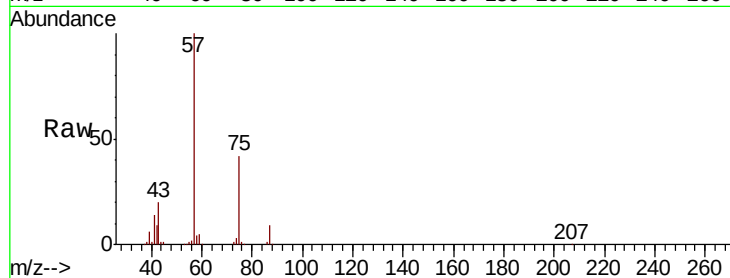
ClientSampled :

Tot Ion: 76 Resp: 3673

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

10.75

2000

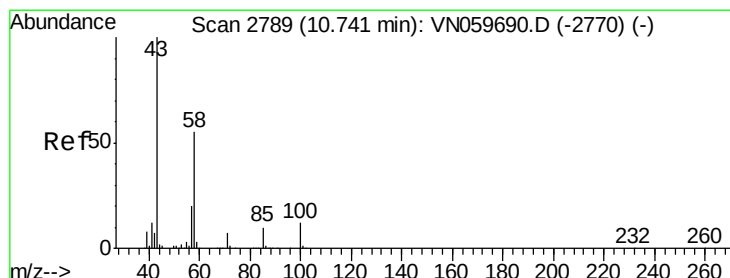
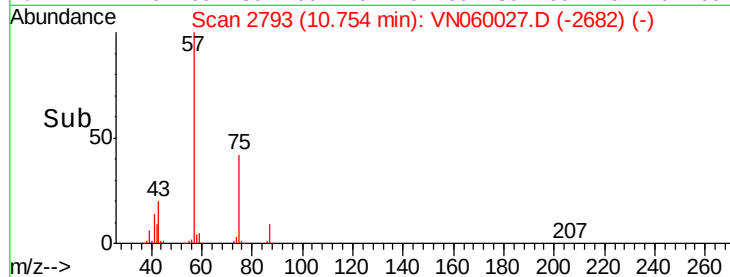
1500

