

Data File : VN059960.D
Acq On : 31 Jan 2020 19:52
Operator : JC/MD
Sample : L1329-19 50X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
COMP-5

Quant Time: Feb 03 01:24:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	188537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	287910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	258807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	117268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	104036	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	7.57	113	86564	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.08	98	340384	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.40	95	118306	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds

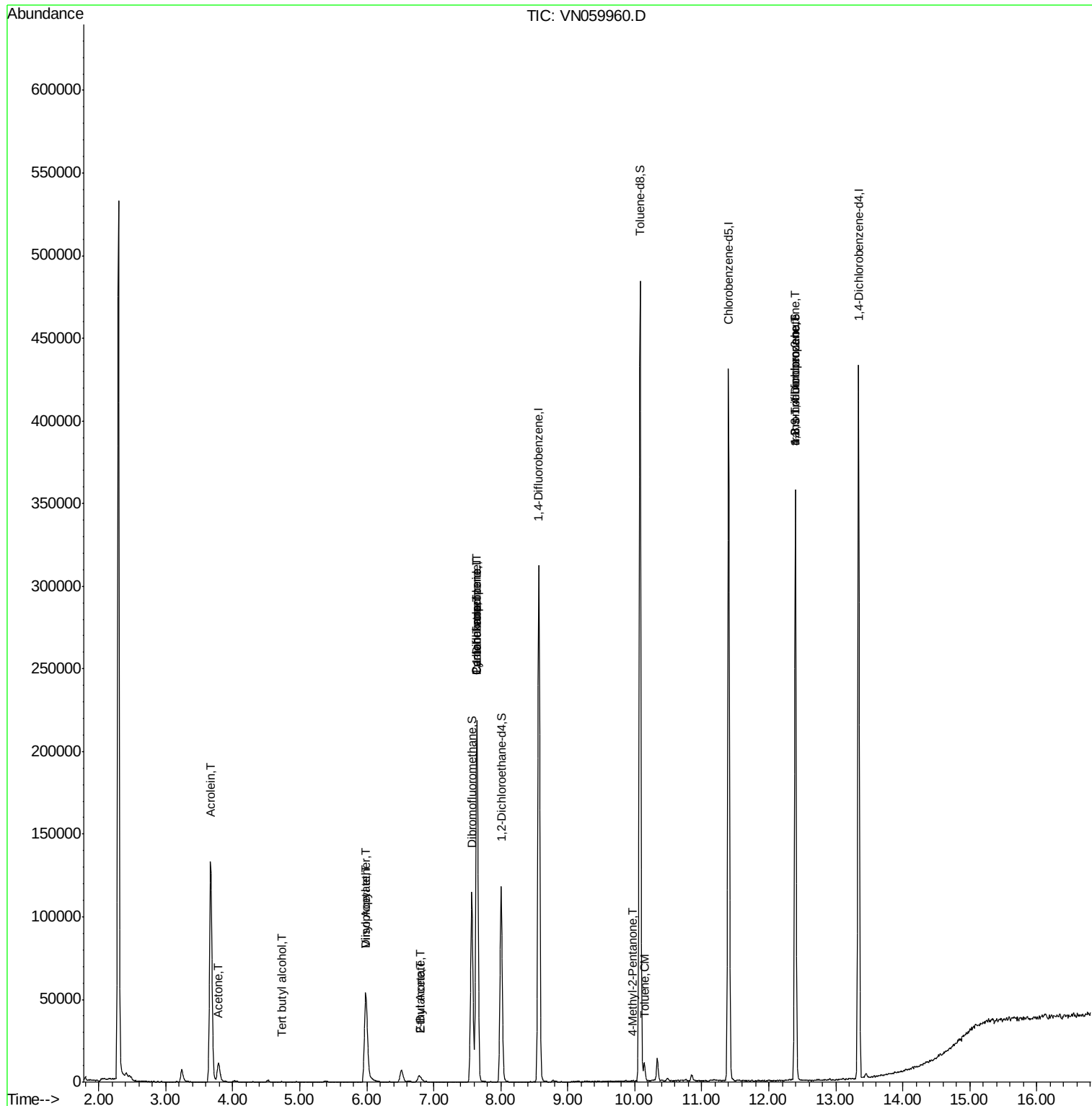
						Qvalue
11) Tert butyl alcohol	4.73	59	180	0.511	ug/l #	72
13) Acrolein	3.66	56	1049	4.204	ug/l #	1
16) Acetone	3.79	43	20132	18.939	ug/l	89
20) Methylene Chloride	4.53	84	792	Below Cal	#	78
22) Diisopropyl ether	5.99	45	4400	0.835	ug/l #	1
23) Vinyl Acetate	5.98	43	11833	2.901	ug/l #	74
25) 2-Butanone	6.81	43	1987	1.676	ug/l	97
31) Cyclohexane	7.64	56	3667	1.184	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12870	5.133	ug/l #	51
37) Ethyl Acetate	6.81	43	1987	0.845	ug/l #	69
38) Carbon Tetrachloride	7.64	117	17560	6.439	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	915	0.391	ug/l #	38
52) Toluene	10.14	92	5148	1.090	ug/l	95
76) 1,2,3-Trichloropropane	12.40	75	60288	30.549	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	60288	65.604	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30	Below Cal	#	6

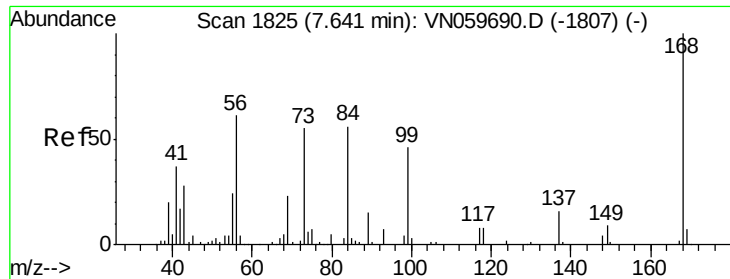
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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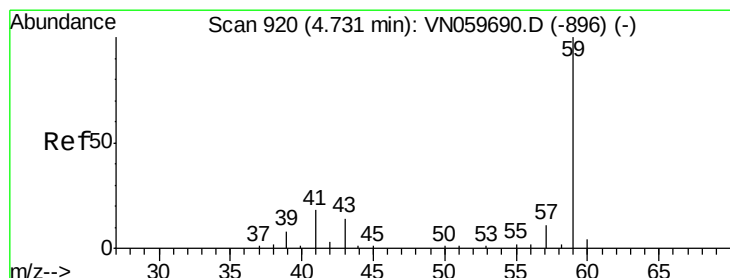
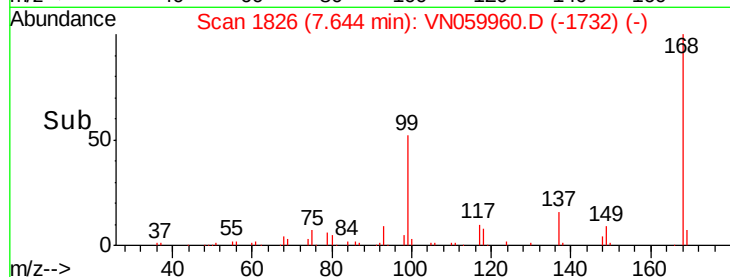
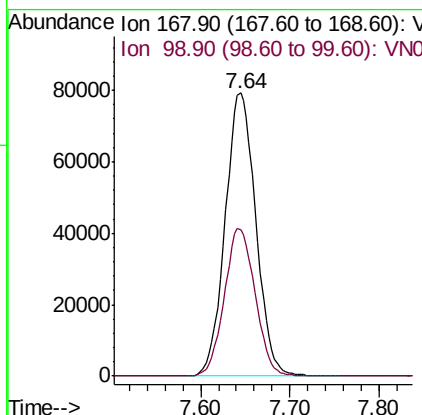
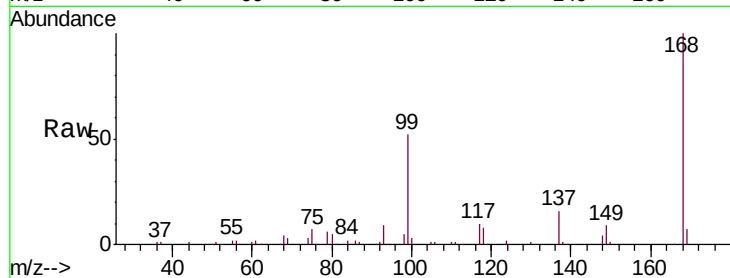




