

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060677.D
 Acq On : 24 Mar 2020 17:07
 Operator : JC/MD
 Sample : PB127757ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 03:55:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	194708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	325438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142508	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	129016	48.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.54%	
35) Dibromofluoromethane	7.57	113	97295	49.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.88%	
50) Toluene-d8	10.08	98	403246	50.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	152922	51.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.82%	

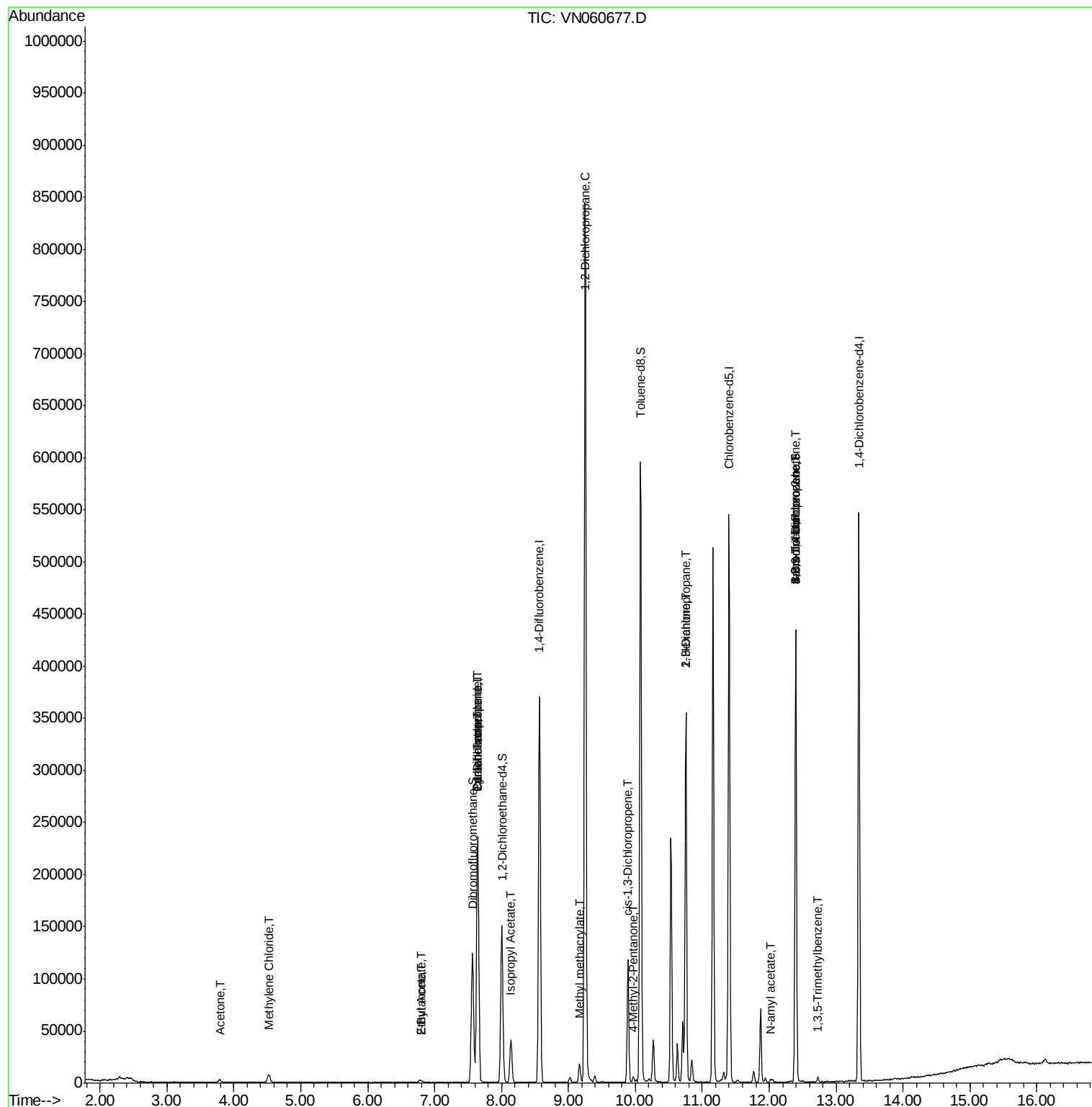
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5080	5.365	ug/l	94
20) Methylene Chloride	4.52	84	5906	2.536	ug/l	96
25) 2-Butanone	6.80	43	2521	1.645	ug/l	92
31) Cyclohexane	7.64	56	3920	0.911	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15384	4.882	ug/l #	50
37) Ethyl Acetate	6.80	43	2521	0.740	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18917	6.698	ug/l #	16
43) Isopropyl Acetate	8.14	43	49748	8.859	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	964	0.384	ug/l #	43
48) Methyl methacrylate	9.16	41	2727	1.091	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3776	1.182	ug/l #	87
54) cis-1,3-Dichloropropene	9.89	75	20810	5.237	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	3352	0.874	ug/l #	42
59) 2-Hexanone	10.75	43	52817	22.945	ug/l #	52
71) Bromoform	12.39	173	287	1.831	ug/l #	1
74) N-amyl acetate	12.02	43	2038	0.412	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	76510	24.881	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2699	0.297	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	76510	63.902	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.47	75	97	Below Cal	#	3

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

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QLast Update : Wed Mar 18 08:49:09 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: VN060677.D

Acq: 24 Mar 2020 17:07

Instrument :

MSVOA_N

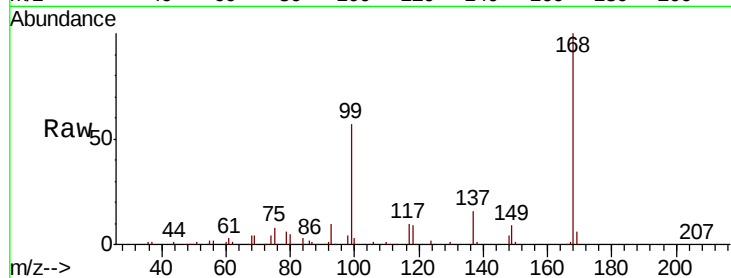
ClientSampleId :

Tot Ion:168 Resp: 194708

Ion Ratio Lower Upper

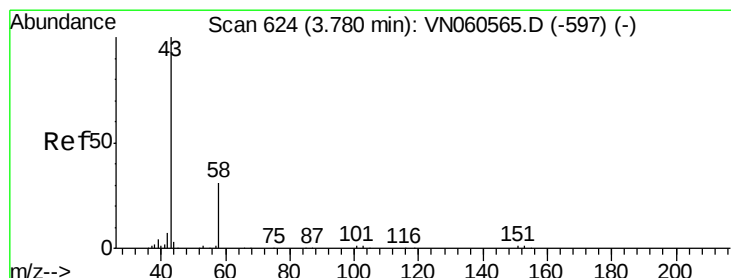
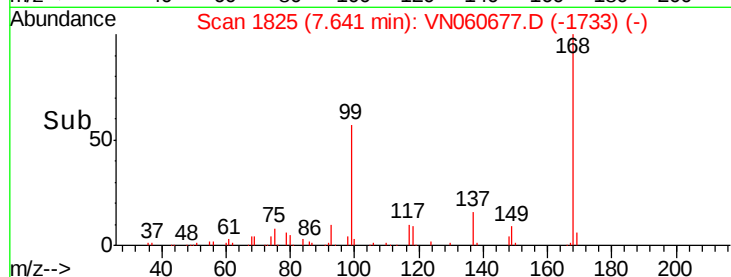
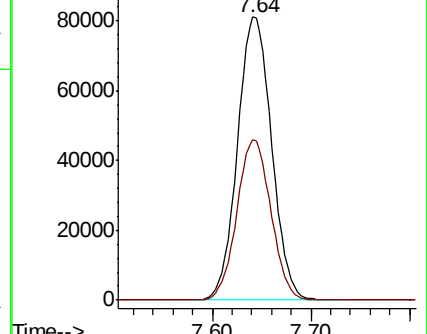
168 100

99 56.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 5.365 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060677.D

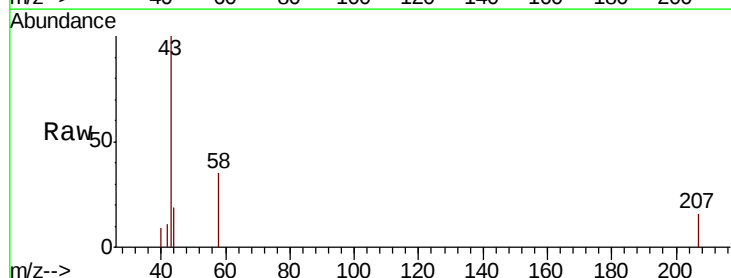
Acq: 24 Mar 2020 17:07

Tgt Ion: 43 Resp: 5080

Ion Ratio Lower Upper

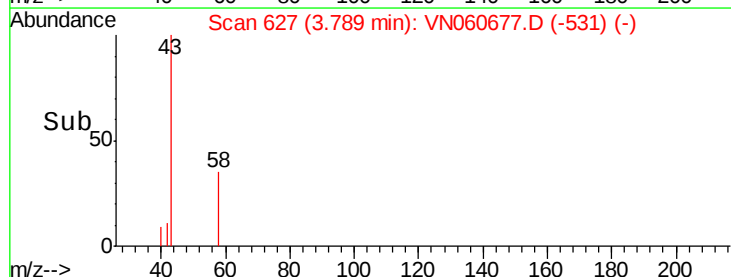
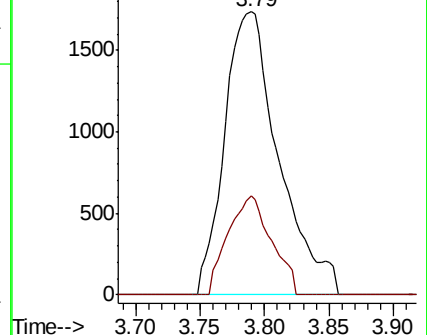
43 100