1000

500

0

Time--> 10.70 10.75 10.80



#59

2-Hexanone

Concen: 29.103 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060027.D

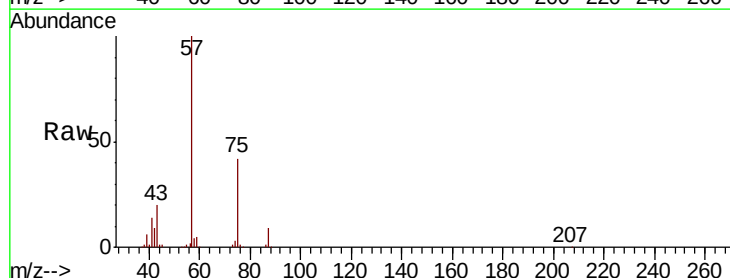
Acq: 7 Feb 2020 13:29

Tgt Ion: 43 Resp: 51197

Ion Ratio Lower Upper

43 100

58 19.3 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

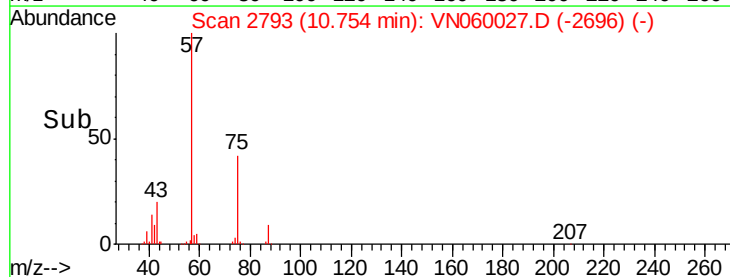
30000

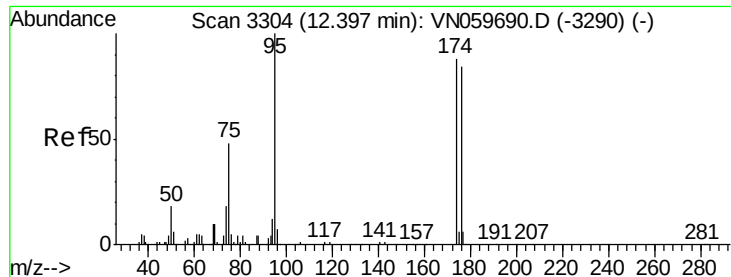
20000

10000

0

Time--> 10.70 10.75 10.80





#62

4-Bromofluorobenzene

Concen: 52.860 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060027.D

Acq: 7 Feb 2020 13:29

Instrument :

MSVOA_N

ClientSampled :

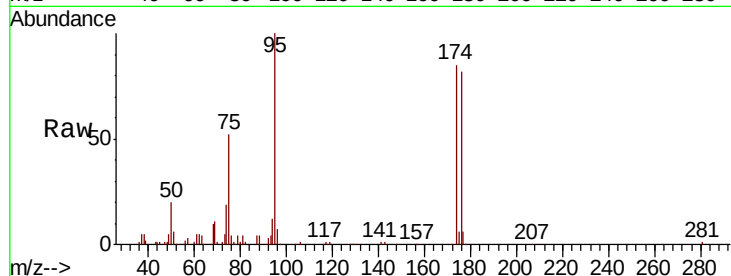
Tot Ion: 95 Resp: 129460

Ion Ratio Lower Upper

95 100

174 85.7 0.0 151.4

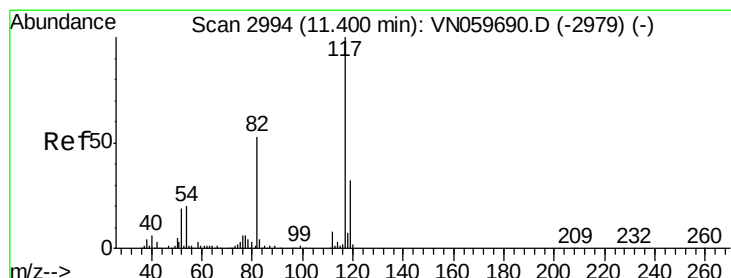
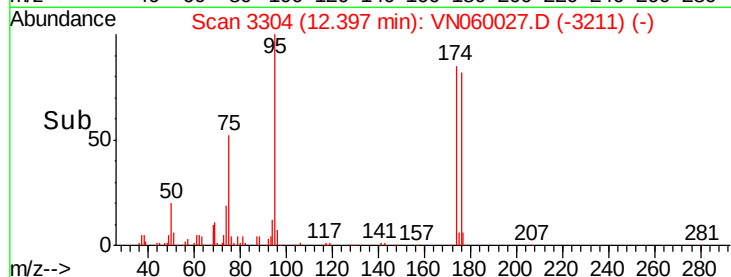
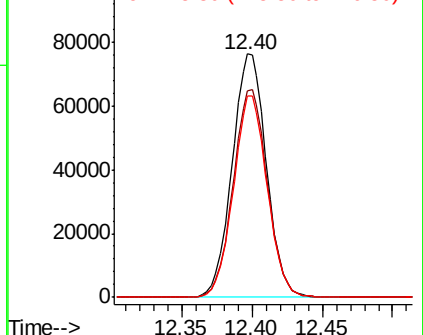
176 82.1 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN060027.D (-2901) (-)

Ion 173.80 (173.50 to 174.50): VN060027.D (-2901) (-)

Ion 175.80 (175.50 to 176.50): VN060027.D (-2901) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060027.D

