

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
 Data File : VN060471.D
 Acq On : 12 Mar 2020 12:09
 Operator : JC/MD
 Sample : L1797-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 6-FEET

Quant Time: Mar 13 02:02:52 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	187802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	312413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	294211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134454	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	123780	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.56	113	92934	64.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.18%	
50) Toluene-d8	10.08	98	383143	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.40	95	142794	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	

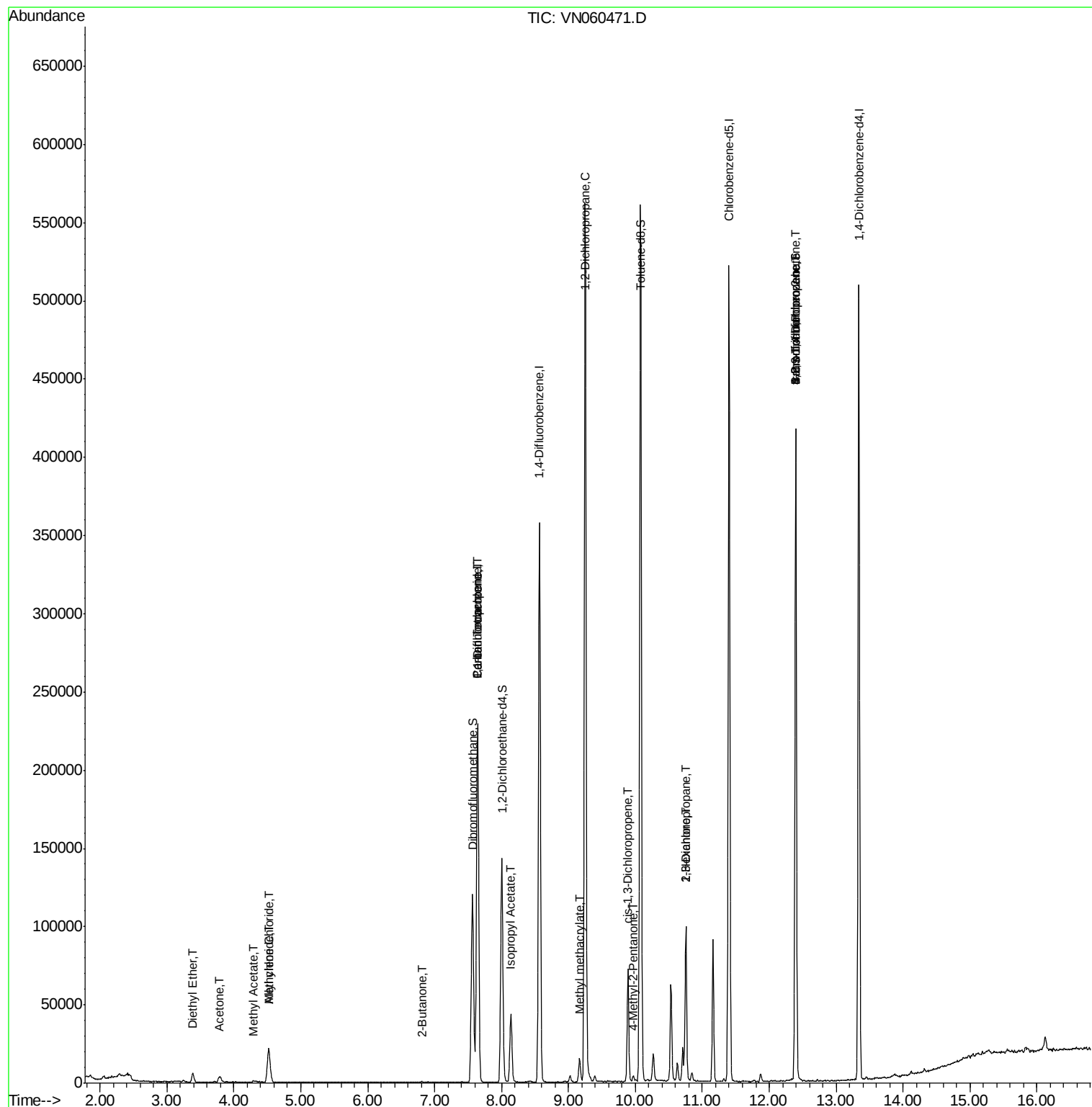
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.39	74	2852	2.30	ug/l	96
14) Allyl chloride	4.52	41	691	0.21	ug/l #	24
16) Acetone	3.79	43	7687	9.88	ug/l	93
17) Carbon Disulfide	4.03	76	93	Below Cal	#	75
18) Methyl Acetate	4.29	43	810	0.31	ug/l #	52
20) Methylene Chloride	4.52	84	16195	7.58	ug/l	96
25) 2-Butanone	6.82	43	923	0.73	ug/l #	49
31) Cyclohexane	7.64	56	4041	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14756	4.96	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18184	6.27	ug/l #	16
43) Isopropyl Acetate	8.14	43	51894	10.51	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	501	0.22	ug/l #	44
48) Methyl methacrylate	9.16	41	2590	1.15	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	1900	0.68	ug/l	93
54) cis-1,3-Dichloropropene	9.89	75	12772	3.36	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	814	0.23	ug/l #	42
59) 2-Hexanone	10.75	43	15069	7.33	ug/l #	50
71) Bromoform	12.40	173	891	0.56	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	72960	24.73	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72960	68.27	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	217	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	357	Below Cal	#	25
95) Naphthalene	15.13	128	1044	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.31	180	166	Below Cal	#	54

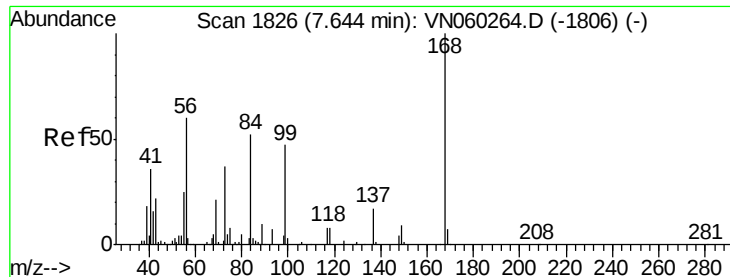
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

Instrument :

MSVOA_N

ClientSampled :

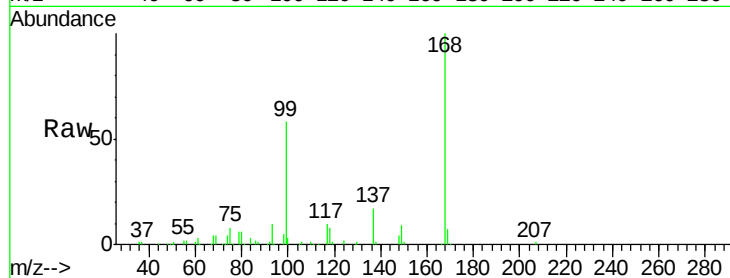
6-FEET

Tgt Ion:168 Resp: 187802

Ion Ratio Lower Upper

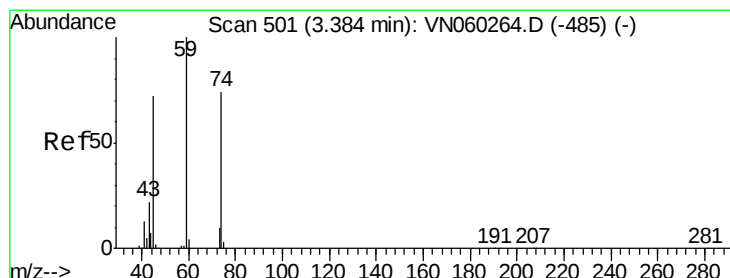
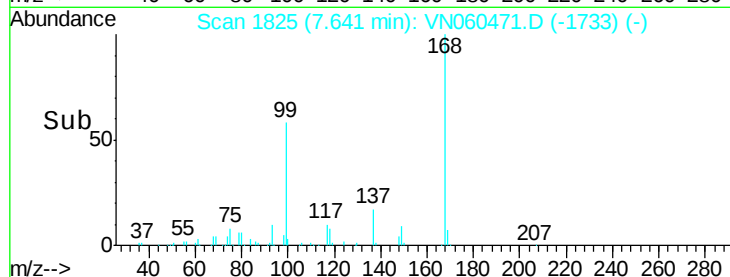
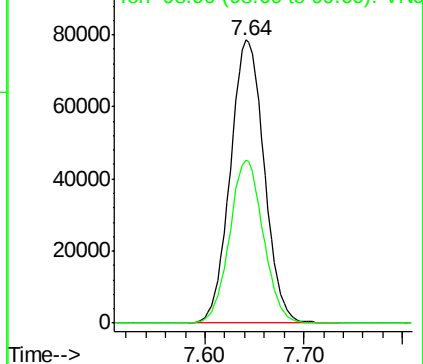
168 100

99 57.7 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#8

Diethyl Ether

Concen: 2.30 ug/l

RT: 3.39 min Scan# 502

Delta R.T. 0.00 min

Lab File: VN060471.D

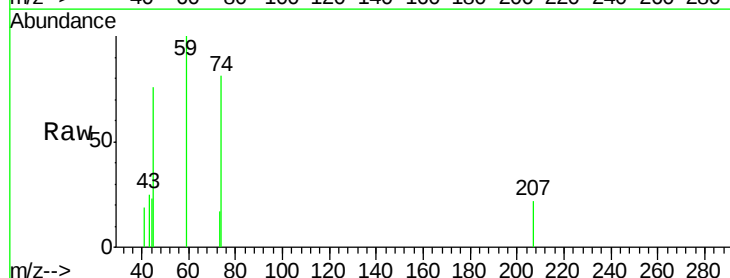
Acq: 12 Mar 2020 12:09

Tgt Ion: 74 Resp: 2852

Ion Ratio Lower Upper

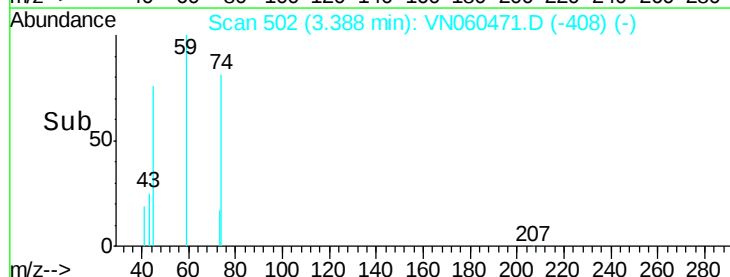
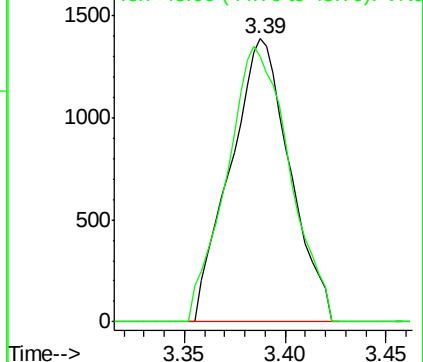
74 100

