

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060378.D
 Acq On : 6 Mar 2020 14:20
 Operator : JC/MD
 Sample : L1828-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 07 00:55:49 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	190734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	314475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	290785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132899	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	123999	50.67	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.34%		
35) Dibromofluoromethane	7.57	113	88029	60.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	120.62%		
50) Toluene-d8	10.08	98	385696	52.21	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.42%		
62) 4-Bromofluorobenzene	12.40	95	141699	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.20%		

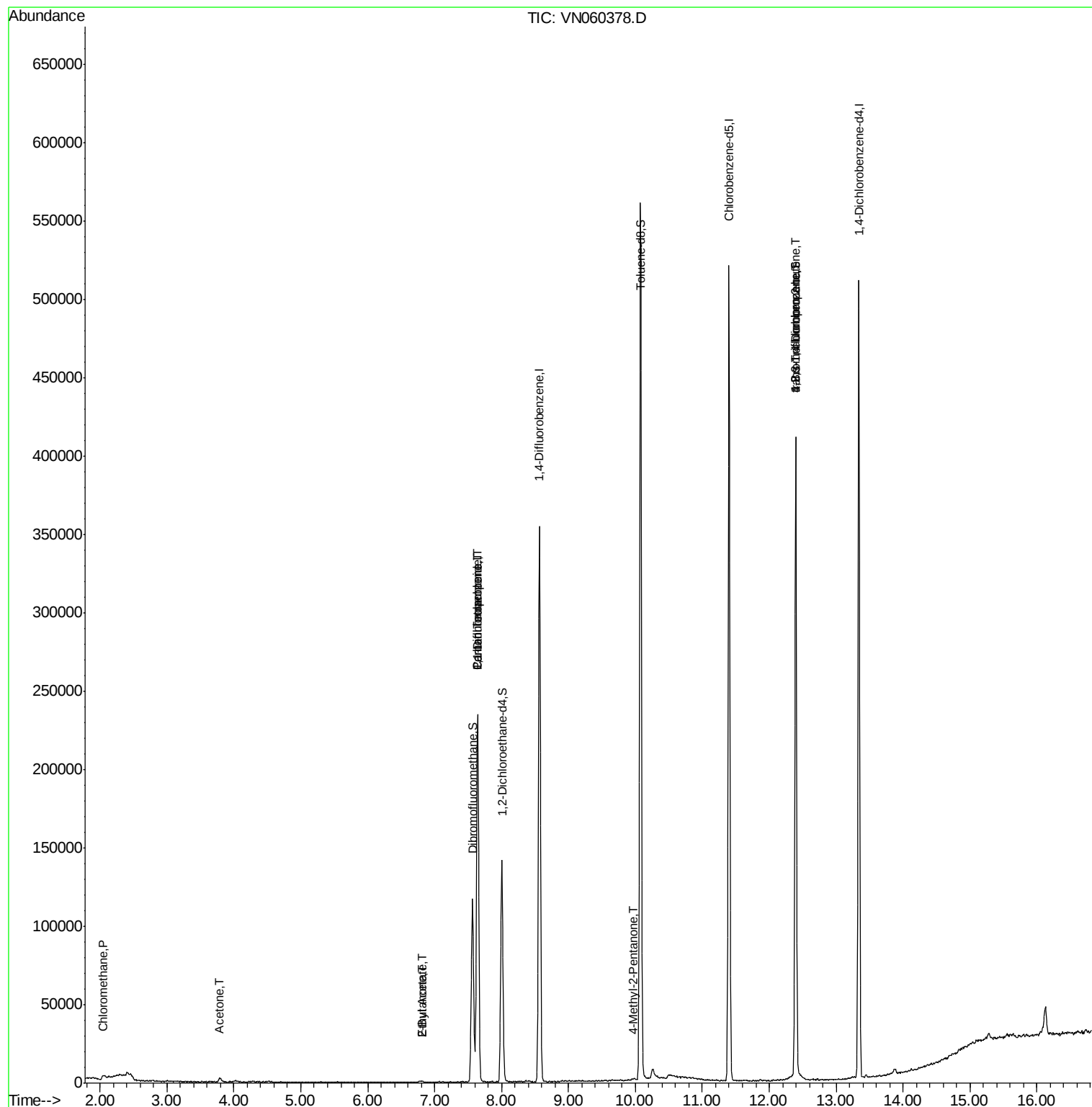
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1044	0.343	ug/l #	85
16) Acetone	3.79	43	4808	6.084	ug/l	92
17) Carbon Disulfide	4.03	76	125	Below Cal	#	75
25) 2-Butanone	6.82	43	804	0.630	ug/l #	49
31) Cyclohexane	7.64	56	3959	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14485	4.833	ug/l #	49
37) Ethyl Acetate	6.82	43	804	0.283	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18886	6.472	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	808	0.287	ug/l #	57
76) 1,2,3-Trichloropropane	12.40	75	73258	25.124	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	73258	69.355	ug/l #	8
87) 1,3-Dichlorobenzene	13.27	146	213	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	281	Below Cal	#	1
95) Naphthalene	15.13	128	574	Below Cal	#	69

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
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: VN060378.D

Acq: 6 Mar 2020 14:20

Instrument :

MSVOA_N

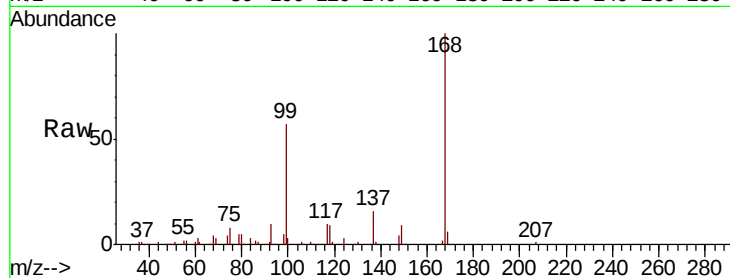
ClientSampled :

Tot Ion:168 Resp: 190734

Ion Ratio Lower Upper

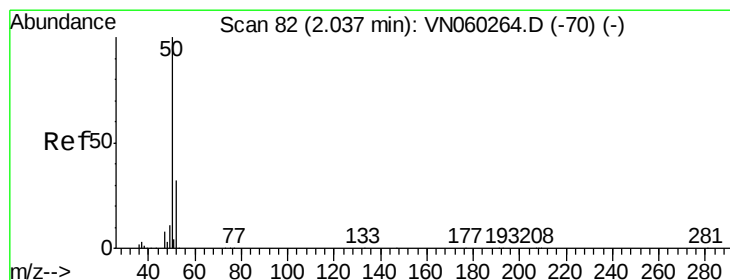
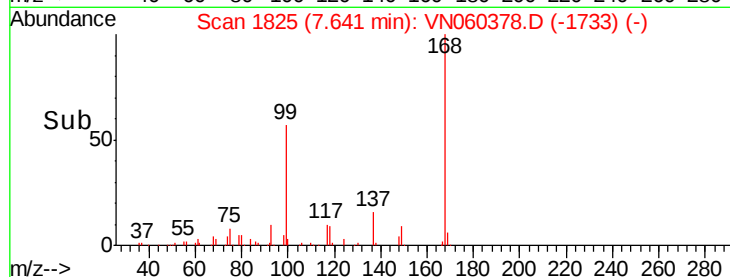
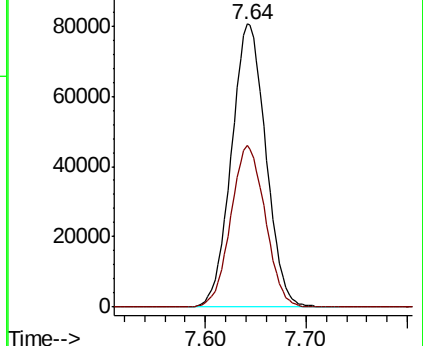
168 100

