

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060379.D
 Acq On : 6 Mar 2020 14:43
 Operator : JC/MD
 Sample : L1802-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 07 00:56:01 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	187348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	306952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	122724	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
35) Dibromofluoromethane	7.57	113	88567	62.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.32%	
50) Toluene-d8	10.08	98	379943	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
62) 4-Bromofluorobenzene	12.40	95	139939	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

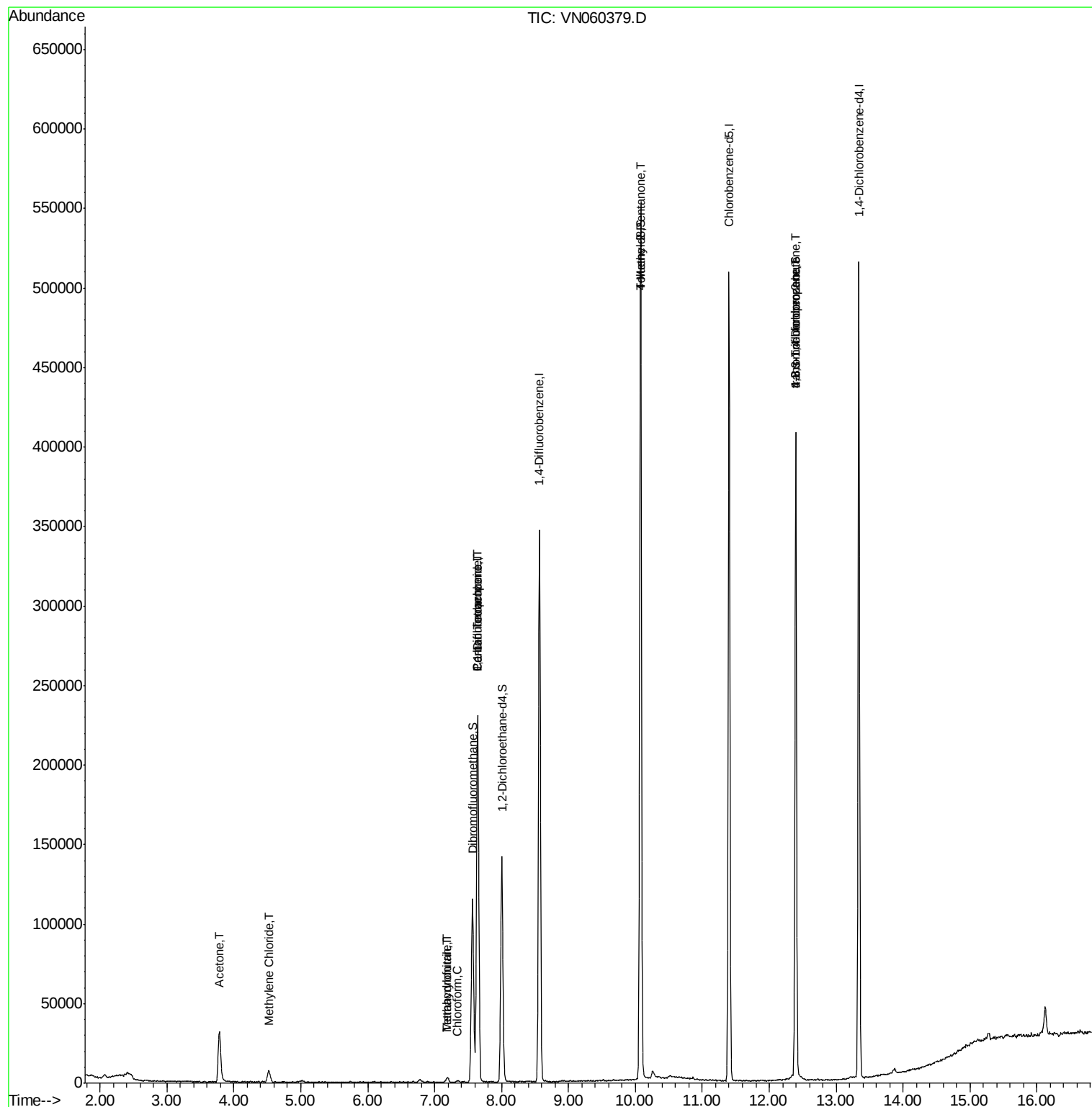
					Qvalue	
16) Acetone	3.78	43	55674	71.724	ug/l	97
17) Carbon Disulfide	4.02	76	92	Below Cal	#	75
20) Methylene Chloride	4.52	84	5779	2.711	ug/l #	92
29) Tetrahydrofuran	7.19	42	2347	2.692	ug/l #	87
30) Chloroform	7.34	83	1004	0.265	ug/l	94
31) Cyclohexane	7.64	56	4134	Below Cal	#	12
36) 1,1-Dichloropropene	7.64	75	14693	5.023	ug/l #	46
38) Carbon Tetrachloride	7.64	117	18357	6.445	ug/l #	16
41) Methacrylonitrile	7.19	41	1607	1.256	ug/l #	100
51) 4-Methyl-2-Pentanone	10.07	43	1693	0.616	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	71918	24.698	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	71918	68.177	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	138	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.37	146	94	Below Cal	#	25
95) Naphthalene	15.13	128	329	Below Cal	#	69

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

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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# 1826

Delta R.T. 0.00 min

Lab File: VN060379.D

Acq: 6 Mar 2020 14:43

Instrument :

MSVOA_N

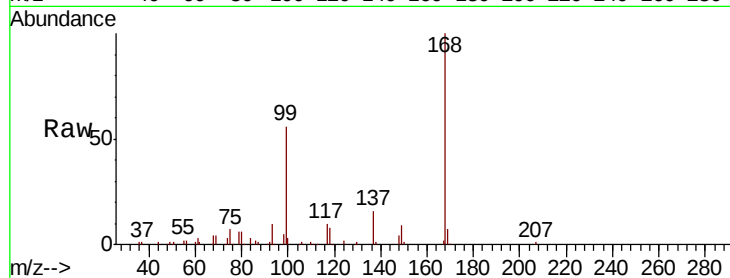
ClientSampled :

Tot Ion:168 Resp: 187348

Ion Ratio Lower Upper

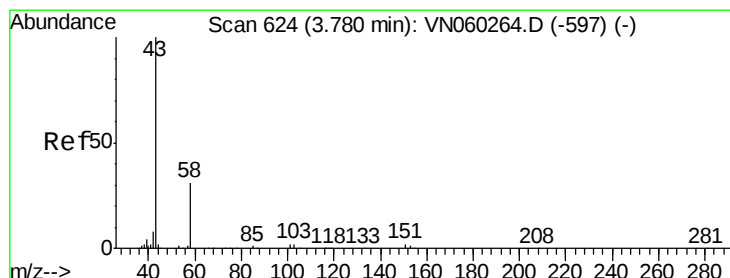
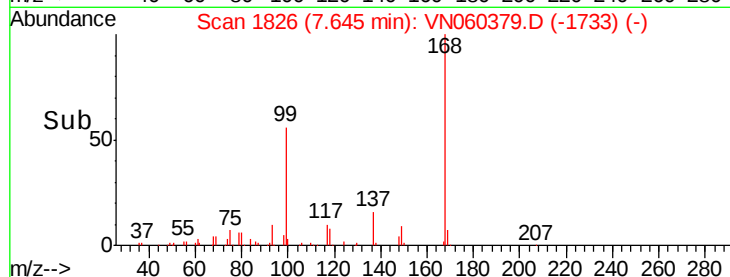
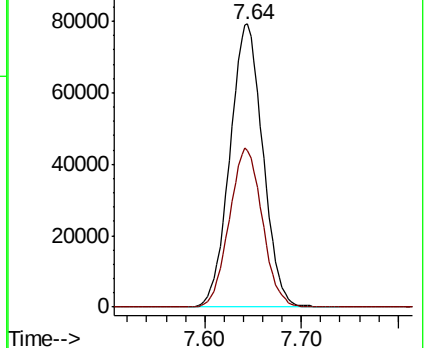
168 100

