

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060377.D
 Acq On : 6 Mar 2020 13:57
 Operator : JC/MD
 Sample : L1828-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 07 00:55:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	291720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131635	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	124197	50.18	ug/l	0.00
Spiked Amount						
			Recovery	=	100.36%	
35) Dibromofluoromethane	7.57	113	89299	60.54	ug/l	0.00
Spiked Amount						
			Recovery	=	121.08%	
50) Toluene-d8	10.08	98	388058	51.98	ug/l	0.00
Spiked Amount						
			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.40	95	141255	49.92	ug/l	0.00
Spiked Amount						
			Recovery	=	99.84%	

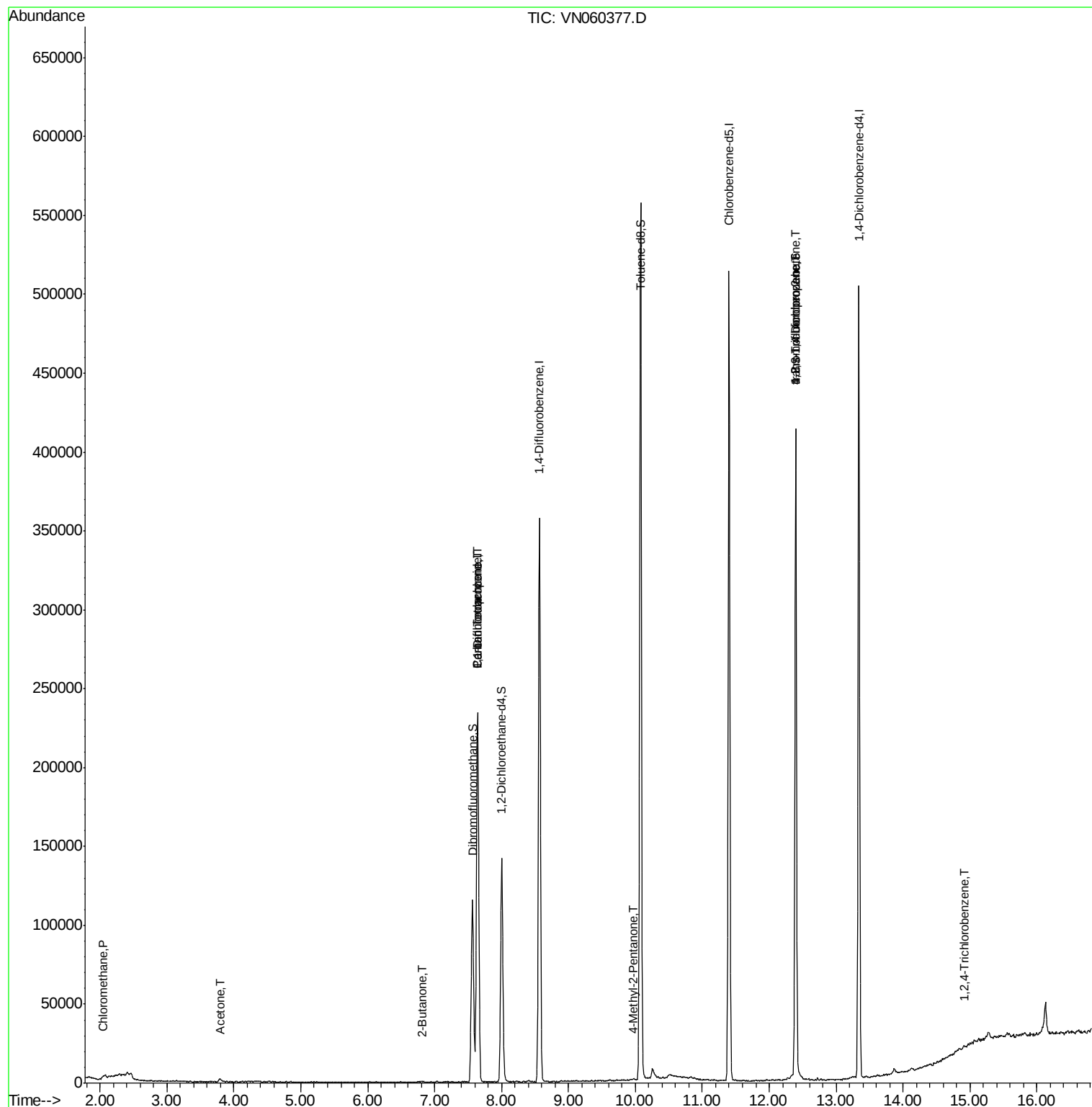
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	778	0.253	ug/l	96
12) 1,1-Dichloroethene	3.69	96	30	Below Cal	#	1
16) Acetone	3.79	43	3222	4.031	ug/l #	89
17) Carbon Disulfide	4.03	76	230	Below Cal	#	75
25) 2-Butanone	6.81	43	557	0.431	ug/l #	49
31) Cyclohexane	7.64	56	4242	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15257	5.038	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18878	6.402	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	726	0.255	ug/l #	59
76) 1,2,3-Trichloropropane	12.40	75	72466	25.091	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72466	69.264	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	249	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	386	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	312	0.205	ug/l #	77
95) Naphthalene	15.13	128	1032	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.30	180	31	Below Cal	#	1

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

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QLast Update : Thu Feb 27 13:52:50 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: VN060377.D

Acq: 6 Mar 2020 13:57

Instrument :

MSVOA_N

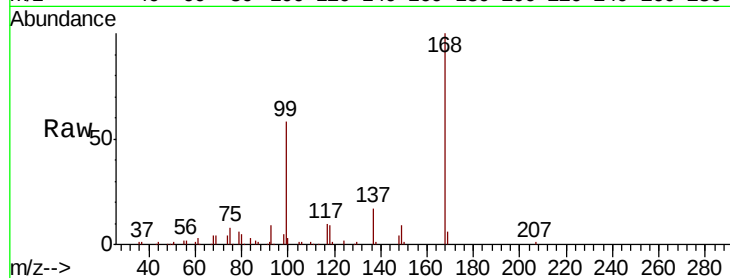
ClientSampled :

