

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060387.D
 Acq On : 6 Mar 2020 17:44
 Operator : JC/MD
 Sample : L1762-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 07 00:57:57 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	197941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144253	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	127931	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
35) Dibromofluoromethane	7.56	113	92349	61.02	ug/l	0.00
Spiked Amount			Recovery	=	122.04%	
50) Toluene-d8	10.08	98	399390	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.40	95	150059	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	

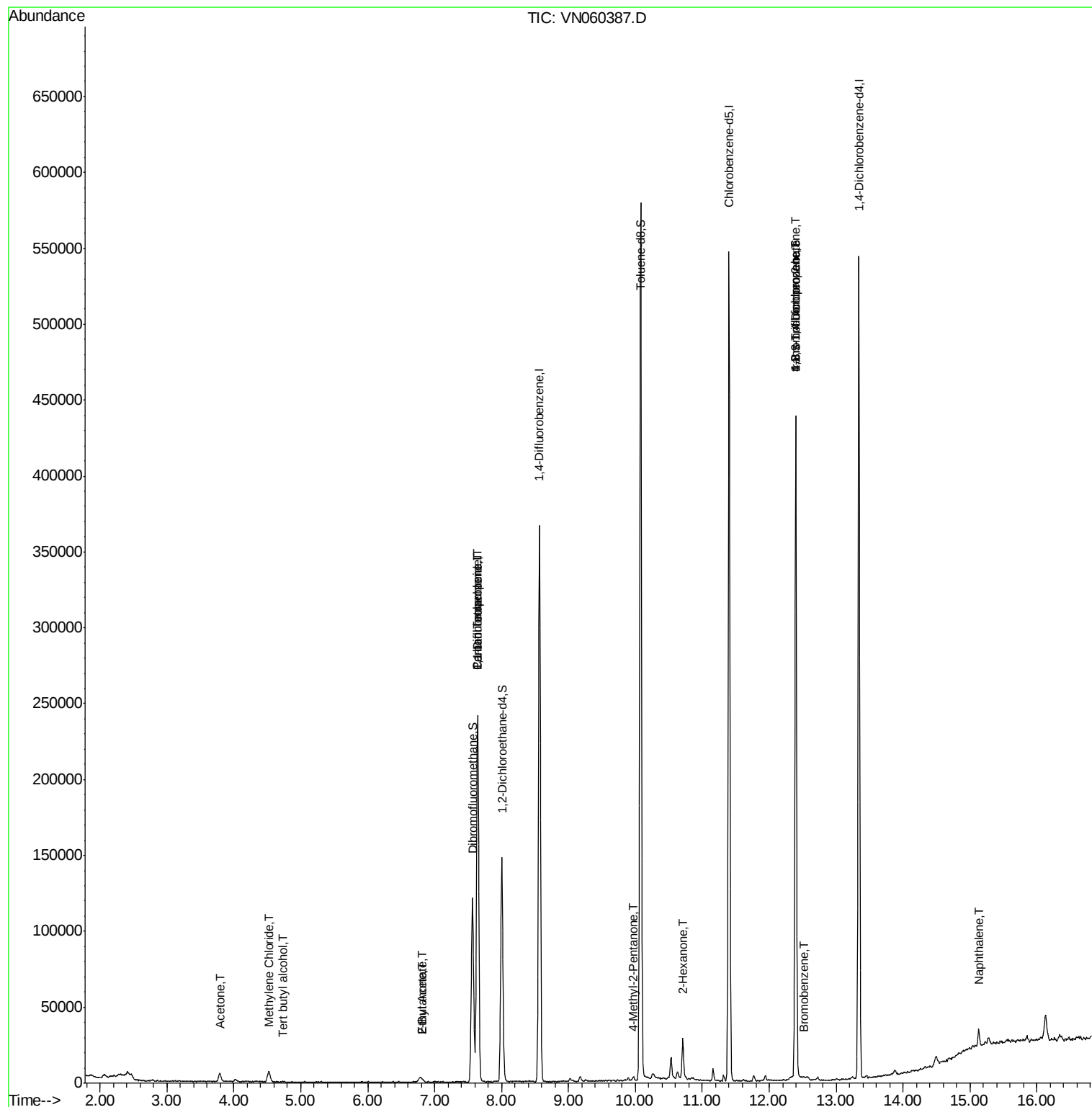
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	176	0.467	ug/l #	73
16) Acetone	3.79	43	9948	12.130	ug/l	100
20) Methylene Chloride	4.52	84	5197	2.307	ug/l	96
25) 2-Butanone	6.82	43	2499	1.886	ug/l	95
36) 1,1-Dichloropropene	7.64	75	15436	4.968	ug/l #	49
37) Ethyl Acetate	6.82	43	2499	0.849	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19135	6.325	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	1765	0.604	ug/l	100
59) 2-Hexanone	10.71	43	22796	10.631	ug/l #	25
76) 1,2,3-Trichloropropane	12.40	75	77579	24.512	ug/l #	100
77) Bromobenzene	12.52	156	1871	0.714	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	77579	67.665	ug/l #	8
95) Naphthalene	15.13	128	9207	0.804	ug/l	99

(#) = 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# 1825

Delta R.T. -0.00 min

Lab File: VN060387.D

Acq: 6 Mar 2020 17:44

Instrument :

MSVOA_N

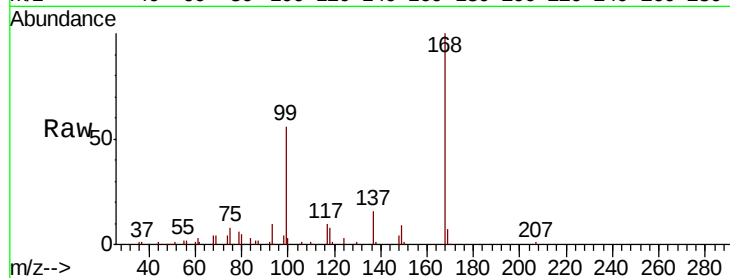
ClientSampled :

Tot Ion:168 Resp: 197941

Ion Ratio Lower Upper

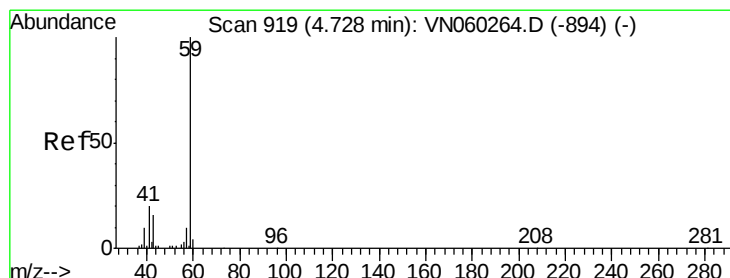
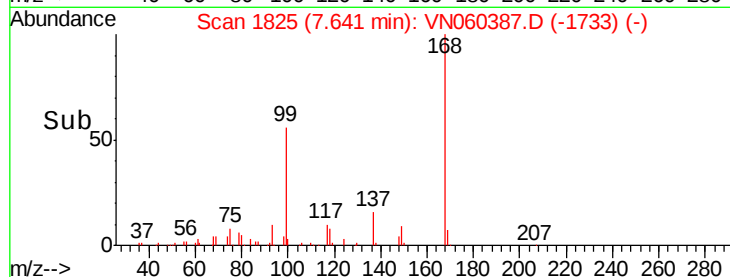
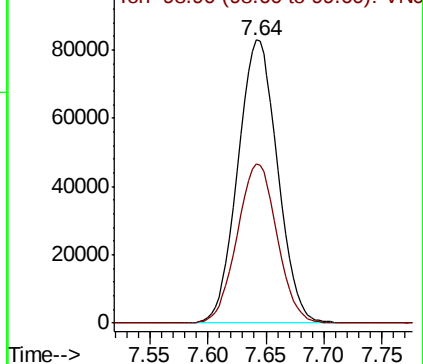
168 100