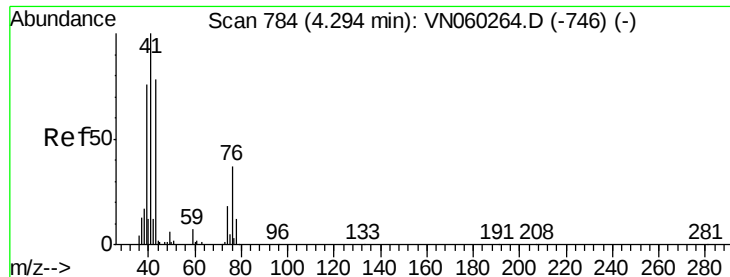
45 102.9 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

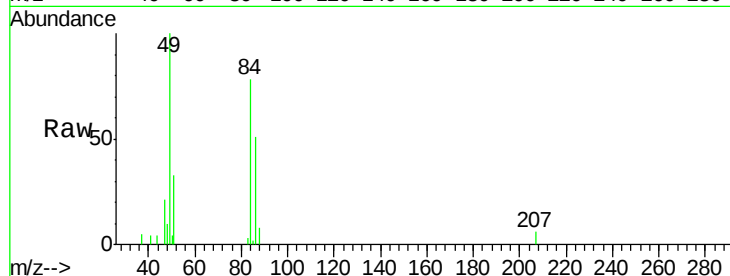




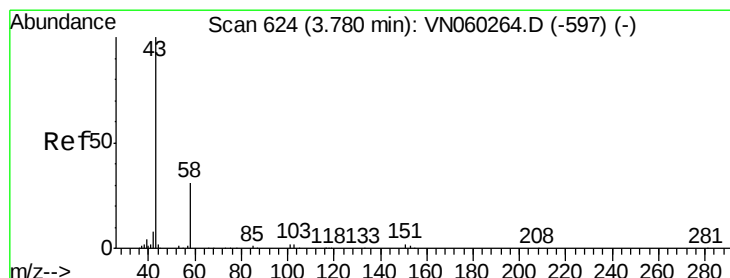
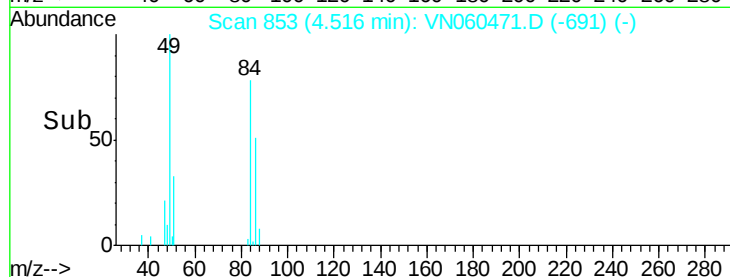
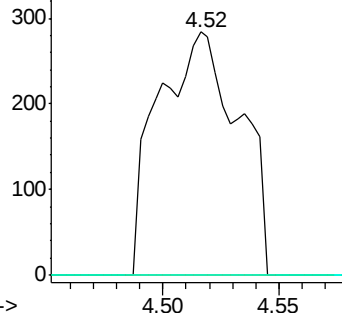
#14
 Allyl chloride
 Concen: 0.21 ug/l
 RT: 4.52 min Scan# 853
 Delta R.T. 0.22 min
 Lab File: VN060471.D
 Acq: 12 Mar 2020 12:09

Instrument :
 MSVOA_N
 ClientSampled :
 6-FEET

Tgt Ion: 41 Resp: 691
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.4 83.2#
 76 0.0 27.0 40.6#

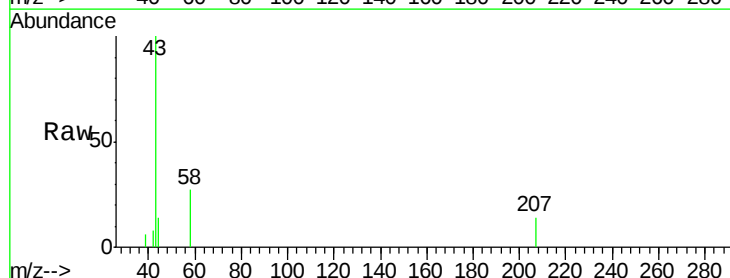


Abundance Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO
 Ion 75.90 (75.60 to 76.60): VNO

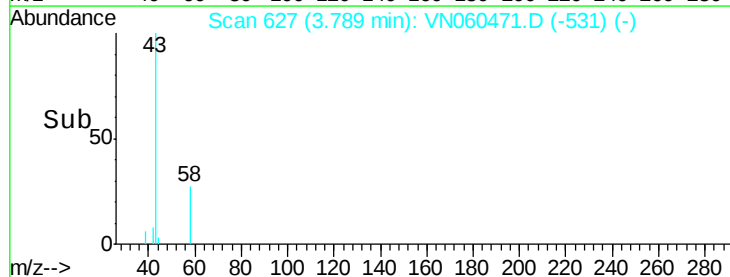
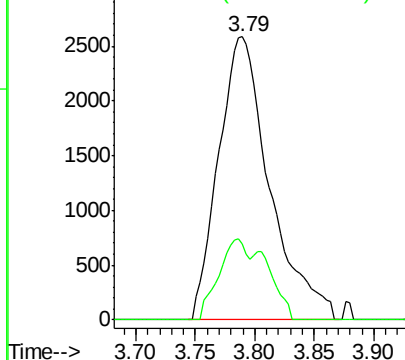


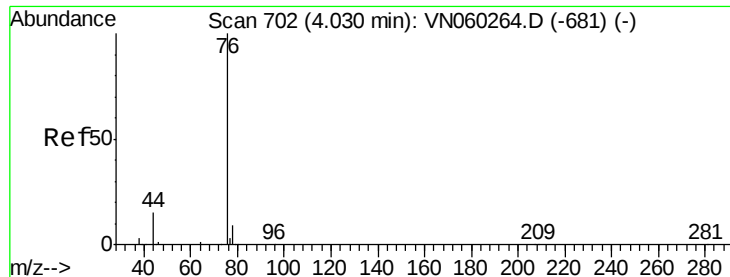
#16
 Acetone
 Concen: 9.88 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. 0.01 min
 Lab File: VN060471.D
 Acq: 12 Mar 2020 12:09

Tgt Ion: 43 Resp: 7687
 Ion Ratio Lower Upper
 43 100
 58 26.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

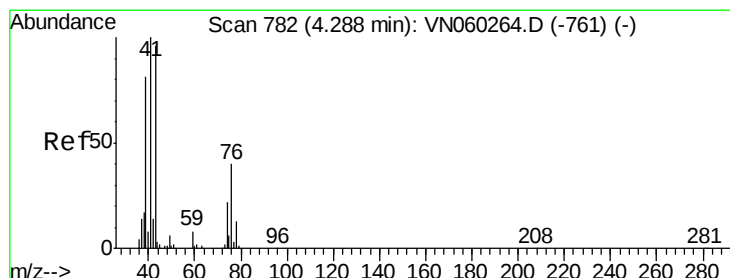
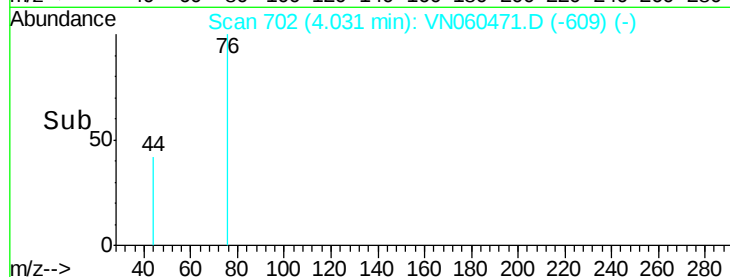
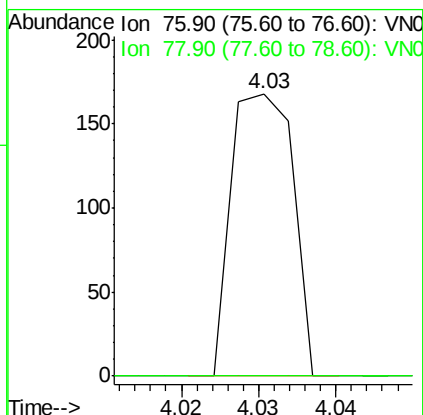
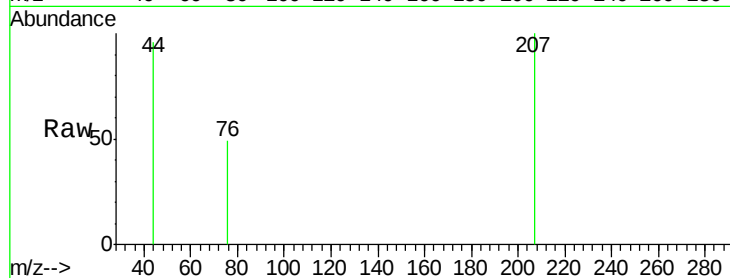