Acq: 7 Feb 2020 13:29

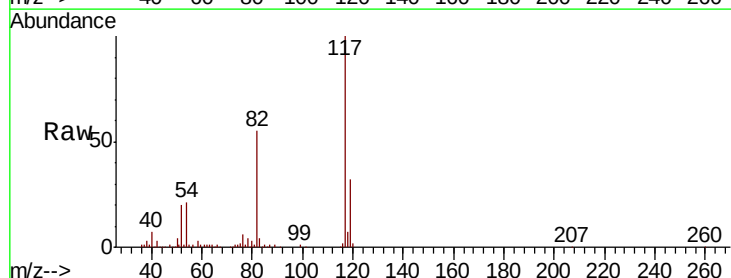
Tgt Ion: 117 Resp: 279787

Ion Ratio Lower Upper

117 100

82 54.8 45.9 68.9

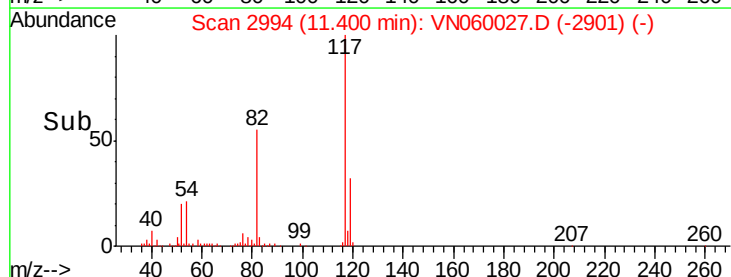
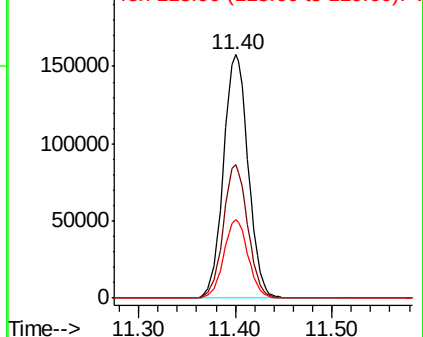
119 32.1 25.5 38.3

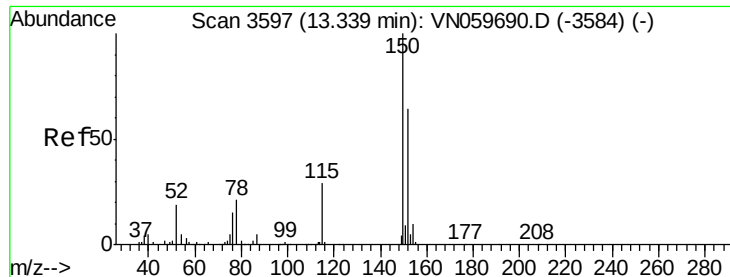


Abundance Ion 116.90 (116.60 to 117.60): VN060027.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060027.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060027.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060027.D

Acq: 7 Feb 2020 13:29

Instrument :

MSVOA_N

ClientSampleId :