99 56.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.467 ug/l

RT: 4.72 min Scan# 917

Delta R.T. -0.01 min

Lab File: VN060387.D

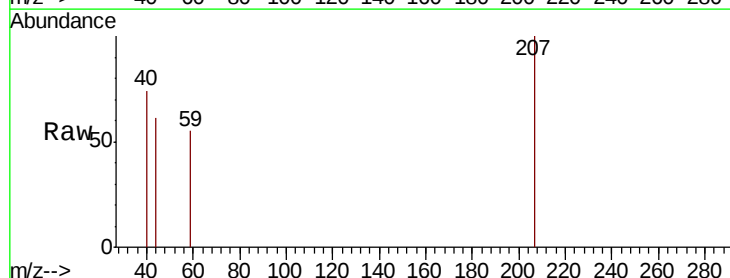
Acq: 6 Mar 2020 17:44

Tgt Ion: 59 Resp: 176

Ion Ratio Lower Upper

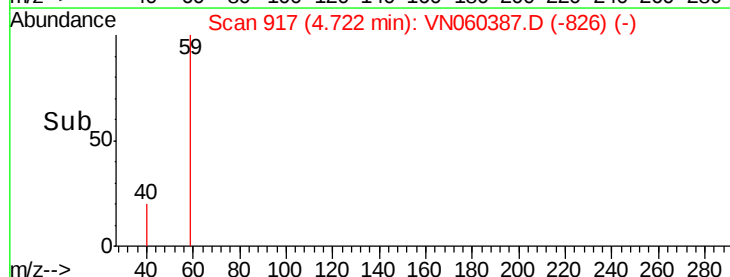
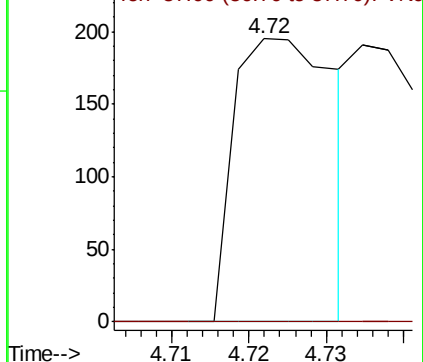
59 100

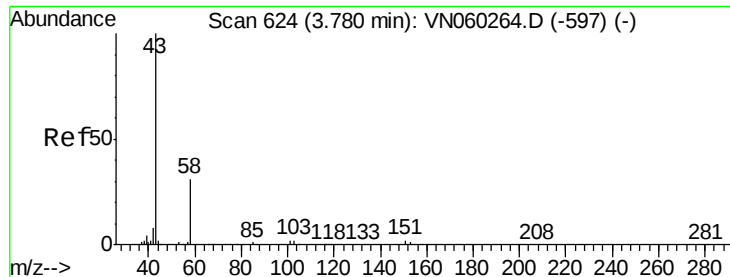
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 12.130 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060387.D

Acq: 6 Mar 2020 17:44

Instrument :

MSVOA_N

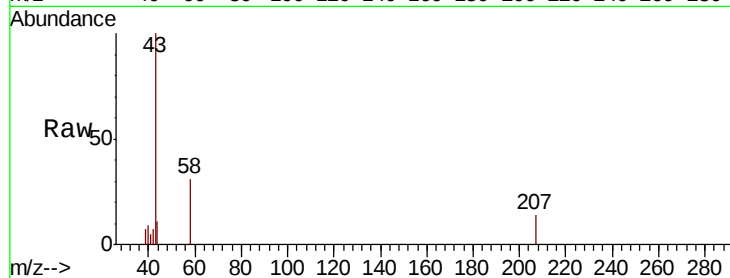
ClientSampleId :

Tot Ion: 43 Resp: 9948

Ion Ratio Lower Upper

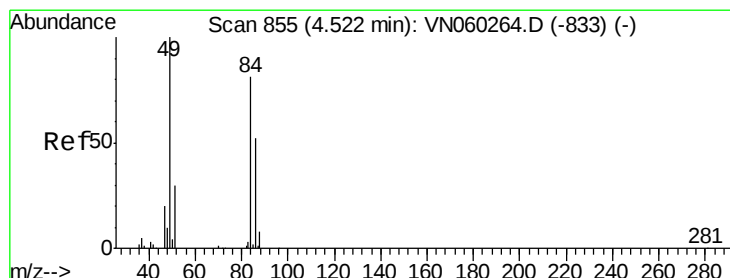
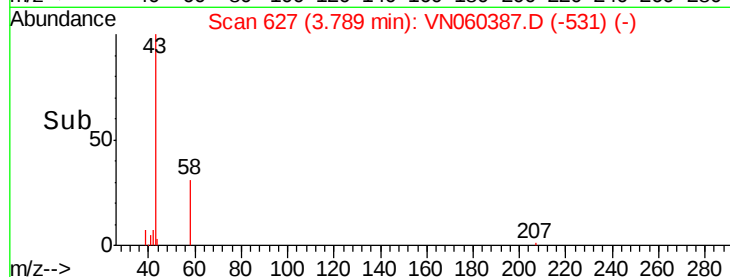
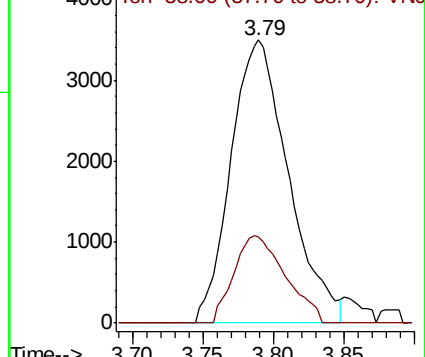
43 100

58 30.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#20

Methylene Chloride

Concen: 2.307 ug/l

RT: 4.52 min Scan# 853

Delta R.T. -0.01 min

Lab File: VN060387.D

Acq: 6 Mar 2020 17:44

Tgt Ion: 84 Resp: 5197

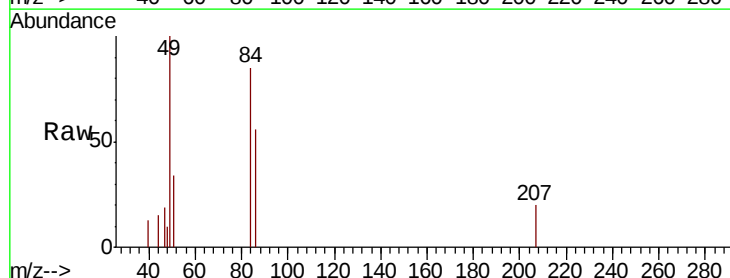
Ion Ratio Lower Upper

84 100

49 118.1 99.3 148.9

51 39.6 30.1 45.1

86 66.5 51.1 76.7

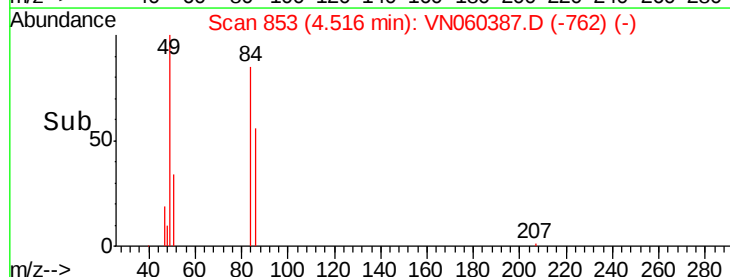
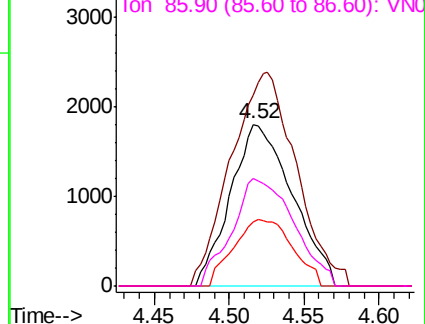