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060471.D
Acq: 12 Mar 2020 12:09

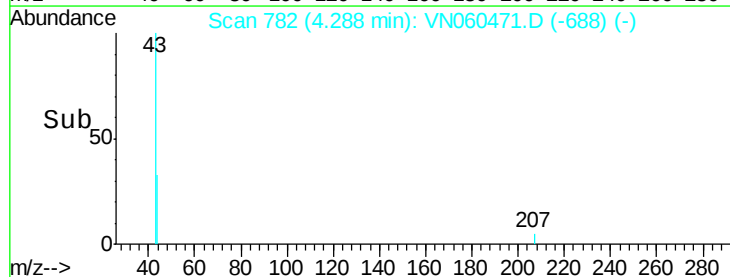
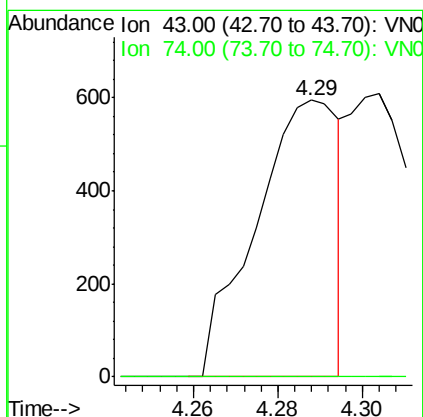
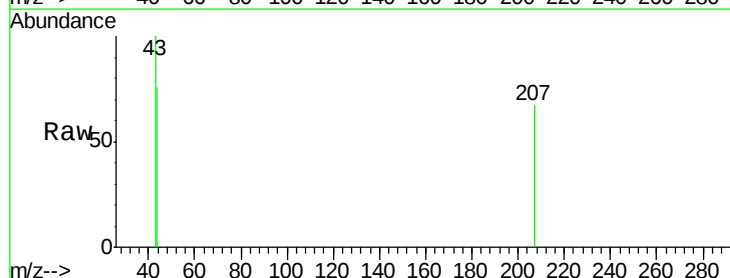
Instrument :
MSVOA_N
ClientSampleId :
6-FEET

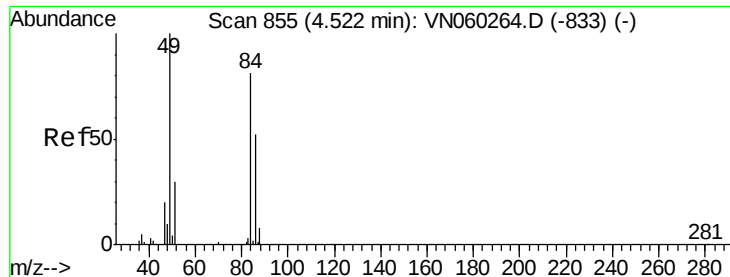
Tgt Ion: 76 Resp: 93
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.31 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060471.D
Acq: 12 Mar 2020 12:09

Tgt Ion: 43 Resp: 810
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#

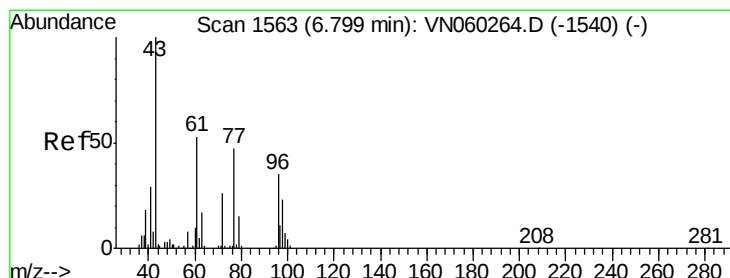
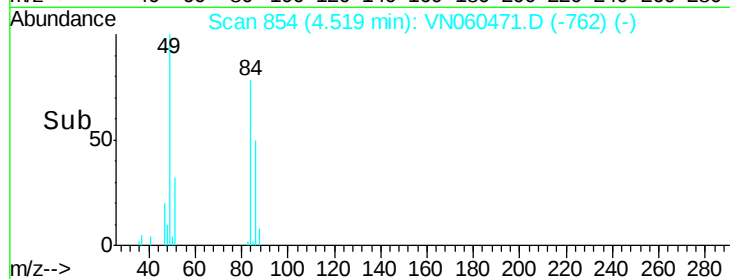
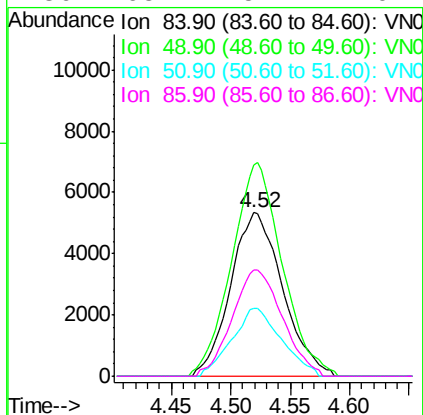
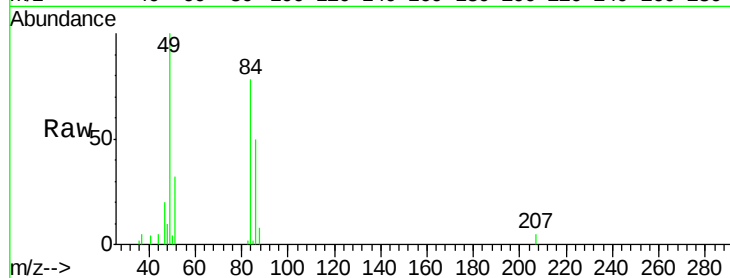




#20
Methylene Chloride
Concen: 7.58 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060471.D
Acq: 12 Mar 2020 12:09

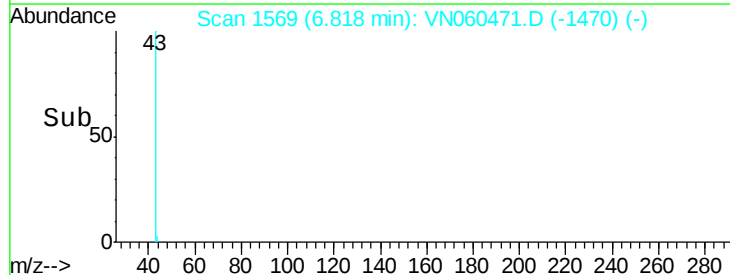
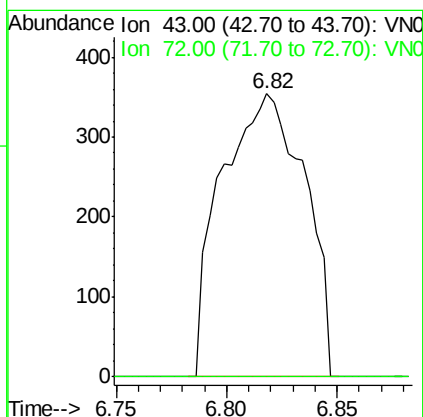
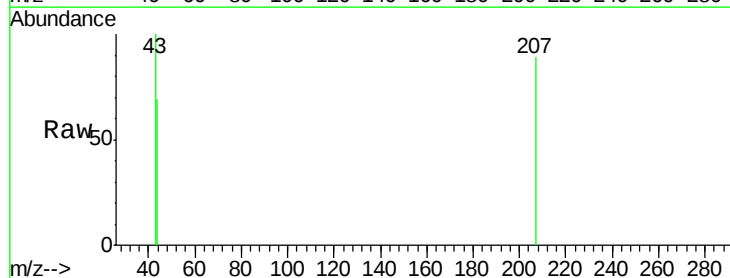
Instrument :
MSVOA_N
ClientSampled :
6-FEET

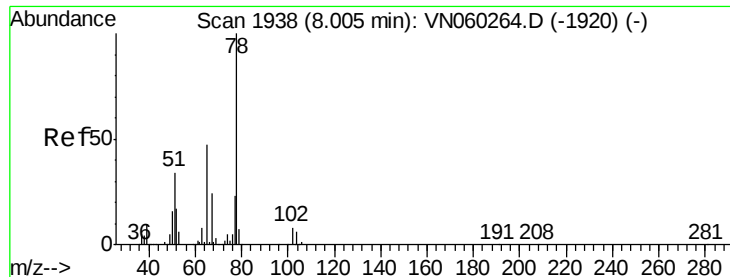
Tgt Ion:	84	Resp:	16195
Ion	Ratio	Lower	Upper
84	100		
49	128.9	99.3	148.9
51	41.8	30.1	45.1
86	65.1	51.1	76.7



#25
2-Butanone
Concen: 0.73 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN060471.D
Acq: 12 Mar 2020 12:09

Tgt Ion:	43	Resp:	923
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#

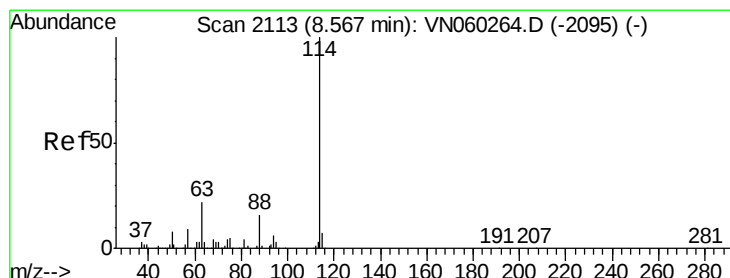
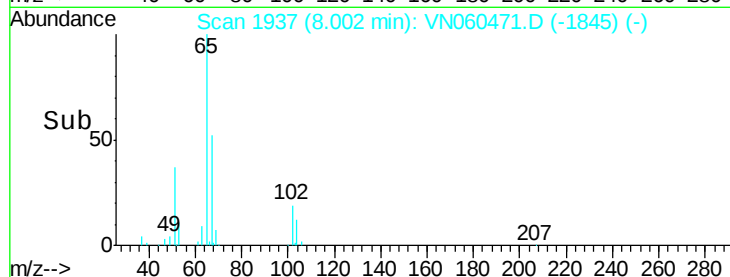
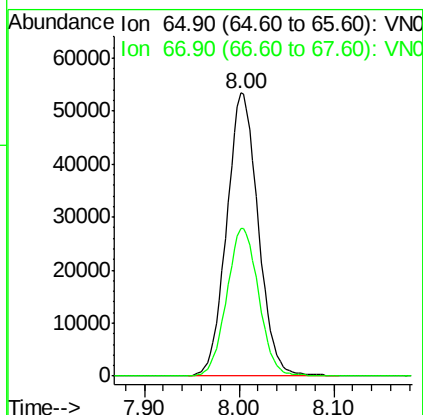
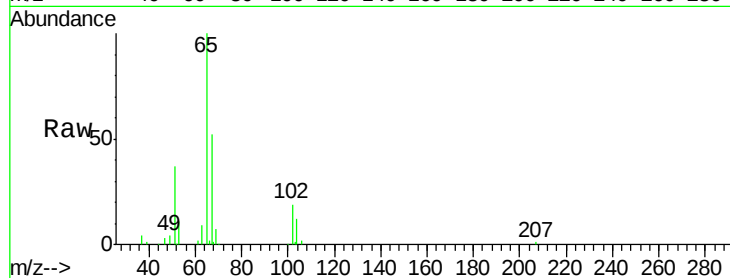