99 57.0 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: 0.343 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060378.D

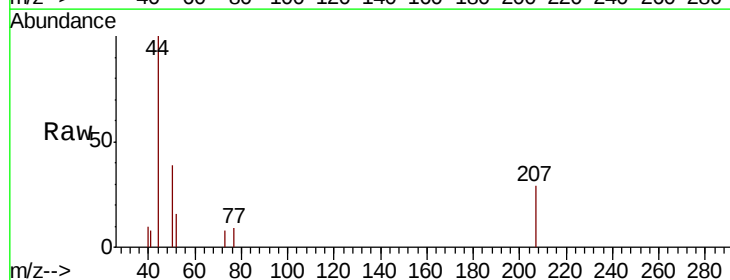
Acq: 6 Mar 2020 14:20

Tgt Ion: 50 Resp: 1044

Ion Ratio Lower Upper

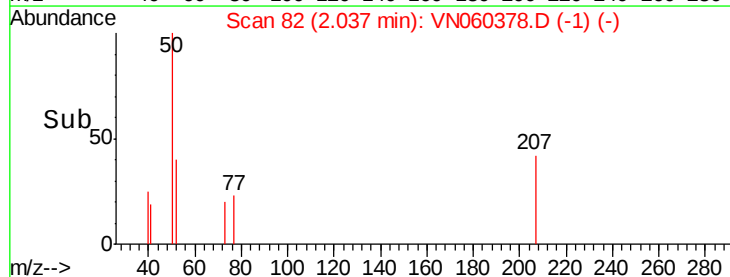
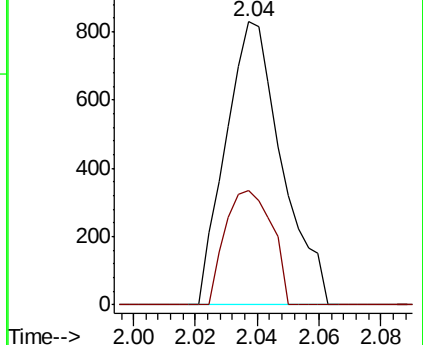
50 100

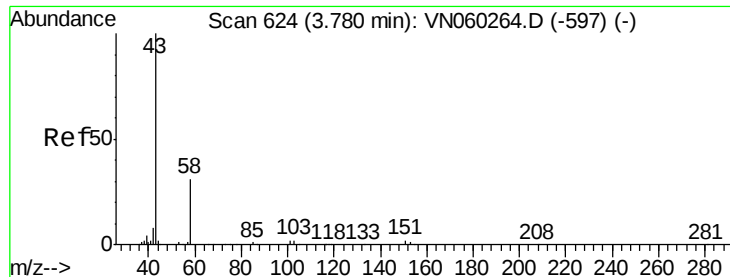
52 40.4 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#16

Acetone

Concen: 6.084 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060378.D

Acq: 6 Mar 2020 14:20

Instrument :

MSVOA_N

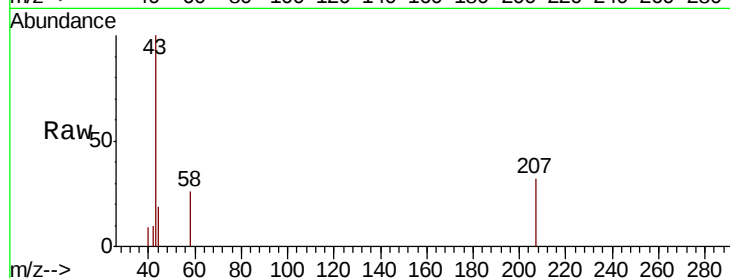
ClientSampleId :

Tot Ion: 43 Resp: 4808

Ion Ratio Lower Upper

43 100

58 26.4 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060378.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060378.D (-531) (-)

3.79

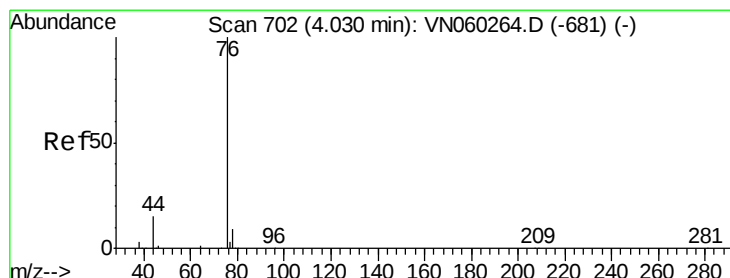
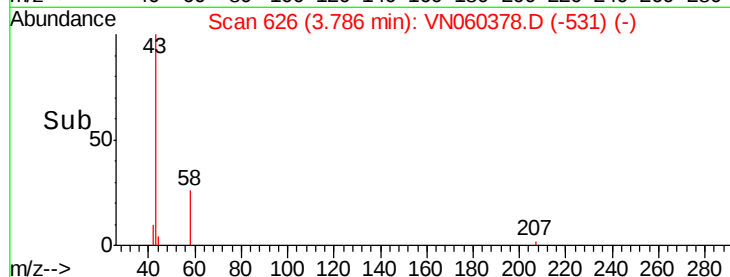
1500

1000

500

0

Time--> 3.70 3.75 3.80 3.85



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060378.D

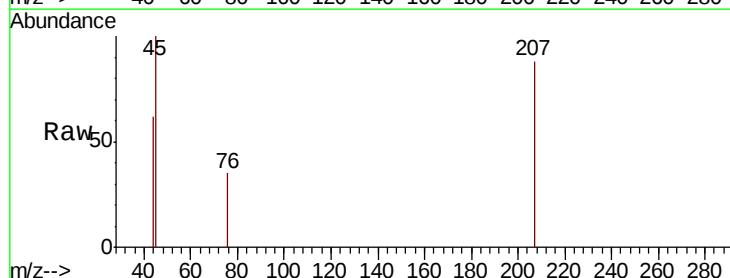
Acq: 6 Mar 2020 14:20

Tgt Ion: 76 Resp: 125

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN060378.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN060378.D (-608) (-)