58 35.0 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

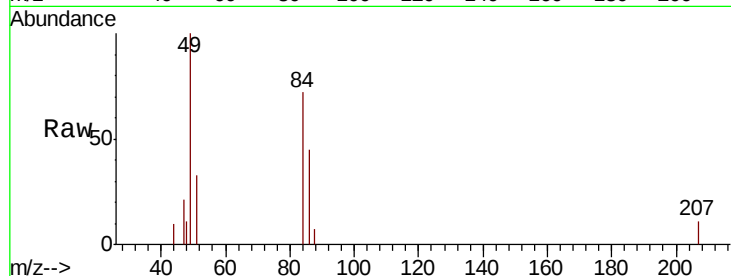




#20
Methvlene Chloride
Concen: 2.536 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060677.D
Acq: 24 Mar 2020 17:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	5906
Ion	Ratio	Lower	Upper
84	100		
49	131.8	103.3	154.9
51	45.4	31.6	47.4
86	62.5	52.0	78.0



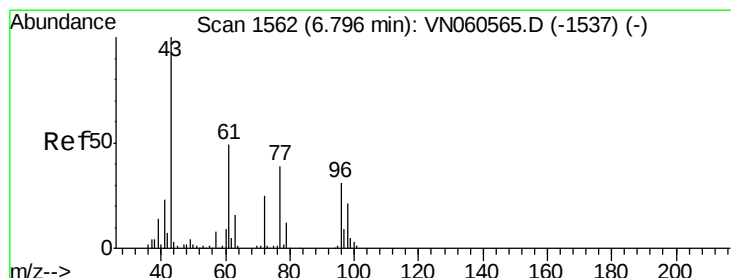
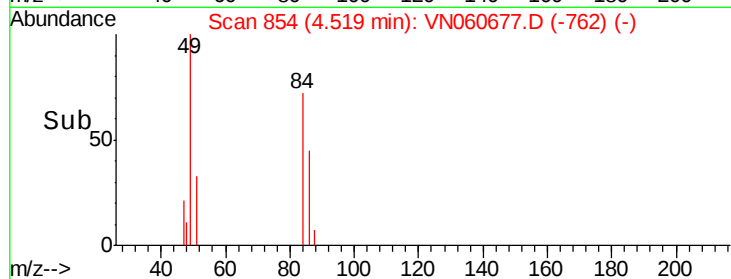
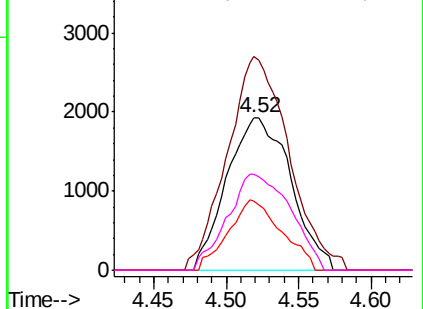
Abundance

Ion 83.90 (83.60 to 84.60): VN060677.D (-762) (-)

Ion 48.90 (48.60 to 49.60): VN060677.D (-762) (-)

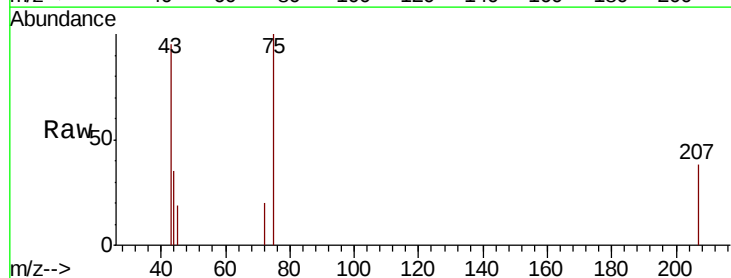
Ion 50.90 (50.60 to 51.60): VN060677.D (-762) (-)

Ion 85.90 (85.60 to 86.60): VN060677.D (-762) (-)



#25
2-Butanone
Concen: 1.645 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN060677.D
Acq: 24 Mar 2020 17:07

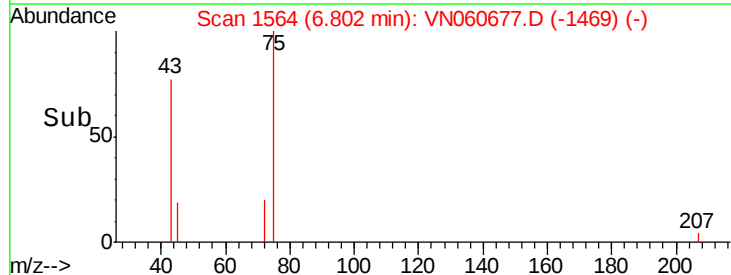
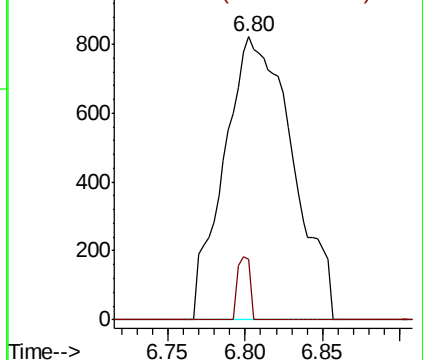
Tgt Ion:	43	Resp:	2521
Ion	Ratio	Lower	Upper
43	100		
72	21.3	20.4	30.6

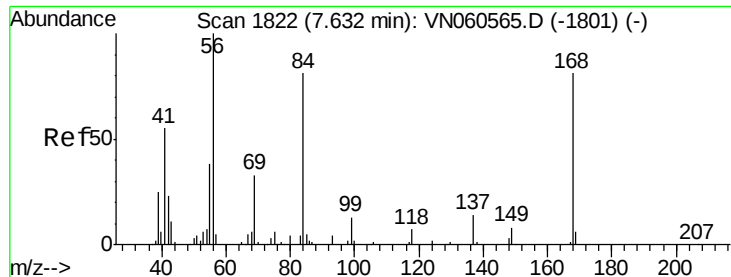


Abundance

Ion 43.00 (42.70 to 43.70): VN060677.D (-1469) (-)

Ion 72.00 (71.70 to 72.70): VN060677.D (-1469) (-)

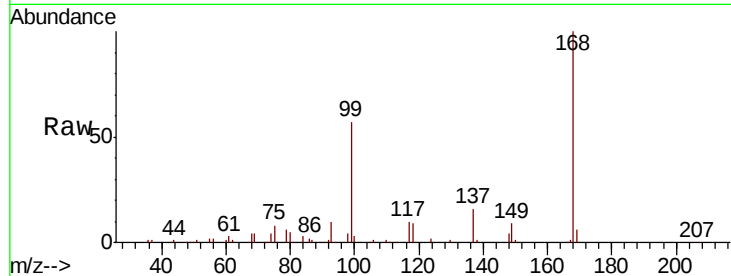




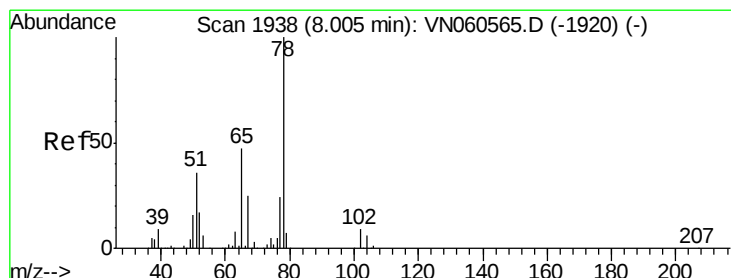
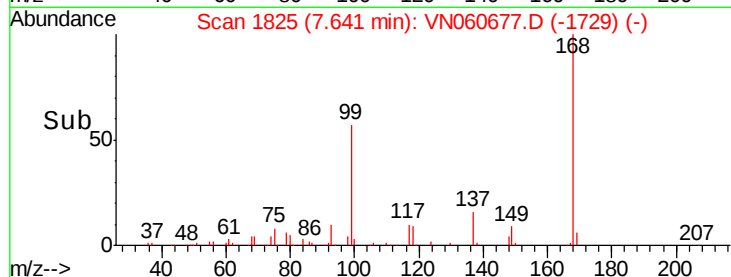
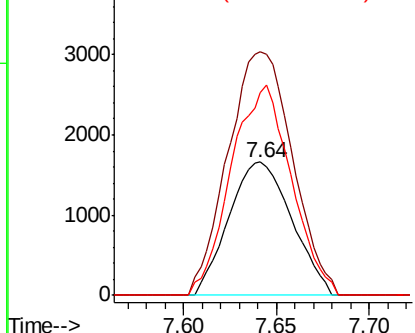
#31
Cyclohexane
Concen: 0.911 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060677.D
Acq: 24 Mar 2020 17:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3920
Ion Ratio Lower Upper
56 100
69 183.1 26.6 40.0#
84 152.8 64.3 96.5#