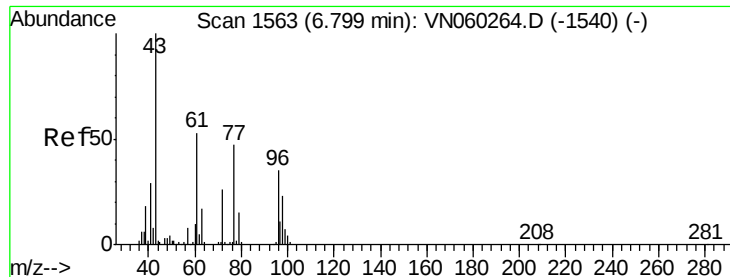
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#25

2-Butanone

Concen: 1.886 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.02 min

Lab File: VN060387.D

Acq: 6 Mar 2020 17:44

Instrument :

MSVOA_N

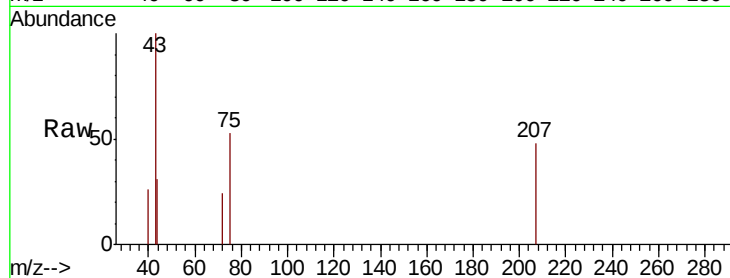
ClientSampled :

Tot Ion: 43 Resp: 2499

Ion Ratio Lower Upper

43 100

72 23.6 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.82

800

600

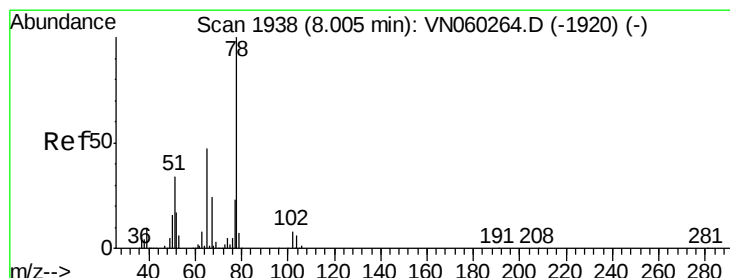
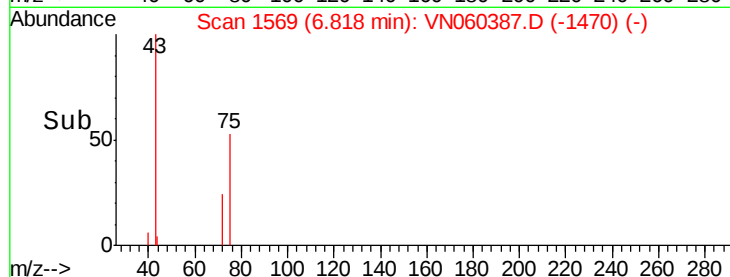
400

200

0

6.75 6.80 6.85

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.374 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060387.D

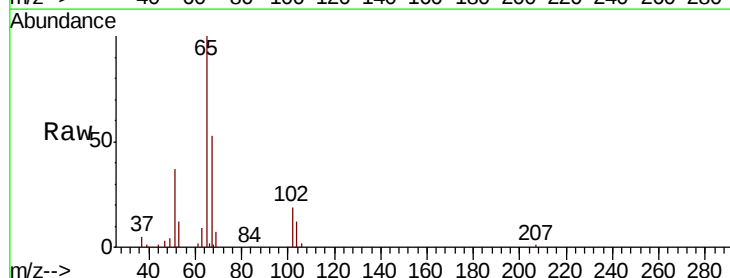
Acq: 6 Mar 2020 17:44

Tgt Ion: 65 Resp: 127931

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.00

60000

50000

40000

30000

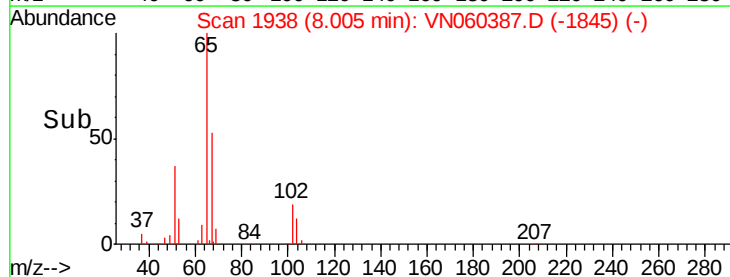
20000

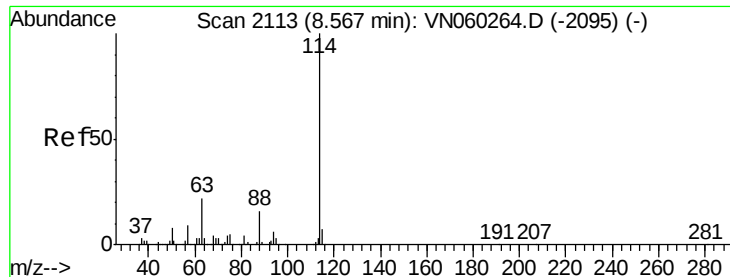
10000

0

7.90 8.00 8.10

Time-->

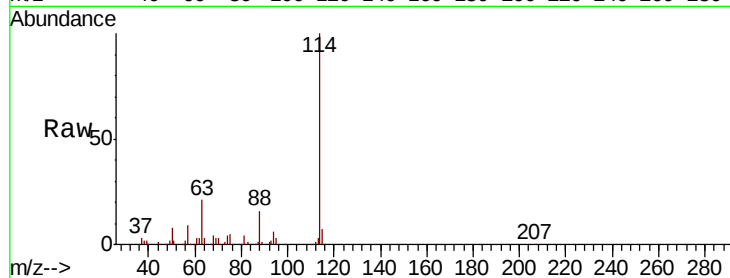




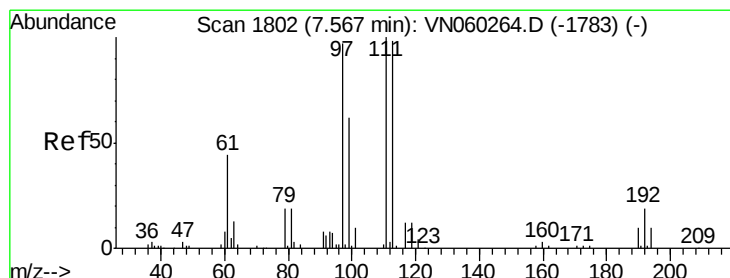
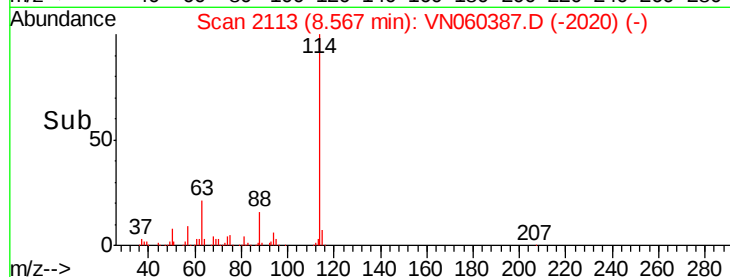
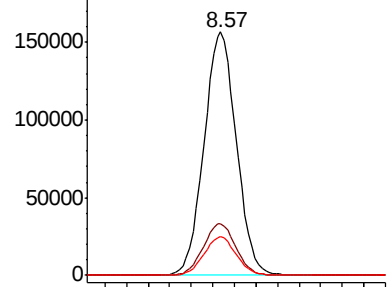
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060387.D
Acq: 6 Mar 2020 17:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 326027
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.2
88 16.0 0.0 31.6