99 55.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 71.724 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060379.D

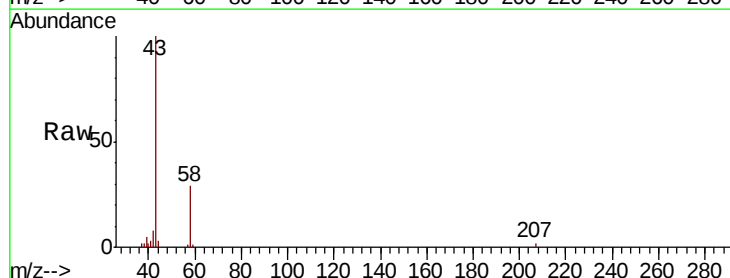
Acq: 6 Mar 2020 14:43

Tgt Ion: 43 Resp: 55674

Ion Ratio Lower Upper

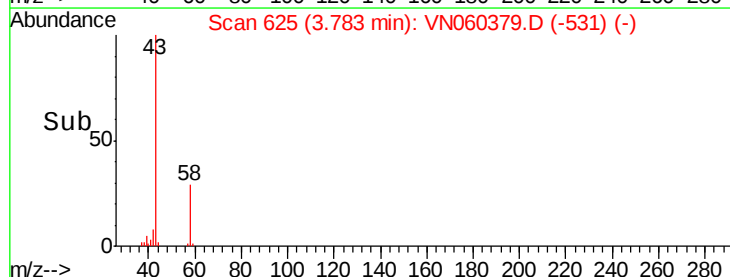
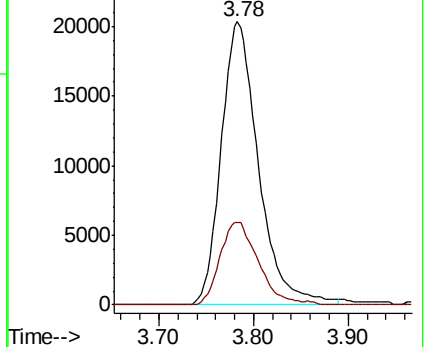
43 100

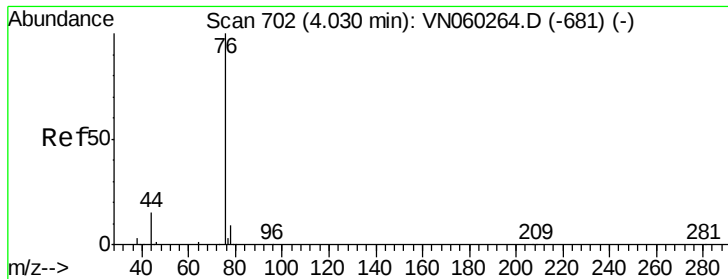
58 29.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

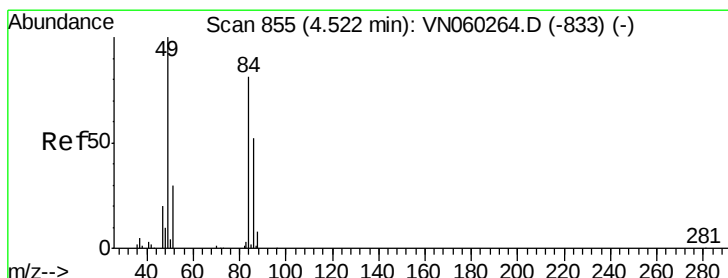
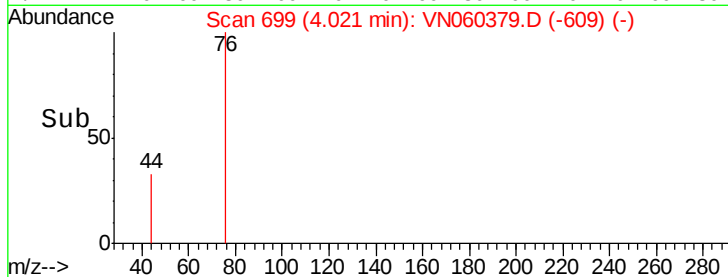
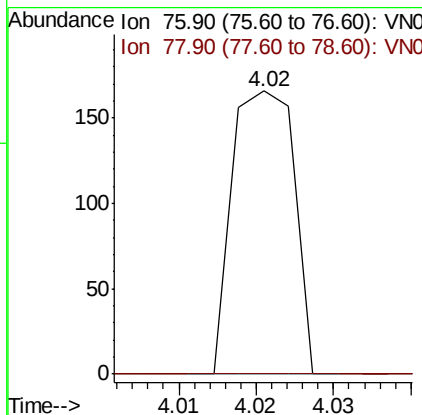
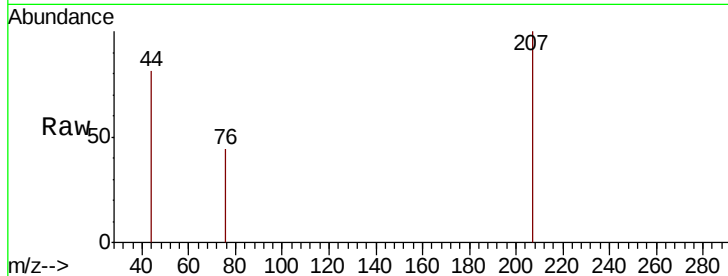




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.02 min Scan# 699
Delta R.T. -0.01 min
Lab File: VN060379.D
Acq: 6 Mar 2020 14:43

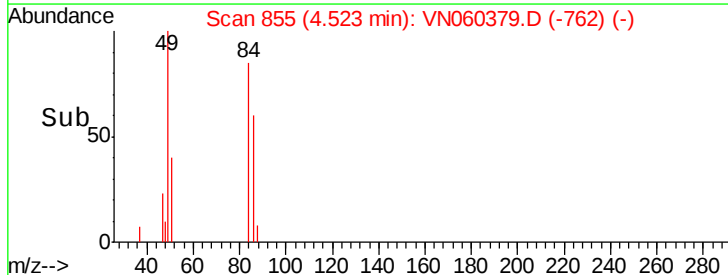
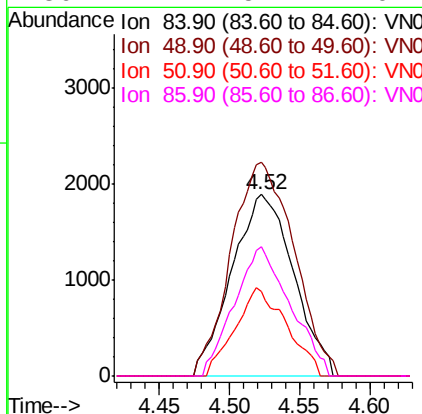
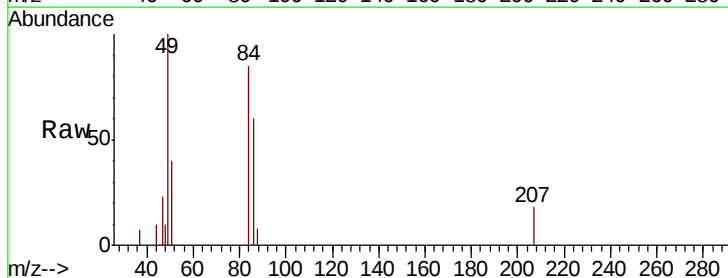
Instrument :
MSVOA_N
ClientSampleId :