#33
 1,2-Dichloroethane-d4
 Concen: 51.37 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060471.D
 Acq: 12 Mar 2020 12:09

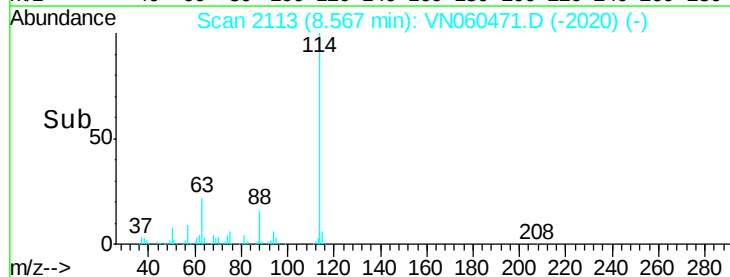
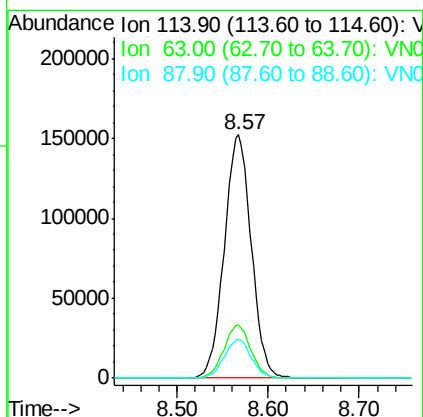
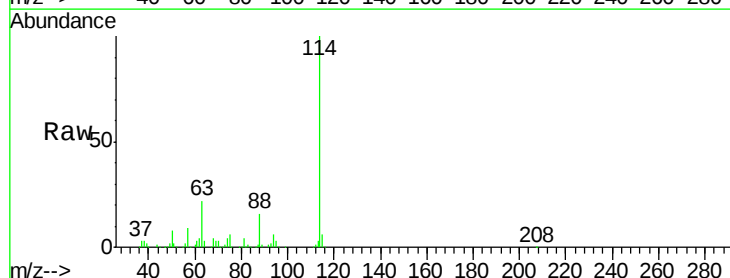
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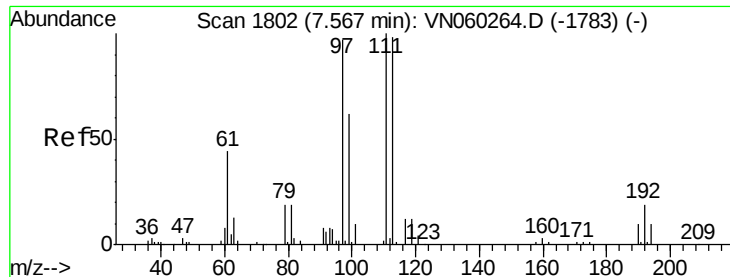
Tgt Ion: 65 Resp: 123780
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060471.D
 Acq: 12 Mar 2020 12:09

Tgt Ion: 114 Resp: 312413
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.2
 88 16.0 0.0 31.6

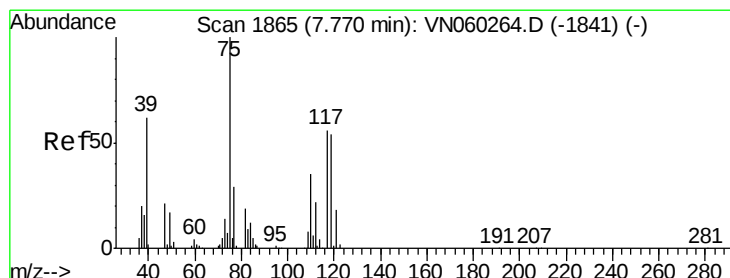
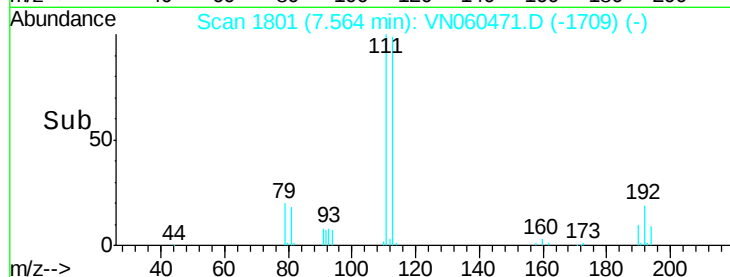
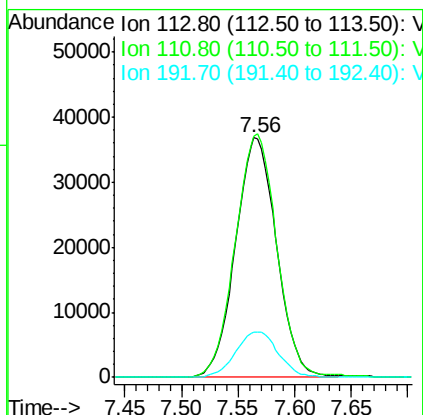
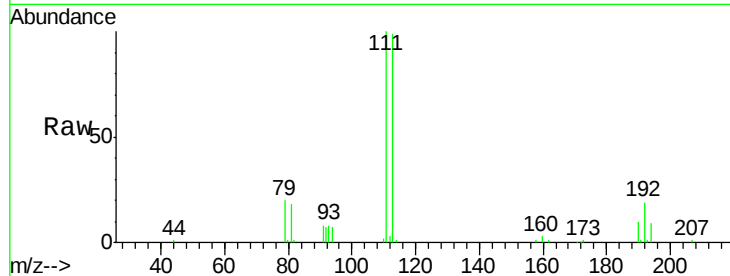




#35
 Dibromofluoromethane
 Concen: 64.09 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060471.D
 Acq: 12 Mar 2020 12:09

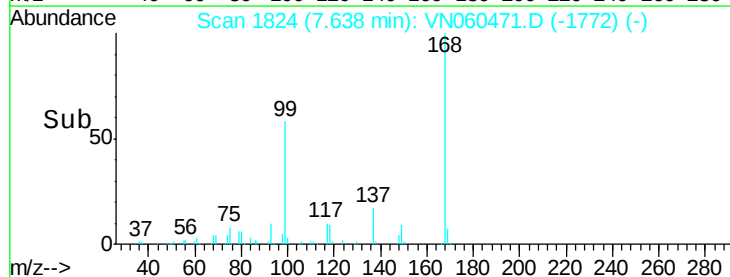
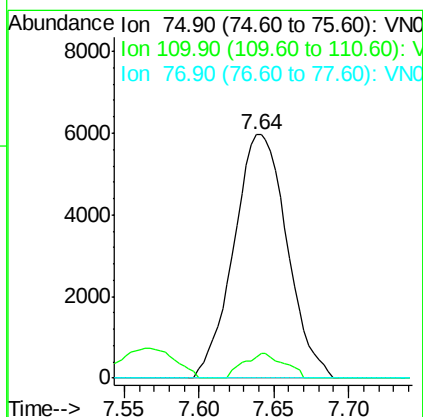
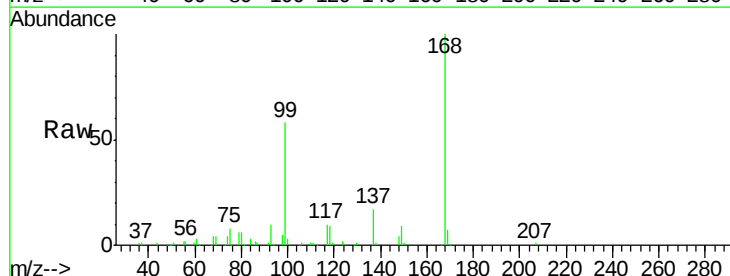
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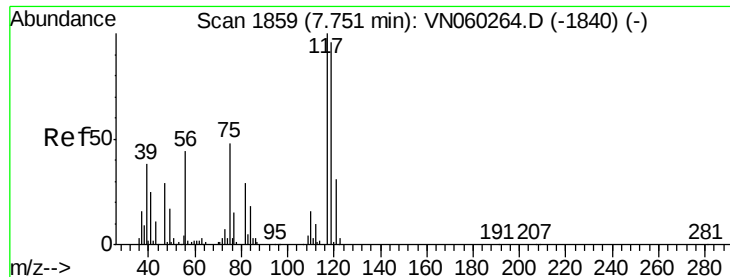
Tgt Ion:113 Resp: 92934
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 19.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.96 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060471.D
 Acq: 12 Mar 2020 12:09

Tgt Ion: 75 Resp: 14756
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.3 52.0#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.27 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

Instrument :

MSVOA_N

ClientSampled :