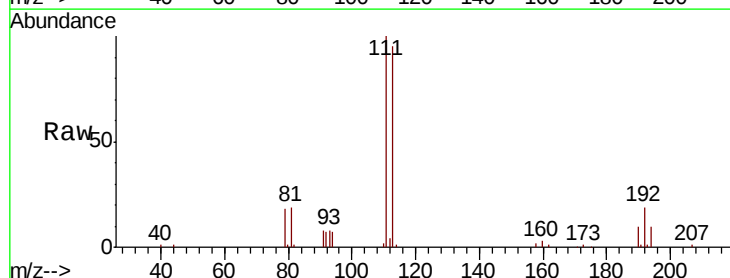


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

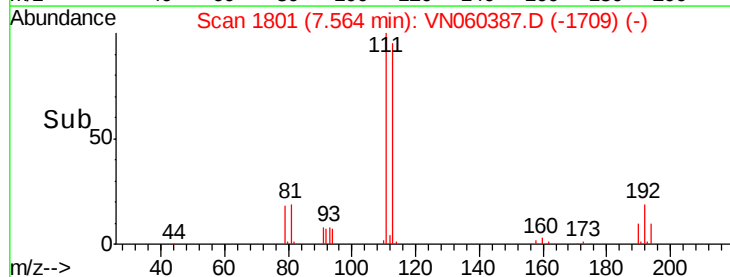
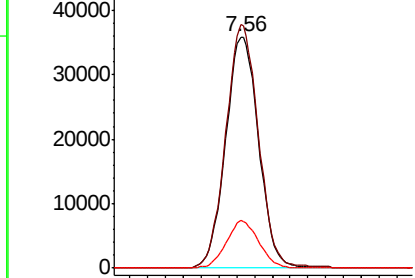


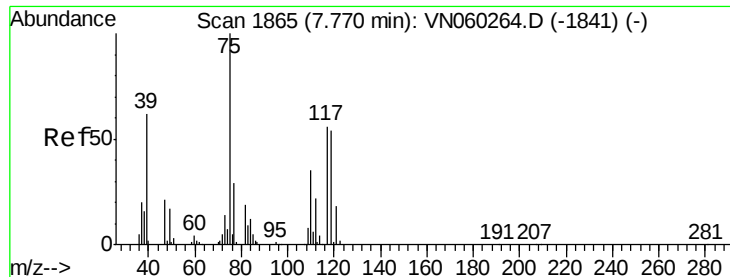
#35
Dibromofluoromethane
Concen: 61.024 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060387.D
Acq: 6 Mar 2020 17:44

Tgt Ion:113 Resp: 92349
Ion Ratio Lower Upper
113 100
111 103.3 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: 4.968 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060387.D

Acq: 6 Mar 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

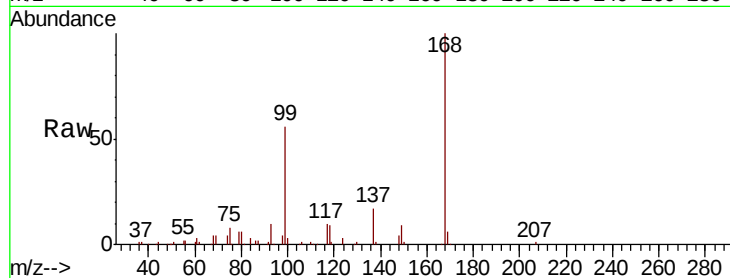
Tot Ion: 75 Resp: 15436

Ion Ratio Lower Upper

75 100

110 7.6 17.3 52.0#

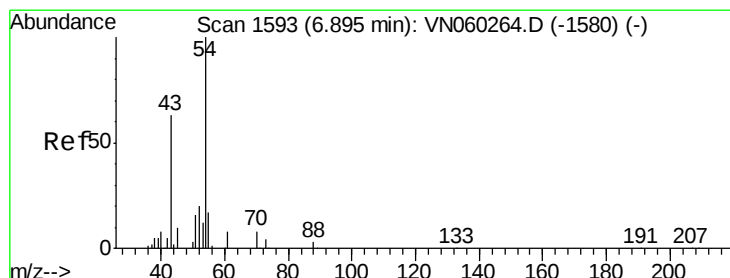
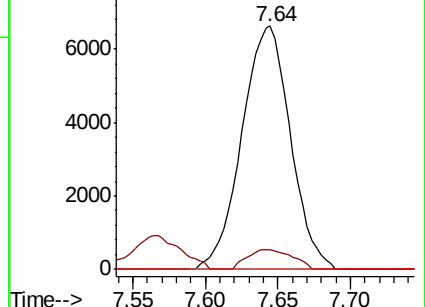
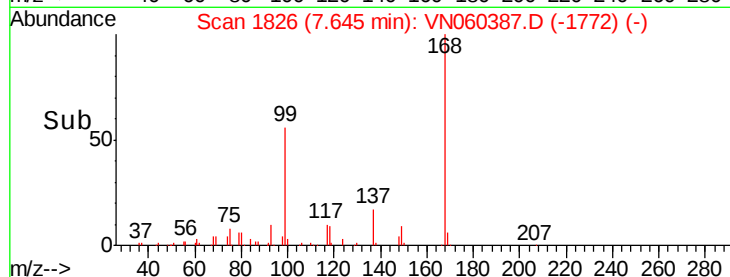
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060387.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060387.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060387.D (-1772) (-)



#37

Ethyl Acetate

Concen: 0.849 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.08 min

Lab File: VN060387.D

Acq: 6 Mar 2020 17:44

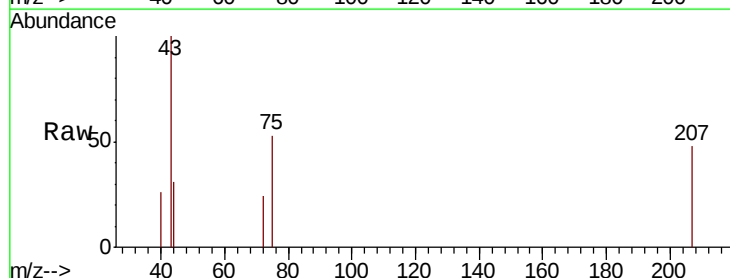
Tgt Ion: 43 Resp: 2499

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

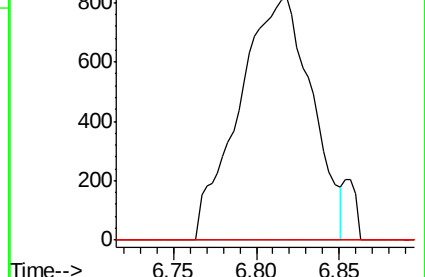
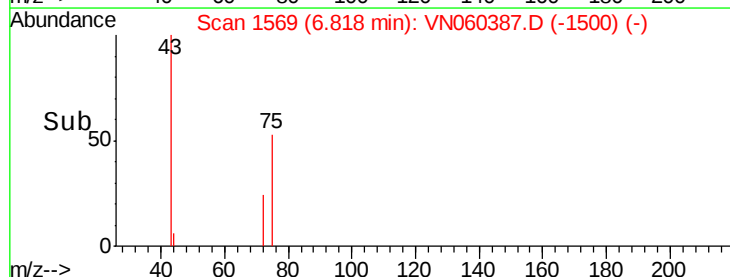
70 0.0 8.4 12.6#