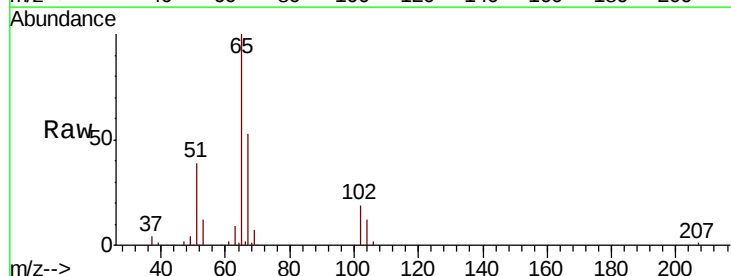


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

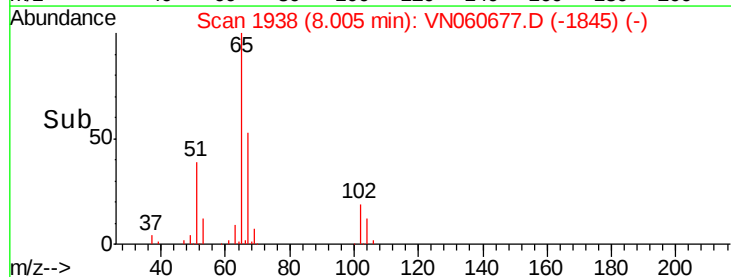
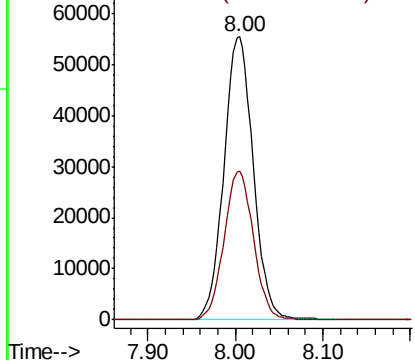


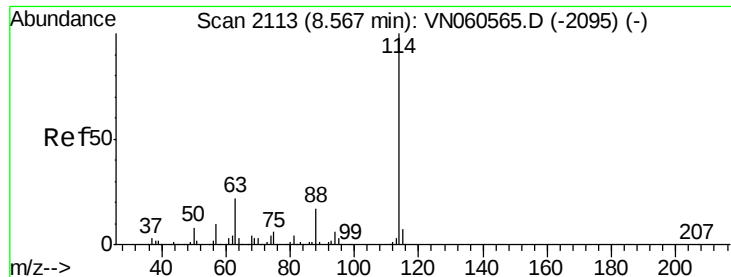
#33
1,2-Dichloroethane-d4
Concen: 48.268 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN060677.D
Acq: 24 Mar 2020 17:07

Tgt Ion: 65 Resp: 129016
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.6



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

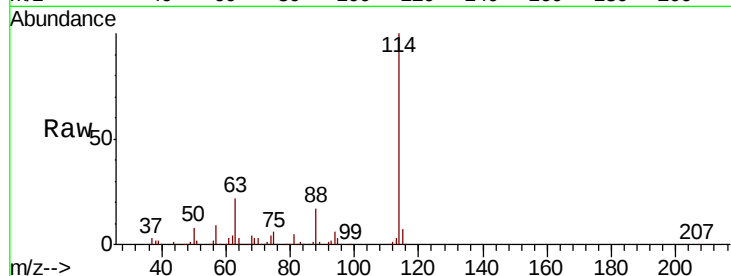




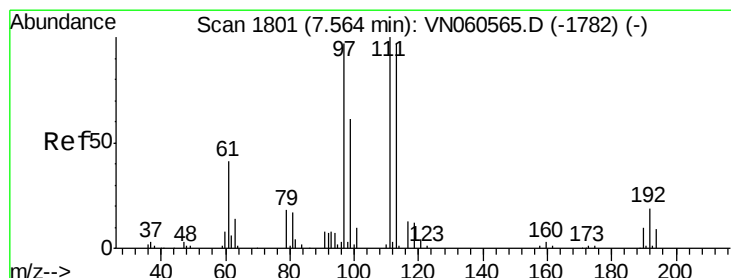
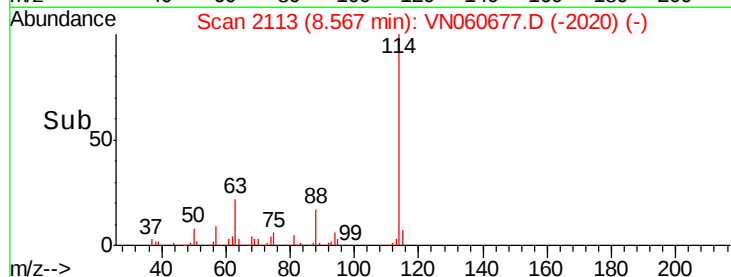
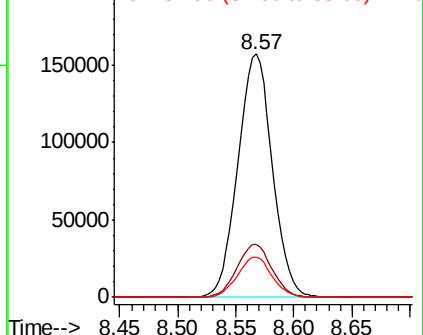
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060677.D
 Acq: 24 Mar 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	16.7	0.0	33.0

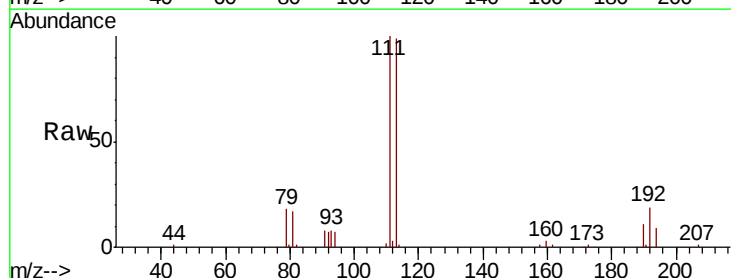


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

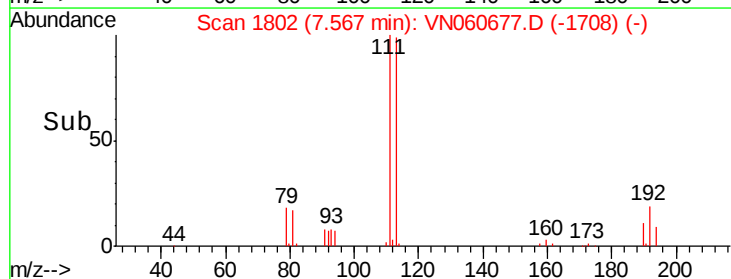
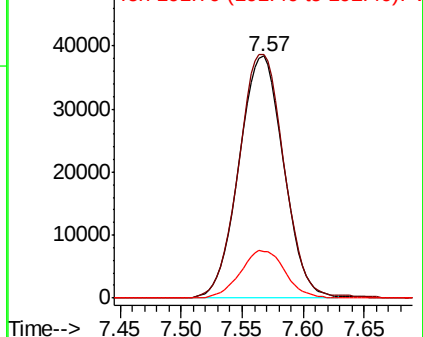


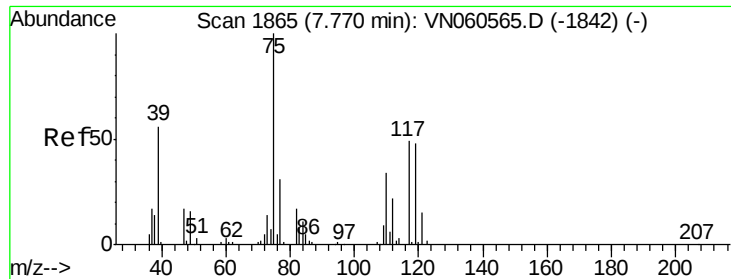
#35
 Dibromofluoromethane
 Concen: 49.443 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060677.D
 Acq: 24 Mar 2020 17:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	19.7	15.8	23.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.882 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060677.D

Acq: 24 Mar 2020 17:07

Instrument :

MSVOA_N

ClientSampled :

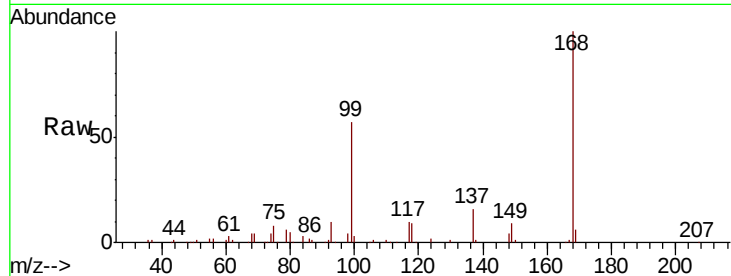
Tot Ion: 75 Resp: 15384

Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.6#

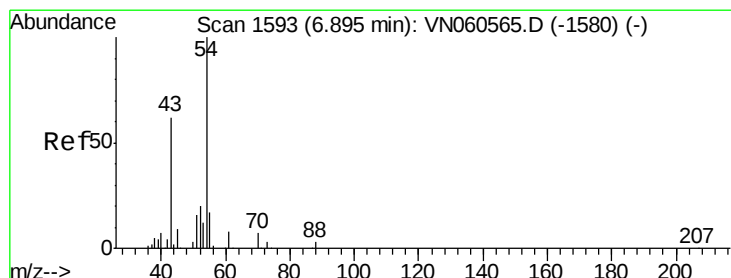
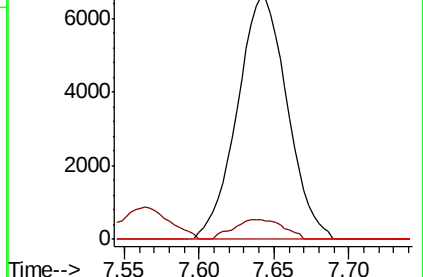
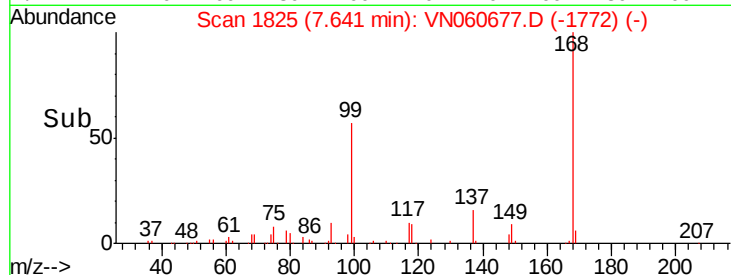
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN060677.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060677.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060677.D (-1772) (-)