6-FEET

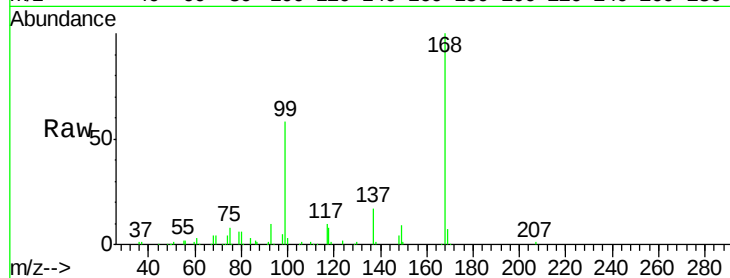
Tgt Ion:117 Resp: 18184

Ion Ratio Lower Upper

117 100

119 5.1 76.7 115.1#

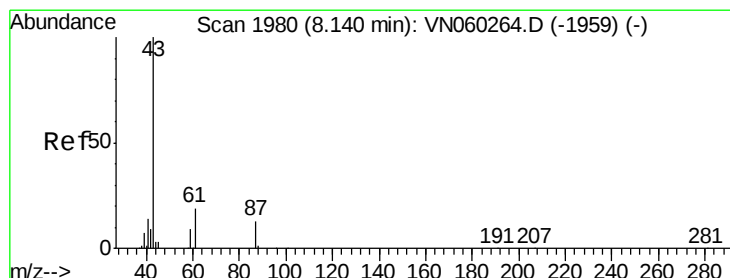
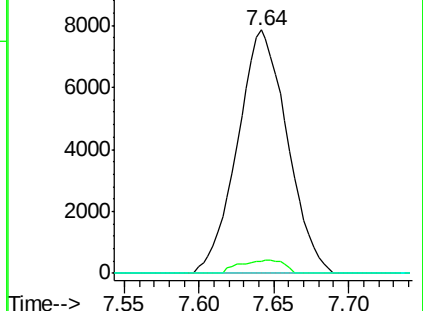
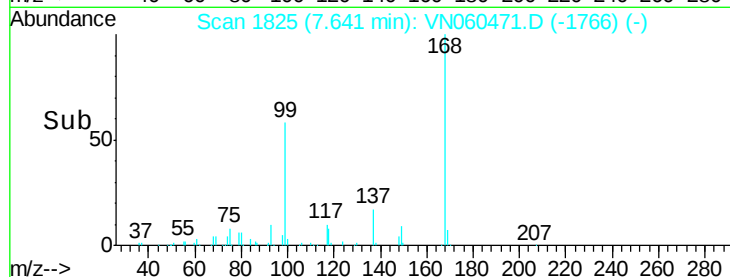
121 0.0 24.5 36.7#



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



#43

Isopropyl Acetate

Concen: 10.51 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

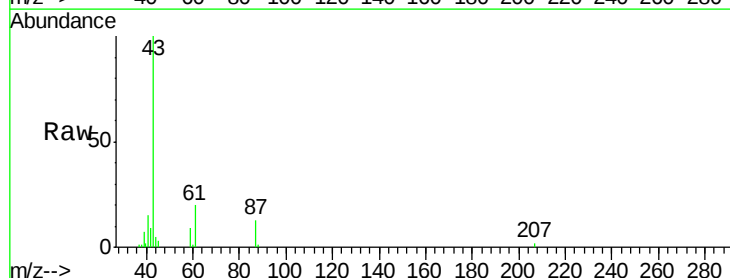
Tgt Ion: 43 Resp: 51894

Ion Ratio Lower Upper

43 100

61 19.7 20.9 31.3#

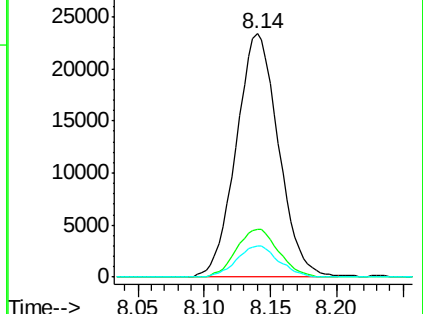
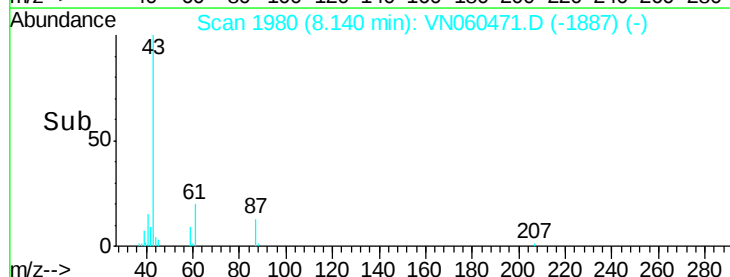
87 12.8 10.6 16.0

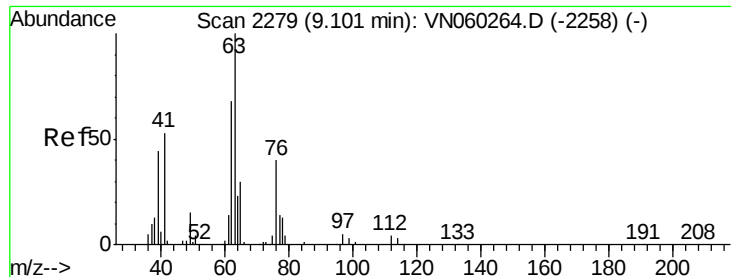


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.22 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

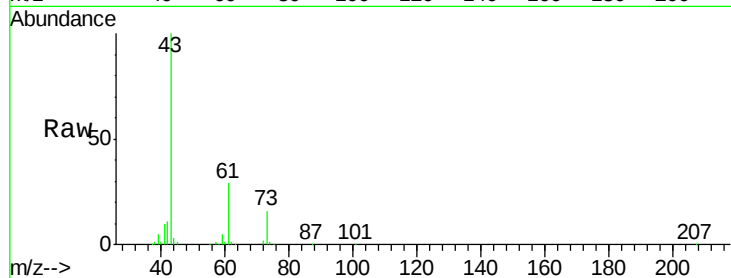
6-FEET

Tgt Ion: 63 Resp: 501

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.25

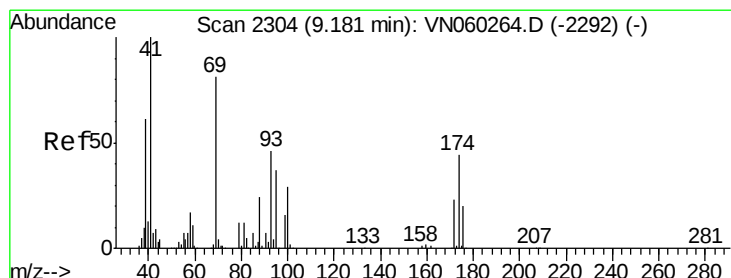
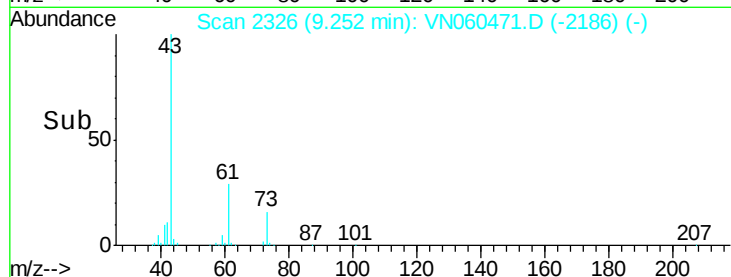
300