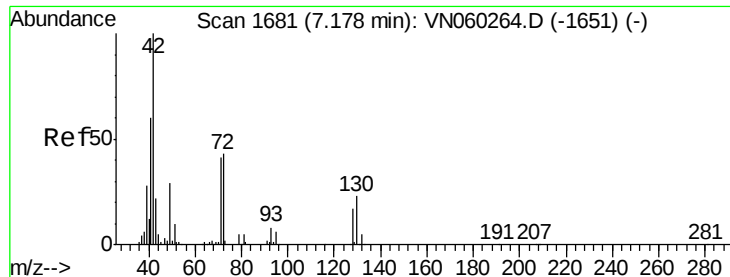
Tot Ion: 76 Resp: 92
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 2.711 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060379.D
Acq: 6 Mar 2020 14:43

Tgt Ion: 84 Resp: 5779
Ion Ratio Lower Upper
84 100
49 117.9 99.3 148.9
51 46.8 30.1 45.1#
86 71.2 51.1 76.7





#29

Tetrahydrofuran

Concen: 2.692 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN060379.D

Acq: 6 Mar 2020 14:43

Instrument :

MSVOA_N

ClientSampled :

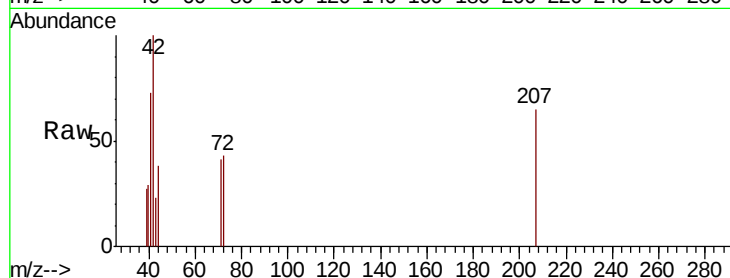
Tot Ion: 42 Resp: 2347

Ion Ratio Lower Upper

42 100

72 32.7 34.6 52.0#

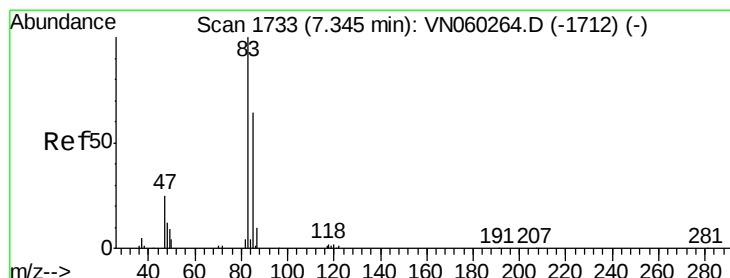
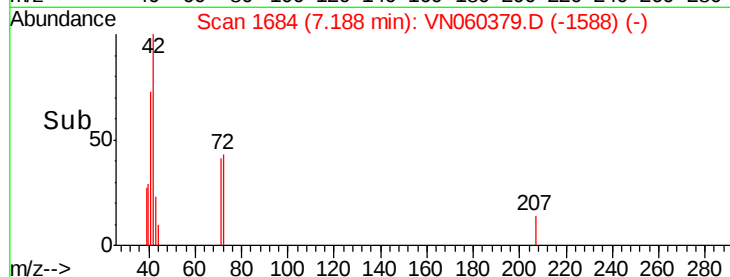
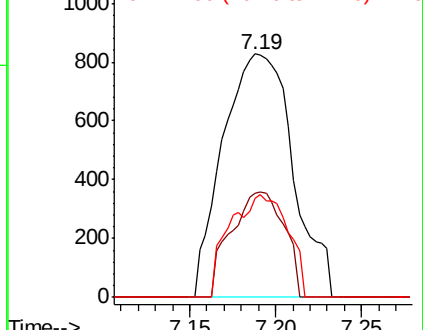
71 35.0 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 0.265 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060379.D

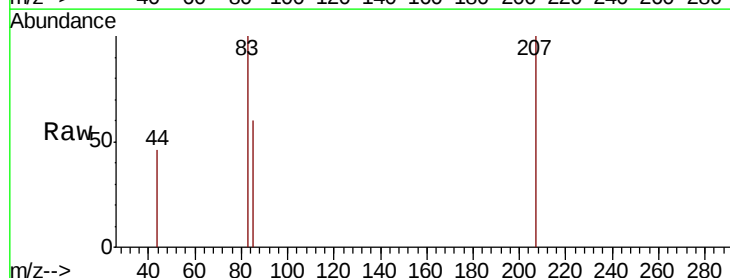
Acq: 6 Mar 2020 14:43

Tgt Ion: 83 Resp: 1004

Ion Ratio Lower Upper

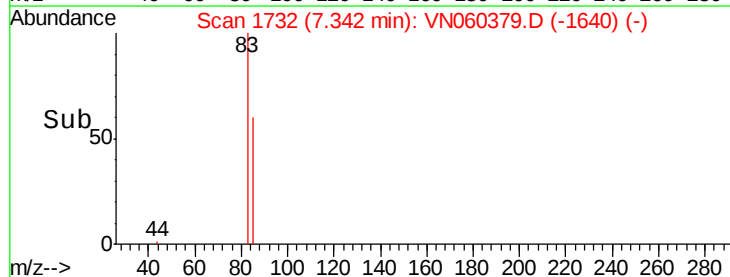
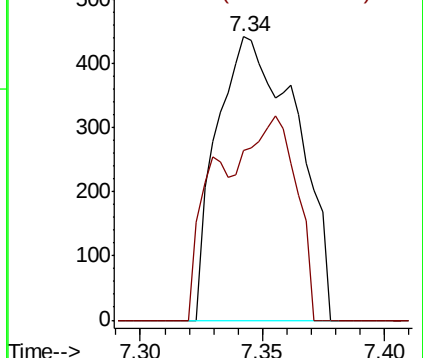
83 100

85 59.9 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

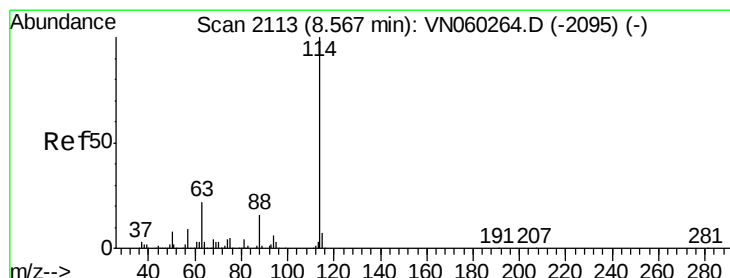
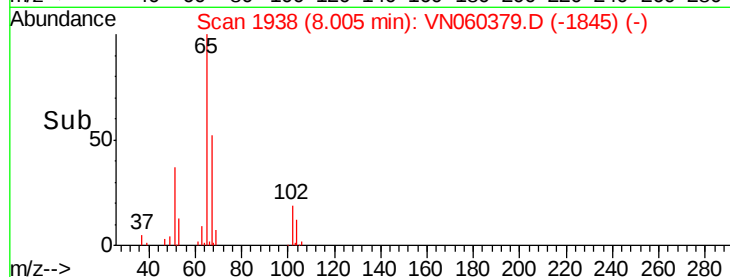
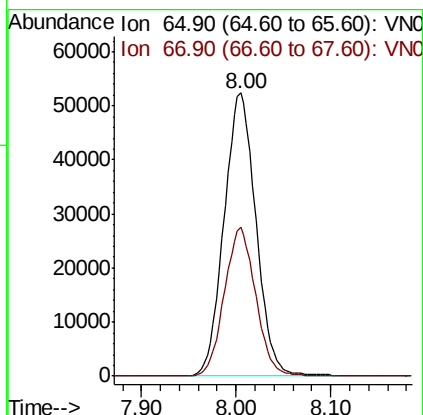
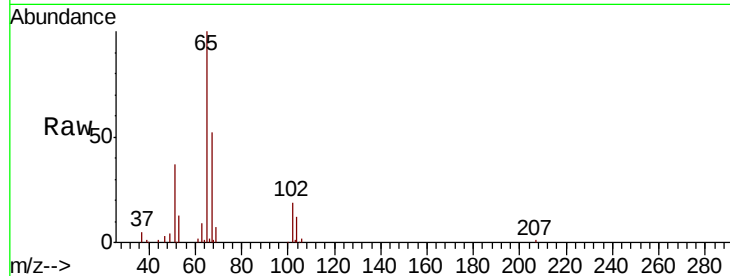