Tot Ion:168 Resp: 192896

Ion Ratio Lower Upper

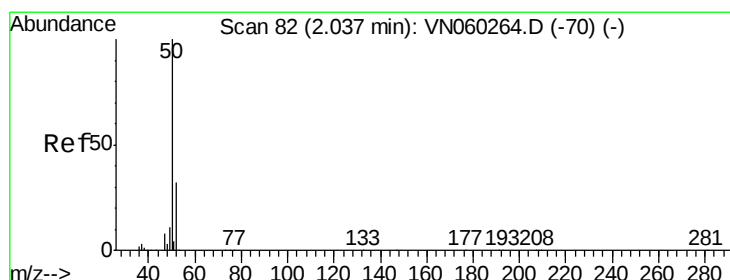
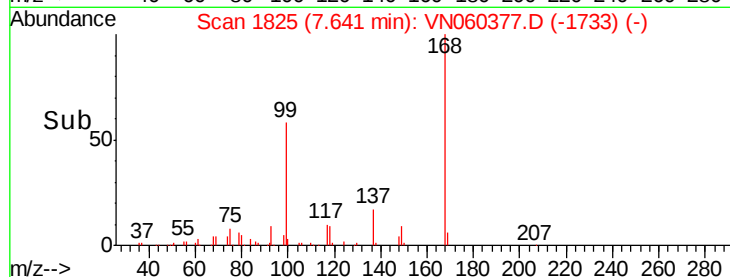
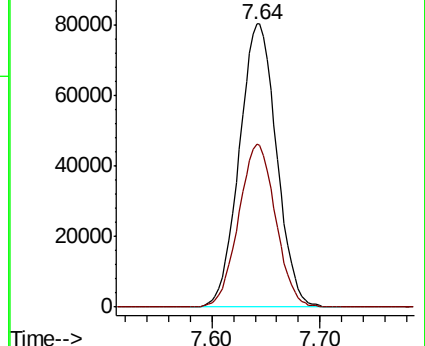
168 100

99 57.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.253 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060377.D

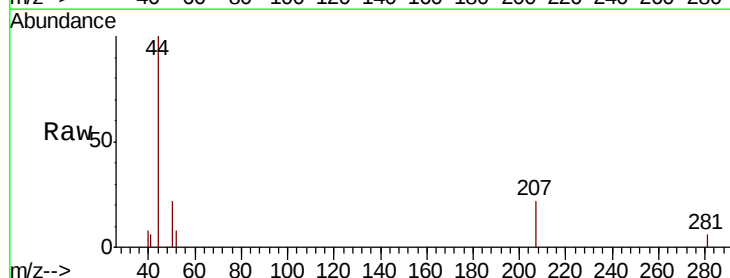
Acq: 6 Mar 2020 13:57

Tgt Ion: 50 Resp: 778

Ion Ratio Lower Upper

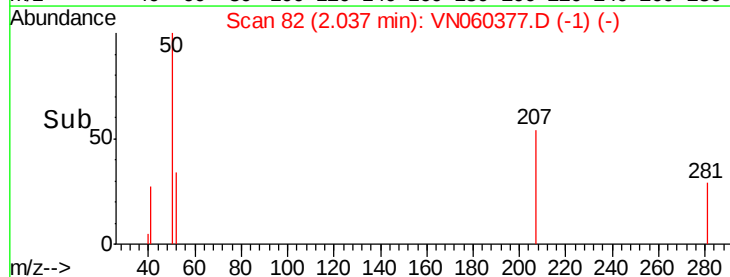
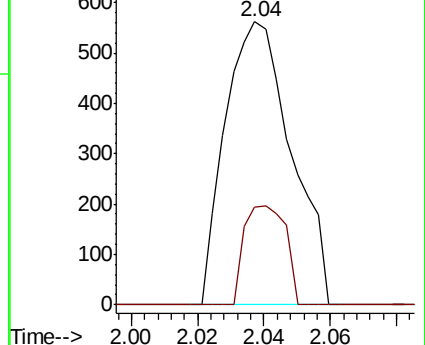
50 100

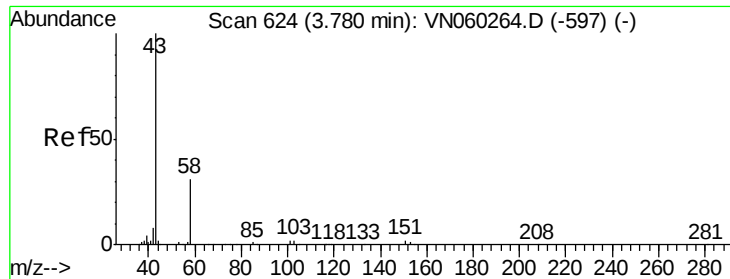
52 34.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#16

Acetone

Concen: 4.031 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060377.D

Acq: 6 Mar 2020 13:57

Instrument :

MSVOA_N

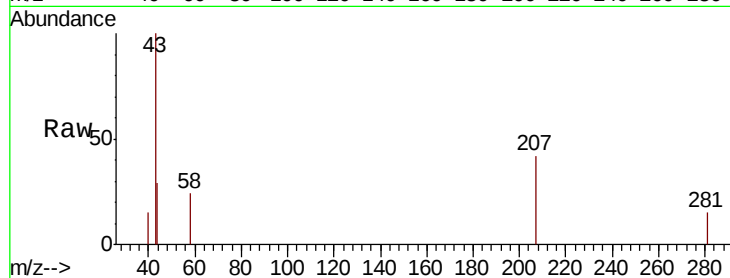
ClientSampled :

Tot Ion: 43 Resp: 3222

Ion Ratio Lower Upper

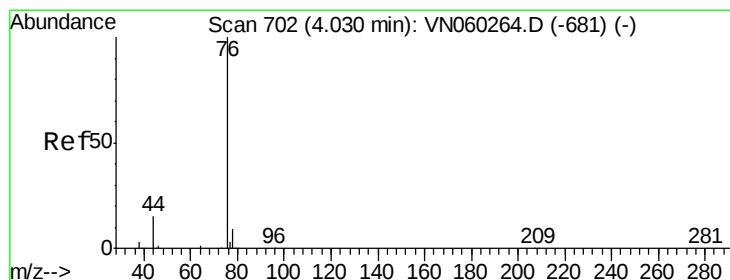
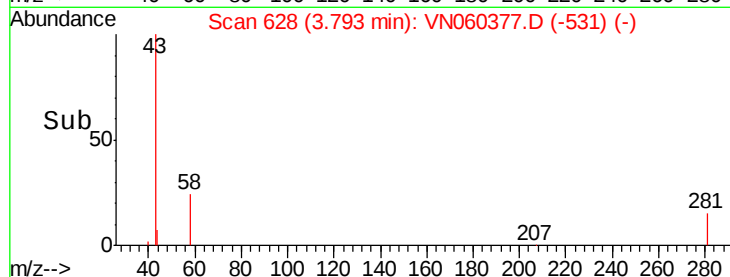
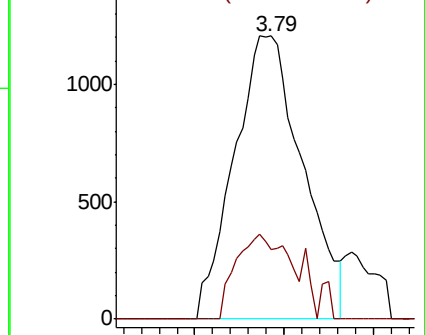
43 100