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN059960.D
Acq: 31 Jan 2020 19:52

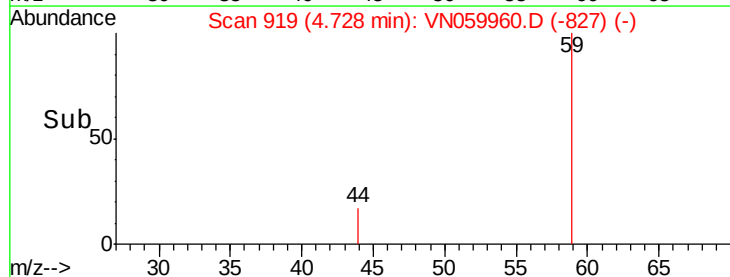
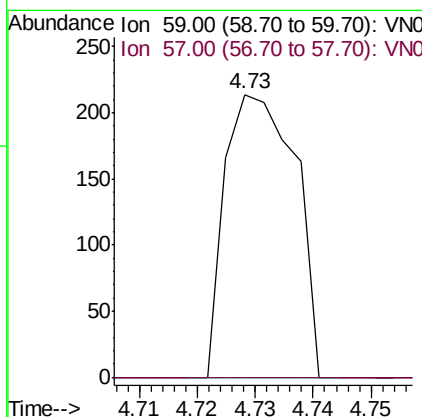
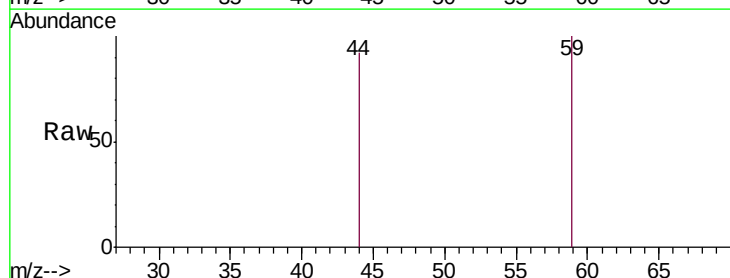
Instrument :
MSVOA_N
ClientSampled :
COMP-5

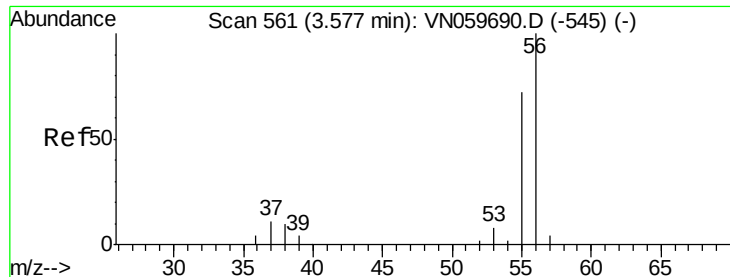
Tgt Ion: 168 Resp: 188537
Ion Ratio Lower Upper
168 100
99 51.9 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.511 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059960.D
Acq: 31 Jan 2020 19:52

Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 4.204 ug/l

RT: 3.66 min Scan# 588

Delta R.T. 0.09 min

Lab File: VN059960.D

Acq: 31 Jan 2020 19:52

Instrument :

MSVOA_N

ClientSampled :

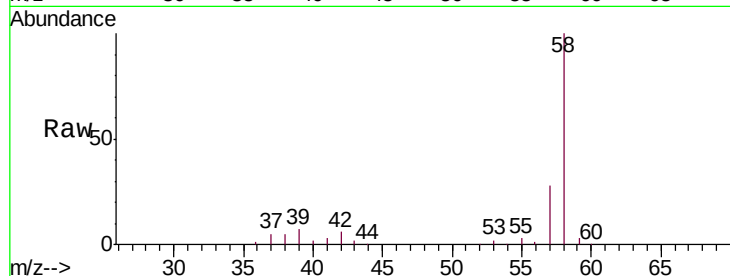
COMP-5

Tgt Ion: 56 Resp: 1049

Ion Ratio Lower Upper

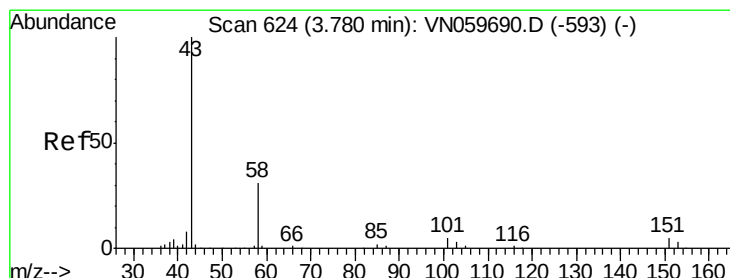
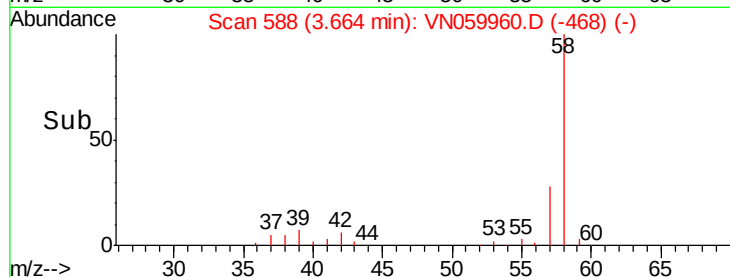
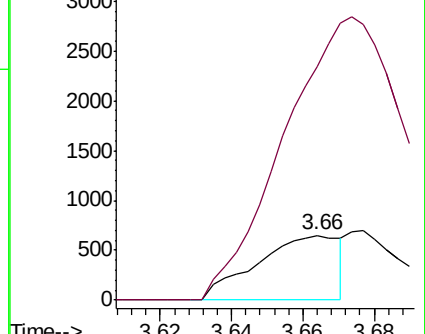
56 100