#33
 1,2-Dichloroethane-d4
 Concen: 51.056 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060379.D
 Acq: 6 Mar 2020 14:43

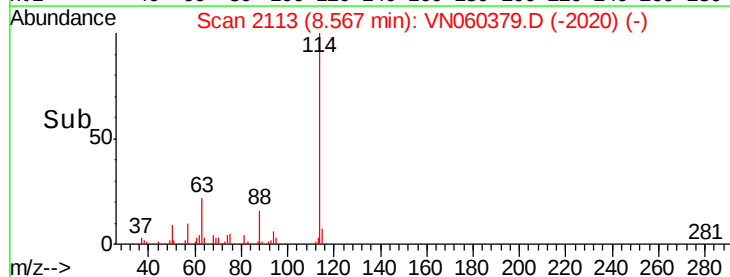
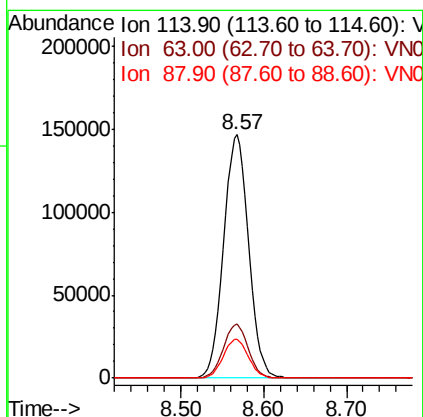
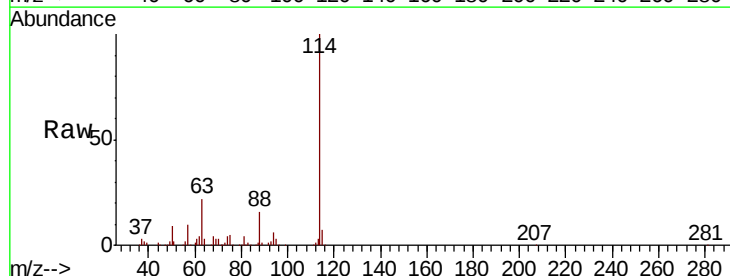
Instrument :
 MSVOA_N
 ClientSampleId :

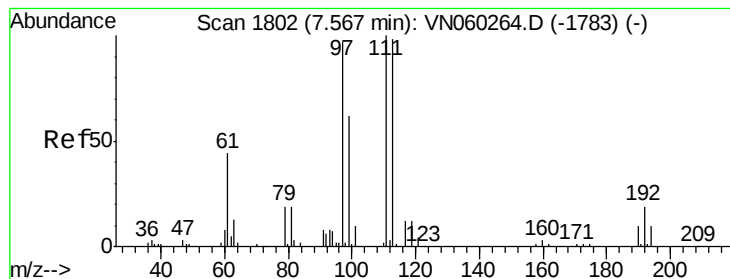
Tot Ion: 65 Resp: 122724
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060379.D
 Acq: 6 Mar 2020 14:43

Tgt Ion: 114 Resp: 306952
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 62.162 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060379.D

Acq: 6 Mar 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :

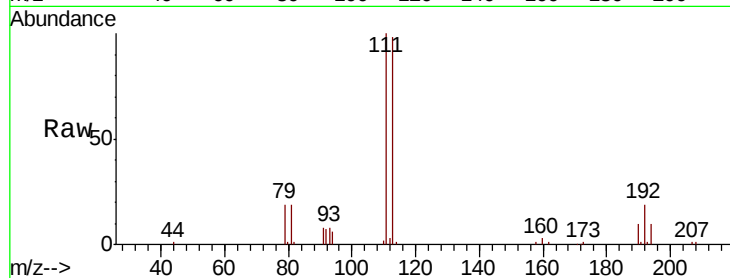
Tot Ion:113 Resp: 88567

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

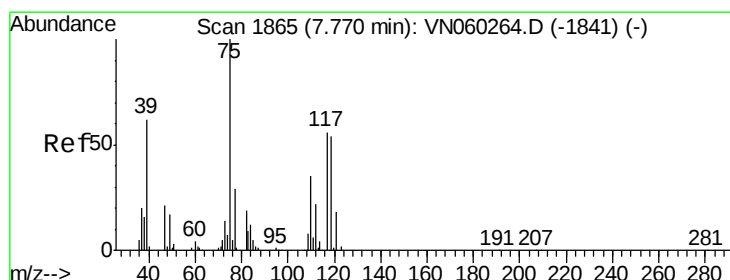
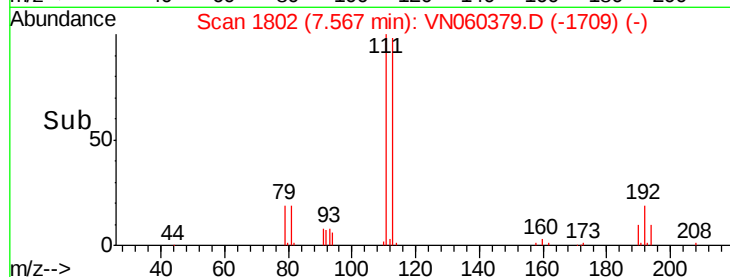
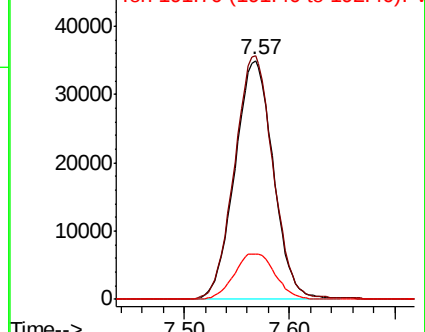
192 20.1 16.2 24.2



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: 5.023 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060379.D

Acq: 6 Mar 2020 14:43

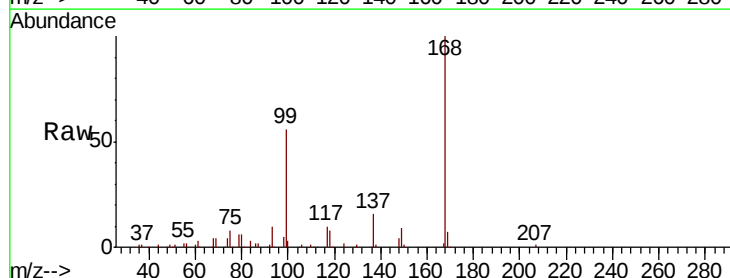
Tgt Ion: 75 Resp: 14693

Ion Ratio Lower Upper

75 100

110 4.2 17.3 52.0#

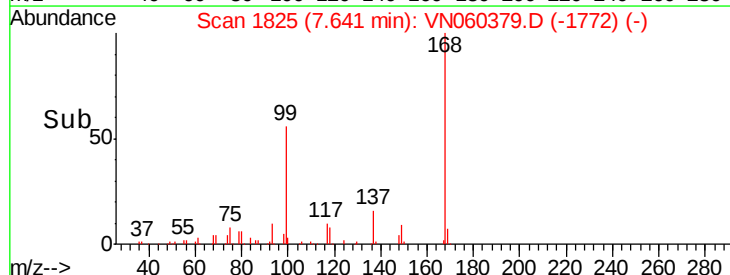
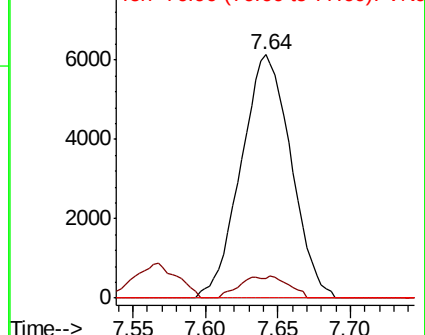
77 0.0 24.2 36.2#