58 24.5 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VN060377.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060377.D (-531) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060377.D

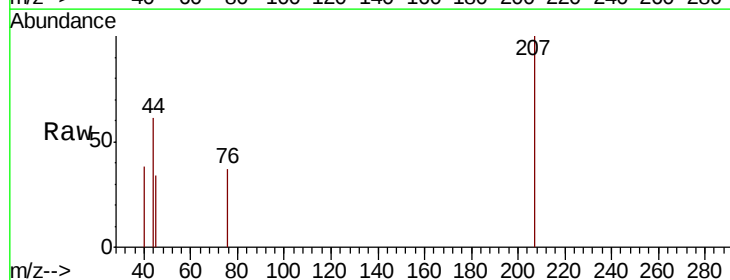
Acq: 6 Mar 2020 13:57

Tgt Ion: 76 Resp: 230

Ion Ratio Lower Upper

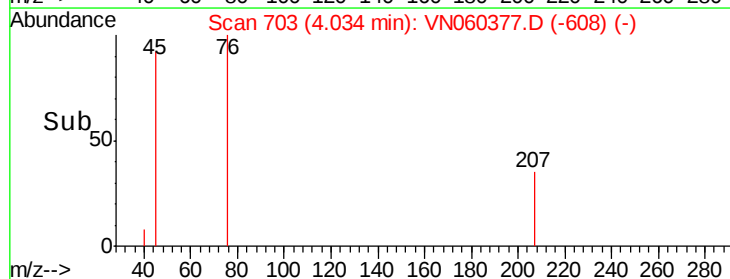
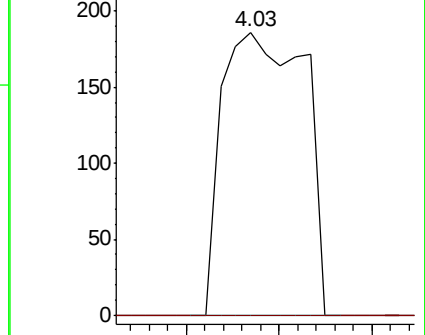
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN060377.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN060377.D (-608) (-)





#25

2-Butanone

Concen: 0.431 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060377.D

Acq: 6 Mar 2020 13:57

Instrument :

MSVOA_N

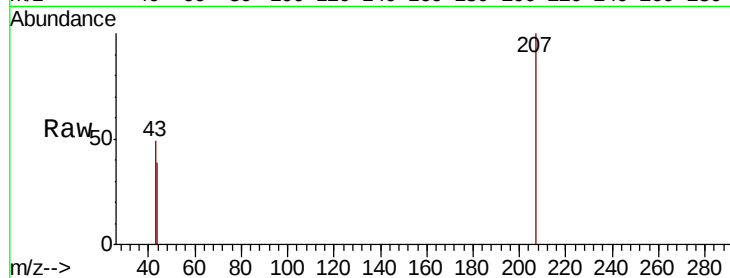
ClientSampled :

Tot Ion: 43 Resp: 557

Ion Ratio Lower Upper

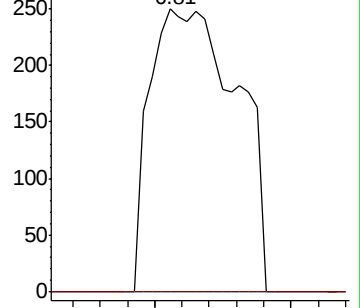
43 100

72 0.0 20.9 31.3#

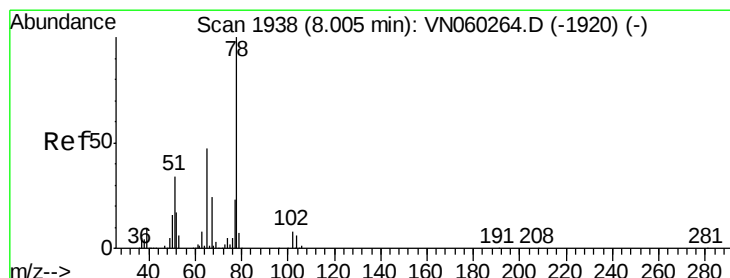
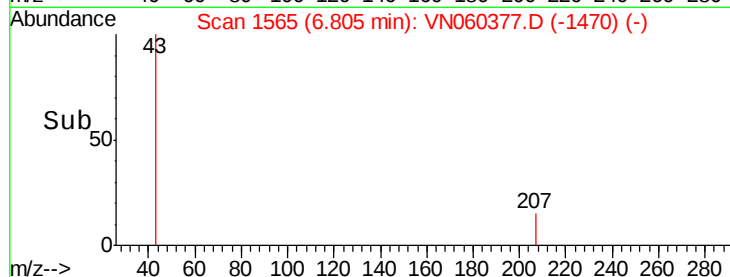


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.183 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060377.D