55 678.3 58.6 88.0#



Abundance Ion 56.00 (55.70 to 56.70): VN059960.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN059960.D (-545) (-)



#16

Acetone

Concen: 18.939 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059960.D

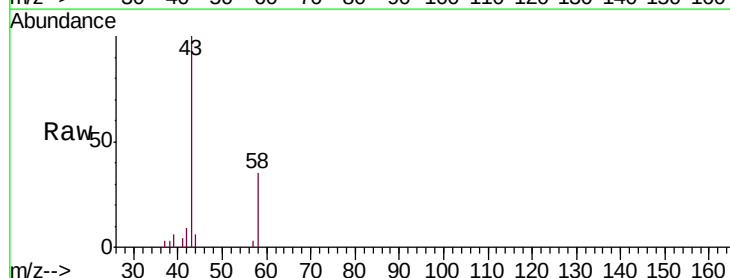
Acq: 31 Jan 2020 19:52

Tgt Ion: 43 Resp: 20132

Ion Ratio Lower Upper

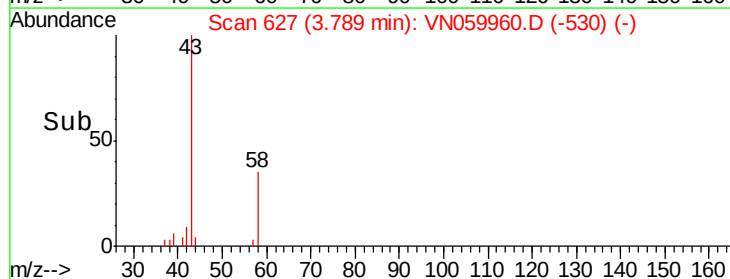
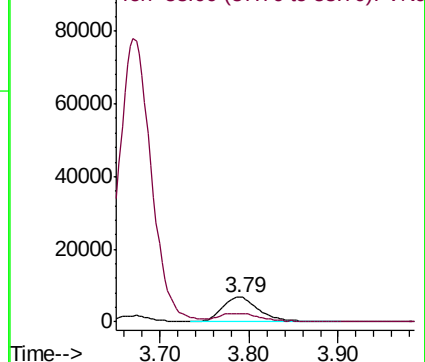
43 100

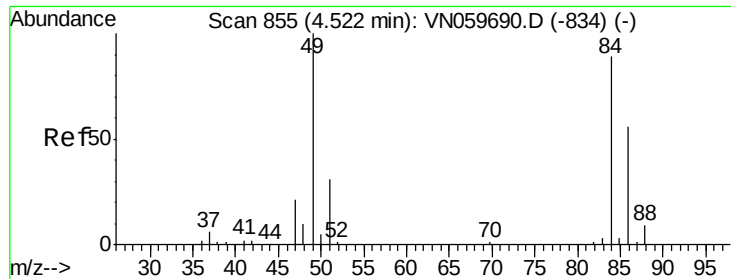
58 35.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059960.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059960.D (-593) (-)



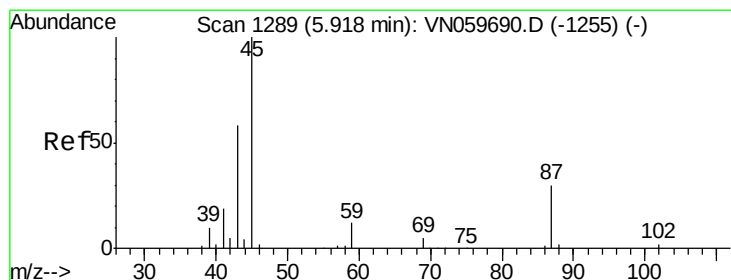
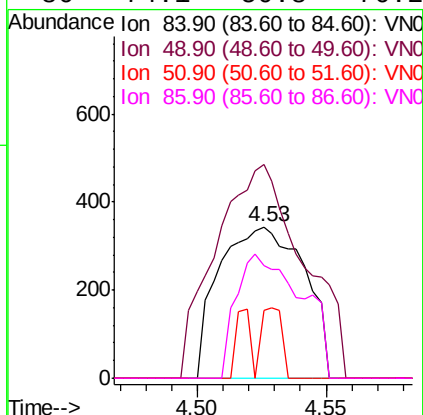
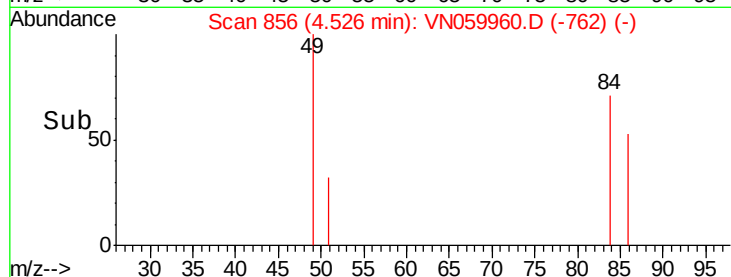
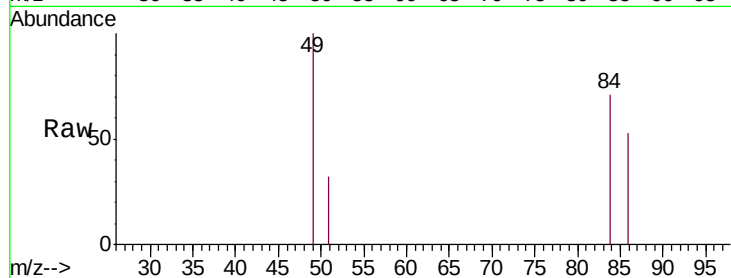


#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059960.D
Acq: 31 Jan 2020 19:52