200

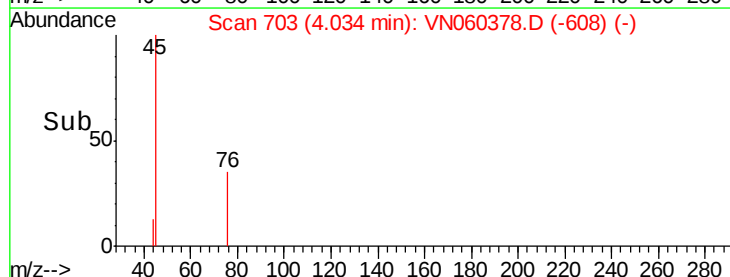
150

100

50

0

Time--> 4.01 4.02 4.03 4.04 4.05





#25

2-Butanone

Concen: 0.630 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.02 min

Lab File: VN060378.D

Acq: 6 Mar 2020 14:20

Instrument :

MSVOA_N

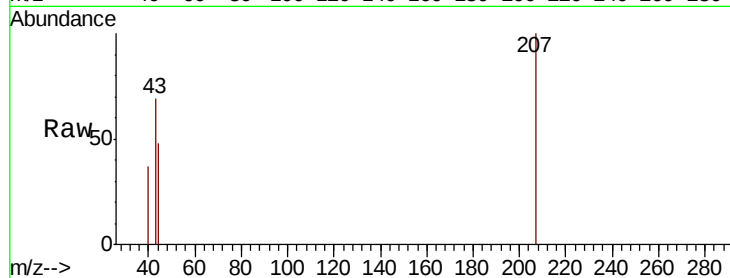
ClientSampleId :

Tot Ion: 43 Resp: 804

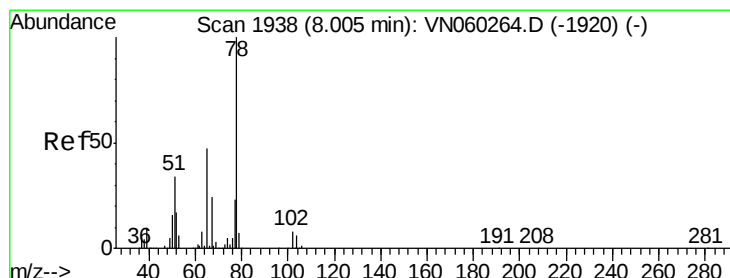
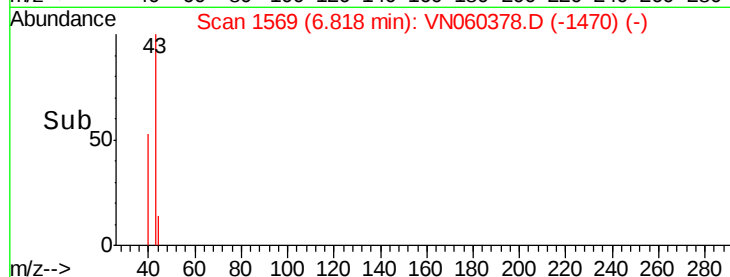
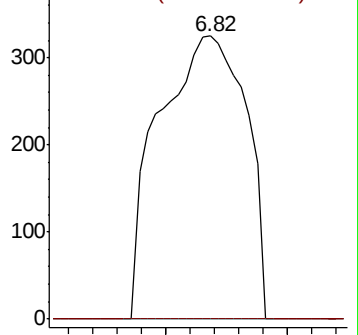
Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1540) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.671 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060378.D

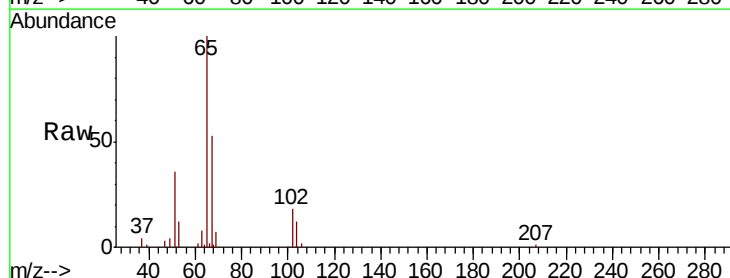
Acq: 6 Mar 2020 14:20

Tgt Ion: 65 Resp: 123999

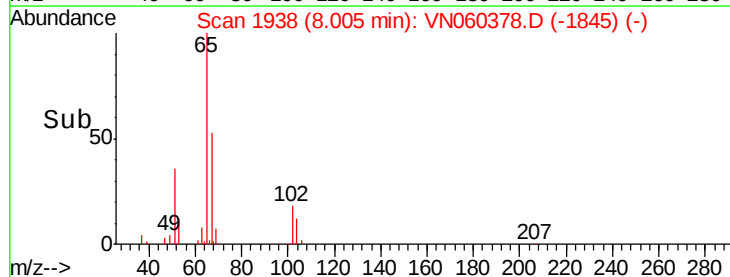
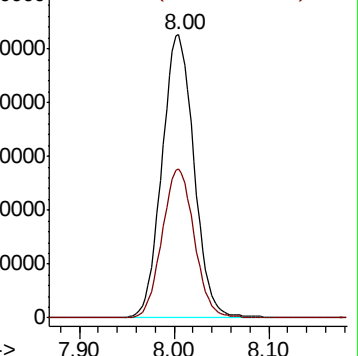
Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060264.D (-1920) (-)