#37

Ethyl Acetate

Concen: 0.740 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.09 min

Lab File: VN060677.D

Acq: 24 Mar 2020 17:07

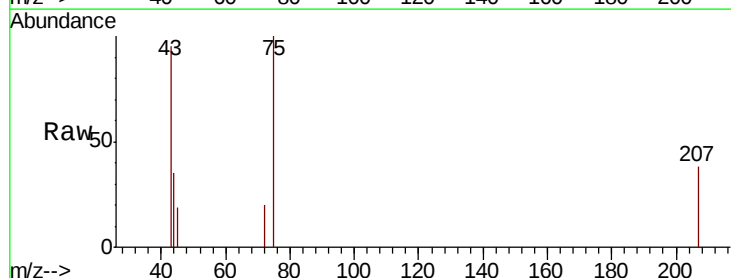
Tgt Ion: 43 Resp: 2521

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

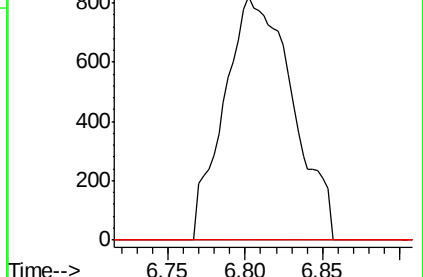
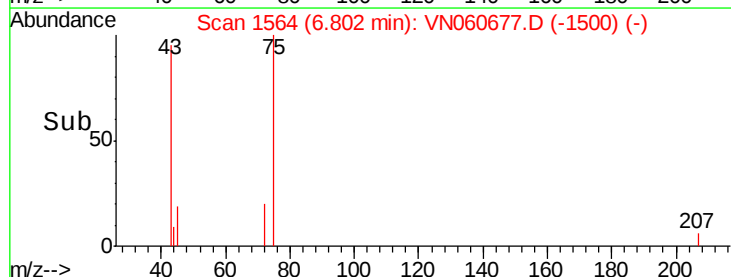
70 0.0 7.9 11.9#

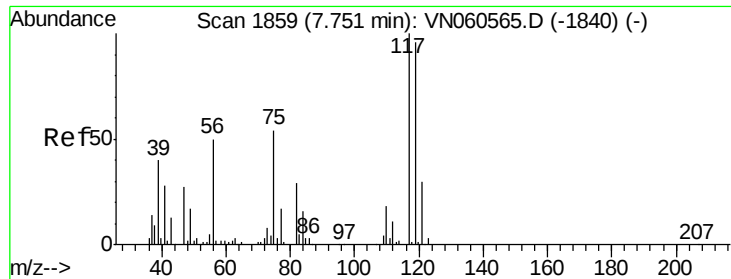


Abundance Ion 43.00 (42.70 to 43.70): VN060677.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060677.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060677.D (-1500) (-)





#38

Carbon Tetrachloride

Concen: 6.698 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060677.D

Acq: 24 Mar 2020 17:07

Instrument :

MSVOA_N

ClientSampled :

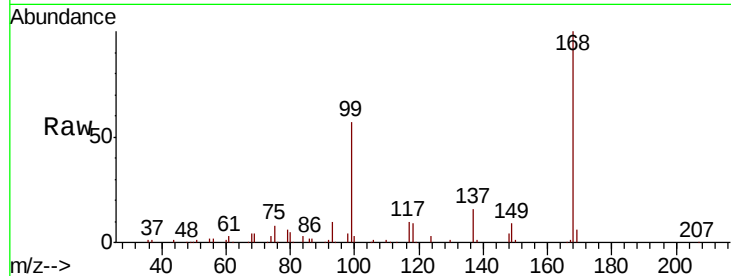
Tot Ion:117 Resp: 18917

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

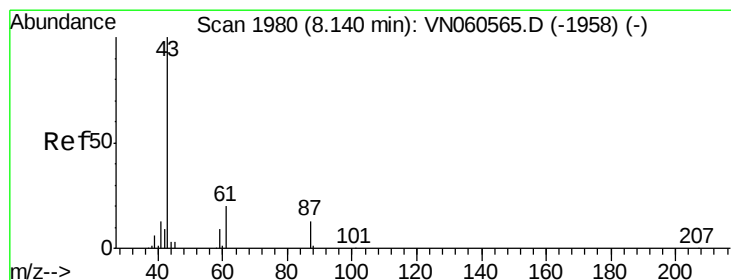
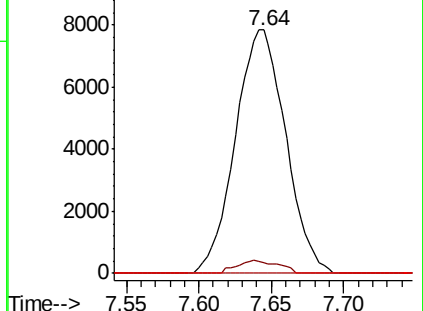
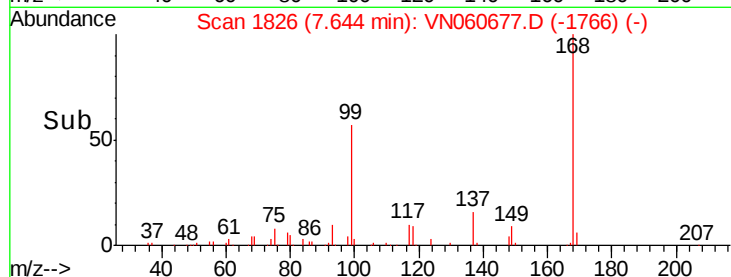
121 0.0 23.7 35.5#



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: 8.859 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060677.D

Acq: 24 Mar 2020 17:07

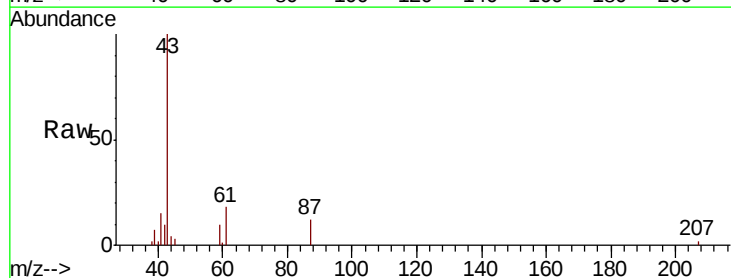
Tgt Ion: 43 Resp: 49748

Ion Ratio Lower Upper

43 100

61 19.0 20.7 31.1#

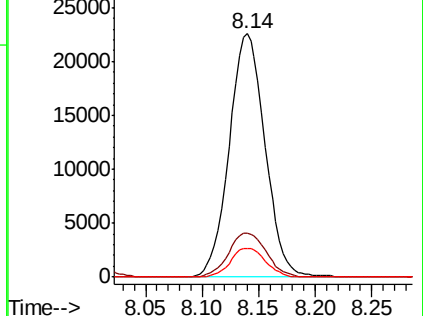
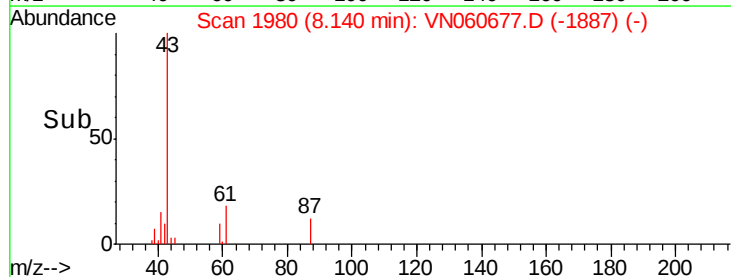
87 11.5 9.8 14.8