Instrument :
MSVOA_N
ClientSampled :
COMP-5

Tgt Ion: 84 Resp: 792

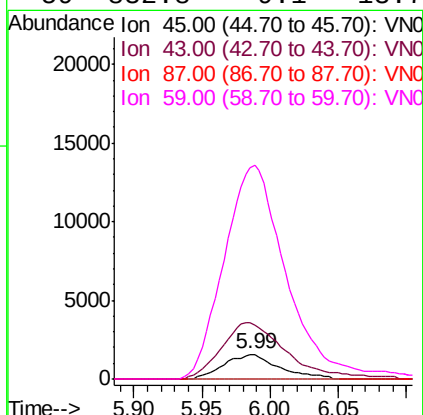
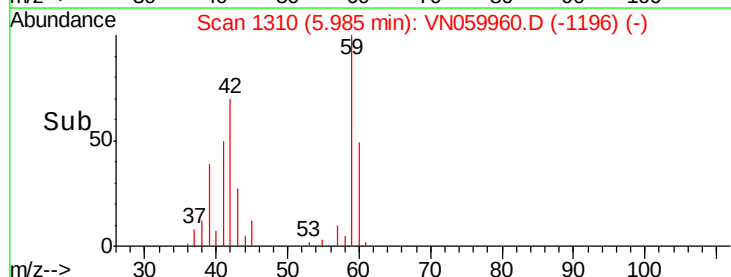
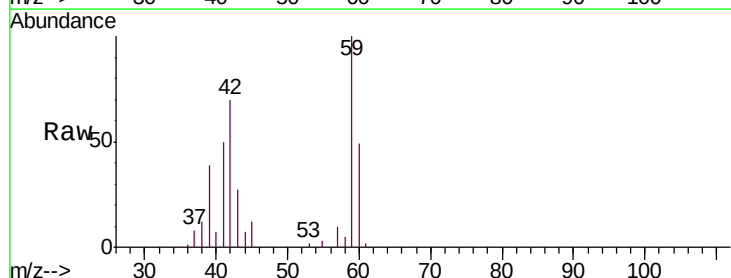
Ion	Ratio	Lower	Upper
84	100		
49	96.5	106.6	160.0#
51	44.5	31.9	47.9
86	74.1	50.8	76.2

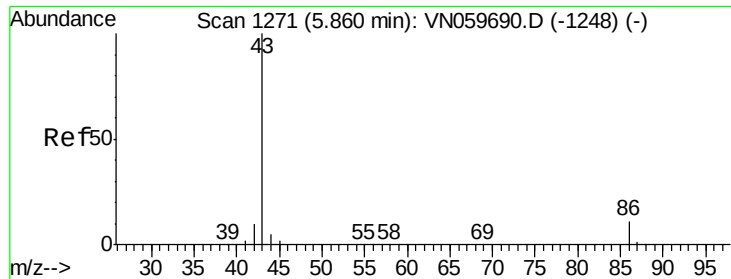


#22
Diisopropyl ether
Concen: 0.835 ug/l
RT: 5.99 min Scan# 1310
Delta R.T. 0.07 min
Lab File: VN059960.D
Acq: 31 Jan 2020 19:52

Tgt Ion: 45 Resp: 4400

Ion	Ratio	Lower	Upper
45	100		
43	215.1	50.8	76.2#
87	0.0	21.0	31.6#
59	832.8	9.1	13.7#





#23

Vinyl Acetate

Concen: 2.901 ug/l

RT: 5.98 min Scan# 1309

Delta R.T. 0.12 min

Lab File: VN059960.D

Acq: 31 Jan 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

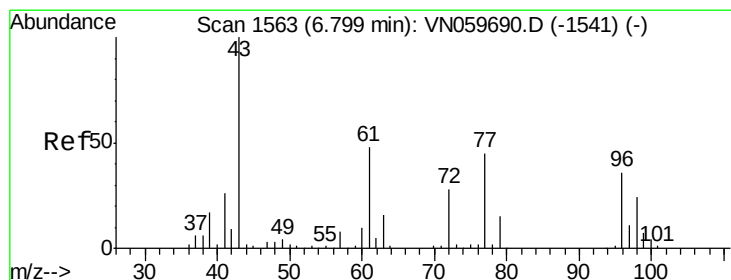
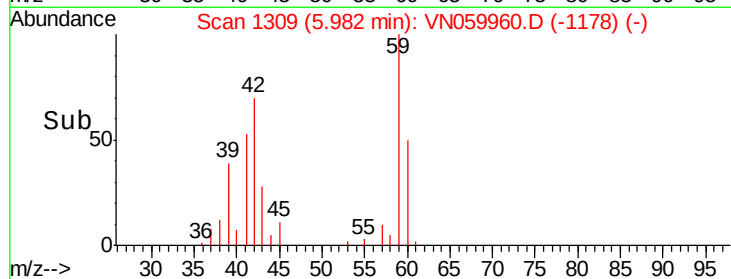
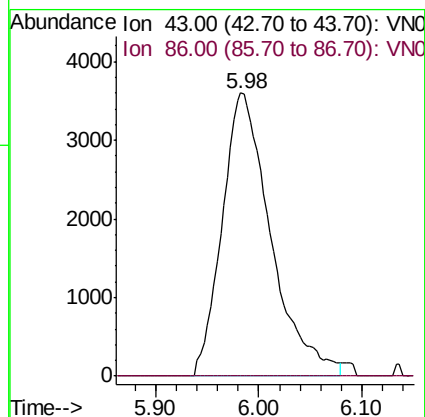
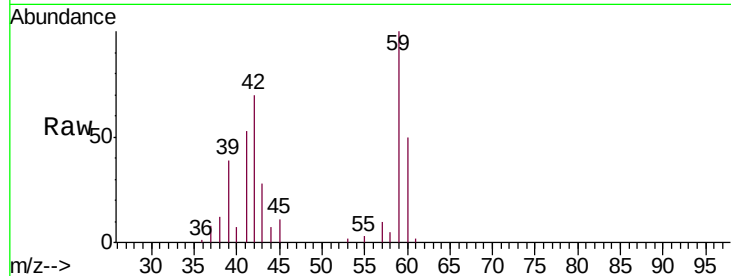
COMP-5

Tgt Ion: 43 Resp: 11833

Ion Ratio Lower Upper

43 100

86 0.0 7.6 11.4#



#25

2-Butanone

Concen: 1.676 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.02 min

Lab File: VN059960.D

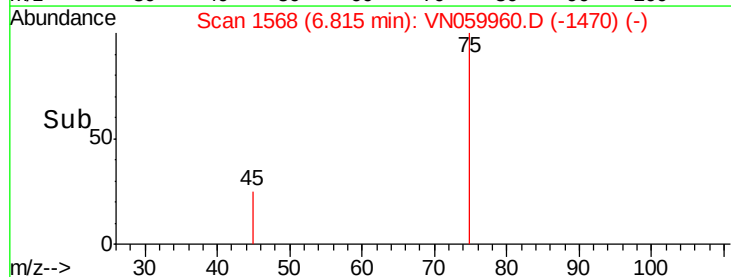
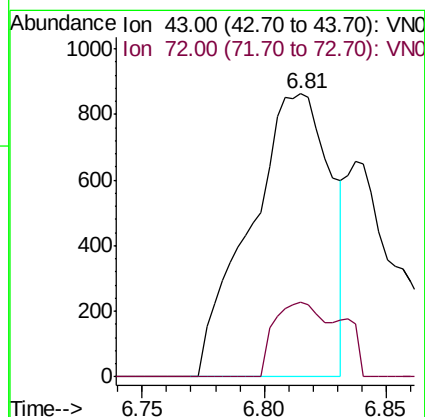
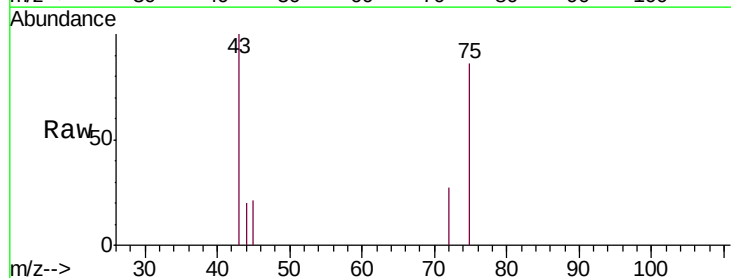
Acq: 31 Jan 2020 19:52