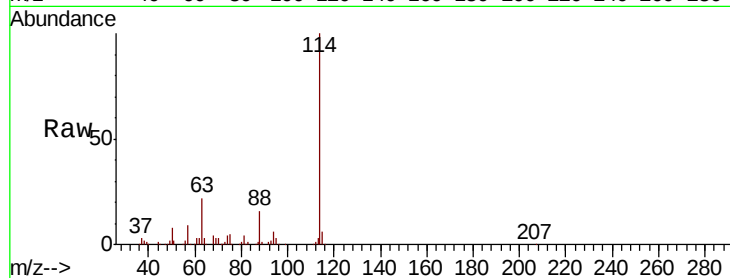




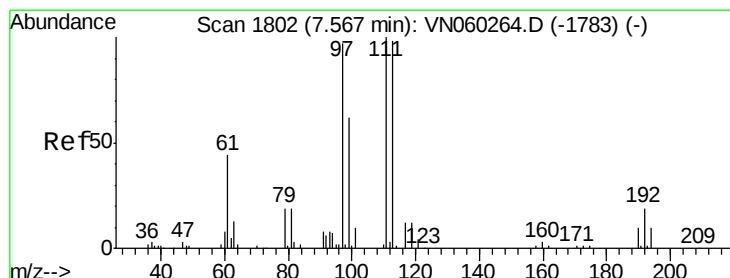
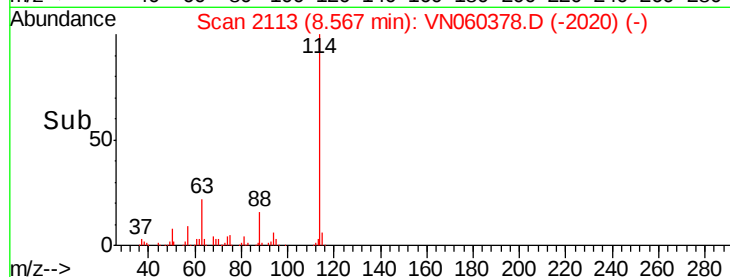
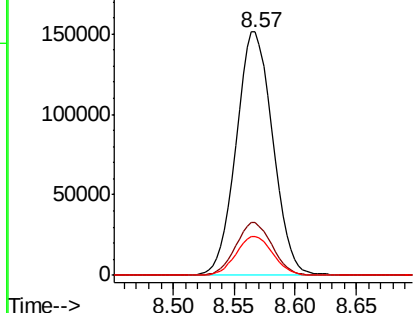
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060378.D
 Acq: 6 Mar 2020 14:20

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 314475
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.2
 88 16.2 0.0 31.6

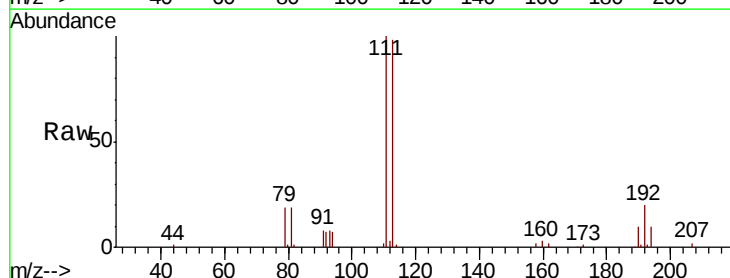


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

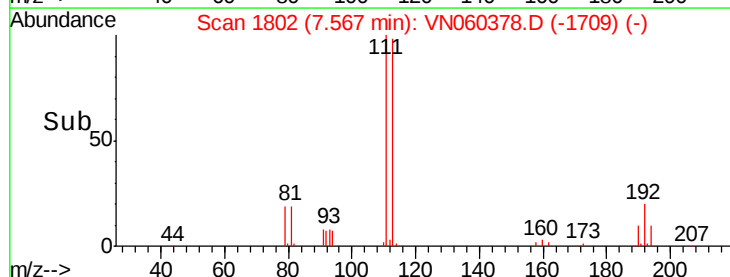
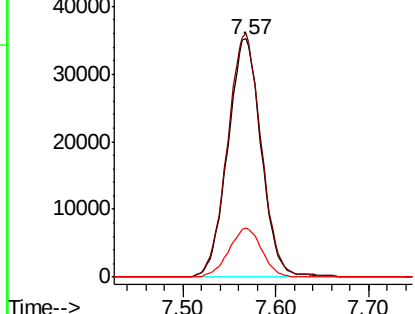


#35
 Dibromofluoromethane
 Concen: 60.307 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060378.D
 Acq: 6 Mar 2020 14:20

Tgt Ion:113 Resp: 88029
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 20.2 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: 4.833 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060378.D

Acq: 6 Mar 2020 14:20

Instrument :

MSVOA_N

ClientSampled :

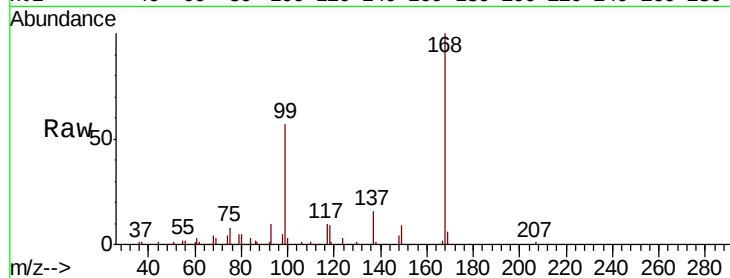
Tot Ion: 75 Resp: 14485

Ion Ratio Lower Upper

75 100

110 7.4 17.3 52.0#

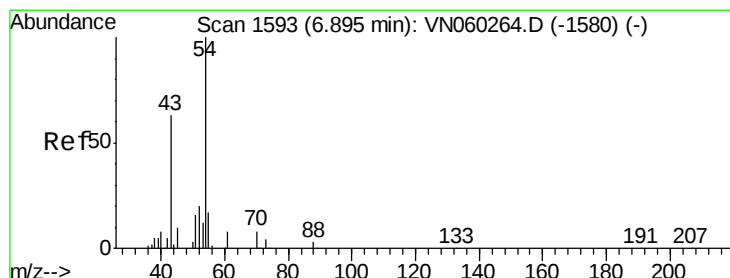
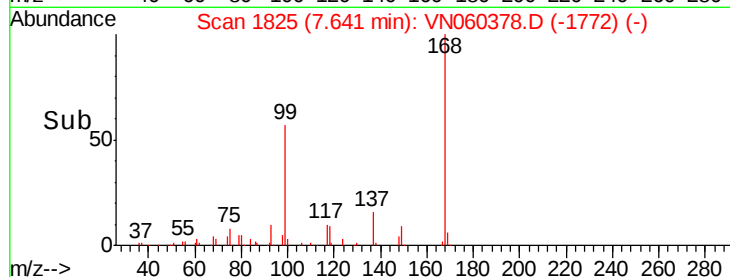
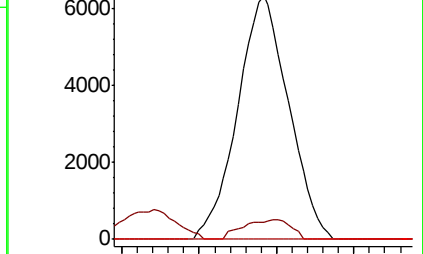
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060378.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060378.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060378.D (-1772) (-)



#37

Ethyl Acetate

Concen: 0.283 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.08 min

Lab File: VN060378.D

Acq: 6 Mar 2020 14:20

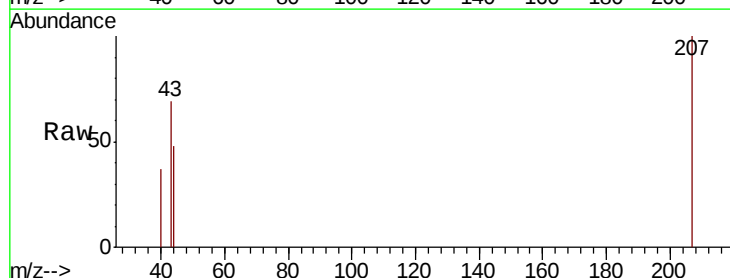
Tgt Ion: 43 Resp: 804

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

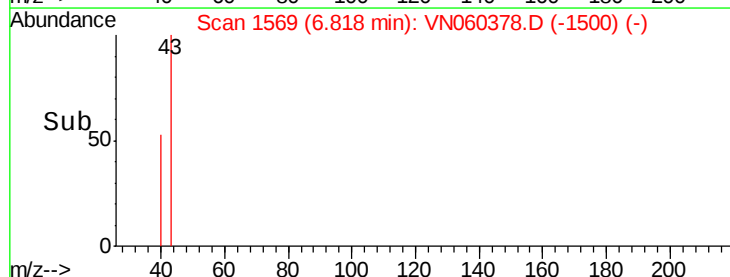
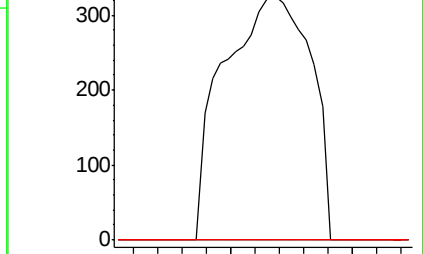
70 0.0 8.4 12.6#