200

100

0

Time-->



#48

Methyl methacrylate

Concen: 1.15 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

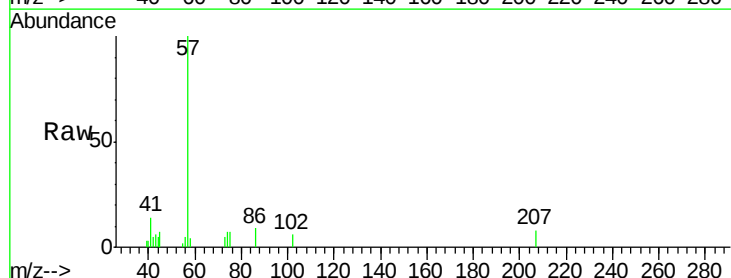
Tgt Ion: 41 Resp: 2590

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

39 0.0 50.1 75.1#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

30000

25000

20000

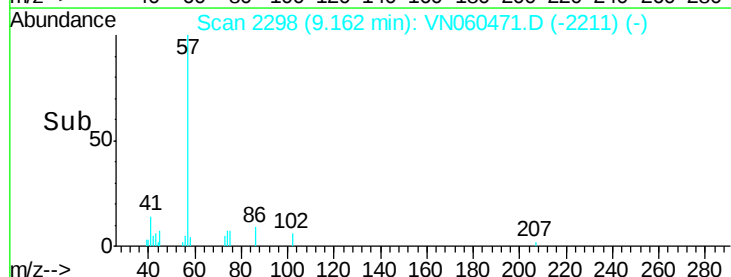
15000

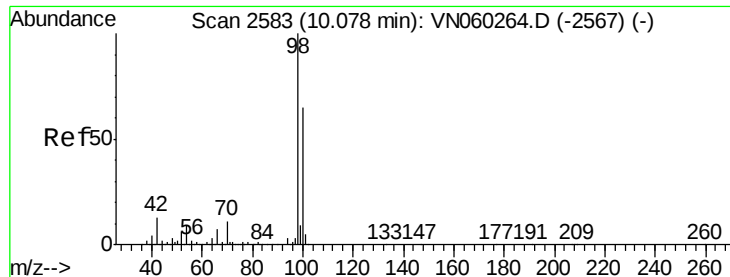
10000

5000

0

Time-->





#50

Toluene-d8

Concen: 52.20 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

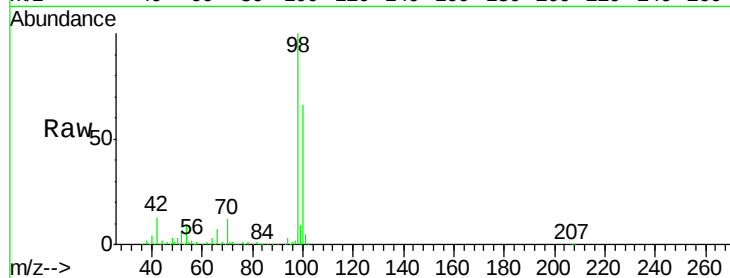
6-FEET

Tgt Ion: 98 Resp: 383143

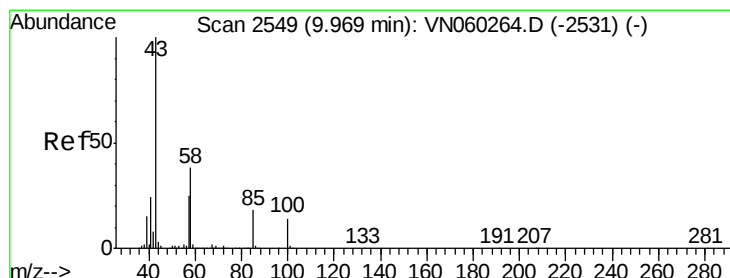
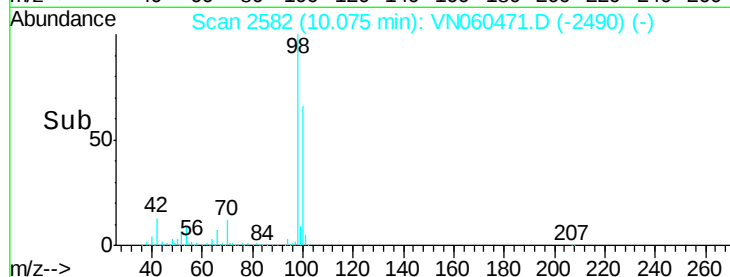
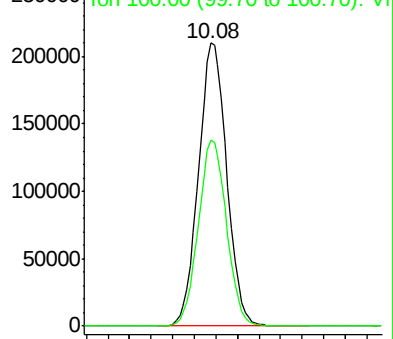
Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060471.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.68 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060471.D

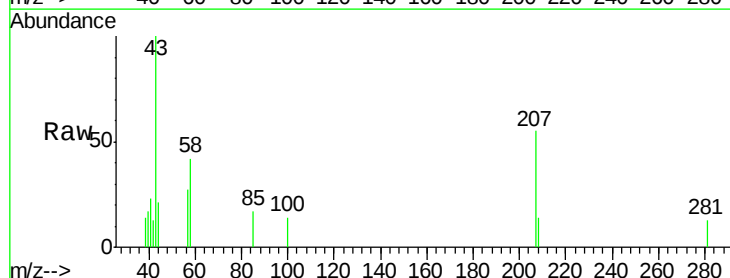
Acq: 12 Mar 2020 12:09

Tgt Ion: 43 Resp: 1900

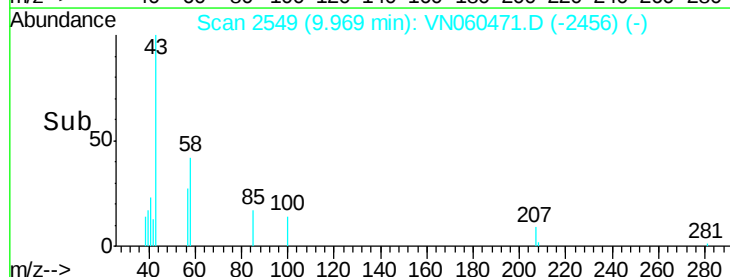
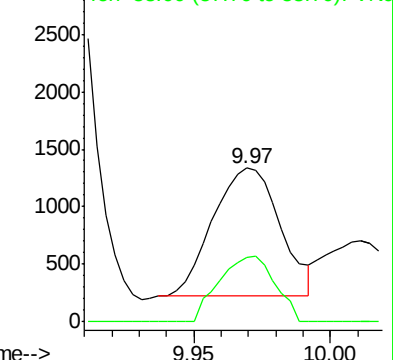
Ion Ratio Lower Upper

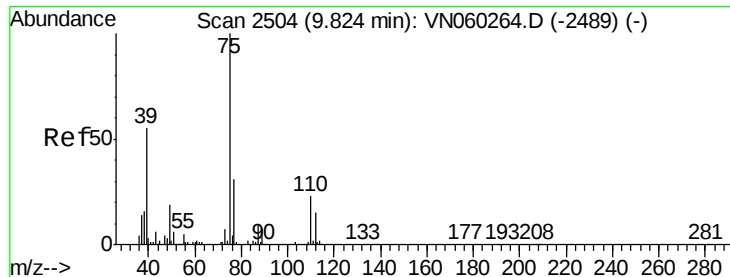
43 100

58 42.8 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060471.D (-2456) (-)





#54

cis-1,3-Dichloropropene

Concen: 3.36 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

6-FEET

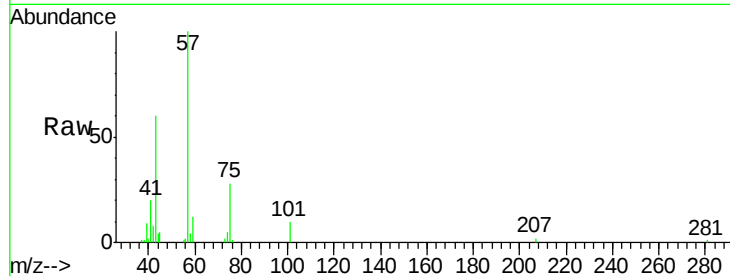
Tgt Ion: 75 Resp: 12772

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

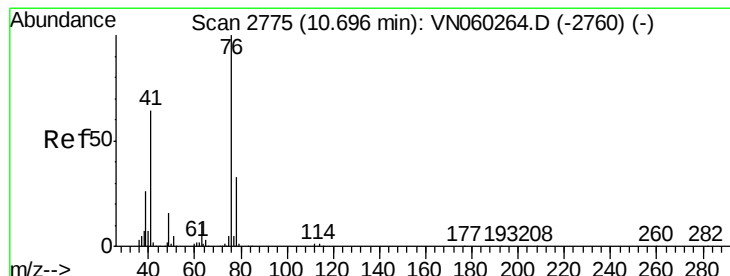
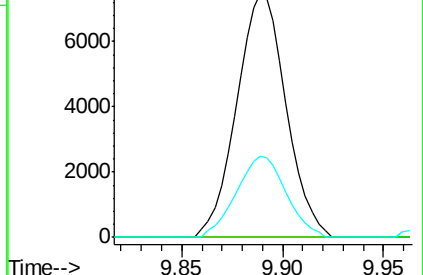
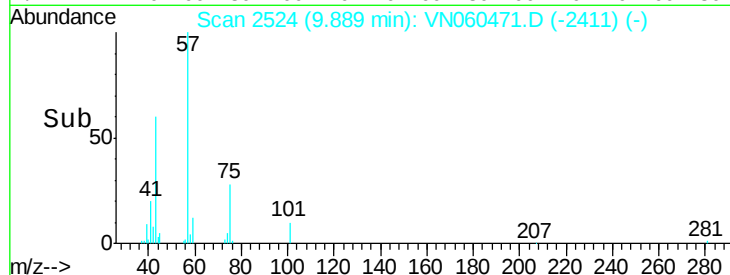
39 33.2 43.8 65.8#



Abundance Ion 74.90 (74.60 to 75.60): VN060471.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060471.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060471.D (-2411) (-)



#57

1,3-Dichloropropane

Concen: 0.23 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN060471.D

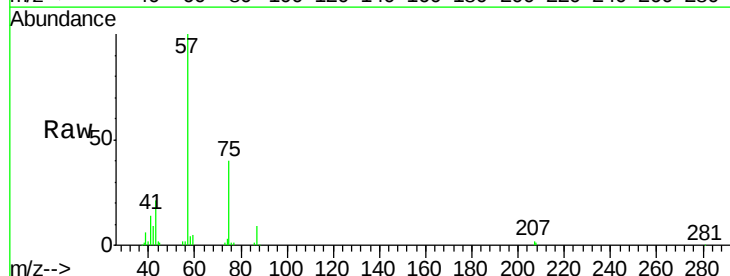
Acq: 12 Mar 2020 12:09

Tgt Ion: 76 Resp: 814

Ion Ratio Lower Upper

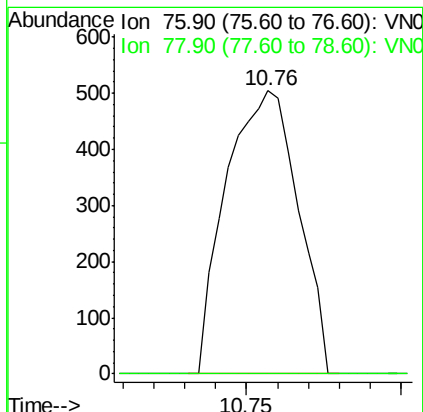
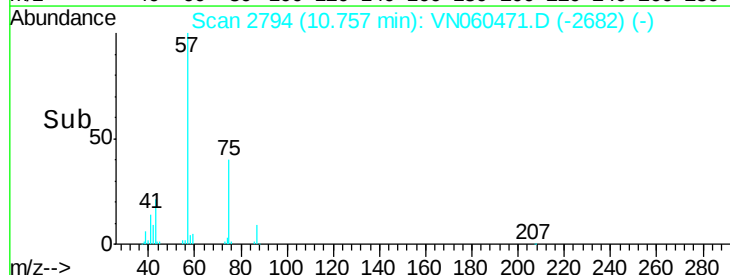
76 100