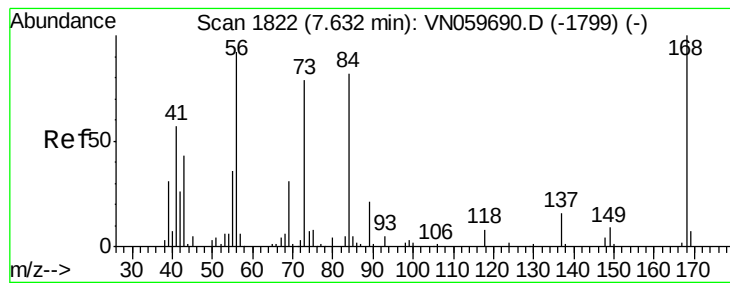
Tgt Ion: 43 Resp: 1987

Ion Ratio Lower Upper

43 100

72 26.5 19.9 29.9





#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059960.D

Acq: 31 Jan 2020 19:52

Instrument :

MSVOA_N

ClientSampled :

COMP-5

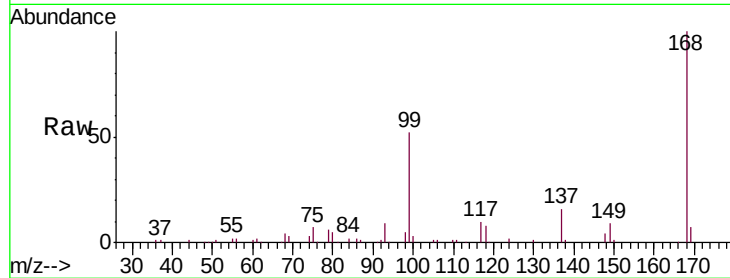
Tgt Ion: 56 Resp: 3667

Ion Ratio Lower Upper

56 100

69 170.1 26.5 39.7#

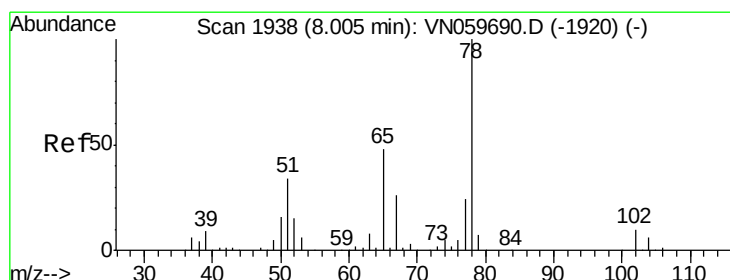
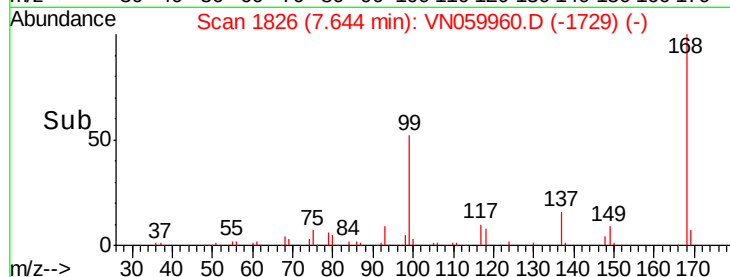
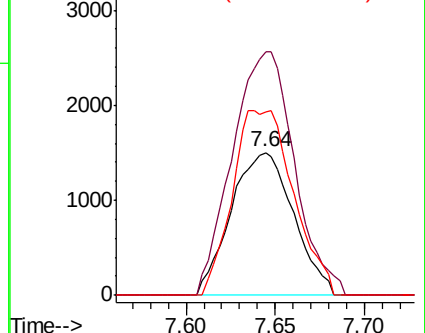
84 128.1 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.689 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059960.D

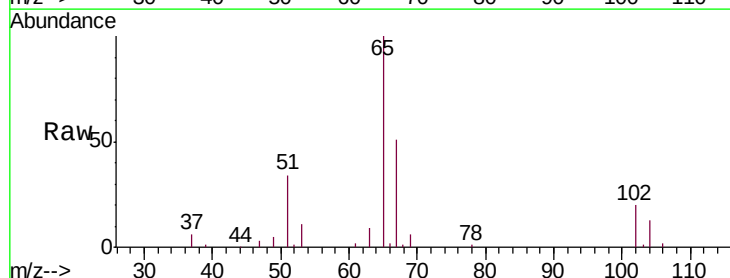
Acq: 31 Jan 2020 19:52

Tgt Ion: 65 Resp: 104036

Ion Ratio Lower Upper

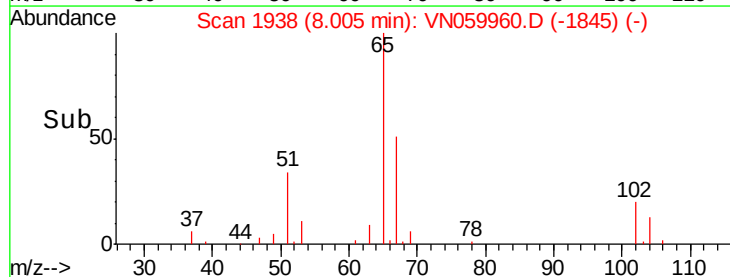
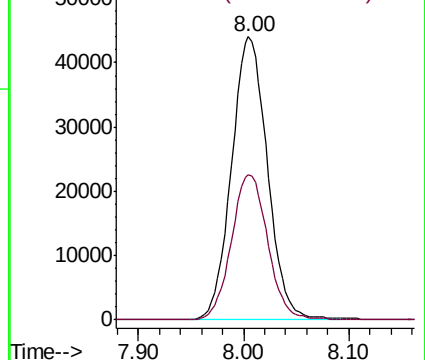
65 100

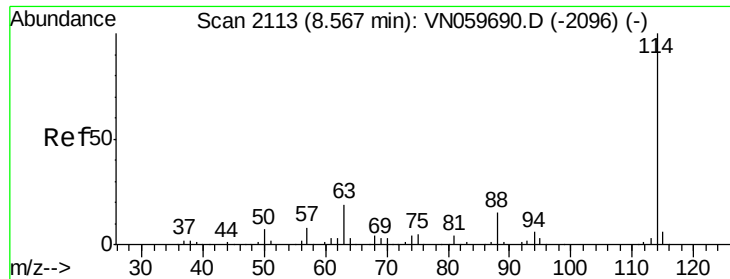
67 51.8 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