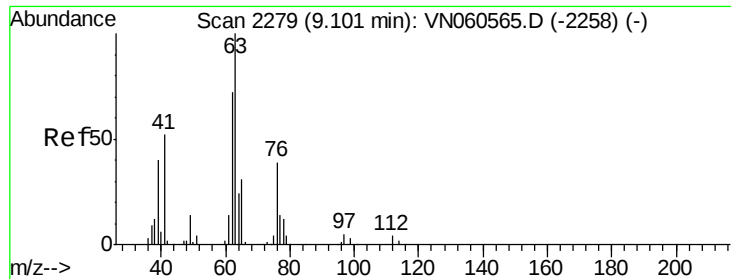


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

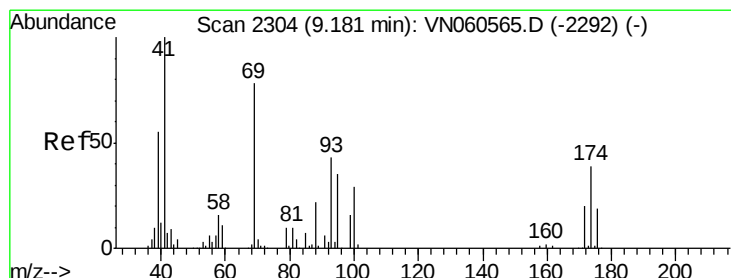
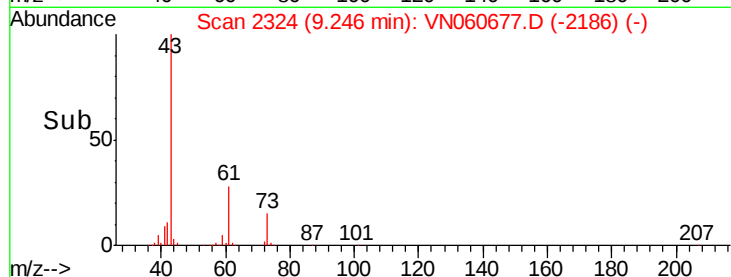
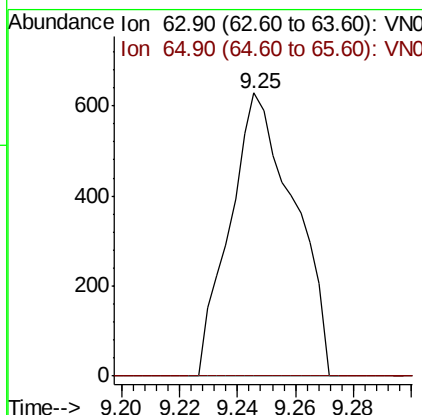
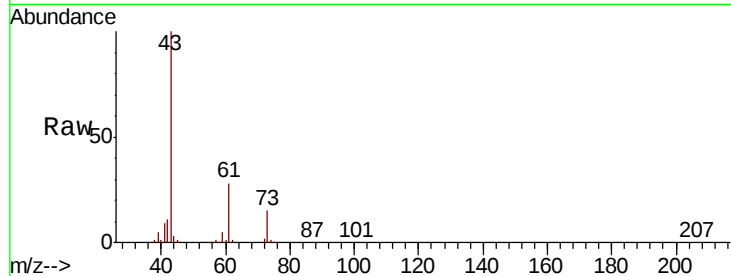




#45
 1,2-Dichloropropane
 Concen: 0.384 ug/l
 RT: 9.25 min Scan# 2324
 Delta R.T. 0.14 min
 Lab File: VN060677.D
 Acq: 24 Mar 2020 17:07

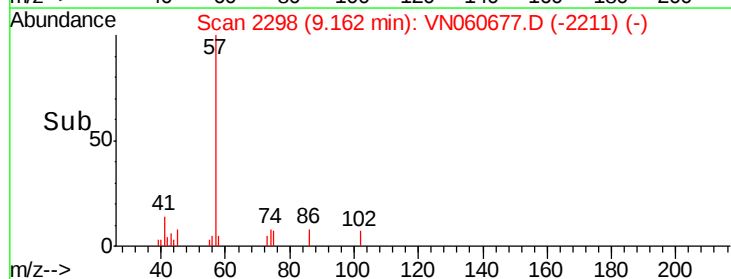
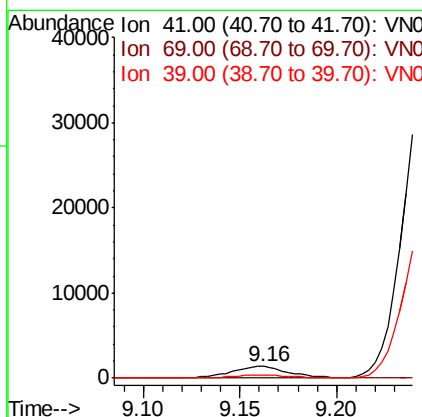
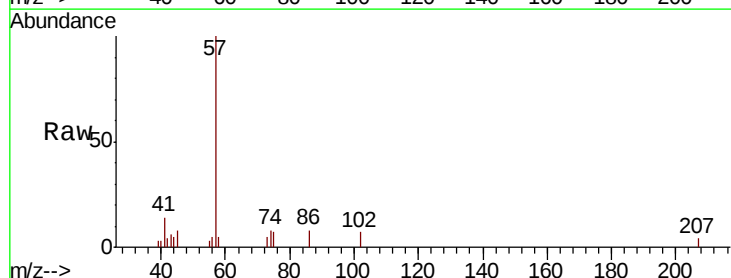
Instrument :
 MSVOA_N
 ClientSampleId :

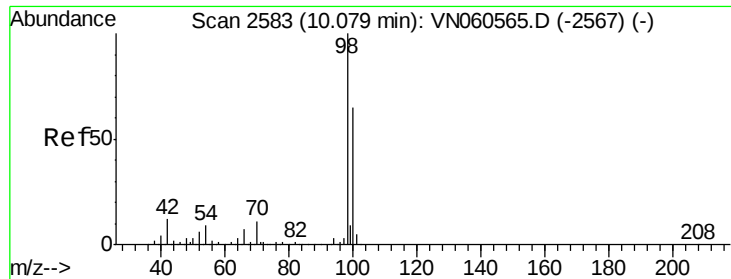
Tot Ion: 63 Resp: 964
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.091 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060677.D
 Acq: 24 Mar 2020 17:07

Tgt Ion: 41 Resp: 2727
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#

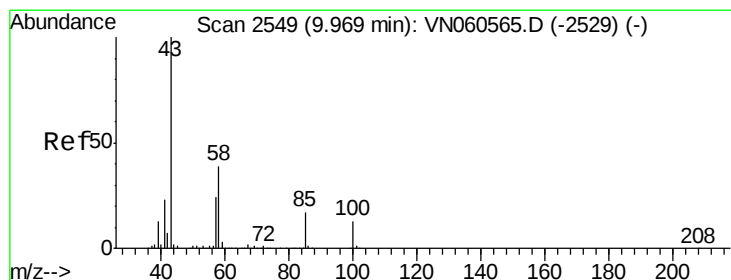
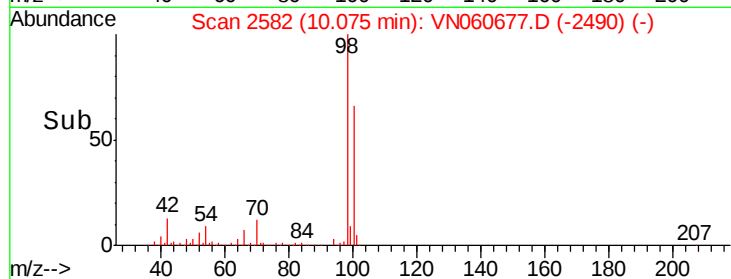
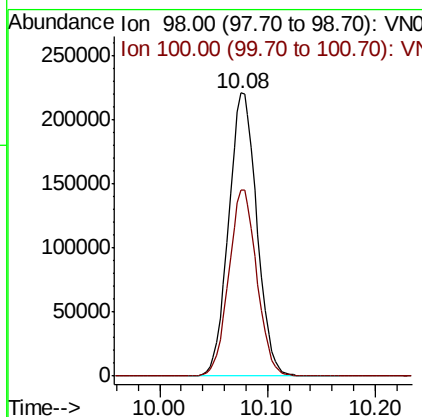
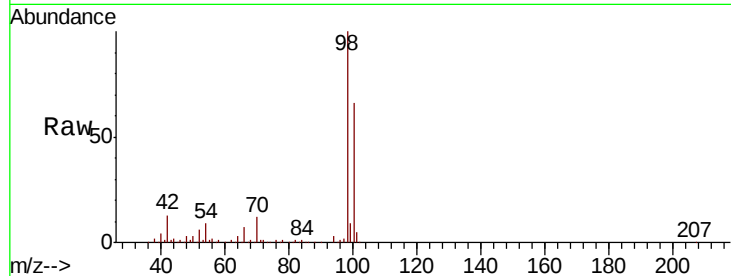




#50
Toluene-d8
Concen: 50.169 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060677.D
Acq: 24 Mar 2020 17:07

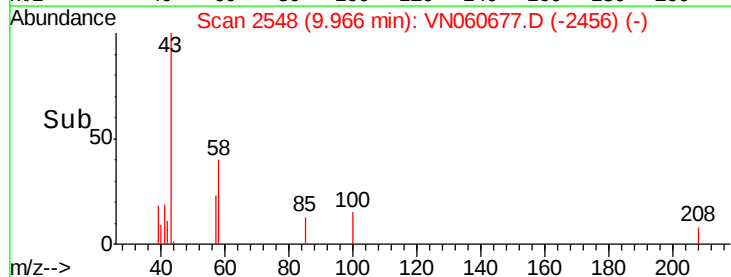
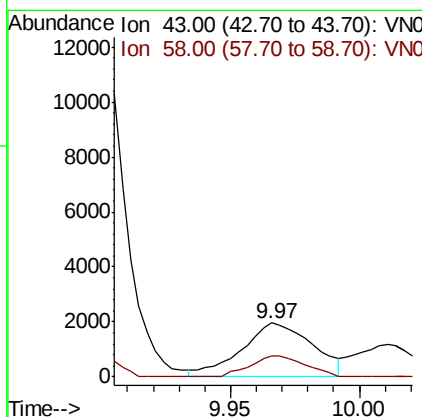
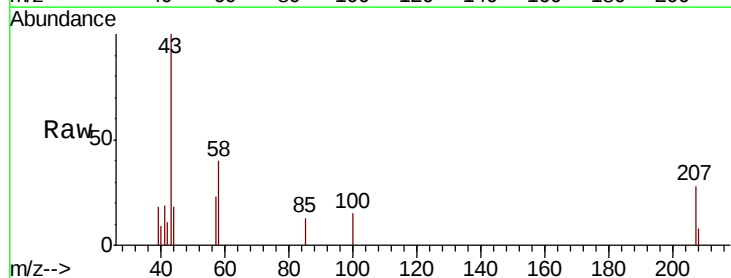
Instrument :
MSVOA_N
ClientSampled :