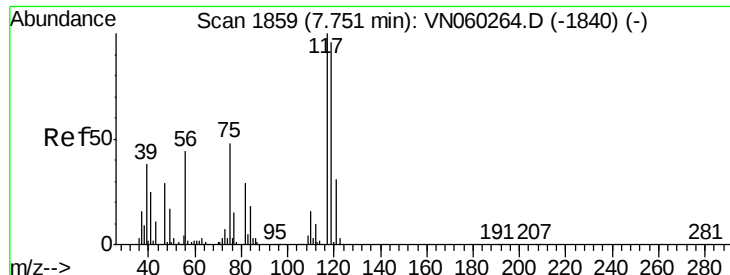


Abundance Ion 43.00 (42.70 to 43.70): VN060387.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060387.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060387.D (-1500) (-)

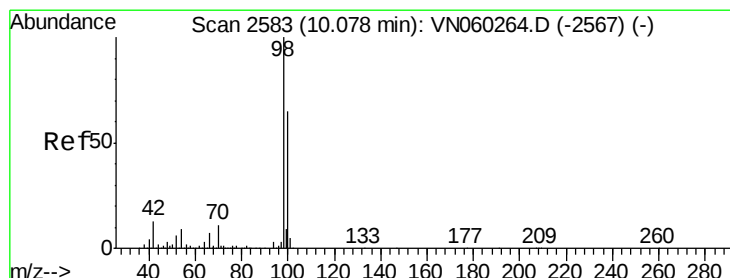
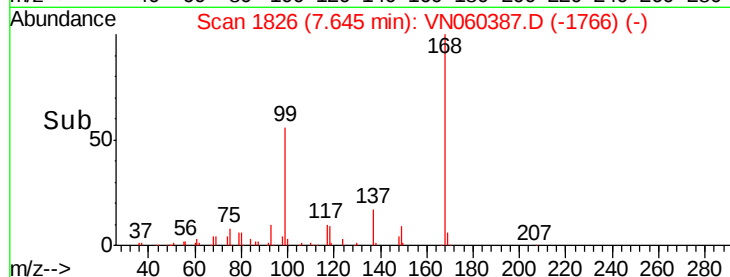
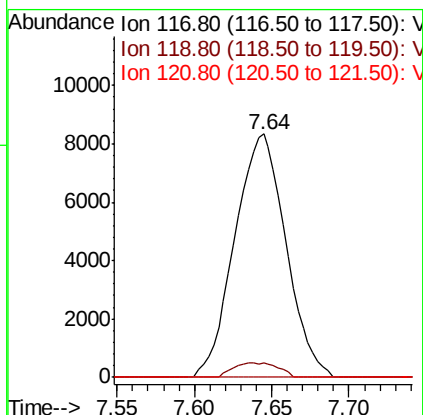
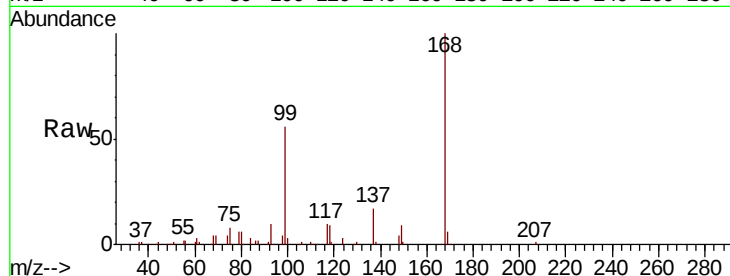




#38
Carbon Tetrachloride
Concen: 6.325 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060387.D
Acq: 6 Mar 2020 17:44

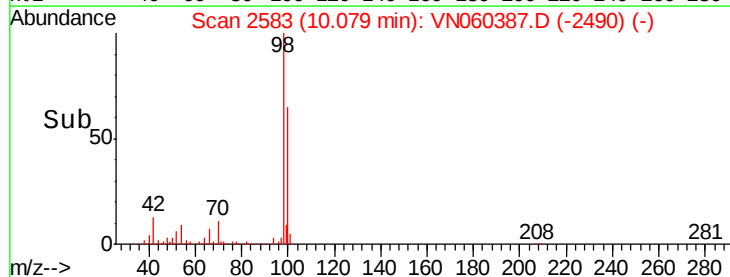
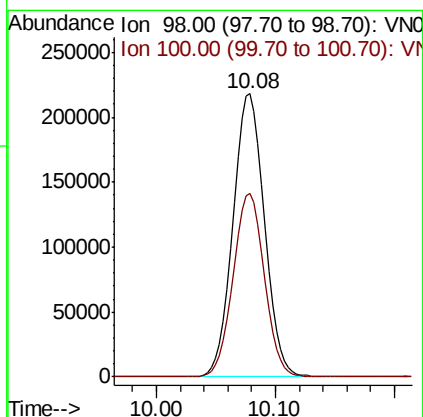
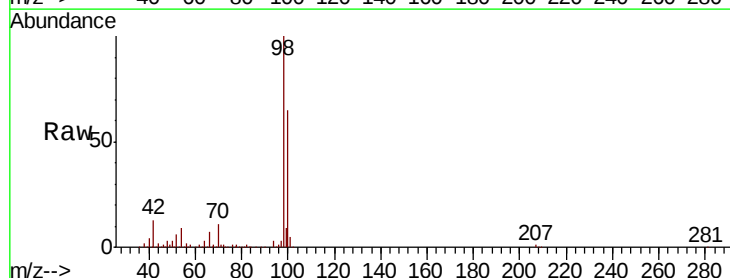
Instrument :
MSVOA_N
ClientSampled :

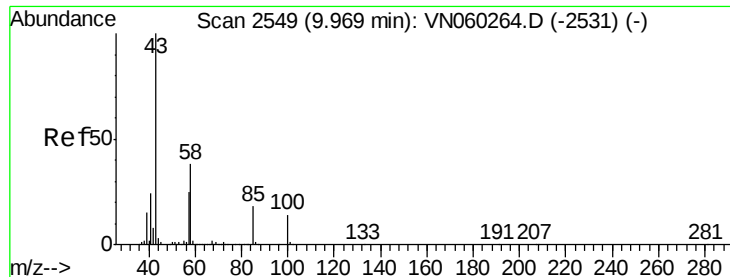
Tot Ion:117 Resp: 19135
Ion Ratio Lower Upper
117 100
119 5.7 76.7 115.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.146 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060387.D
Acq: 6 Mar 2020 17:44