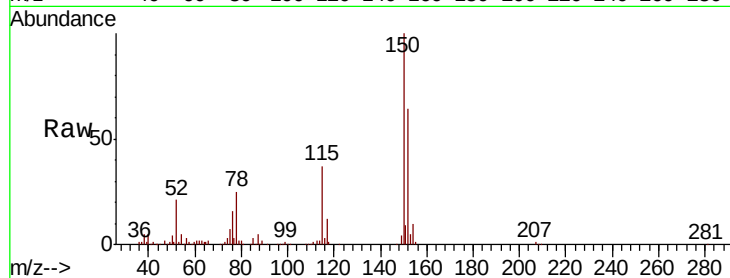
Tot Ion:152 Resp: 126969

Ion Ratio Lower Upper

152 100

115 58.1 30.3 90.9

150 155.7 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

150000

100000

50000

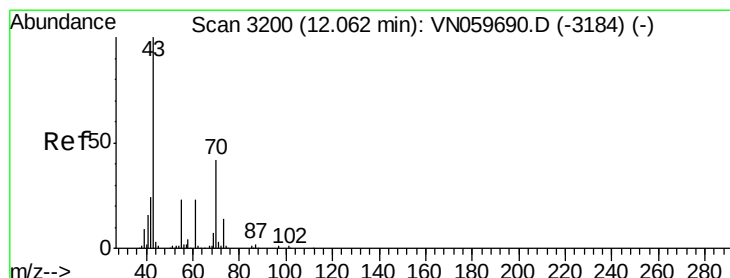
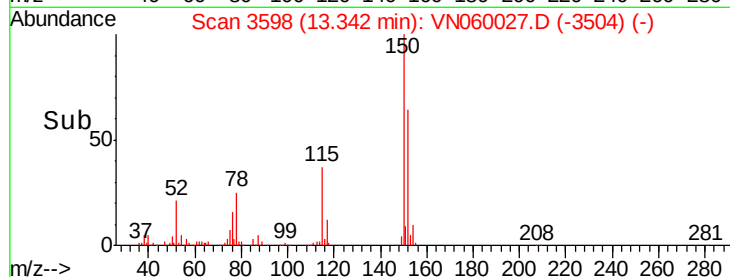
0

13.34

13.30

13.40

Time-->



#74

N-ethyl acetate

Concen: 0.692 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060027.D

Acq: 7 Feb 2020 13:29

Tgt Ion: 43 Resp: 2499

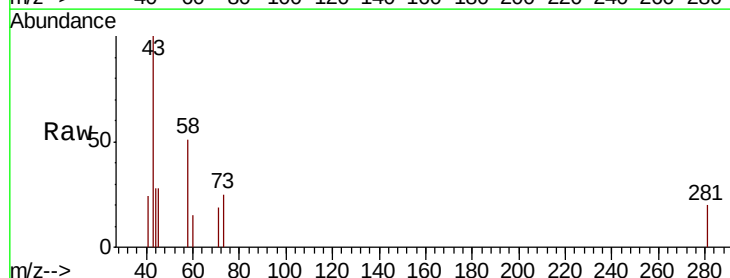
Ion Ratio Lower Upper

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

1500

1000

500

0

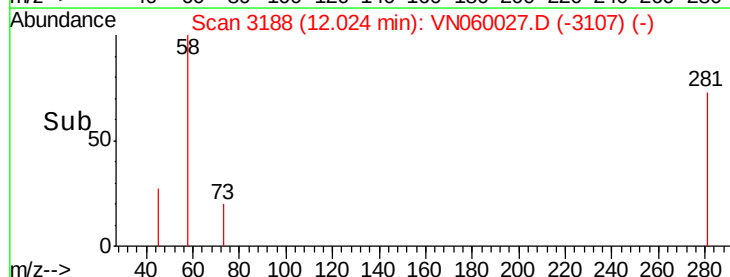
12.02

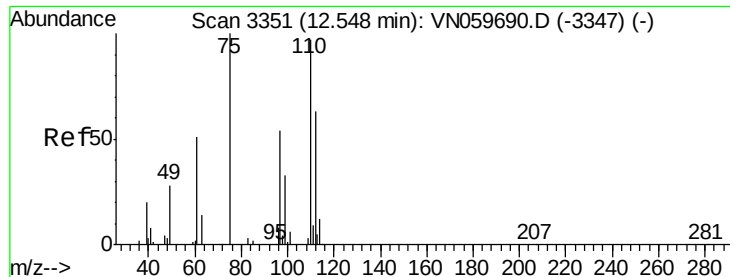
11.95

12.05

12.10

Time-->





#76

1,2,3-Trichloropropane

Concen: 31.059 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060027.D

Acq: 7 Feb 2020 13:29

Instrument :

MSVOA_N

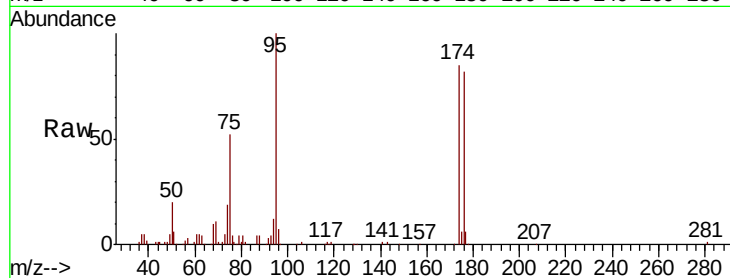
ClientSampled :