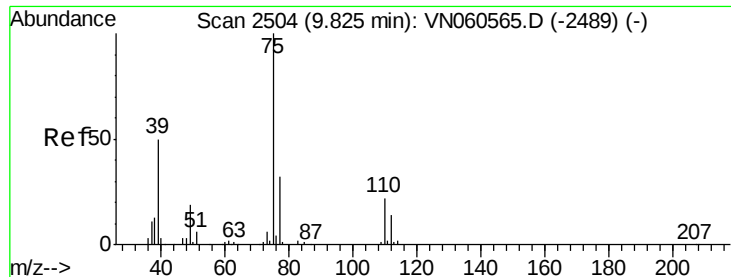
Tot Ion: 98 Resp: 403246
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.182 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060677.D
Acq: 24 Mar 2020 17:07

Tgt Ion: 43 Resp: 3776
Ion Ratio Lower Upper
43 100
58 30.7 30.8 46.2#





#54

cis-1,3-Dichloropropene

Concen: 5.237 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060677.D

Acq: 24 Mar 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

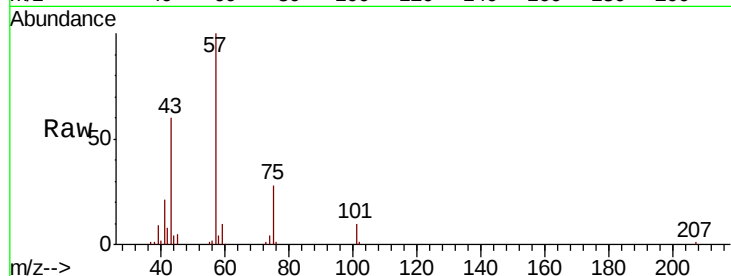
Tot Ion: 75 Resp: 20810

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

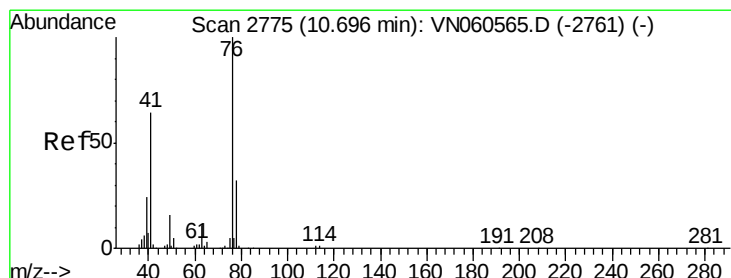
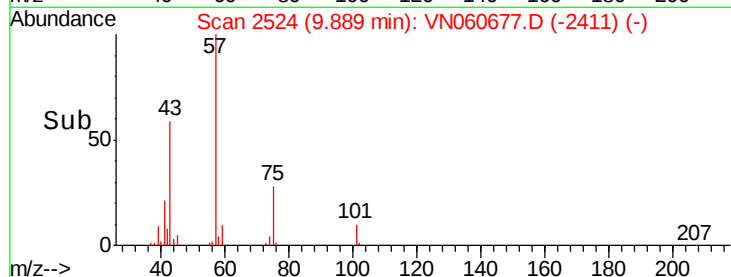
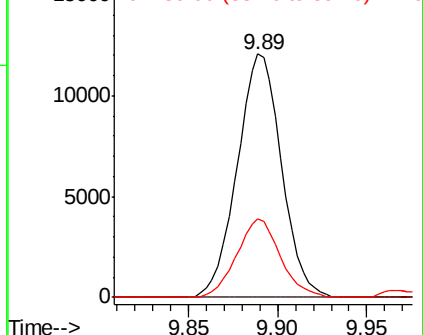
39 32.4 40.2 60.4#



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: 0.874 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060677.D

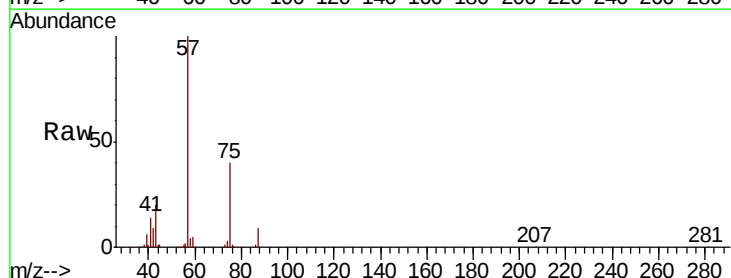
Acq: 24 Mar 2020 17:07

Tgt Ion: 76 Resp: 3352

Ion Ratio Lower Upper

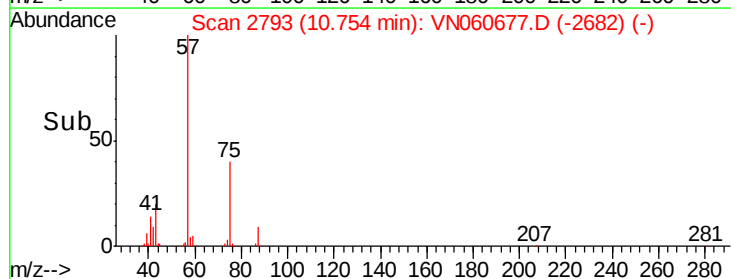
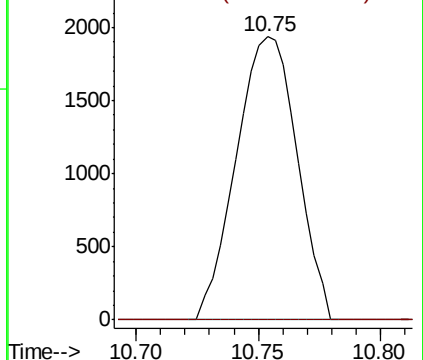
76 100

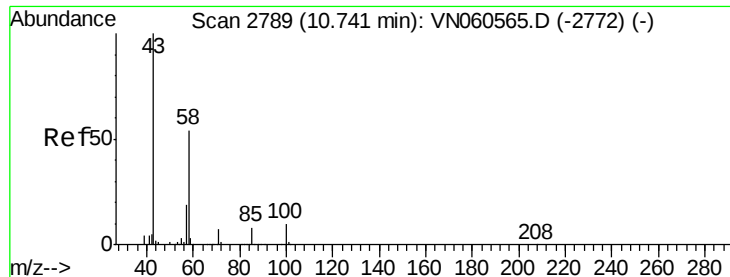
78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

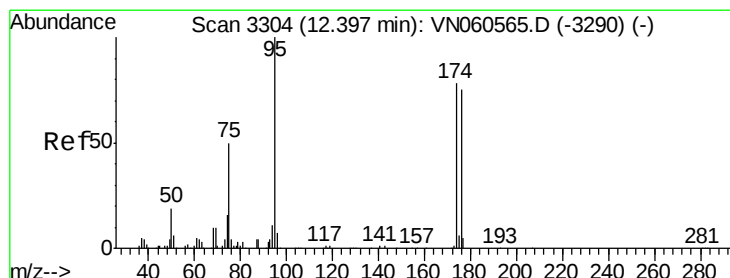
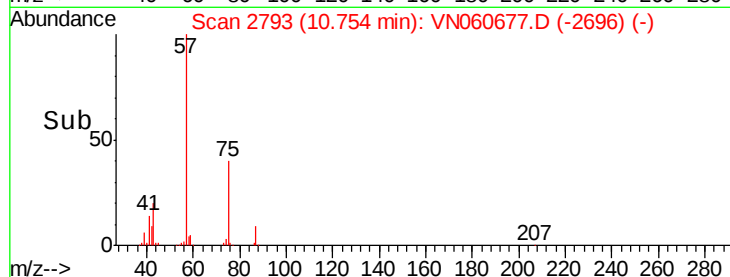
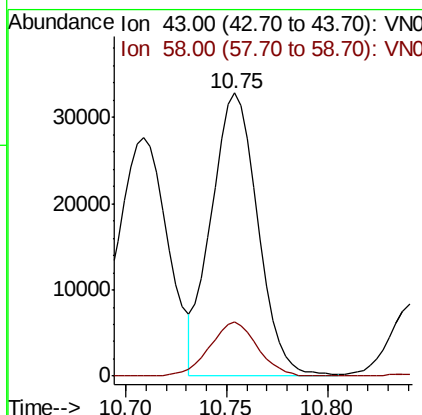
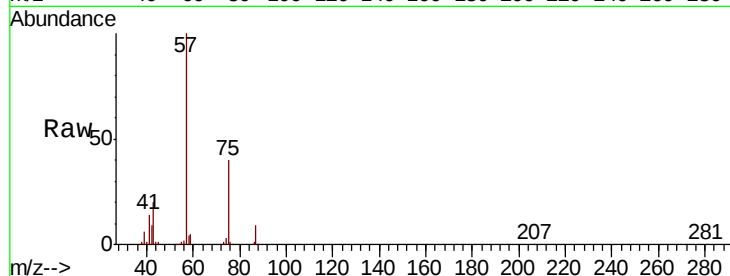