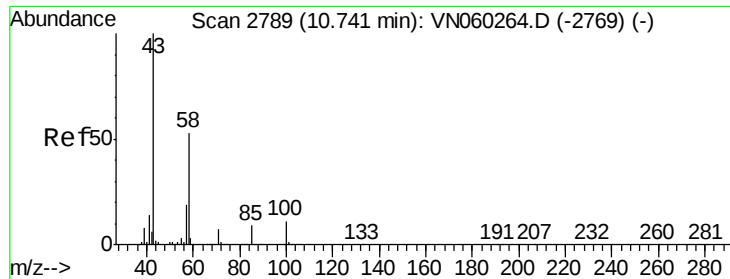
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN060471.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060471.D (-2682) (-)





#59

2-Hexanone

Concen: 7.33 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

Instrument :

MSVOA_N

ClientSampled :

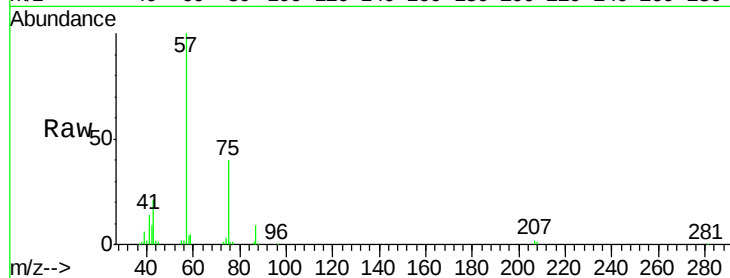
6-FEET

Tgt Ion: 43 Resp: 15069

Ion Ratio Lower Upper

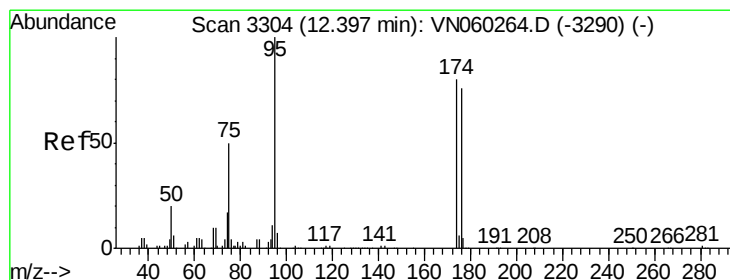
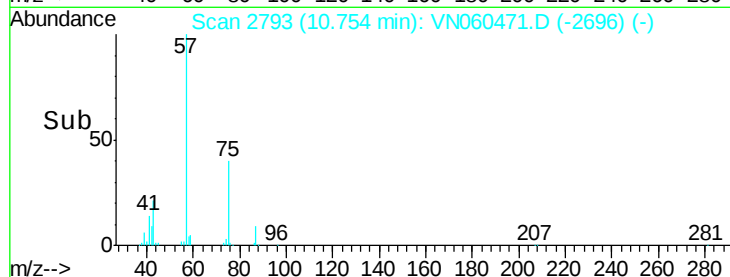
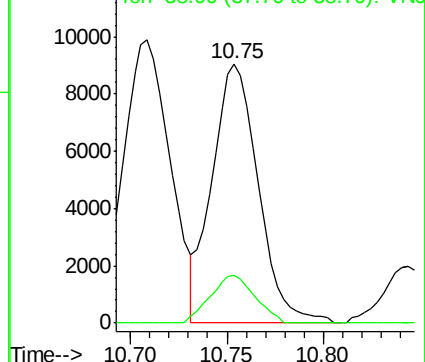
43 100

58 17.7 26.5 79.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 51.33 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

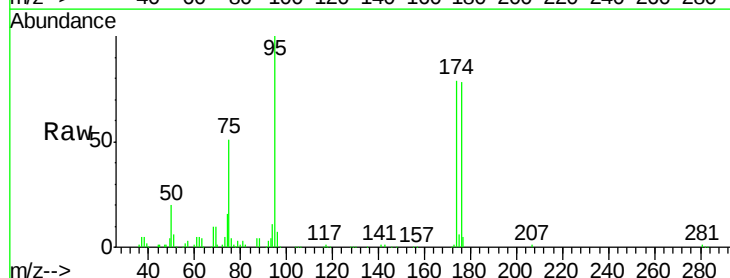
Tgt Ion: 95 Resp: 142794

Ion Ratio Lower Upper

95 100

174 79.0 0.0 159.2

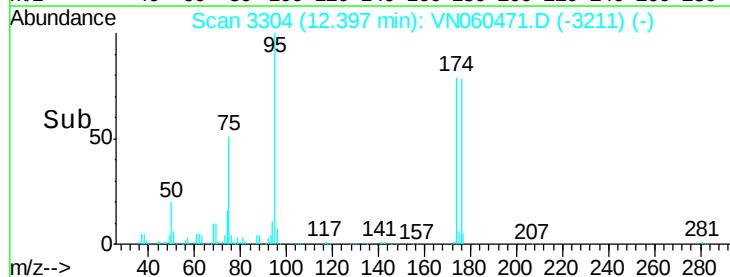
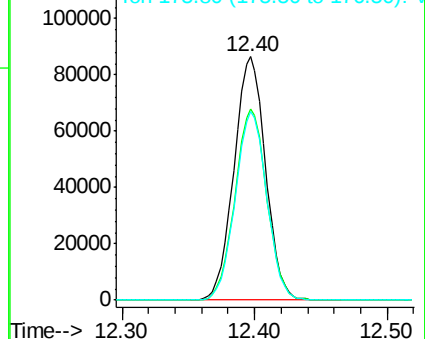
176 77.1 0.0 153.8

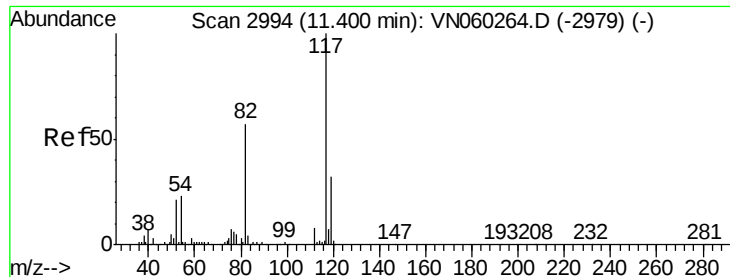


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

Instrument :

MSVOA_N

ClientSampled :

6-FEET

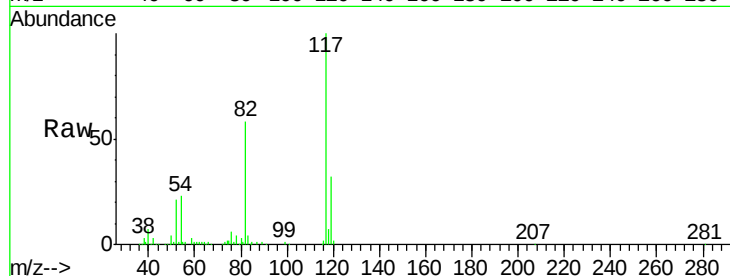
Tgt Ion:117 Resp: 294211

Ion Ratio Lower Upper

117 100

82 57.8 45.8 68.6

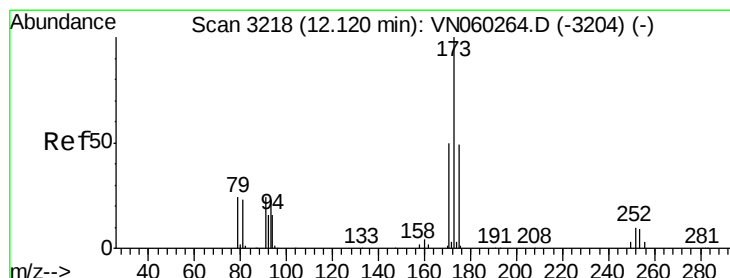
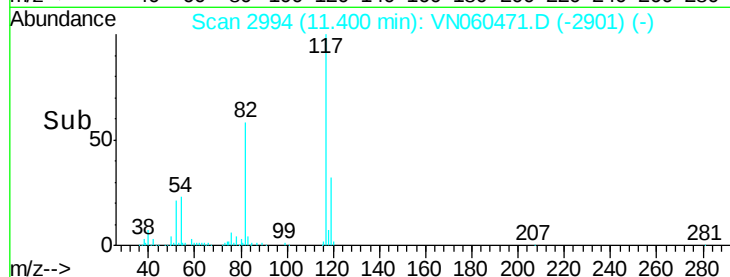
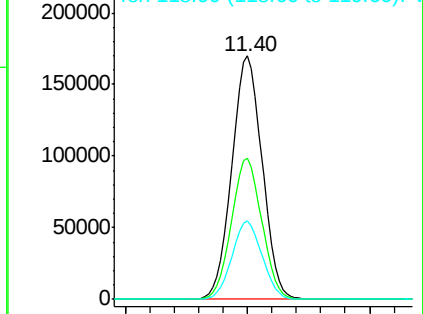
119 32.0 25.8 38.8



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



#71

Bromoform

Concen: 0.56 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

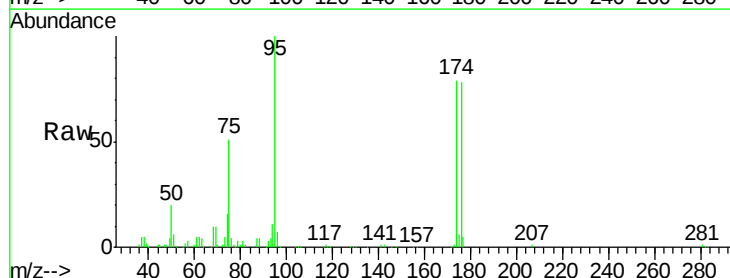
Tgt Ion:173 Resp: 891

Ion Ratio Lower Upper

173 100

175 853.9 24.1 72.2#

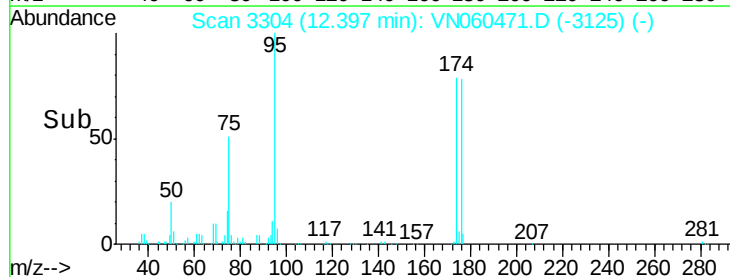
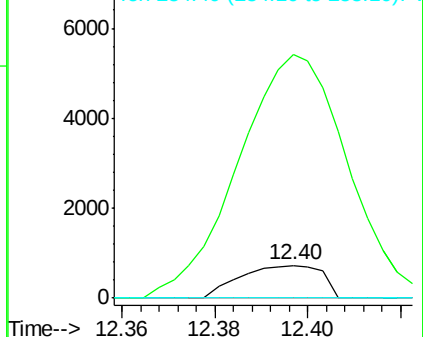
254 0.0 0.0 0.0