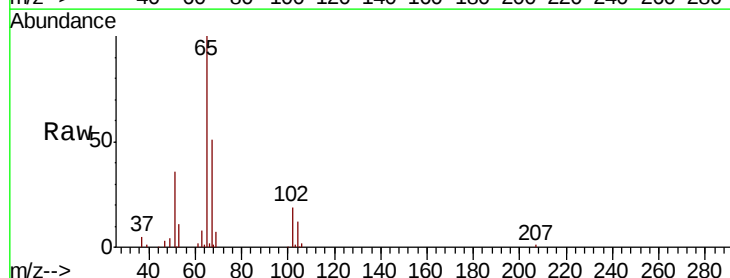
Acq: 6 Mar 2020 13:57

Tgt Ion: 65 Resp: 124197

Ion Ratio Lower Upper

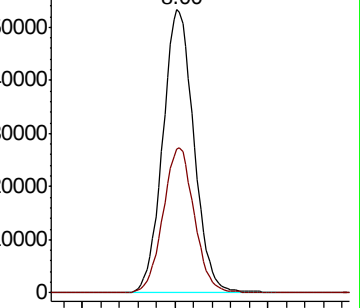
65 100

67 51.4 0.0 103.8

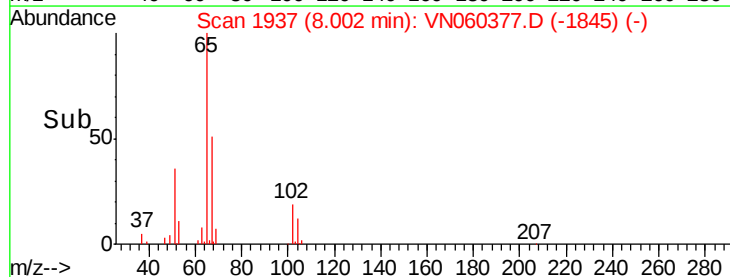


Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



Time-->

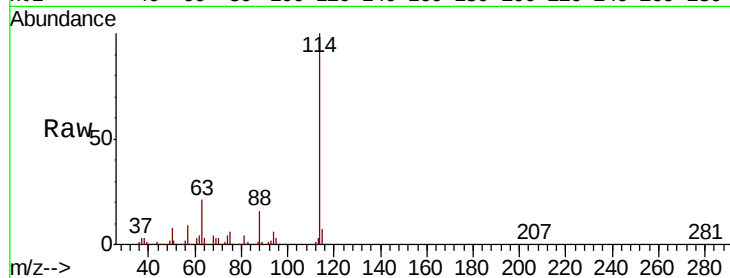




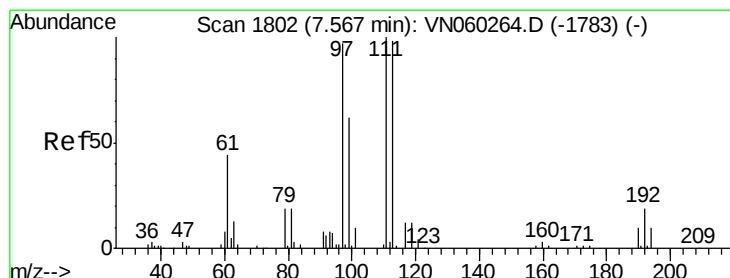
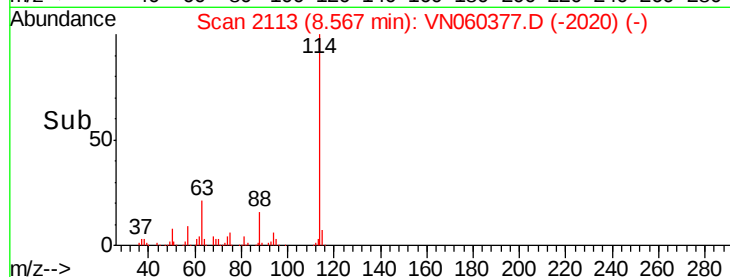
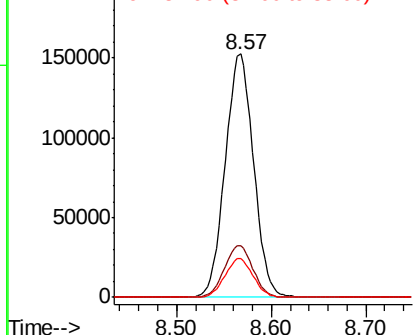
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060377.D
 Acq: 6 Mar 2020 13:57

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 317766
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 16.0 0.0 31.6

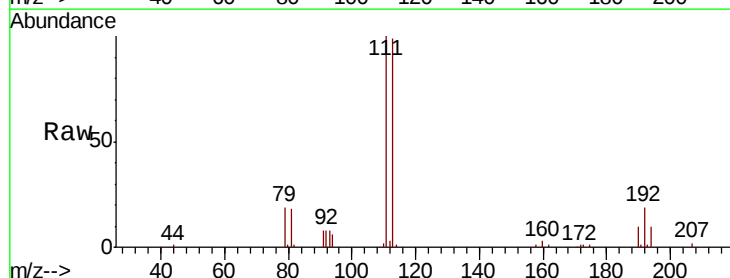


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

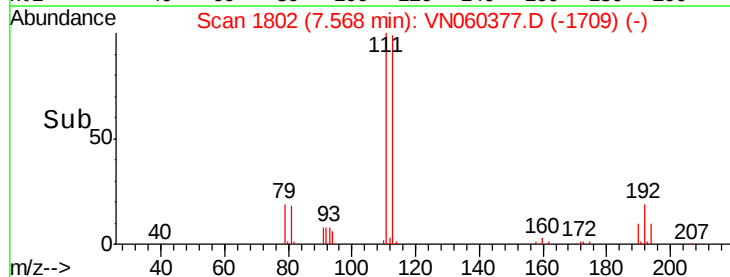
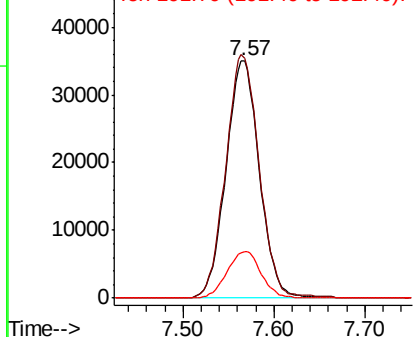


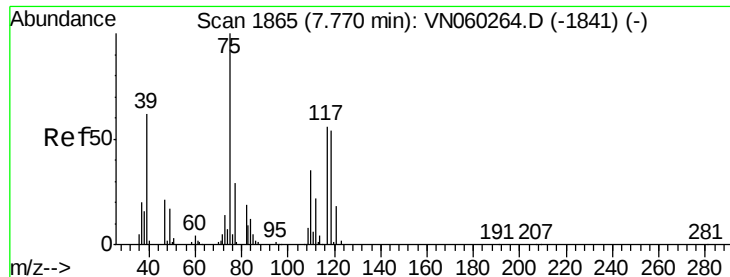
#35
 Dibromofluoromethane
 Concen: 60.543 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060377.D
 Acq: 6 Mar 2020 13:57

Tgt Ion:113 Resp: 89299
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 19.8 16.2 24.2