#59
2-Hexanone
Concen: 22.945 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060677.D
Acq: 24 Mar 2020 17:07

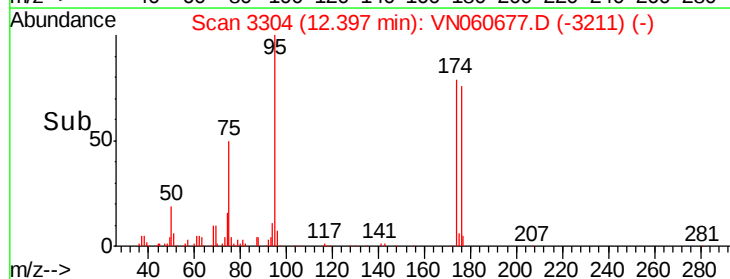
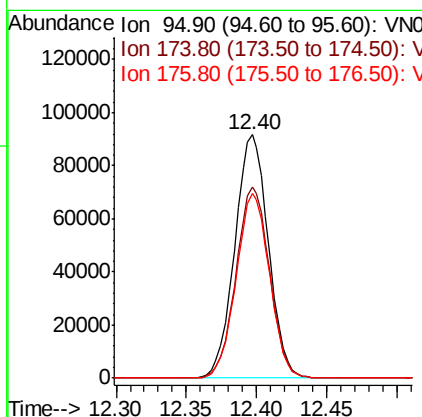
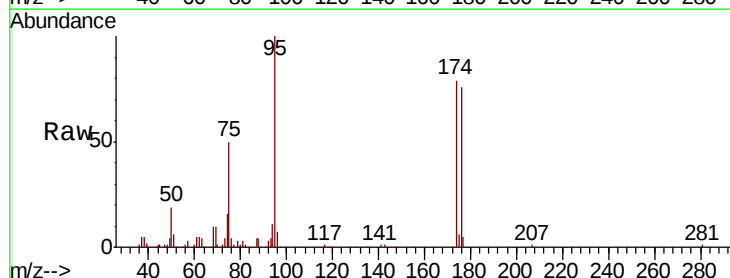
Instrument :
MSVOA_N
ClientSampleId :

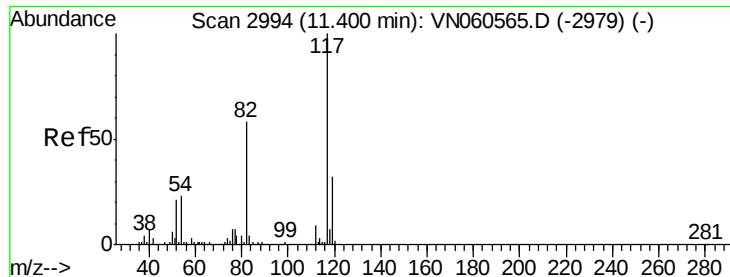
Tot Ion: 43 Resp: 52817
Ion Ratio Lower Upper
43 100
58 19.5 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 51.913 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060677.D
Acq: 24 Mar 2020 17:07

Tgt Ion: 95 Resp: 152922
Ion Ratio Lower Upper
95 100
174 78.5 0.0 157.6
176 75.4 0.0 150.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060677.D

Acq: 24 Mar 2020 17:07

Instrument :

MSVOA_N

ClientSampled :

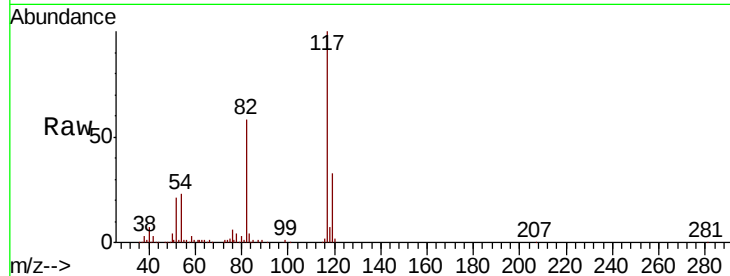
Tot Ion:117 Resp: 309525

Ion Ratio Lower Upper

117 100

82 57.7 46.7 70.1

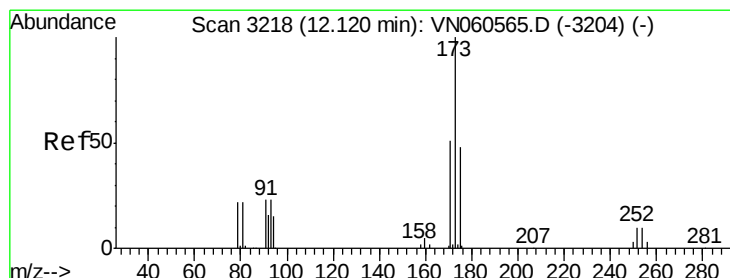
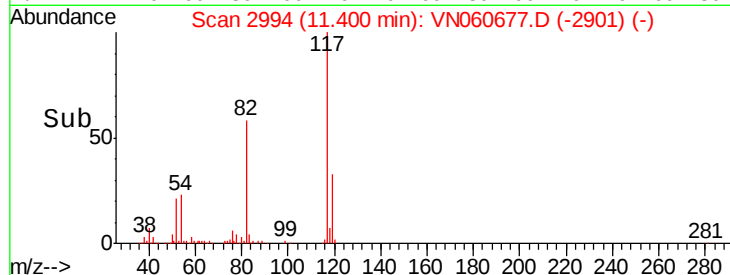
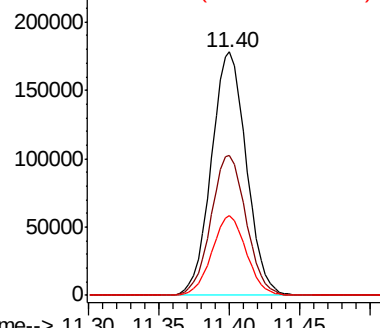
119 32.5 25.5 38.3



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



#71

Bromoform

Concen: 1.831 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060677.D

Acq: 24 Mar 2020 17:07

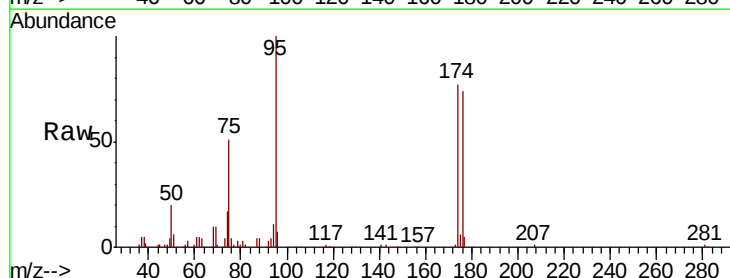
Tgt Ion:173 Resp: 287

Ion Ratio Lower Upper

173 100

175 2548.1 24.1 72.4#

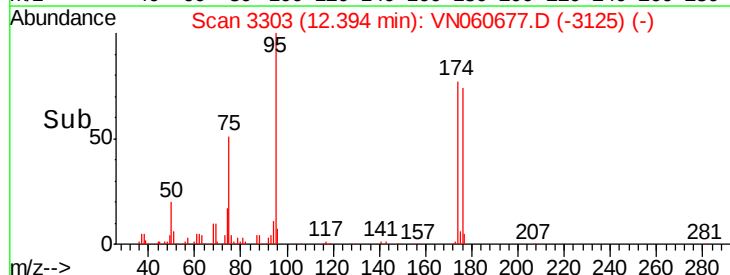
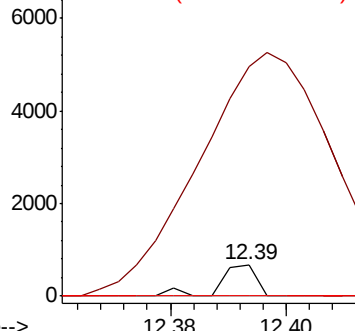
254 0.0 0.0 0.0