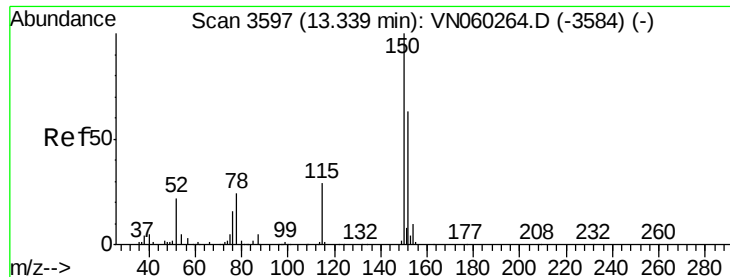


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

6-FEET

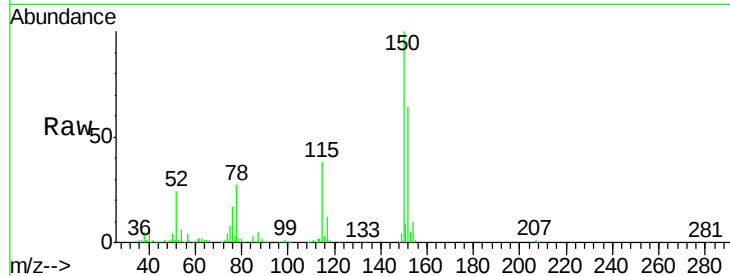
Tgt Ion: 152 Resp: 134454

Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

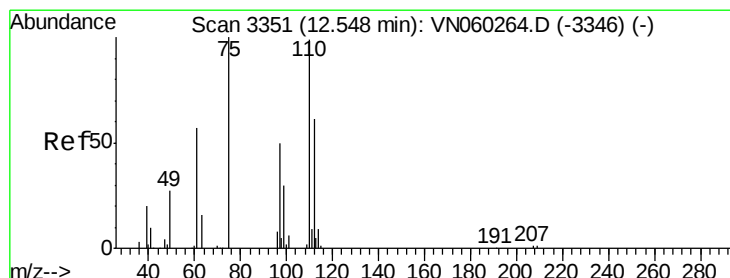
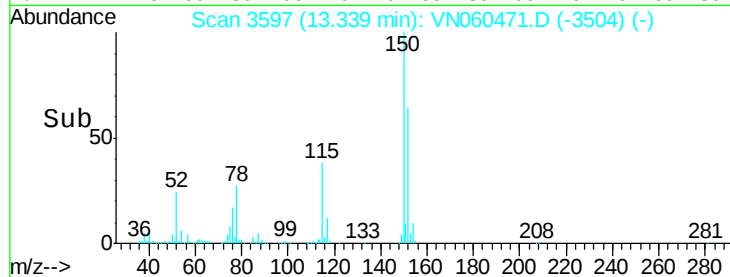
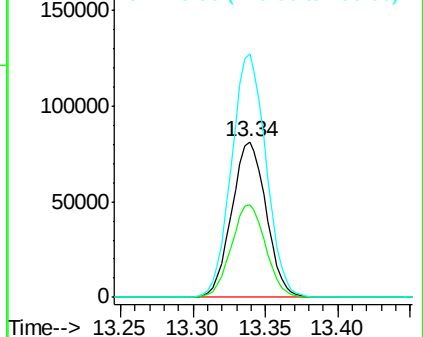
150 157.3 0.0 349.6



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: 24.73 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060471.D

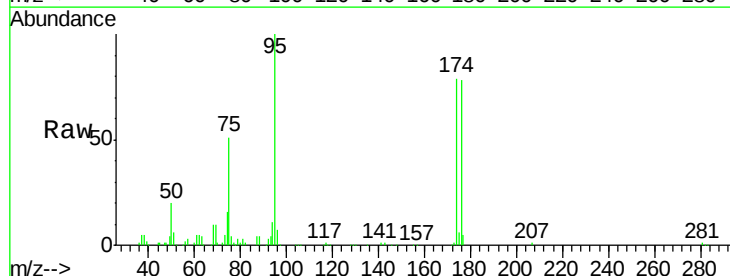
Acq: 12 Mar 2020 12:09

Tgt Ion: 75 Resp: 72960

Ion Ratio Lower Upper

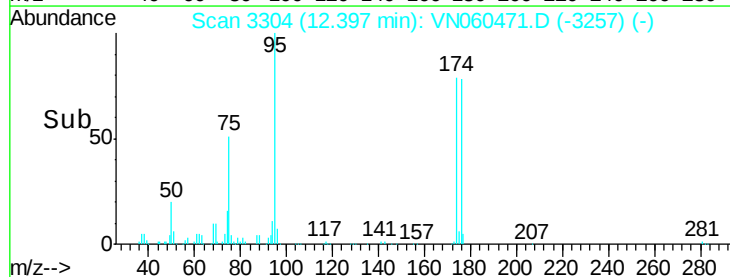
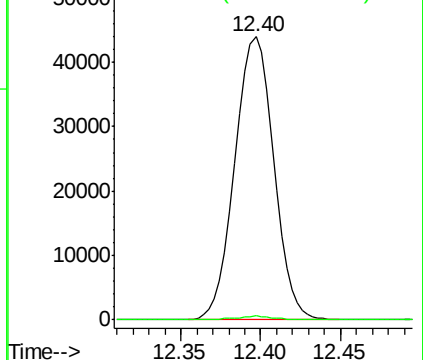
75 100

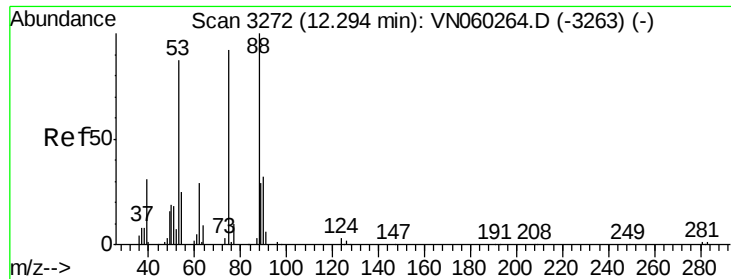
77 1.2 0.0 0.0#



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: 68.27 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

Instrument :

MSVOA_N

ClientSampleId :

6-FEET

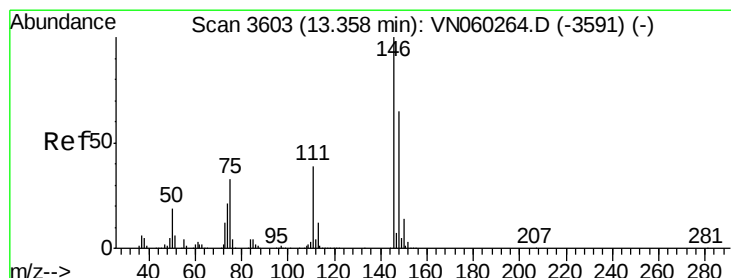
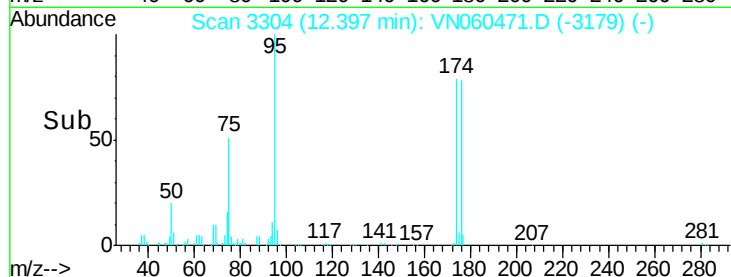
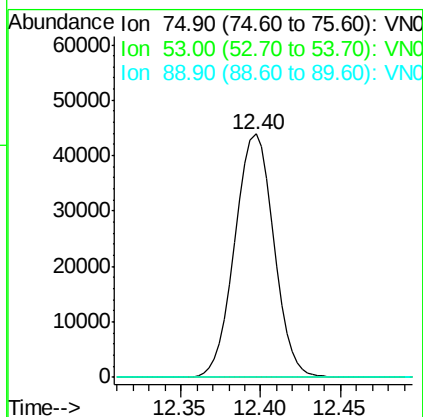
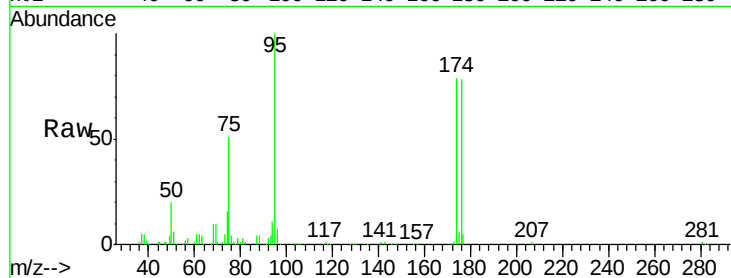
Tgt Ion: 75 Resp: 72960

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# 3604

Delta R.T. 0.00 min

Lab File: VN060471.D

Acq: 12 Mar 2020 12:09

Tgt Ion: 146 Resp: 357

Ion Ratio Lower Upper

146 100

111 0.0 19.8 59.4#

148 0.0 32.3 96.9#