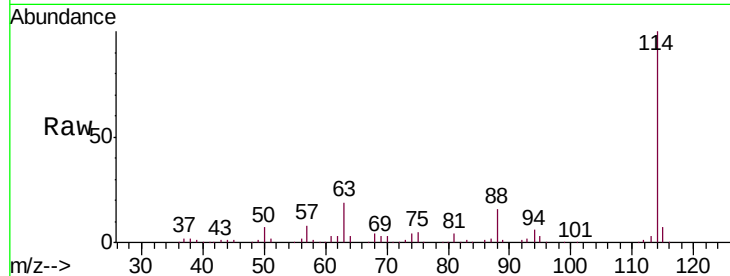




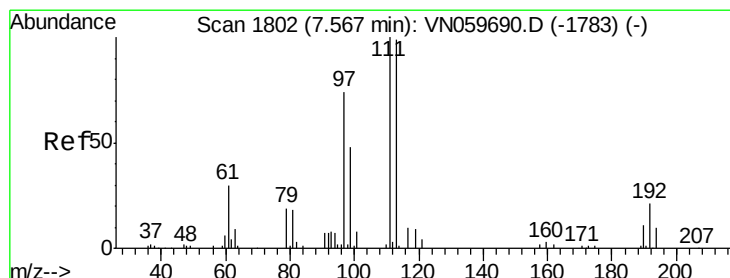
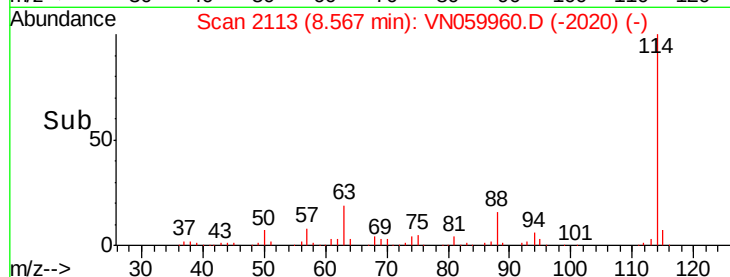
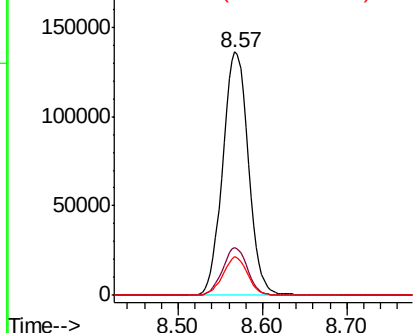
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN059960.D
Acq: 31 Jan 2020 19:52

Instrument :
MSVOA_N
ClientSampleId :
COMP-5

Tgt Ion:114 Resp: 287910
Ion Ratio Lower Upper
114 100
63 19.5 0.0 43.6
88 15.7 0.0 31.4

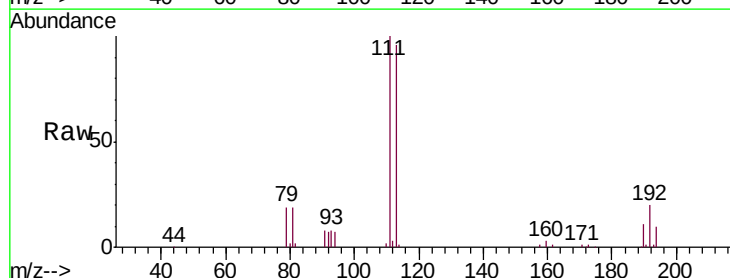


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

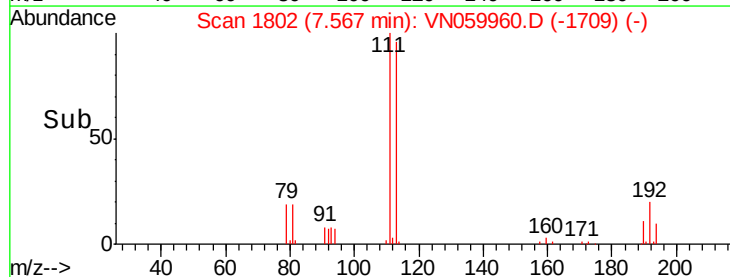
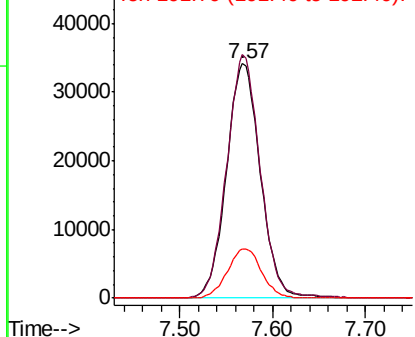


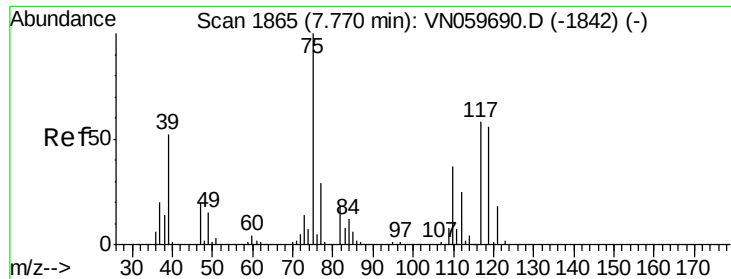
#35
Dibromofluoromethane
Concen: 50.418 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059960.D
Acq: 31 Jan 2020 19:52

Tgt Ion:113 Resp: 86564
Ion Ratio Lower Upper
113 100
111 102.7 83.5 125.3
192 21.0 15.4 23.2



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: 5.133 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN059960.D

Acq: 31 Jan 2020 19:52

Instrument :

MSVOA_N

ClientSampled :