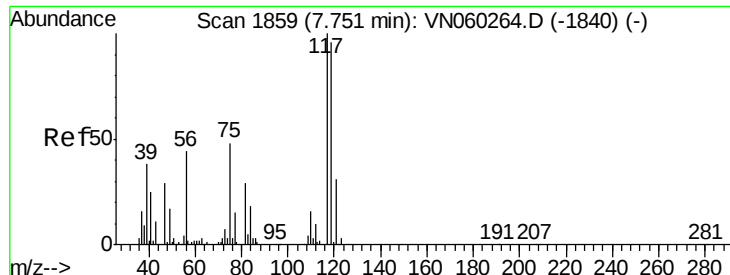


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.445 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060379.D

Acq: 6 Mar 2020 14:43

Instrument :

MSVOA_N

ClientSampled :

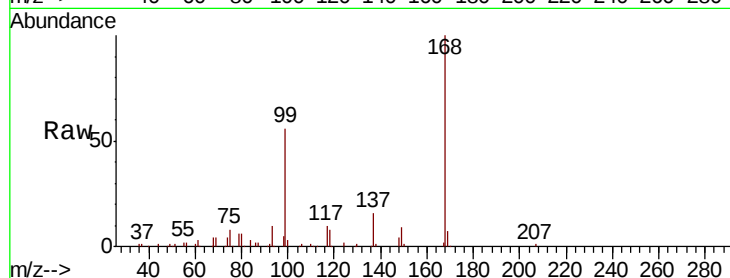
Tot Ion:117 Resp: 18357

Ion Ratio Lower Upper

117 100

119 4.6 76.7 115.1#

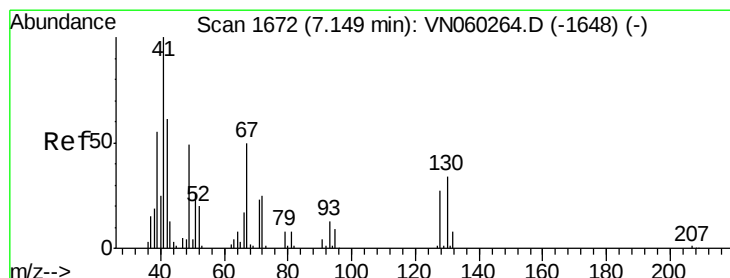
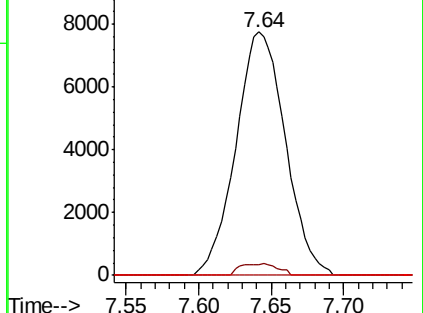
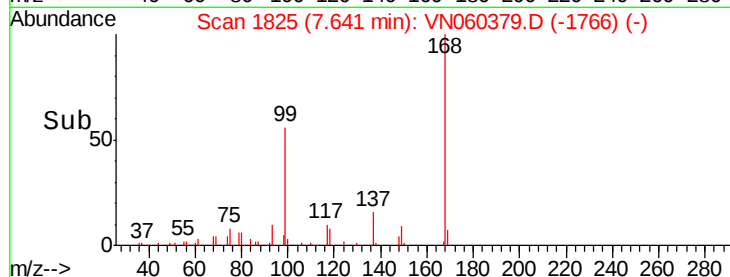
121 0.0 24.5 36.7#



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



#41

Methacrylonitrile

Concen: 1.256 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.04 min

Lab File: VN060379.D

Acq: 6 Mar 2020 14:43

Tgt Ion: 41 Resp: 1607

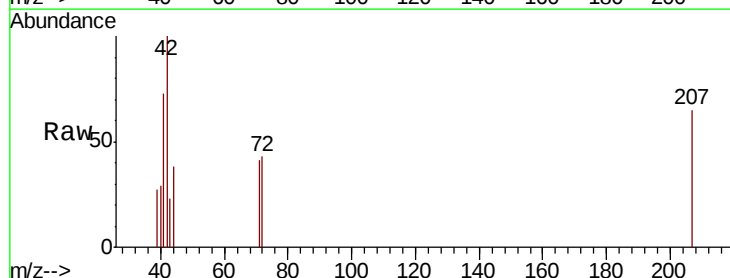
Ion Ratio Lower Upper

41 100

39 13.6 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

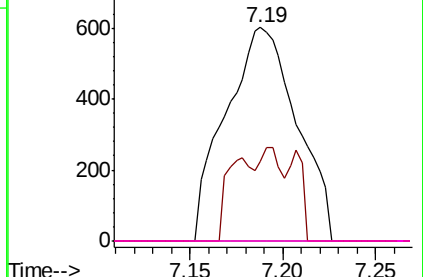
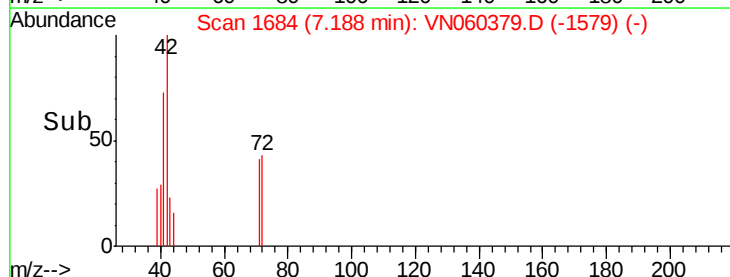


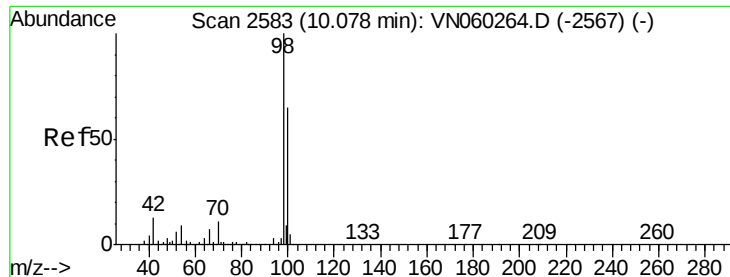
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#50

Toluene-d8

Concen: 52.690 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060379.D

Acq: 6 Mar 2020 14:43

Instrument :