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

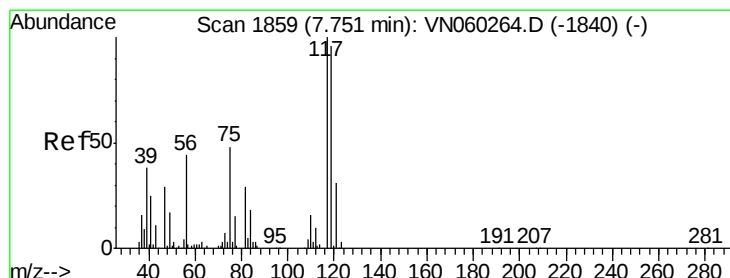
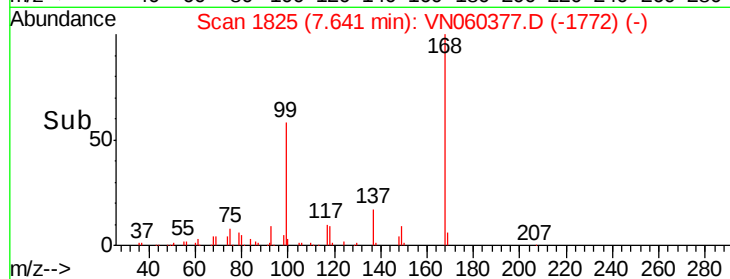
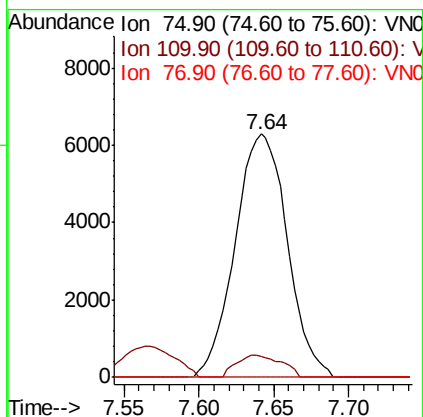
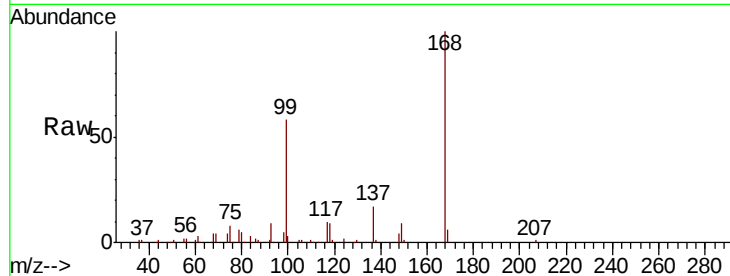




#36
 1,1-Dichloropropene
 Concen: 5.038 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060377.D
 Acq: 6 Mar 2020 13:57

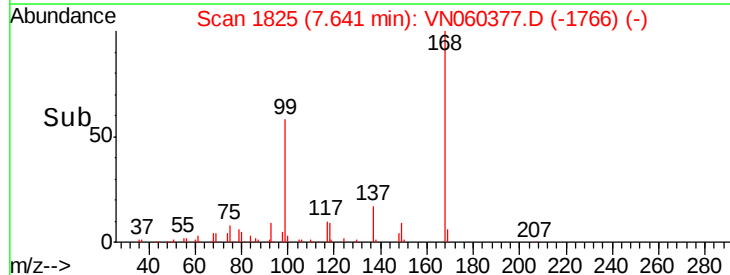
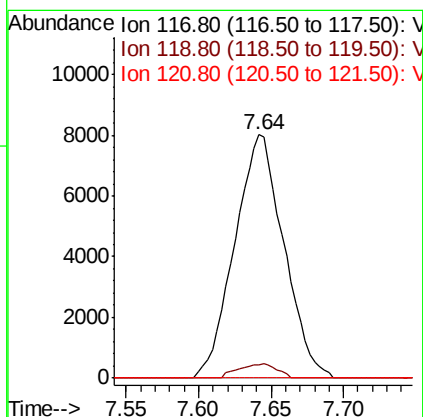
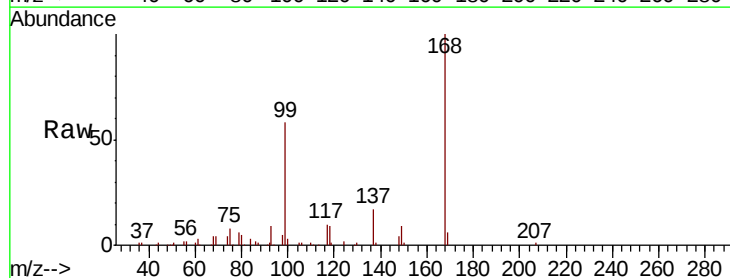
Instrument :
 MSVOA_N
 ClientSampleId :

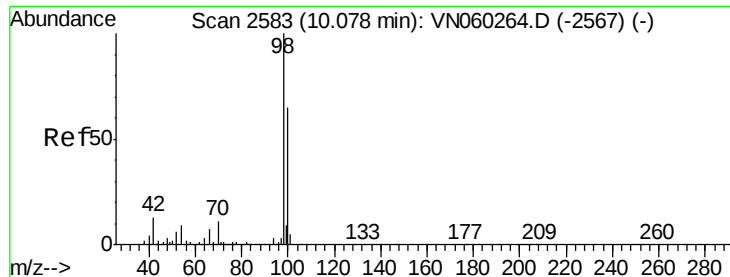
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.3	52.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.402 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060377.D
 Acq: 6 Mar 2020 13:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.7	115.1#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 51.984 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060377.D

Acq: 6 Mar 2020 13:57

Instrument :

MSVOA_N

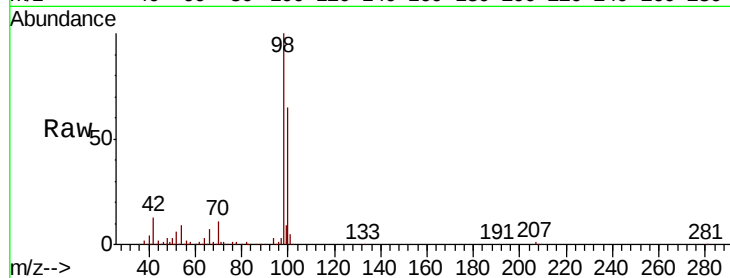
ClientSampleId :

Tot Ion: 98 Resp: 388058

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060264.D (-2567) (-)

10.08

250000

200000

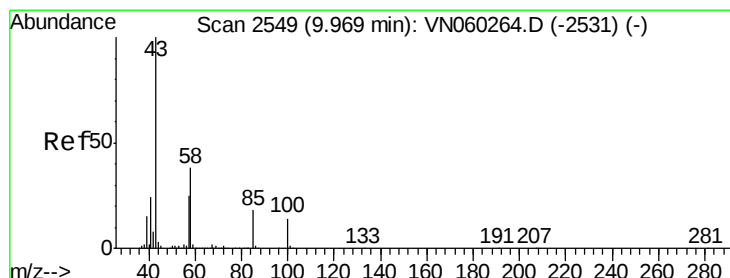
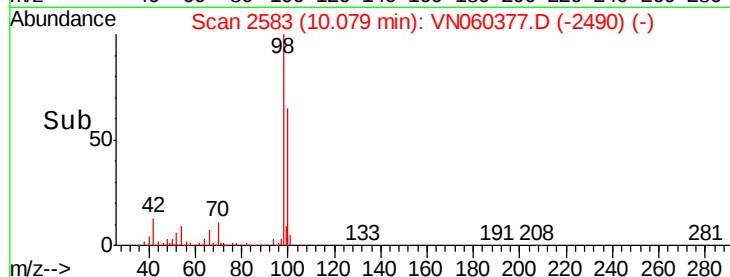
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.255 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060377.D