COMP-5

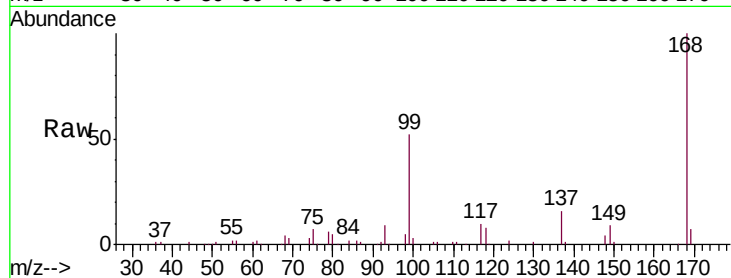
Tgt Ion: 75 Resp: 12870

Ion Ratio Lower Upper

75 100

110 9.0 16.6 49.7#

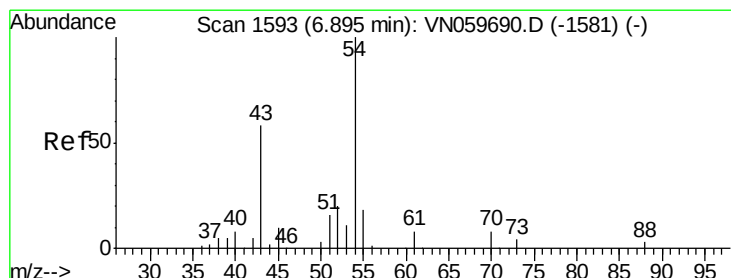
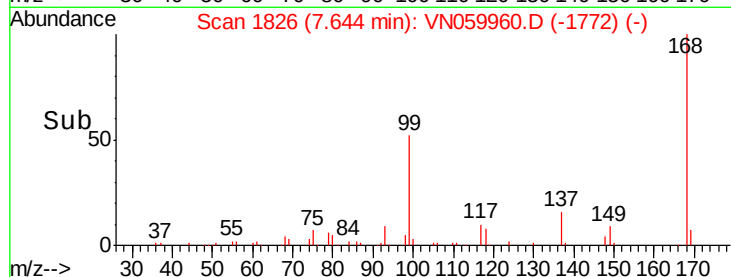
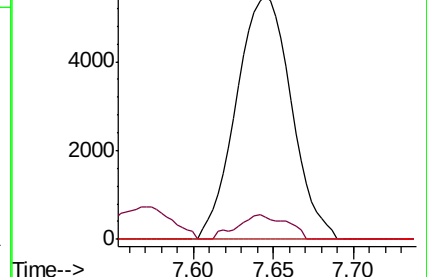
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN059960.D (-1842) (-)

Ion 109.90 (109.60 to 110.60): VN059960.D (-1842) (-)

Ion 76.90 (76.60 to 77.60): VN059960.D (-1842) (-)



#37

Ethyl Acetate

Concen: 0.845 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.08 min

Lab File: VN059960.D

Acq: 31 Jan 2020 19:52

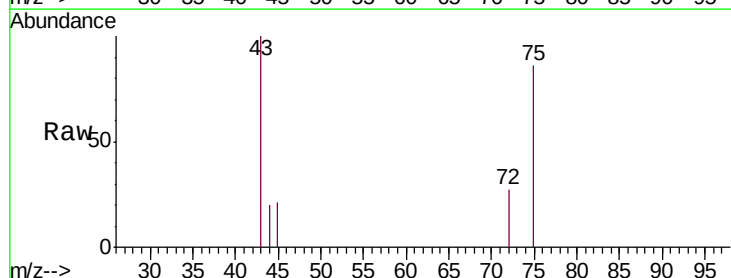
Tgt Ion: 43 Resp: 1987

Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

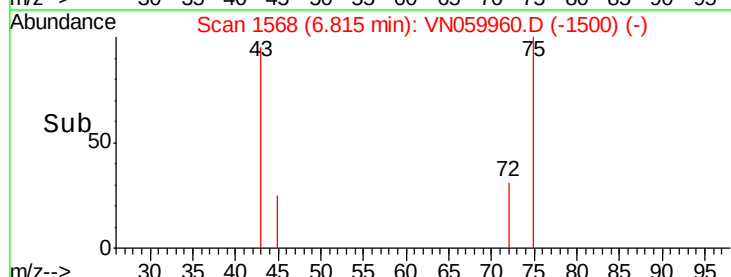
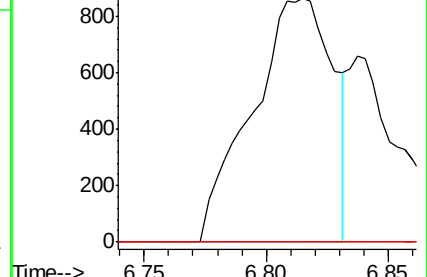
70 0.0 7.7 11.5#

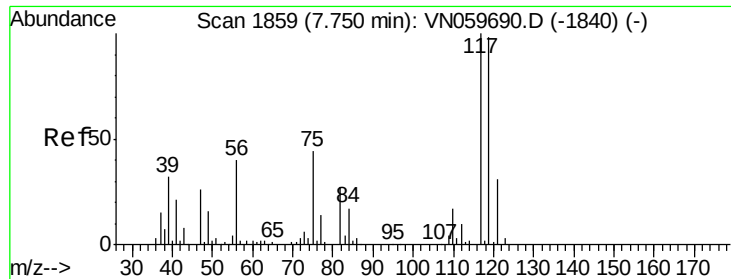


Abundance Ion 43.00 (42.70 to 43.70): VN059960.D (-1581) (-)

Ion 60.90 (60.60 to 61.60): VN059960.D (-1581) (-)

Ion 70.00 (69.70 to 70.70): VN059960.D (-1581) (-)





#38

Carbon Tetrachloride

Concen: 6.439 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059960.D

Acq: 31 Jan 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

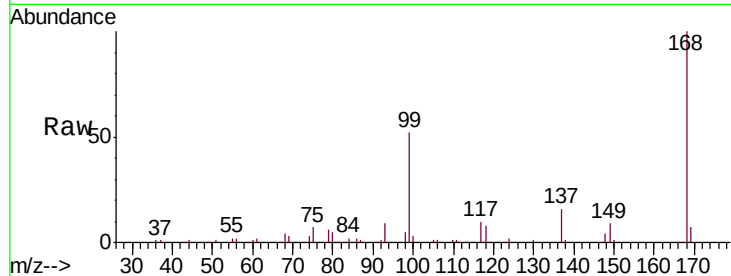
Tgt Ion:117 Resp: 17560

Ion Ratio Lower Upper

117 100

119 4.2 76.5 114.7#

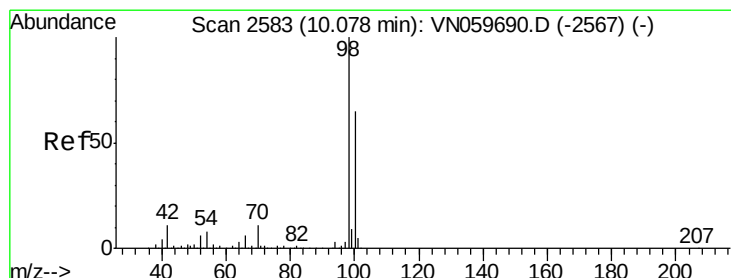
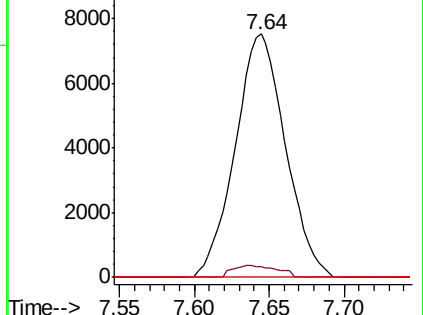
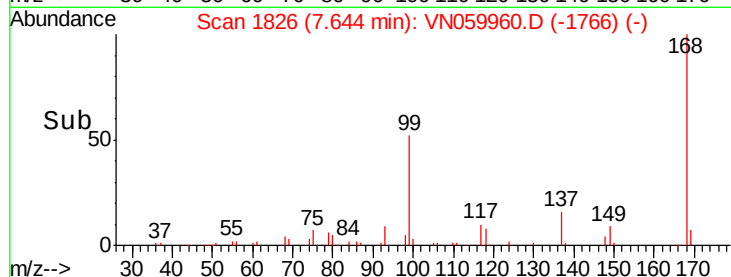
121 0.0 25.1 37.7#