MSVOA_N

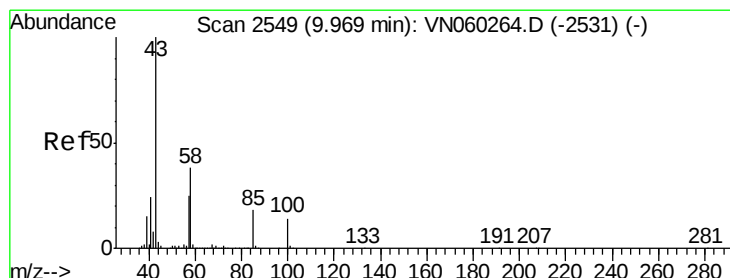
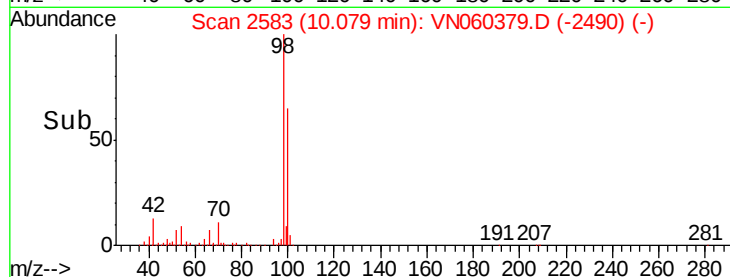
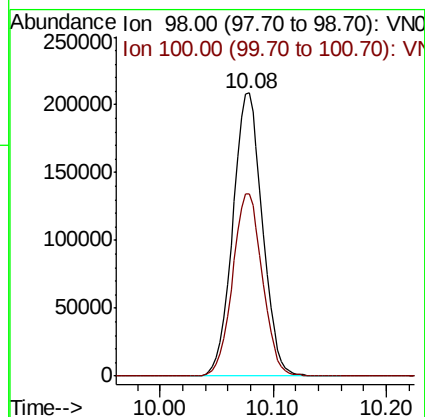
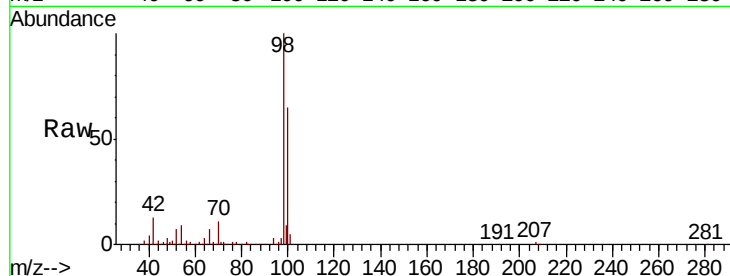
ClientSampleId :

Tot Ion: 98 Resp: 379943

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.616 ug/l

RT: 10.07 min Scan# 2581

Delta R.T. 0.10 min

Lab File: VN060379.D

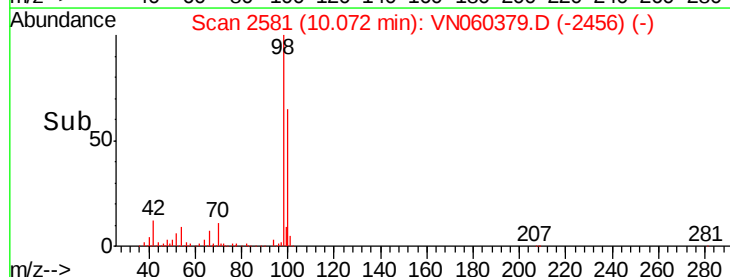
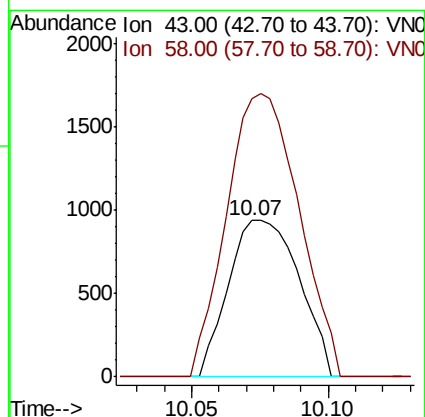
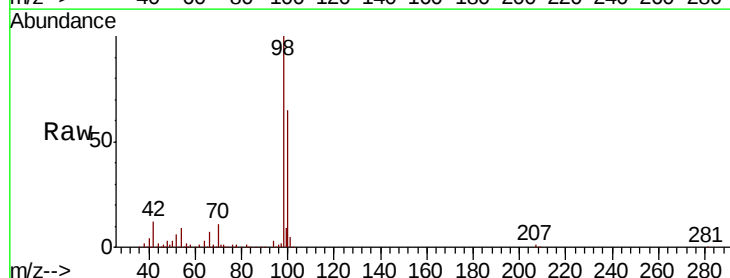
Acq: 6 Mar 2020 14:43

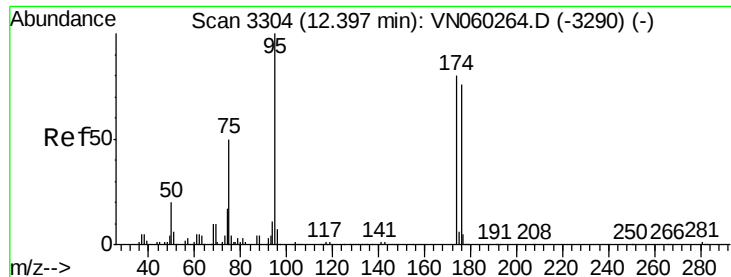
Tgt Ion: 43 Resp: 1693

Ion Ratio Lower Upper

43 100

58 184.9 30.9 46.3#





#62

4-Bromofluorobenzene

Concen: 51.194 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060379.D

Acq: 6 Mar 2020 14:43

Instrument :

MSVOA_N

ClientSampled :

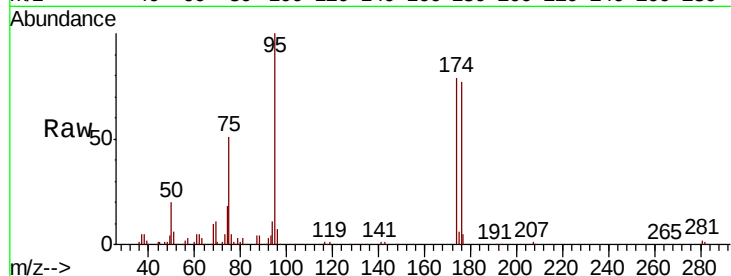
Tot Ion: 95 Resp: 139939

Ion Ratio Lower Upper

95 100

174 79.2 0.0 159.2

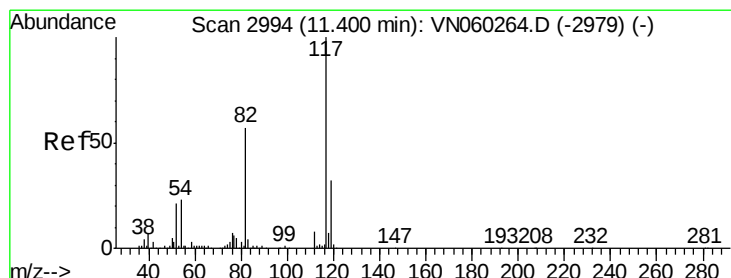
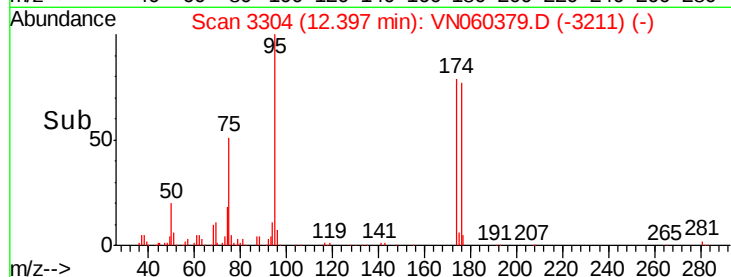
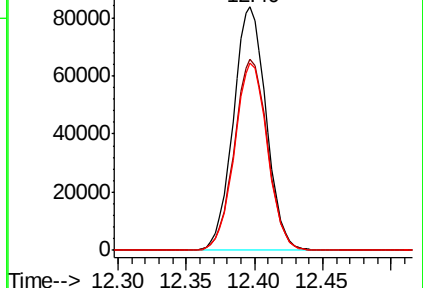
176 77.2 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060379.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060379.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060379.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060379.D