Tgt Ion: 98 Resp: 399390
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2

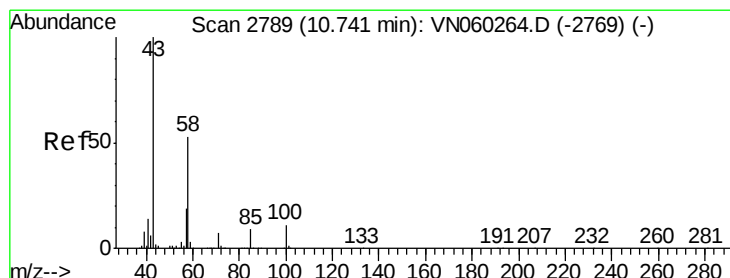
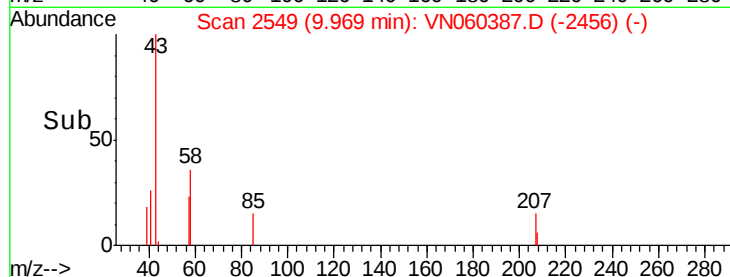
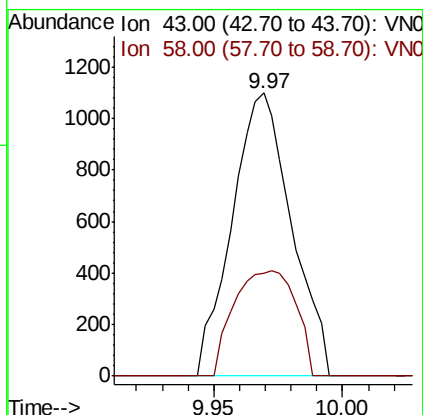
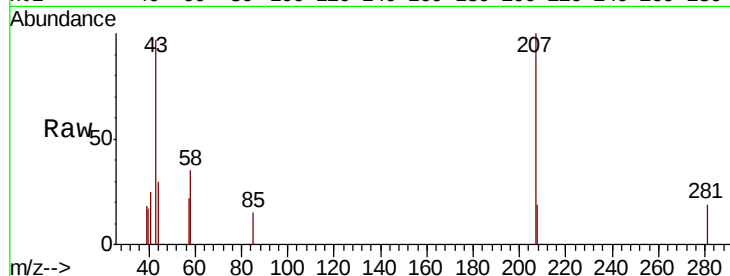




#51
4-Methyl-2-Pentanone
Concen: 0.604 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060387.D
Acq: 6 Mar 2020 17:44

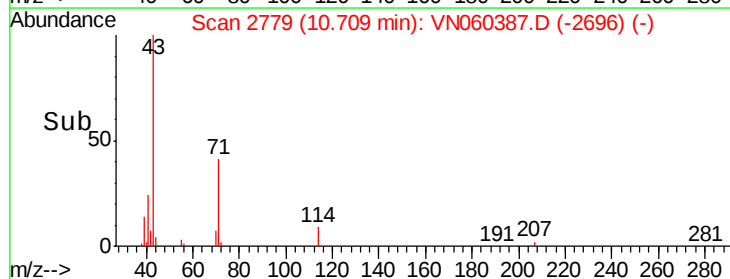
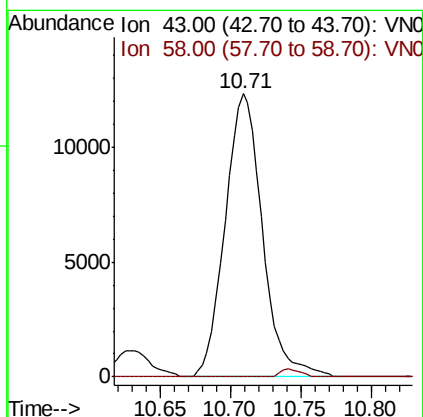
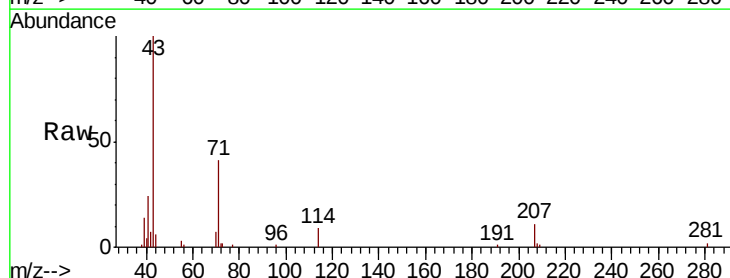
Instrument :
MSVOA_N
ClientSampled :

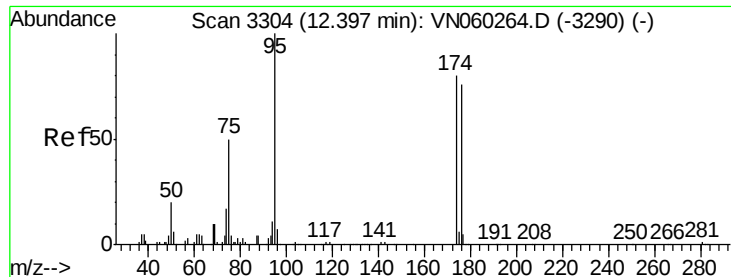
Tot Ion: 43 Resp: 1765
Ion Ratio Lower Upper
43 100
58 38.6 30.9 46.3



#59
2-Hexanone
Concen: 10.631 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. -0.03 min
Lab File: VN060387.D
Acq: 6 Mar 2020 17:44

Tgt Ion: 43 Resp: 22796
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 51.685 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060387.D

Acq: 6 Mar 2020 17:44

Instrument :

MSVOA_N

ClientSampled :

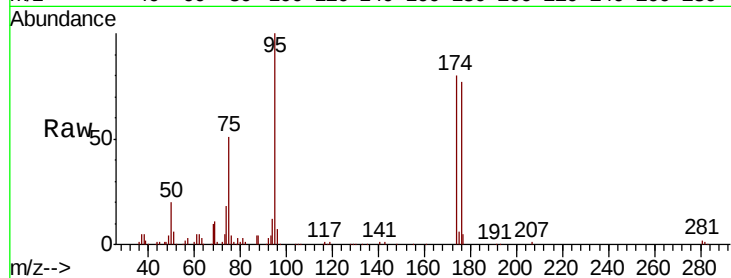
Tot Ion: 95 Resp: 150059

Ion Ratio Lower Upper

95 100

174 79.2 0.0 159.2

176 77.2 0.0 153.8



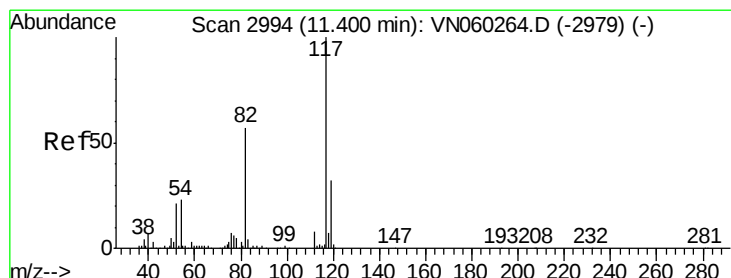
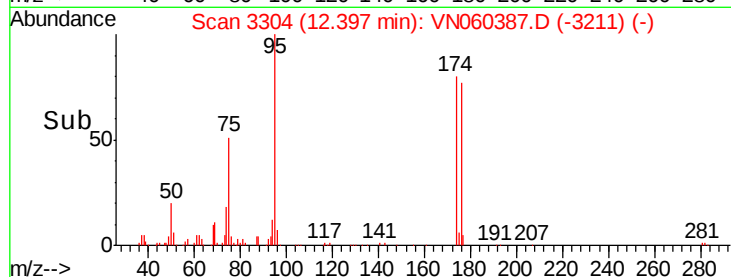
Abundance Ion 94.90 (94.60 to 95.60): VN060387.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060387.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060387.D (-3290) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060387.D