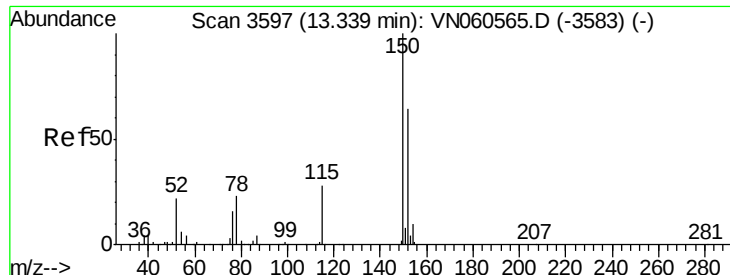


Abundance Ion 172.70 (172.40 to 173.40): V

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# 3597

Delta R.T. -0.00 min

Lab File: VN060677.D

Acq: 24 Mar 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

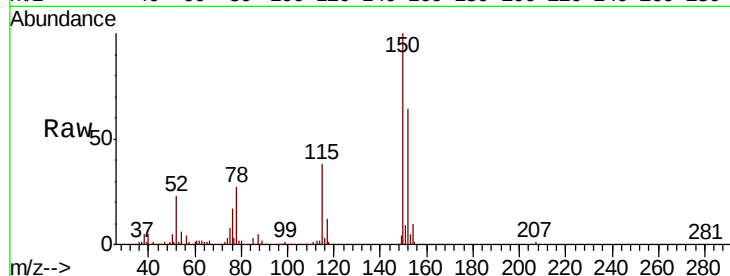
Tot Ion:152 Resp: 142508

Ion Ratio Lower Upper

152 100

115 60.0 30.2 90.6

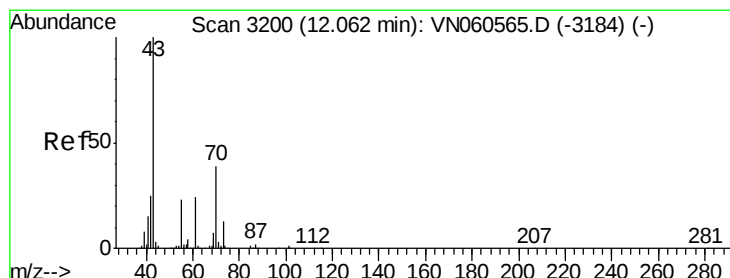
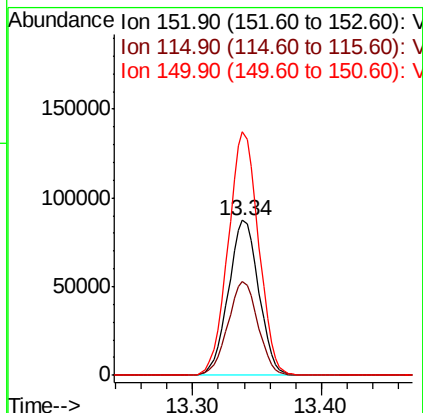
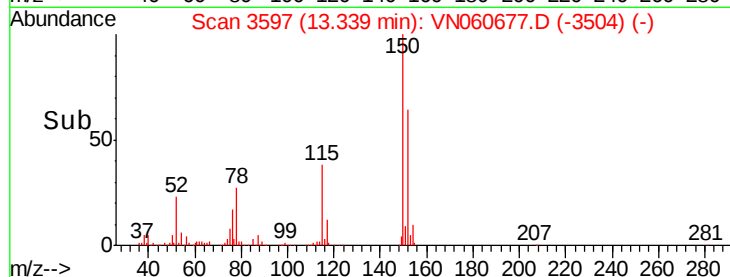
150 157.2 0.0 350.2



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-ethyl acetate

Concen: 0.412 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060677.D

Acq: 24 Mar 2020 17:07

Tgt Ion: 43 Resp: 2038

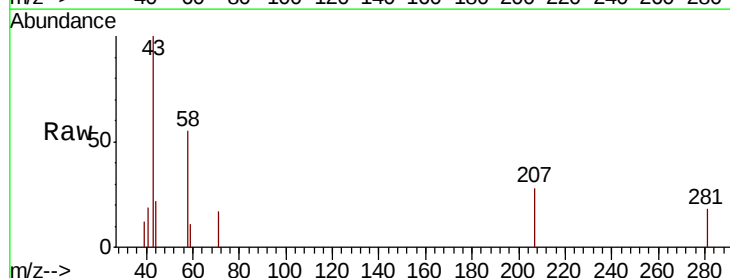
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

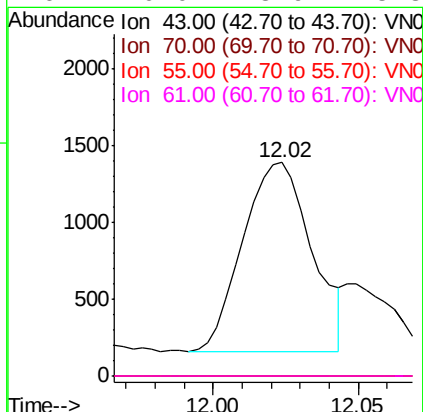
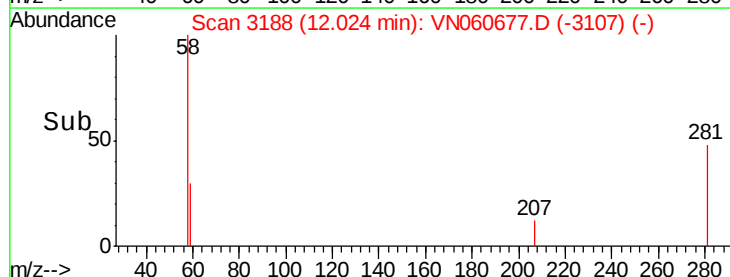


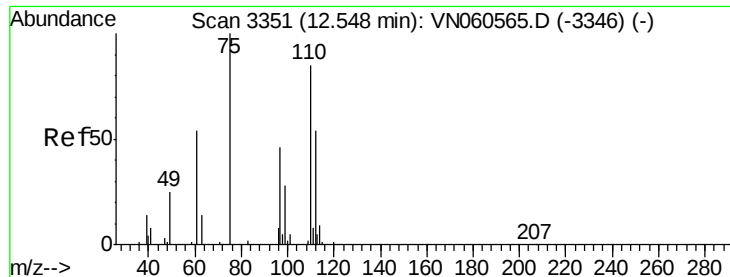
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 24.881 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060677.D

Acq: 24 Mar 2020 17:07

Instrument :

MSVOA_N

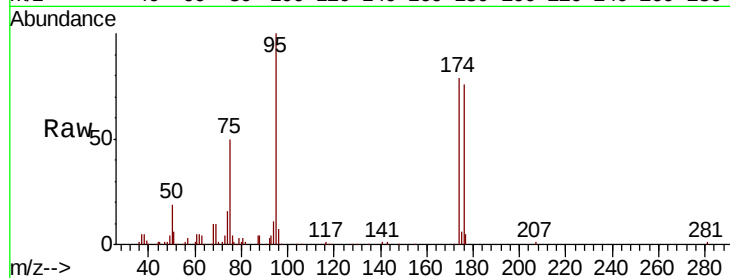
ClientSampled :

Tot Ion: 75 Resp: 76510

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060565.D (-3346) (-)

12.40

50000

40000

30000

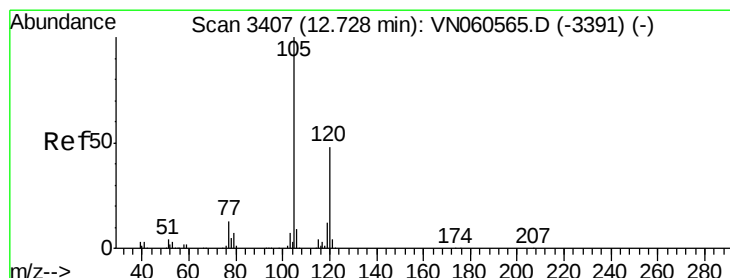
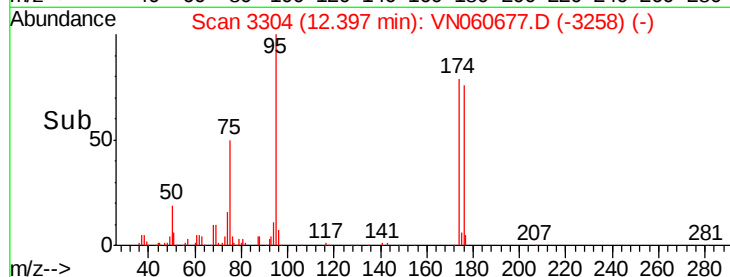
20000

10000

0

Time-->

12.35 12.40 12.45



#80

1,3,5-Trimethylbenzene

Concen: 0.297 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060677.D

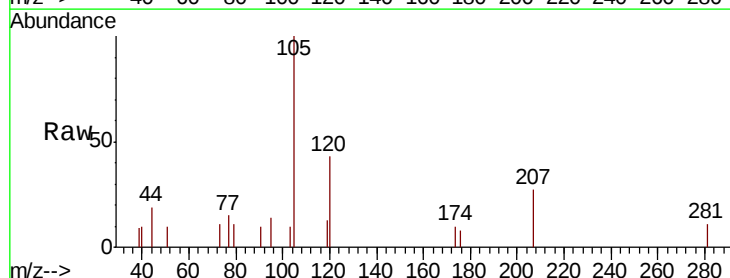
Acq: 24 Mar 2020 17:07

Tgt Ion: 105 Resp: 2699

Ion Ratio Lower Upper

105 100

120 48.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060565.D (-3391) (-)

12.73

2000

1500

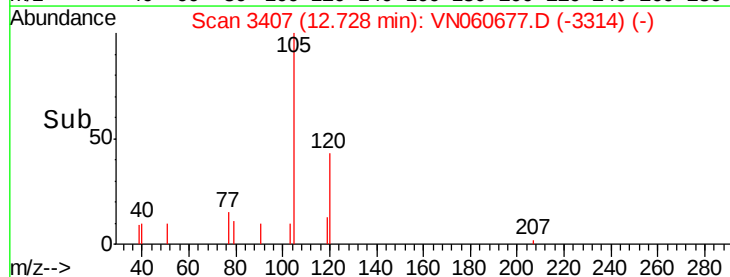
1000

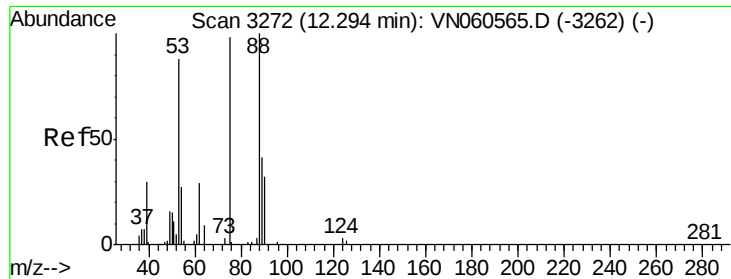
500

0

Time-->

12.70 12.75





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.902 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060677.D
 Acq: 24 Mar 2020 17:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 76510
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