Acq: 6 Mar 2020 14:43

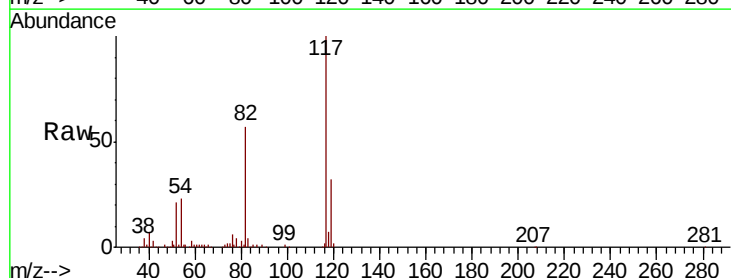
Tgt Ion: 117 Resp: 287141

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.6

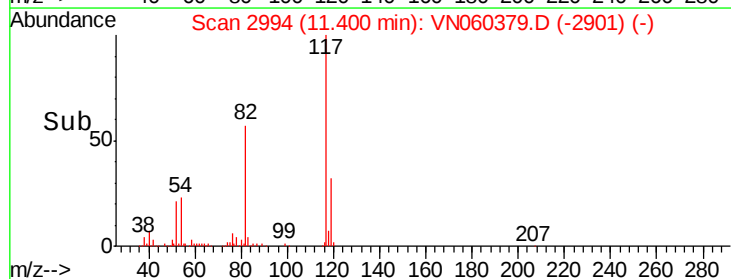
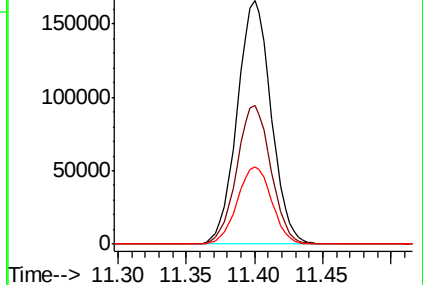
119 31.7 25.8 38.8

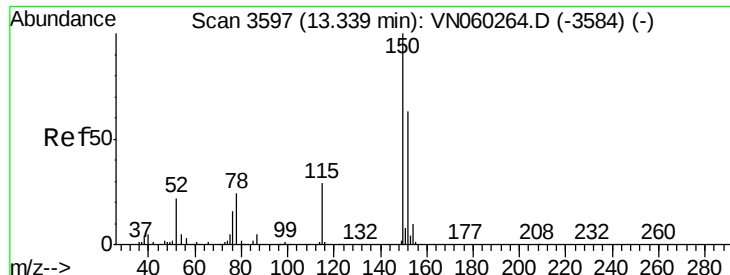


Abundance Ion 116.90 (116.60 to 117.60): VN060379.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060379.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060379.D (-2901) (-)



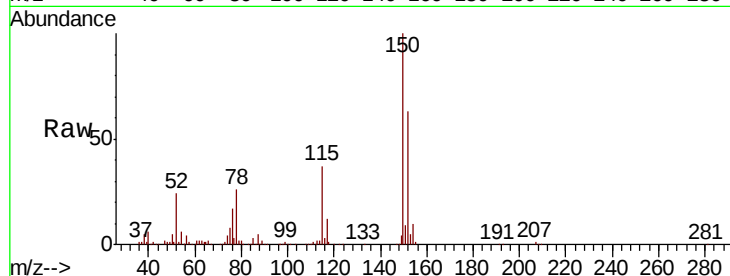


#72

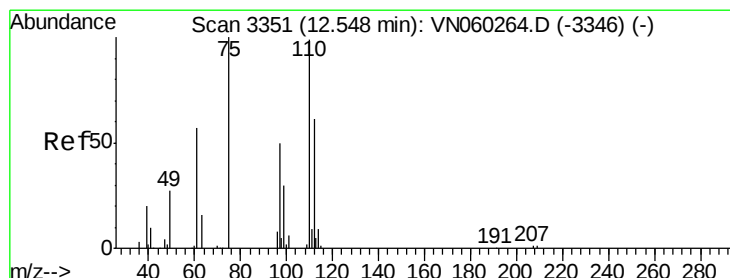
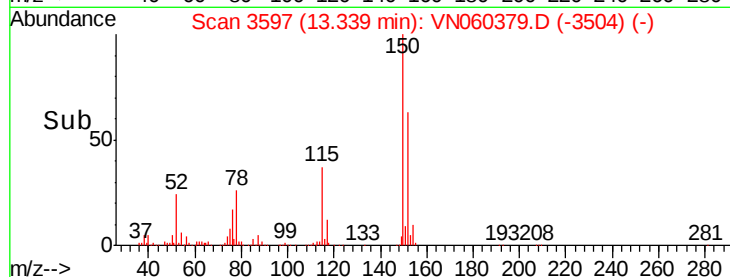
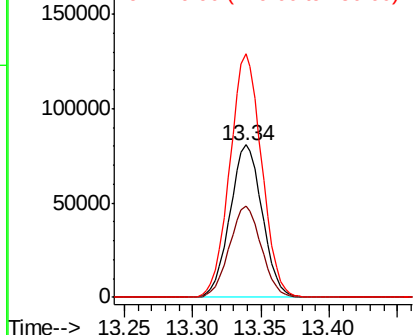
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060379.D
Acq: 6 Mar 2020 14:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 132723
Ion Ratio Lower Upper
152 100
115 58.9 30.0 90.0
150 157.6 0.0 349.6



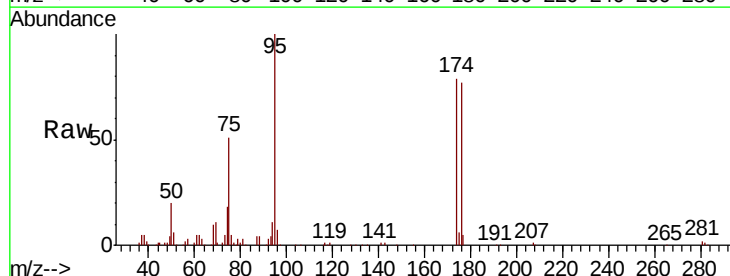
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



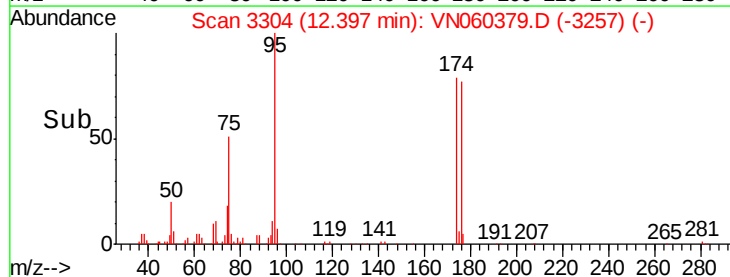
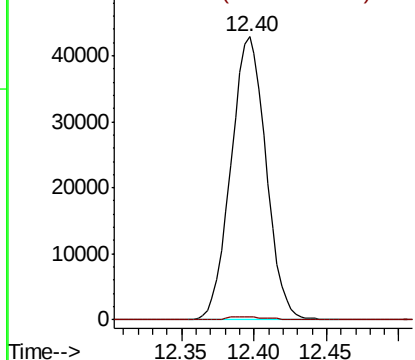
#76