Tot Ion: 75 Resp: 66365

Ion Ratio Lower Upper

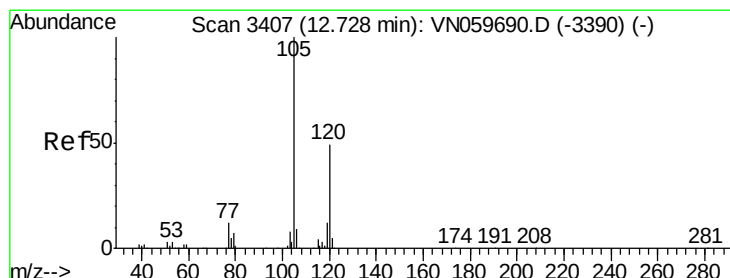
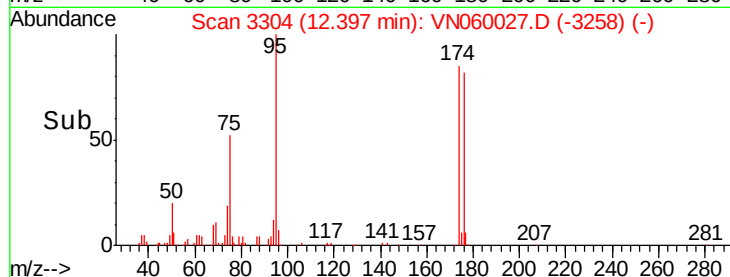
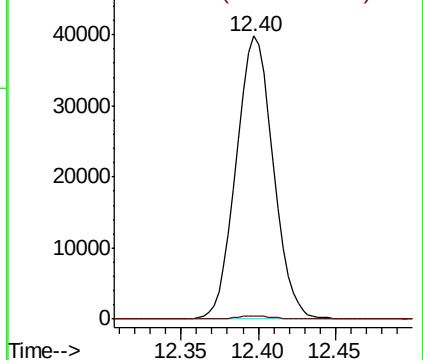
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.279 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060027.D

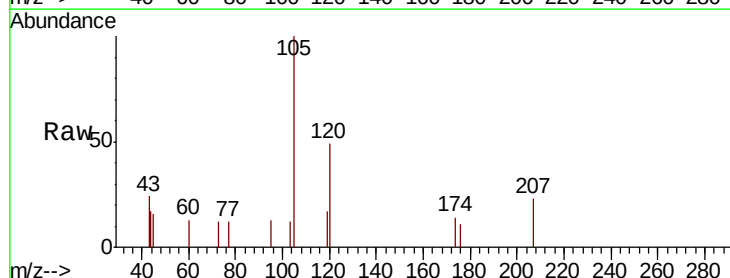
Acq: 7 Feb 2020 13:29

Tgt Ion: 105 Resp: 2182

Ion Ratio Lower Upper

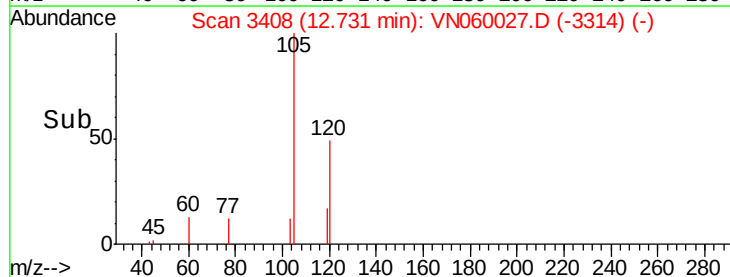
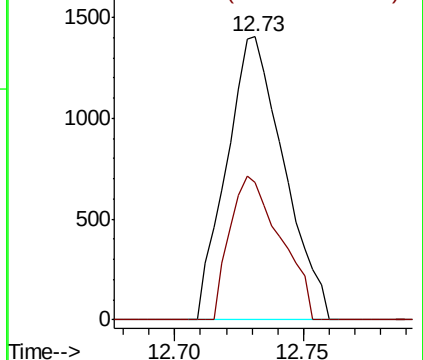
105 100