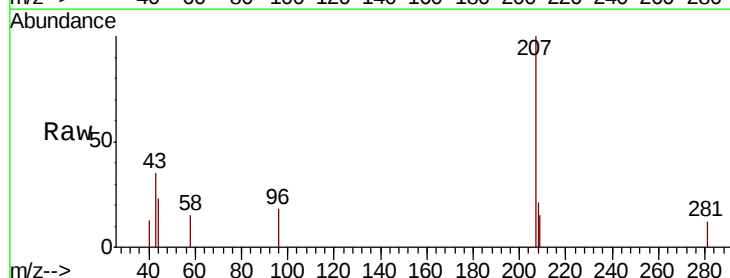
Acq: 6 Mar 2020 13:57

Tgt Ion: 43 Resp: 726

Ion Ratio Lower Upper

43 100

58 13.8 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

9.97

500

400

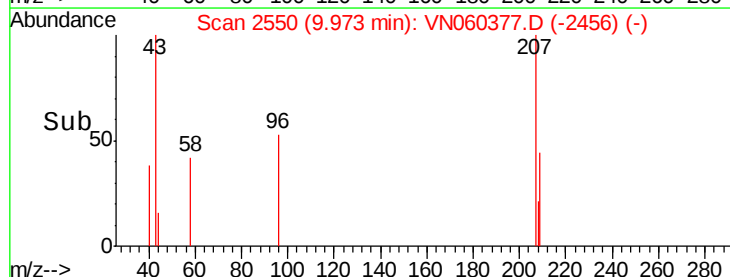
300

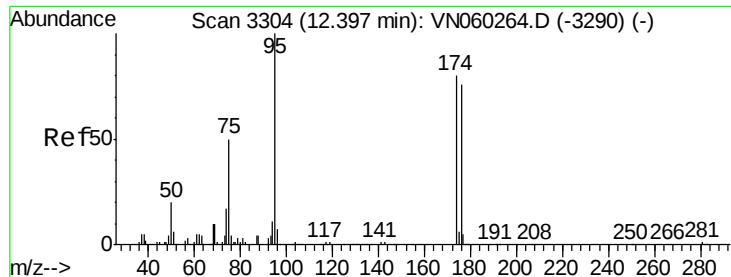
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.917 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060377.D

Acq: 6 Mar 2020 13:57

Instrument :

MSVOA_N

ClientSampled :

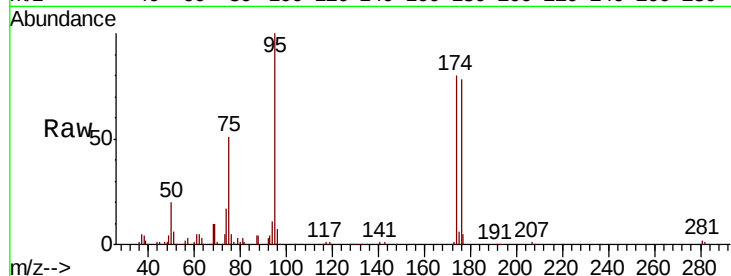
Tot Ion: 95 Resp: 141255

Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.2

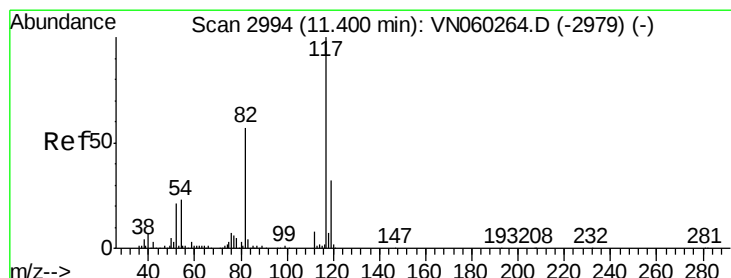
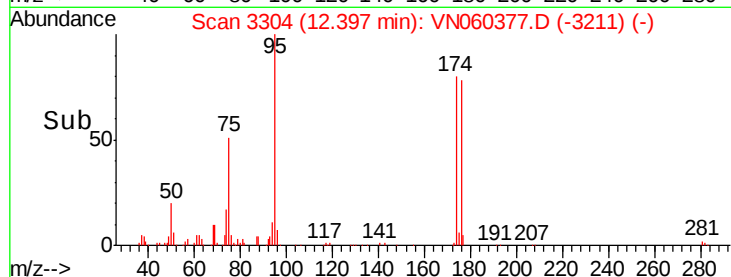
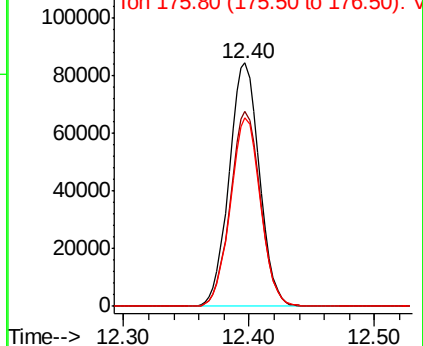
176 76.9 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060377.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060377.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060377.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060377.D

Acq: 6 Mar 2020 13:57

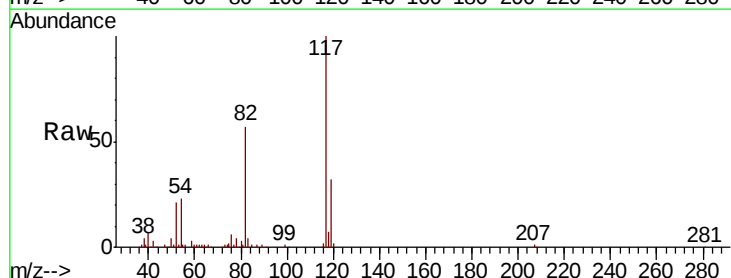
Tgt Ion: 117 Resp: 291720

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.6

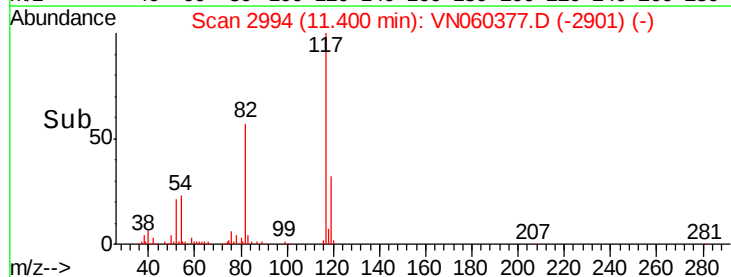
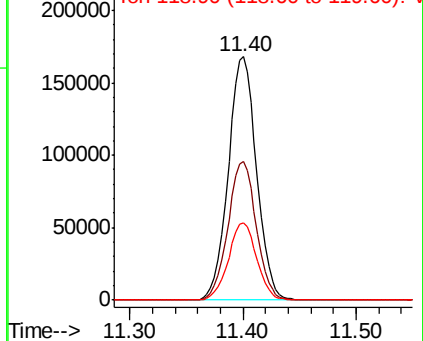
119 31.8 25.8 38.8