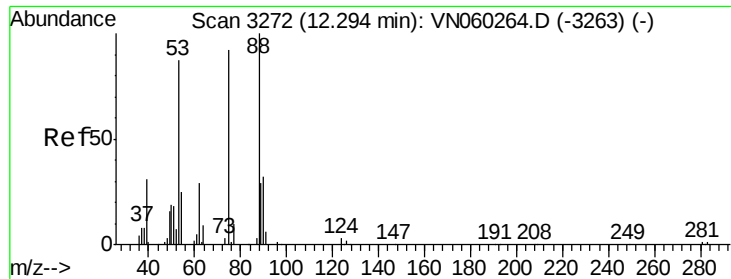
1,2,3-Trichloropropane
Concen: 24.698 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060379.D
Acq: 6 Mar 2020 14:43

Tgt Ion: 75 Resp: 71918
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

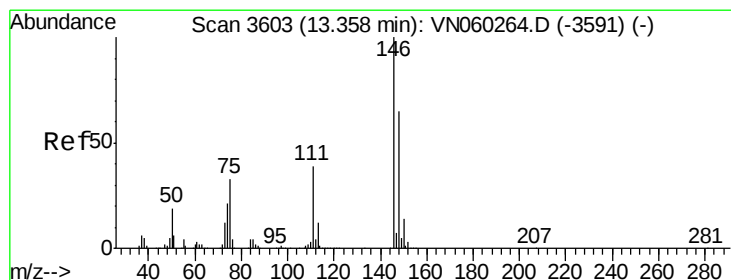
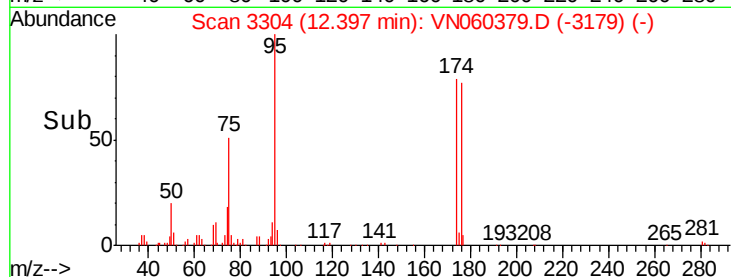
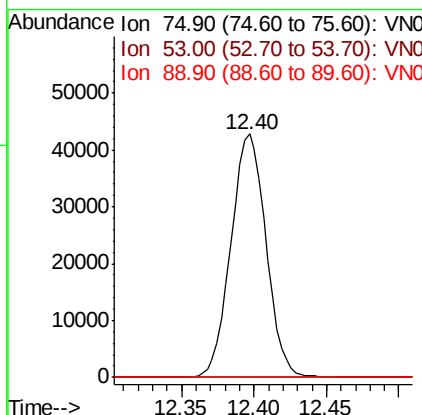
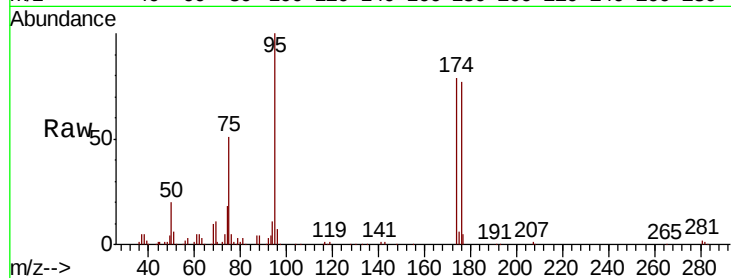




#81
trans-1,4-Dichloro-2-butene
Concen: 68.177 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060379.D
Acq: 6 Mar 2020 14:43

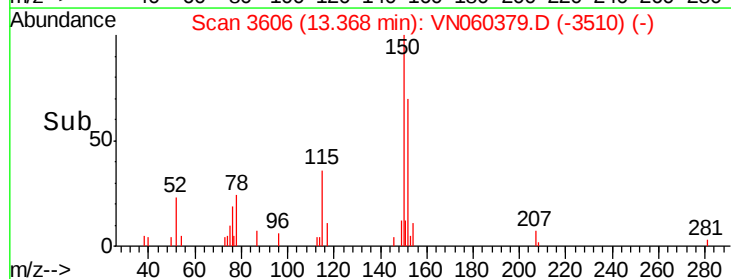
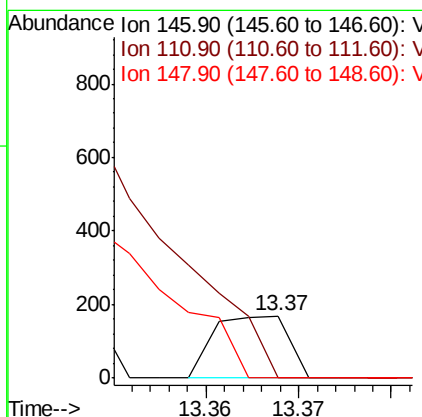
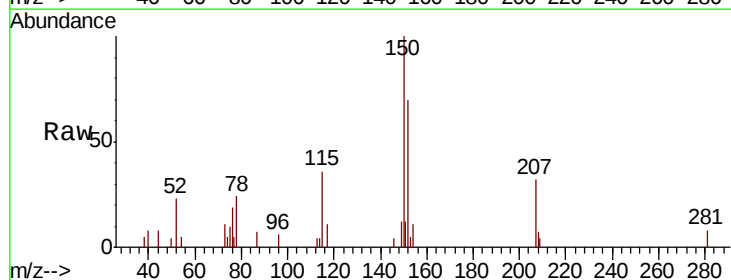
Instrument :
MSVOA_N
ClientSampled :

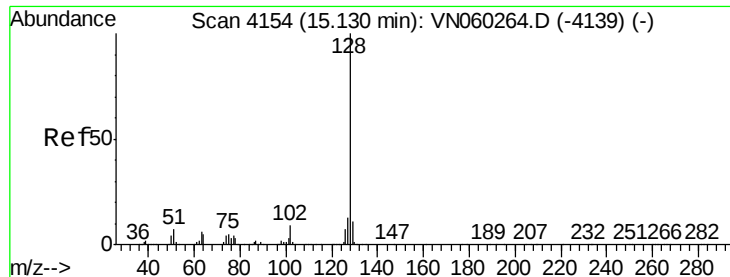
Tot Ion: 75 Resp: 71918
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.37 min Scan# 3606
Delta R.T. 0.01 min
Lab File: VN060379.D
Acq: 6 Mar 2020 14:43

Tgt Ion: 146 Resp: 94
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 0.0 32.3 96.9#





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

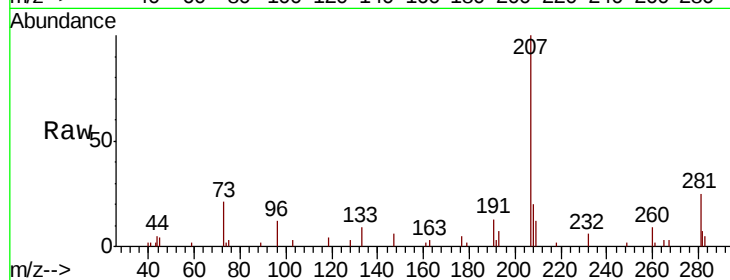
Lab File: VN060379.D

Acq: 6 Mar 2020 14:43

Instrument :

MSVOA_N

ClientSampleId :



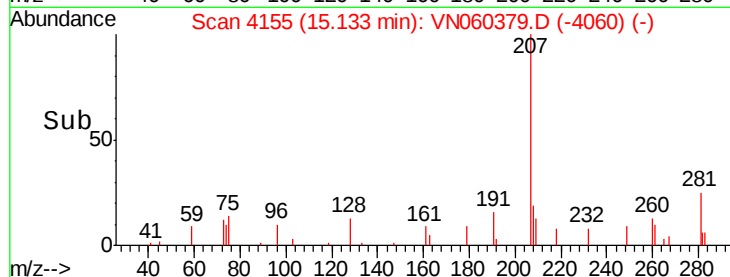
Tot Ion:128 Resp: 329

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