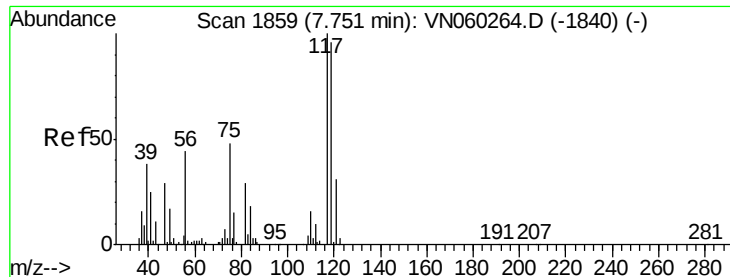


Abundance Ion 43.00 (42.70 to 43.70): VN060378.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060378.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060378.D (-1500) (-)

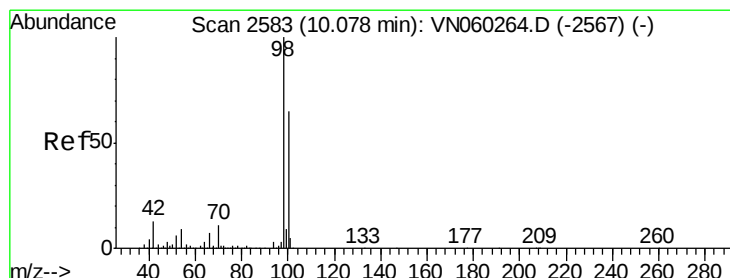
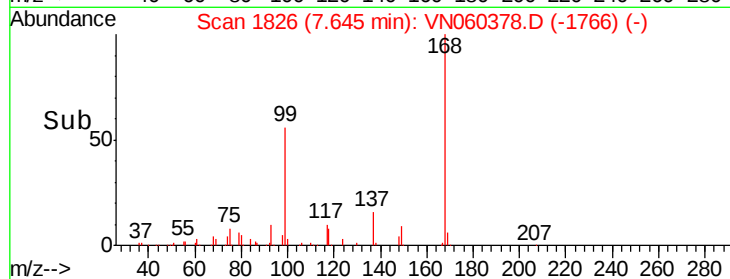
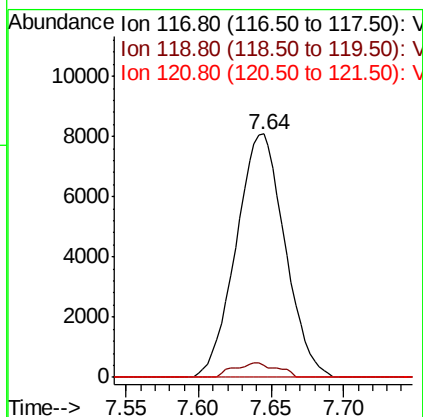
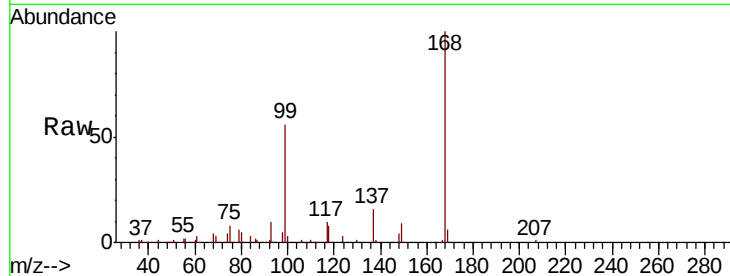




#38
Carbon Tetrachloride
Concen: 6.472 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060378.D
Acq: 6 Mar 2020 14:20

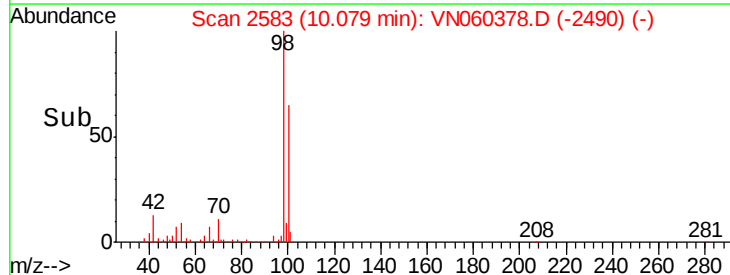
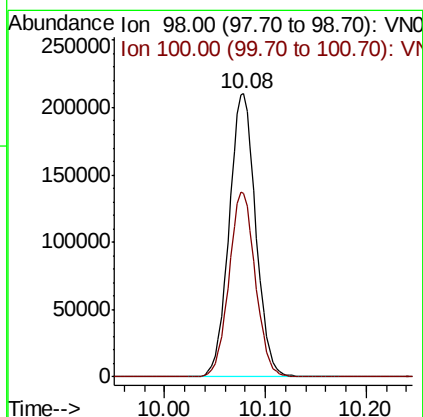
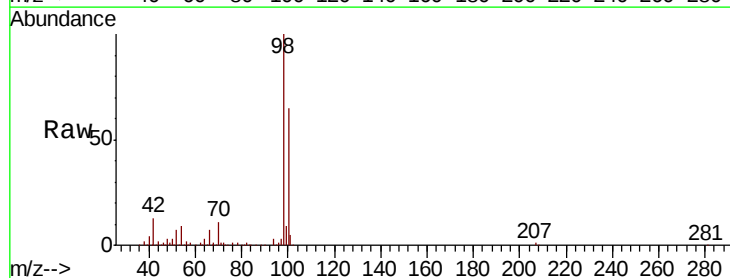
Instrument :
MSVOA_N
ClientSampled :