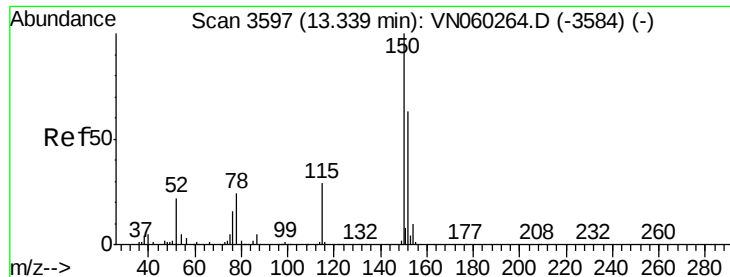


Abundance Ion 116.90 (116.60 to 117.60): VN060377.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060377.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060377.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060377.D

Acq: 6 Mar 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

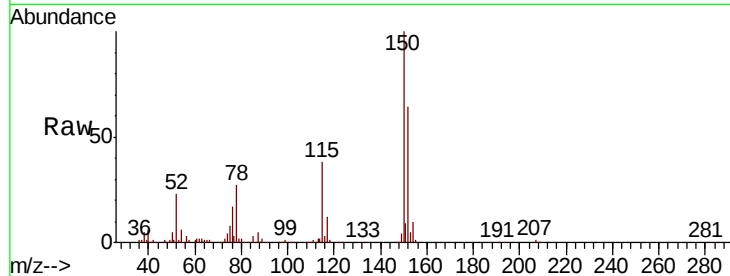
Tot Ion:152 Resp: 131635

Ion Ratio Lower Upper

152 100

115 58.9 30.0 90.0

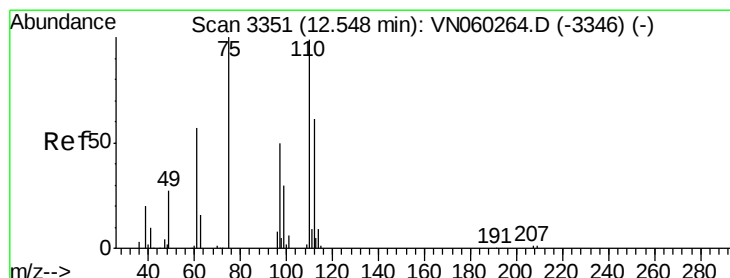
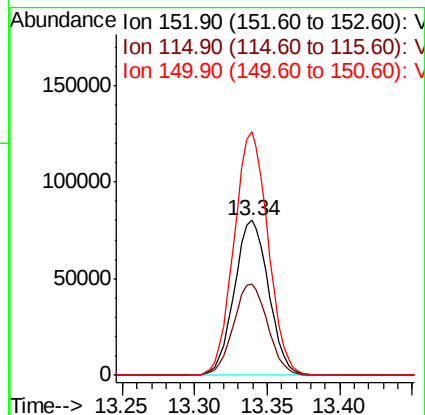
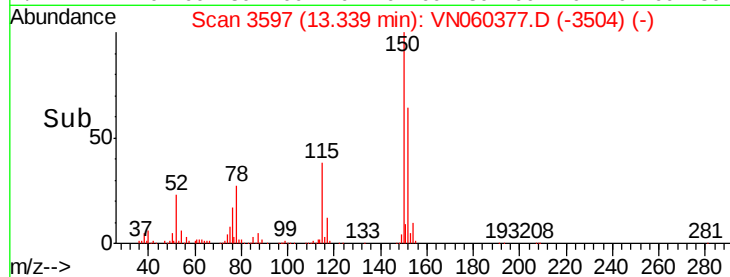
150 155.8 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.091 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060377.D

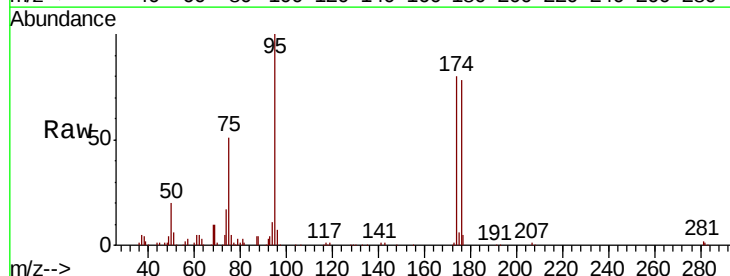
Acq: 6 Mar 2020 13:57

Tgt Ion: 75 Resp: 72466

Ion Ratio Lower Upper

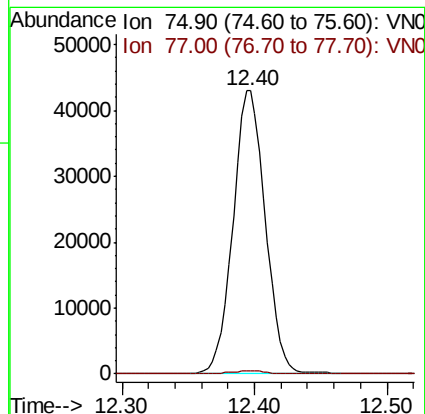
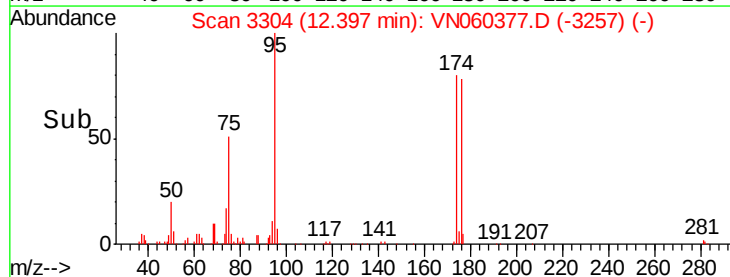
75 100

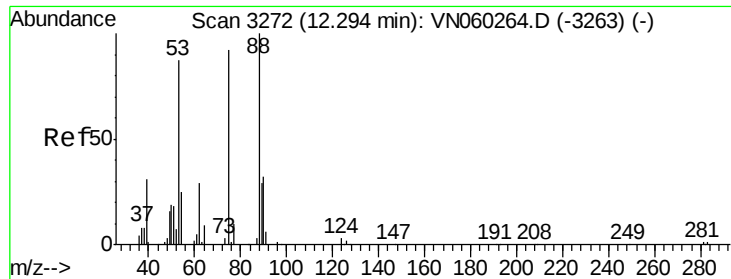
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