Acq: 6 Mar 2020 17:44

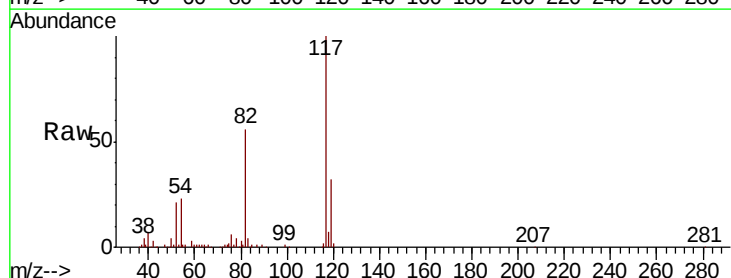
Tgt Ion: 117 Resp: 307345

Ion Ratio Lower Upper

117 100

82 56.2 45.8 68.6

119 32.0 25.8 38.8



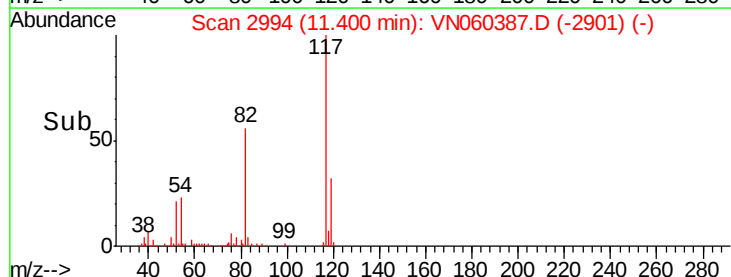
Abundance Ion 116.90 (116.60 to 117.60): VN060387.D (-2979) (-)

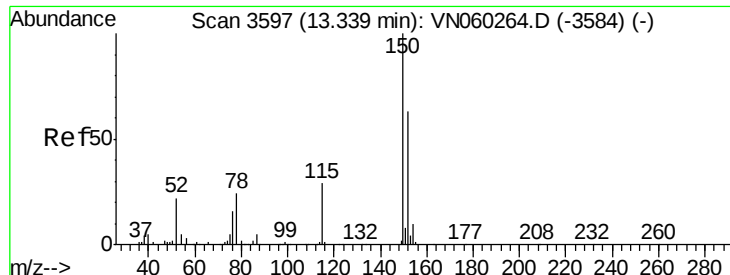
Ion 82.00 (81.70 to 82.70): VN060387.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060387.D (-2979) (-)

11.40

Time-->



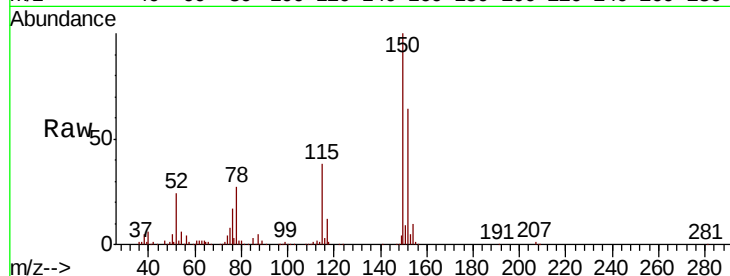


#72

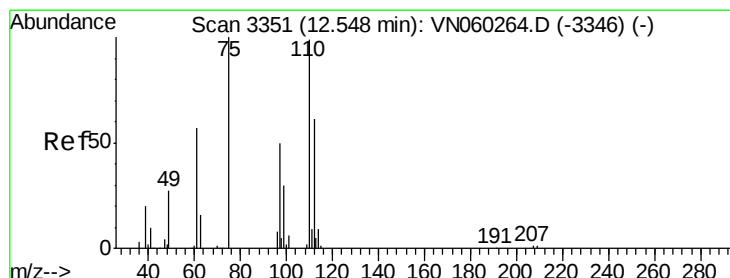
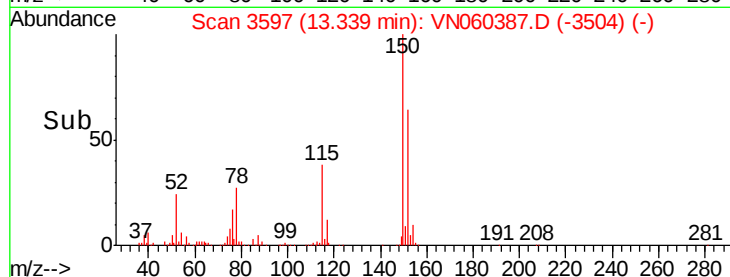
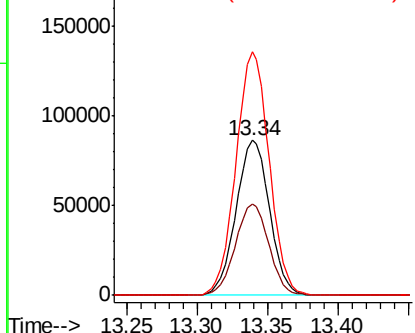
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060387.D
Acq: 6 Mar 2020 17:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 144253
Ion Ratio Lower Upper
152 100
115 58.6 30.0 90.0
150 155.3 0.0 349.6



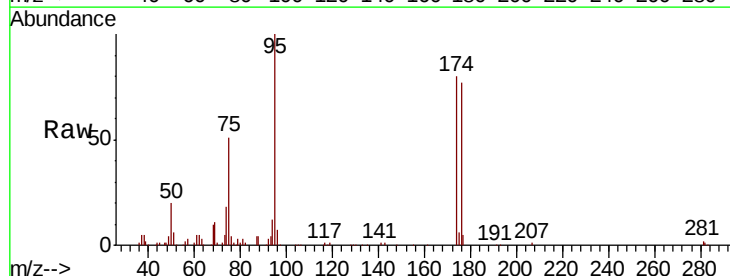
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



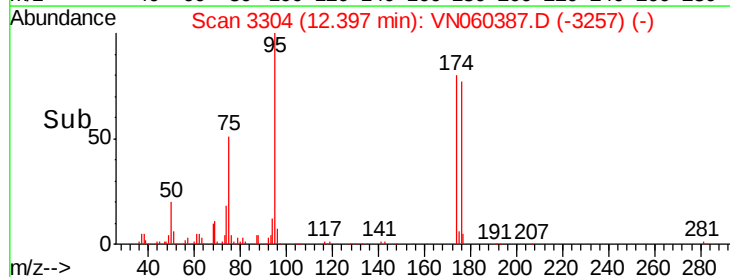
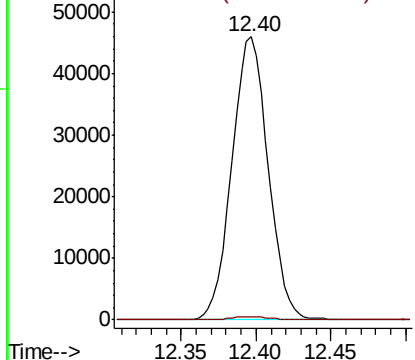
#76