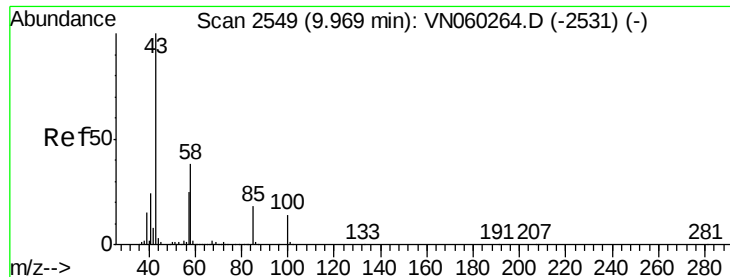
Tot Ion:117 Resp: 18886
Ion Ratio Lower Upper
117 100
119 4.7 76.7 115.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.208 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060378.D
Acq: 6 Mar 2020 14:20

Tgt Ion: 98 Resp: 385696
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2

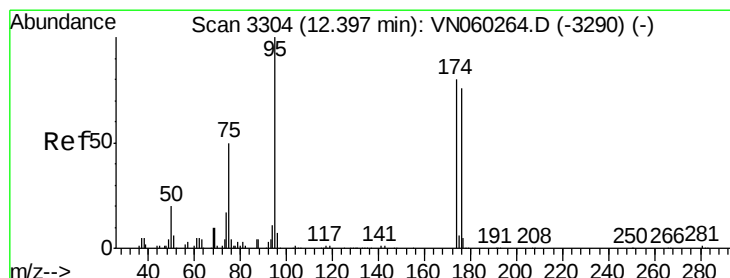
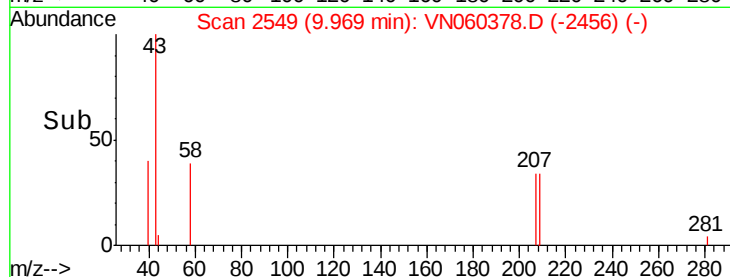
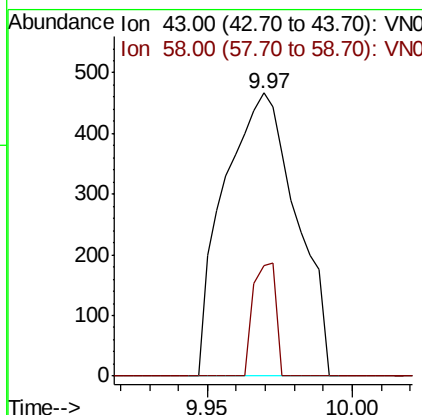
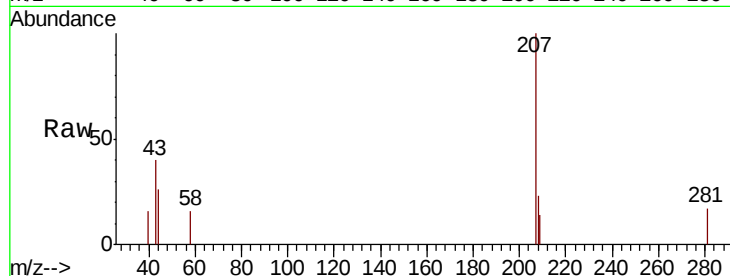




#51
4-Methyl-2-Pentanone
Concen: 0.287 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060378.D
Acq: 6 Mar 2020 14:20

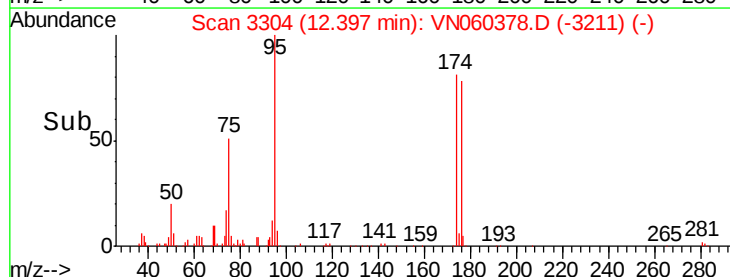
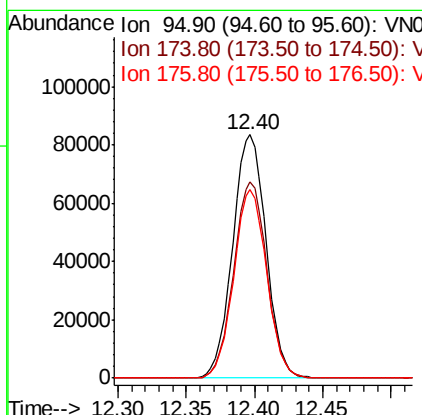
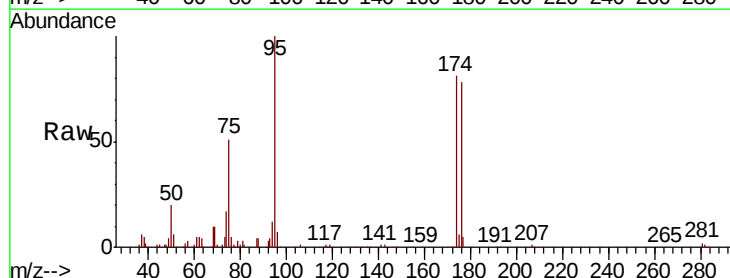
Instrument :
MSVOA_N
ClientSampled :

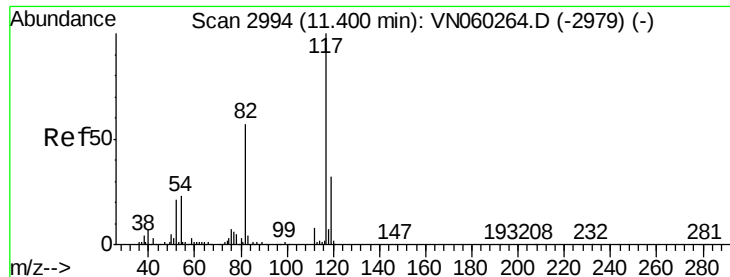
Tot Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
58 12.5 30.9 46.3#



#62
4-Bromofluorobenzene
Concen: 50.598 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060378.D
Acq: 6 Mar 2020 14:20

Tgt Ion: 95 Resp: 141699
Ion Ratio Lower Upper
95 100
174 80.1 0.0 159.2
176 76.5 0.0 153.8