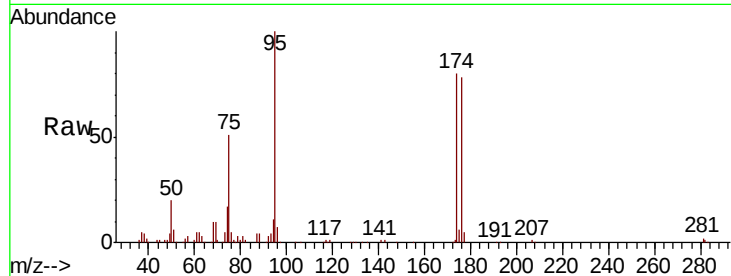




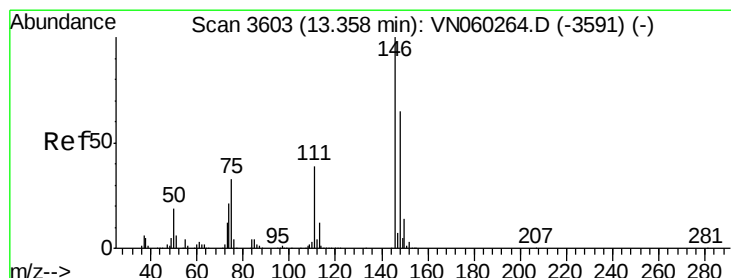
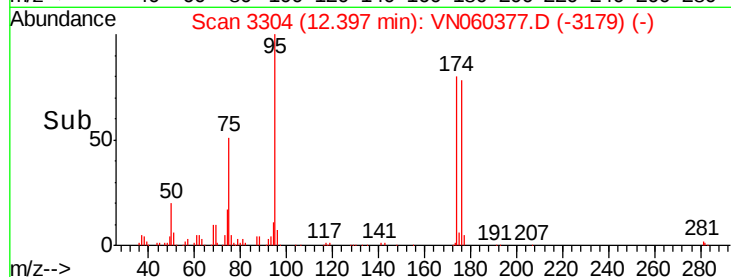
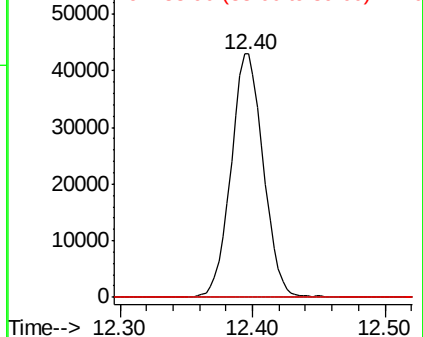
#81
trans-1,4-Dichloro-2-butene
Concen: 69.264 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060377.D
Acq: 6 Mar 2020 13:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 72466
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#

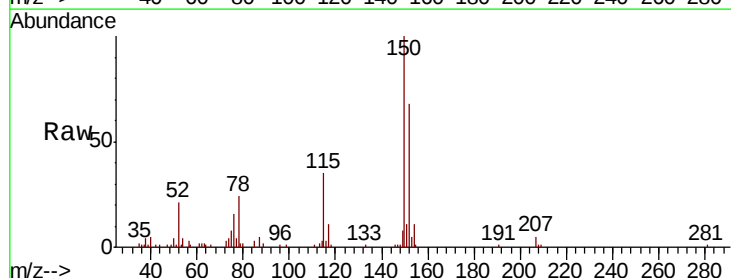


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

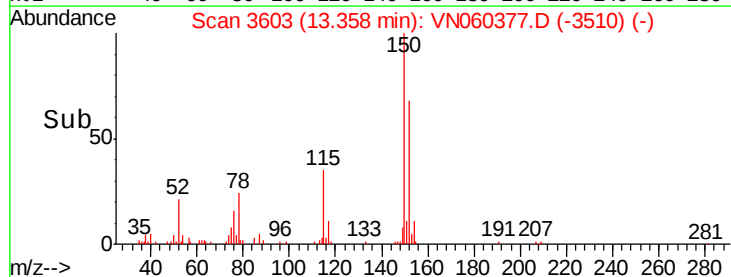
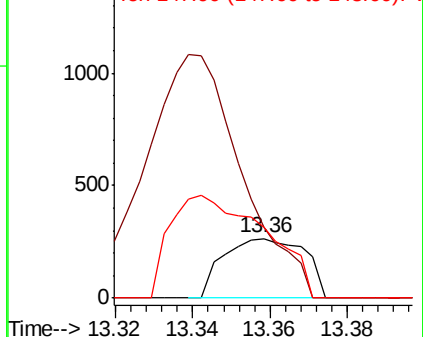


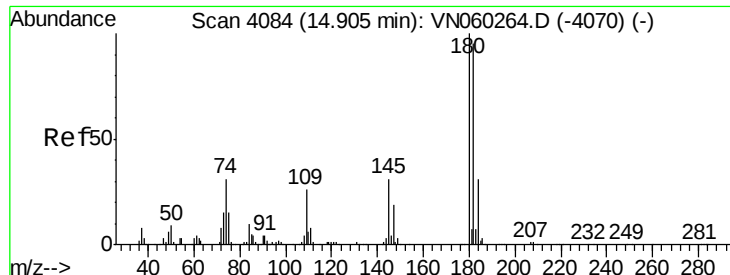
#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3603
Delta R.T. 0.00 min
Lab File: VN060377.D
Acq: 6 Mar 2020 13:57

Tgt Ion: 146 Resp: 386
Ion Ratio Lower Upper
146 100
111 479.0 19.8 59.4#
148 203.4 32.3 96.9#



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#93

1,2,4-Trichlorobenzene

Concen: 0.205 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060377.D

Acq: 6 Mar 2020 13:57

Instrument :

MSVOA_N

ClientSampleId :

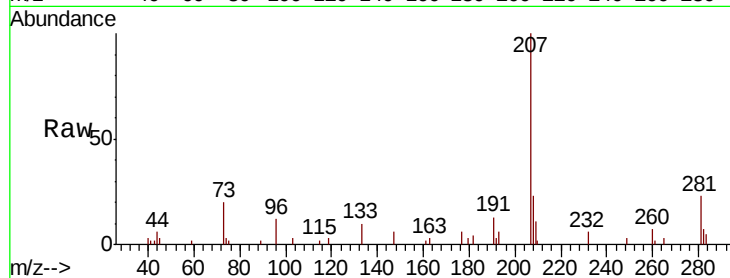
Tot Ion:180 Resp: 312

Ion Ratio Lower Upper

180 100

182 108.0 47.8 143.3

145 0.0 15.4 46.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