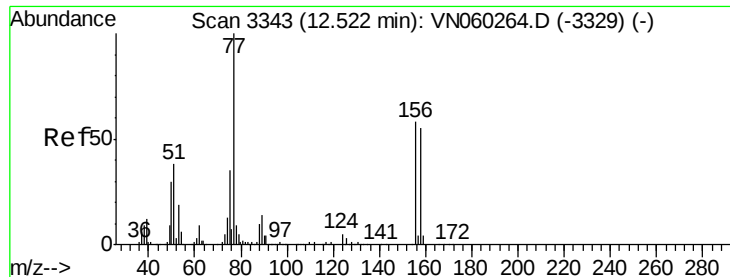
1,2,3-Trichloropropane
Concen: 24.512 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060387.D
Acq: 6 Mar 2020 17:44

Tgt Ion: 75 Resp: 77579
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





#77

Bromobenzene

Concen: 0.714 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

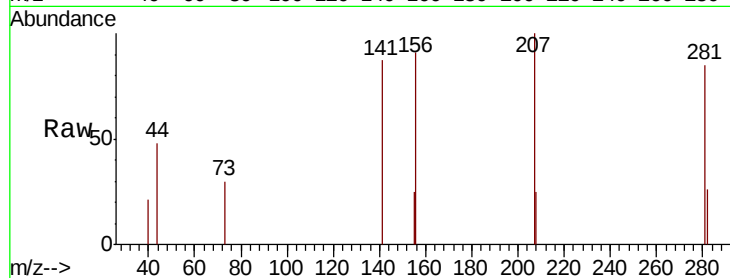
Lab File: VN060387.D

Acq: 6 Mar 2020 17:44

Instrument :

MSVOA_N

ClientSampled :



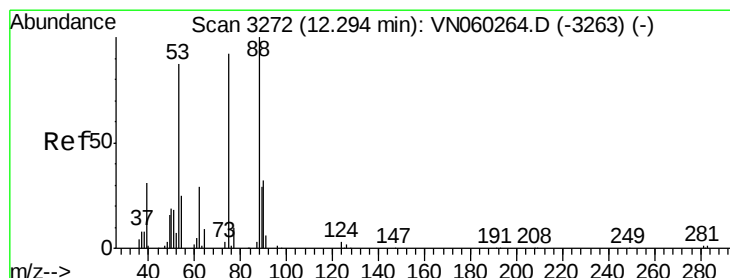
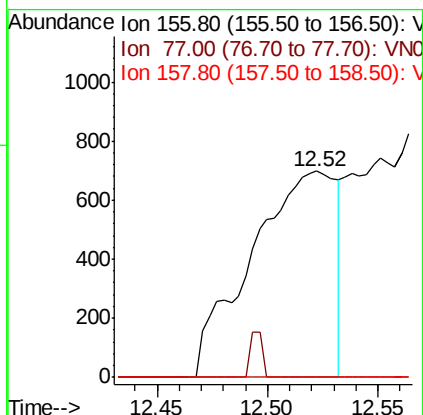
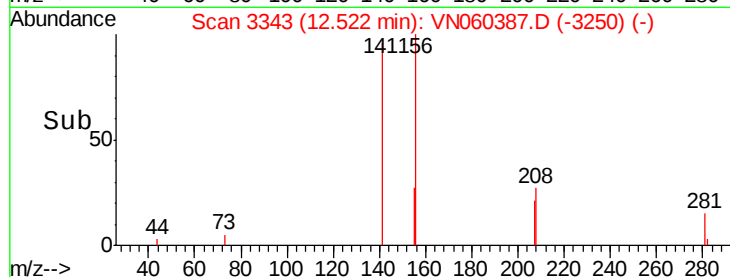
Tot Ion:156 Resp: 1871

Ion Ratio Lower Upper

156 100

77 0.0 106.1 318.3#

158 0.0 48.3 144.8#



#81

trans-1,4-Dichloro-2-butene

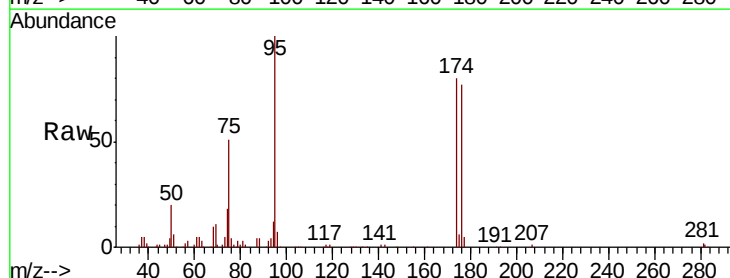
Concen: 67.665 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060387.D

Acq: 6 Mar 2020 17:44



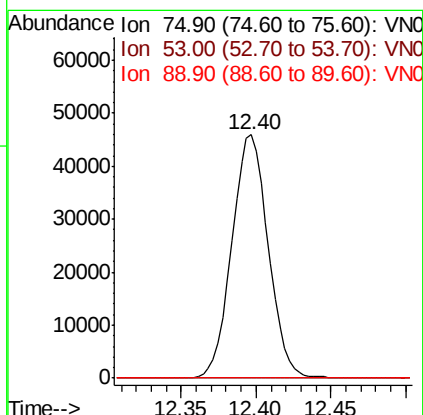
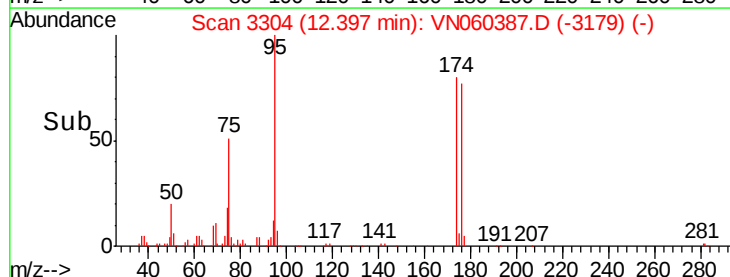
Tgt Ion: 75 Resp: 77579

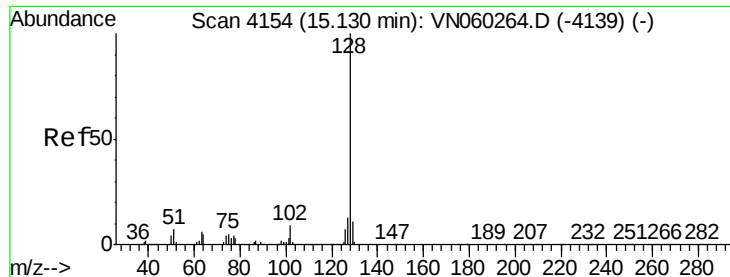
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#





#95

Naphthalene

Concen: 0.804 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060387.D

Acq: 6 Mar 2020 17:44

Instrument :

MSVOA_N

ClientSampleId :

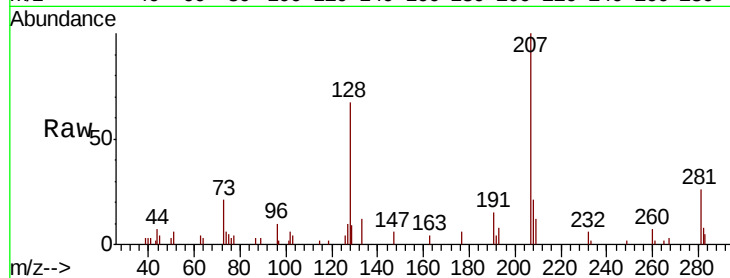
Tot Ion:128 Resp: 9207

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

129 11.1 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