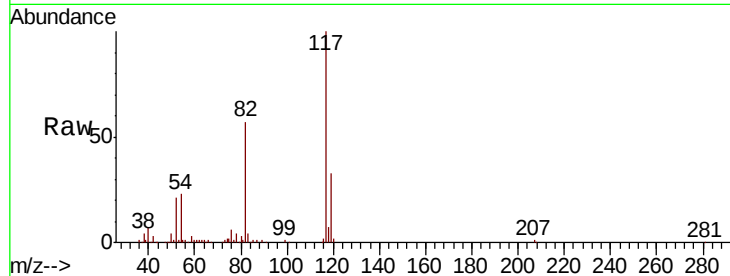




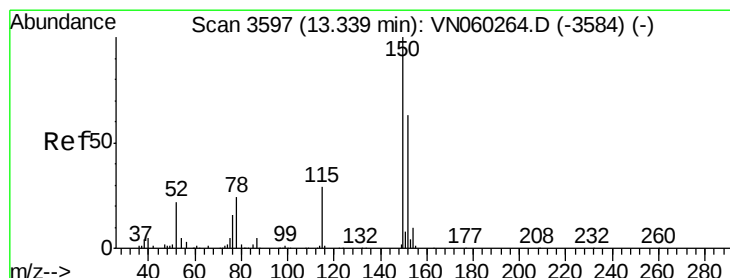
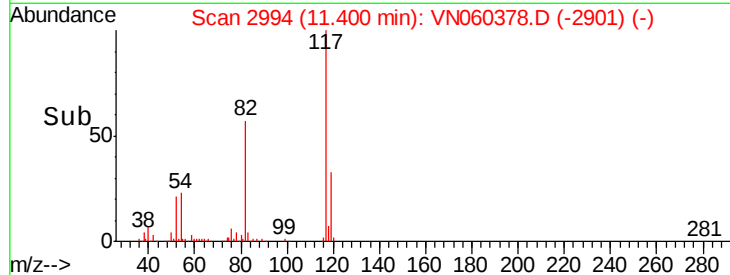
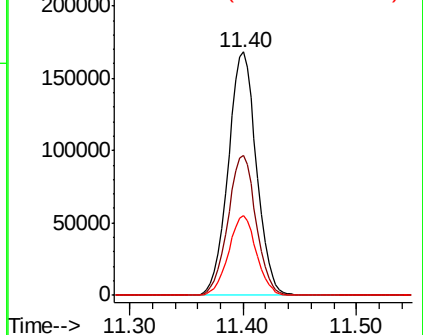
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060378.D
Acq: 6 Mar 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 290785
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.6
119 32.7 25.8 38.8

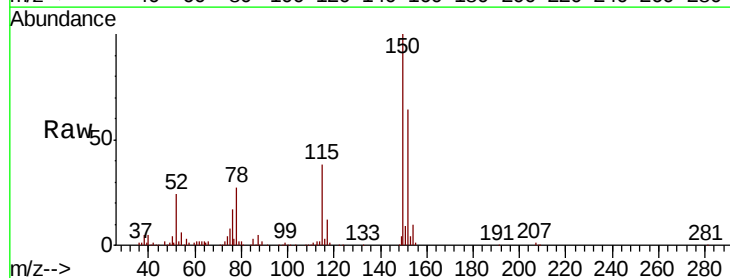


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

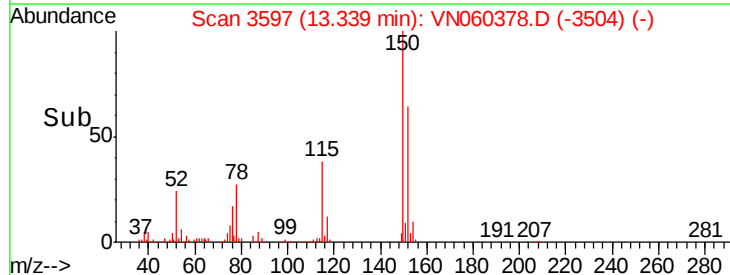
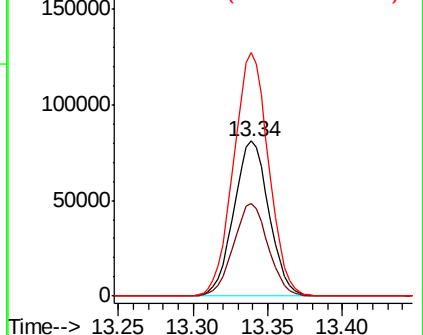


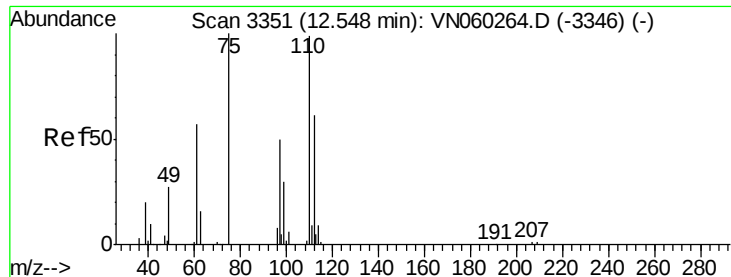
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060378.D
Acq: 6 Mar 2020 14:20

Tgt Ion:152 Resp: 132899
Ion Ratio Lower Upper
152 100
115 58.8 30.0 90.0
150 156.8 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: 25.124 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060378.D

Acq: 6 Mar 2020 14:20

Instrument :

MSVOA_N

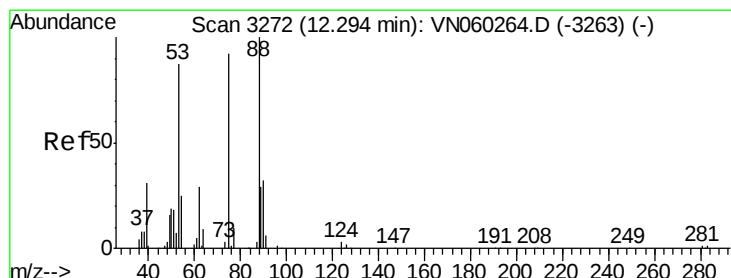
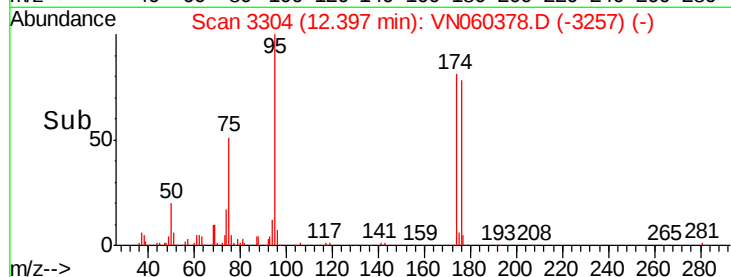
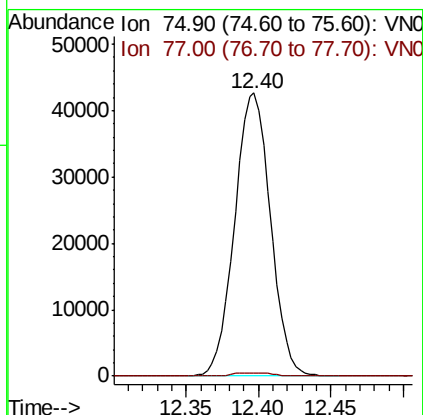
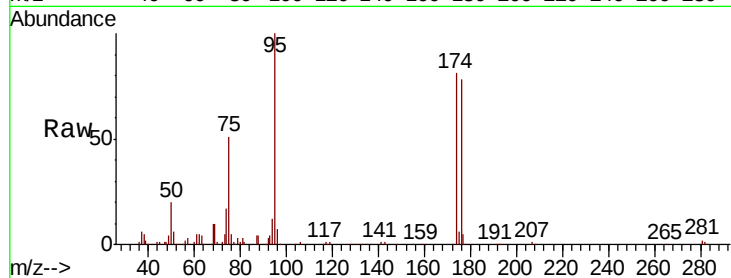
ClientSampleId :