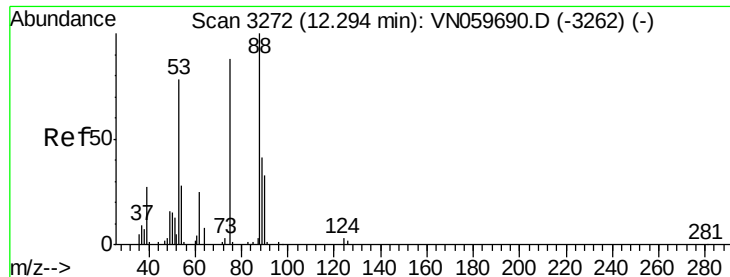
120 44.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

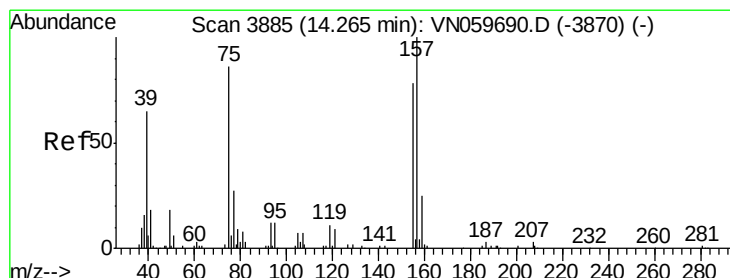
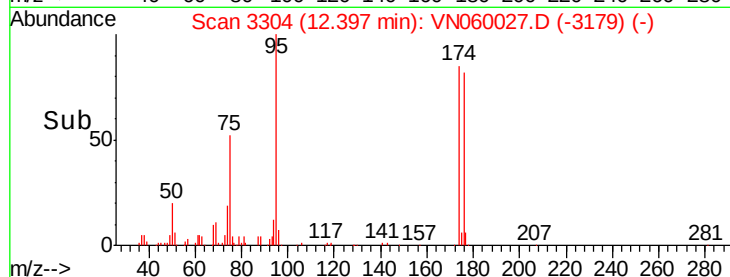
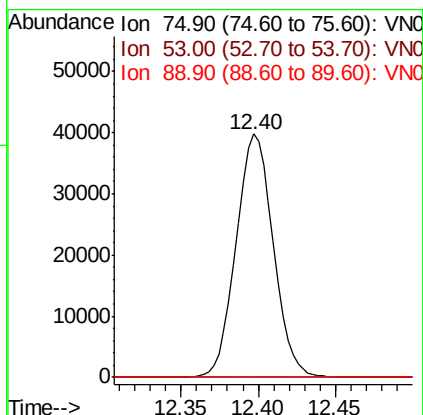
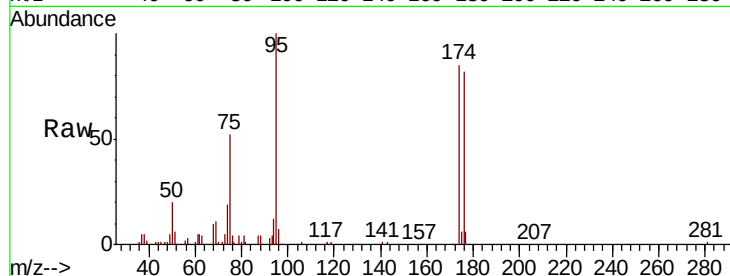




#81
trans-1,4-Dichloro-2-butene
Concen: 66.699 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060027.D
Acq: 7 Feb 2020 13:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 66365
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: 14.30 min Scan# 3896
Delta R.T. 0.04 min
Lab File: VN060027.D
Acq: 7 Feb 2020 13:29

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#