Tot Ion: 75 Resp: 73258

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.355 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060378.D

Acq: 6 Mar 2020 14:20

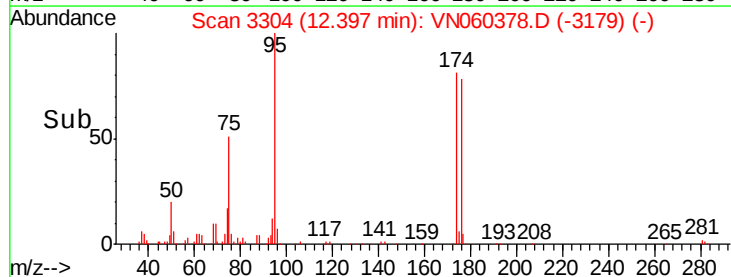
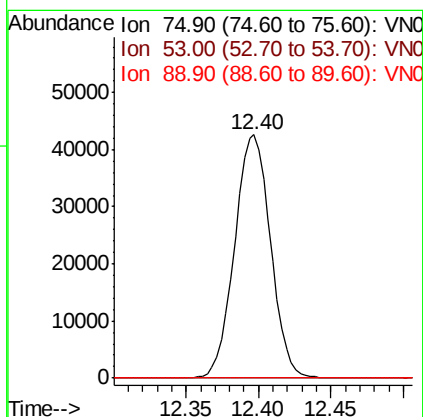
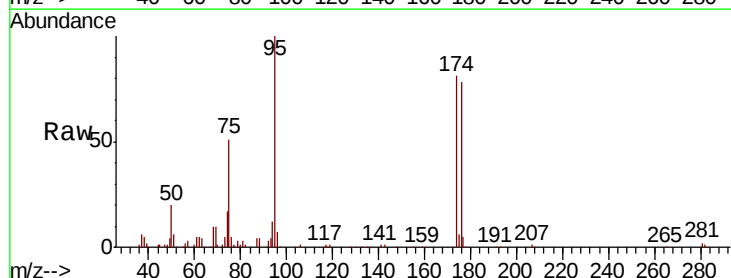
Tgt Ion: 75 Resp: 73258

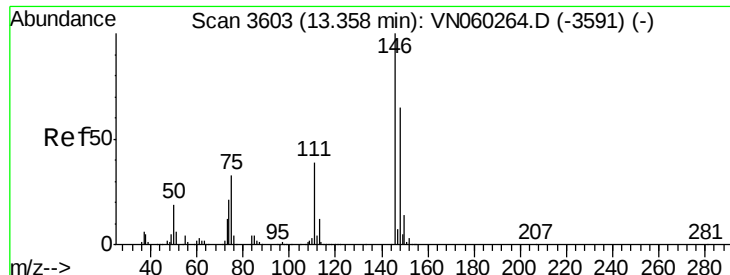
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060378.D

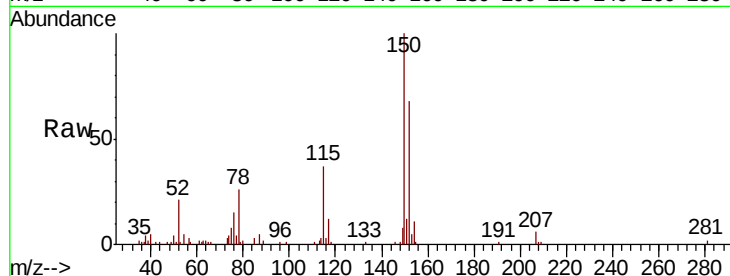
Acq: 6 Mar 2020 14:20

Instrument :

MSVOA_N

ClientSampled :

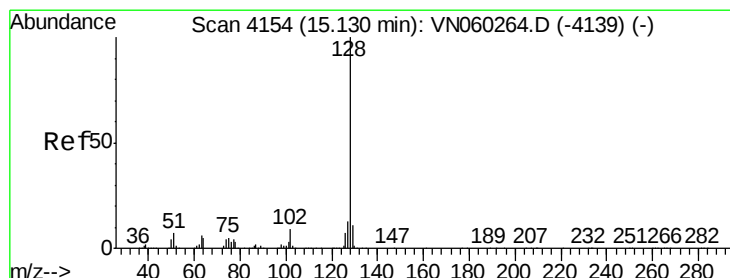
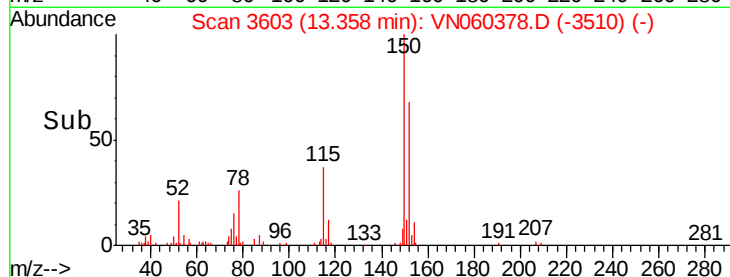
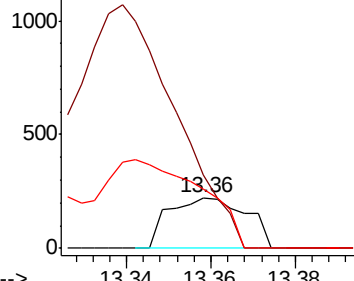
Tot Ion:	146	Resp:	281
Ion	Ratio	Lower	Upper
146	100		
111	640.2	19.8	59.4#
148	266.5	32.3	96.9#



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



#95

Naphthalene

Concen: Below Cal

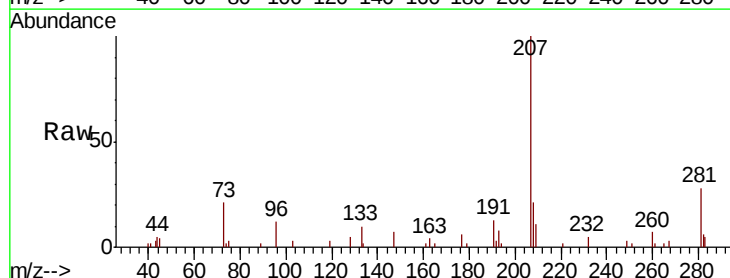
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060378.D

Acq: 6 Mar 2020 14:20

Tgt Ion:	128	Resp:	574
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#



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