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



#50

Toluene-d8

Concen: 51.168 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059960.D

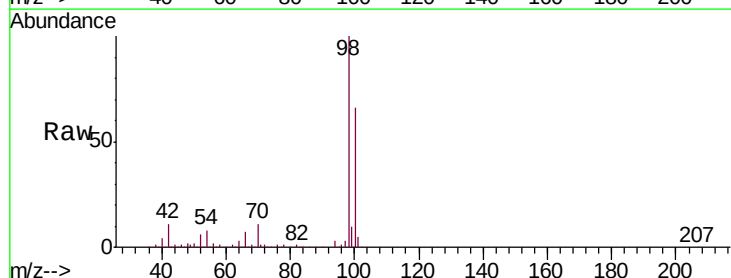
Acq: 31 Jan 2020 19:52

Tgt Ion: 98 Resp: 340384

Ion Ratio Lower Upper

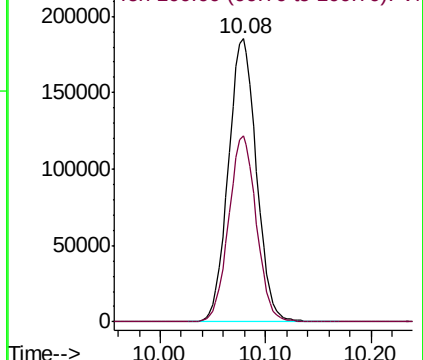
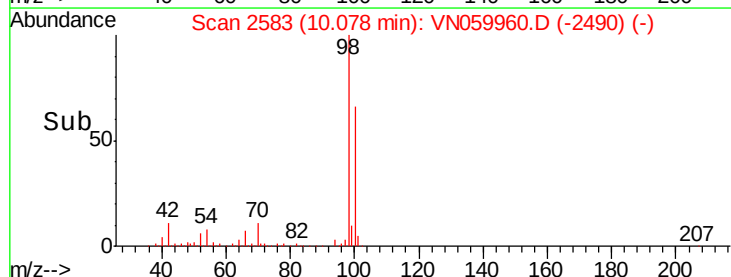
98 100

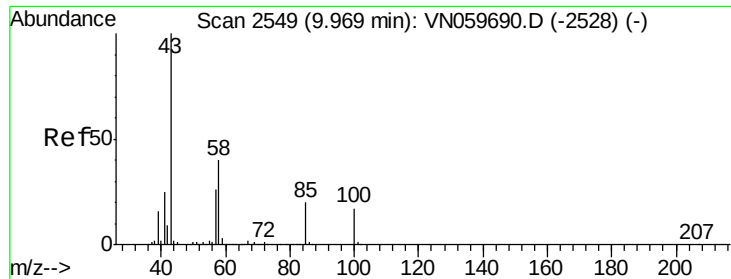
100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

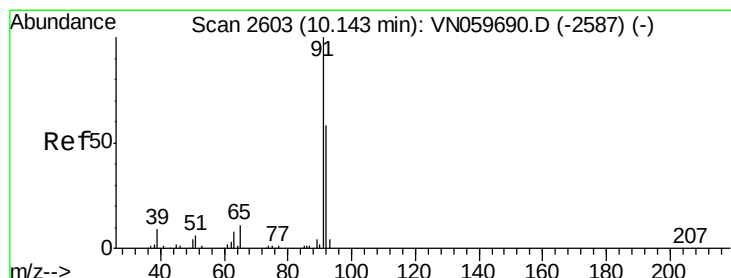
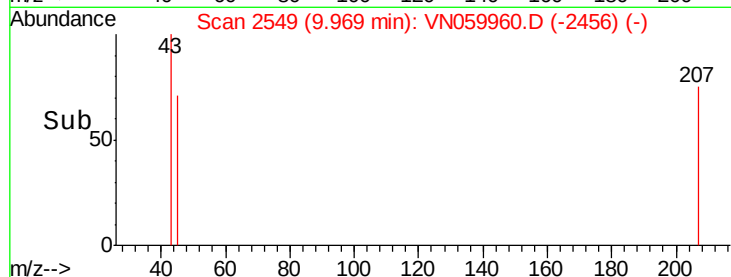
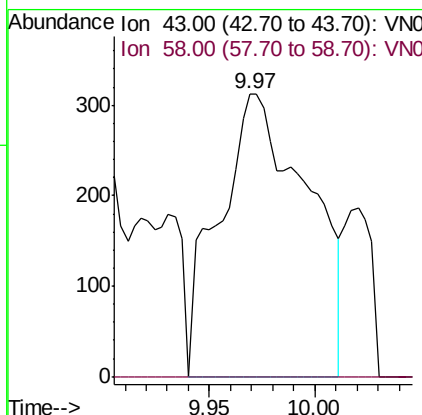
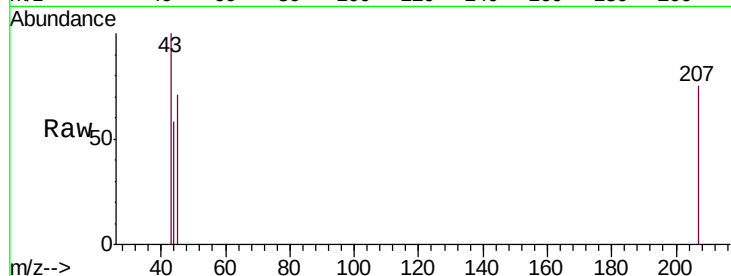




#51
 4-Methyl-2-Pentanone
 Concen: 0.391 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN059960.D
 Acq: 31 Jan 2020 19:52

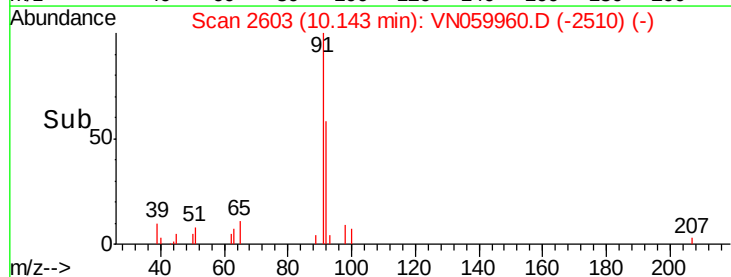
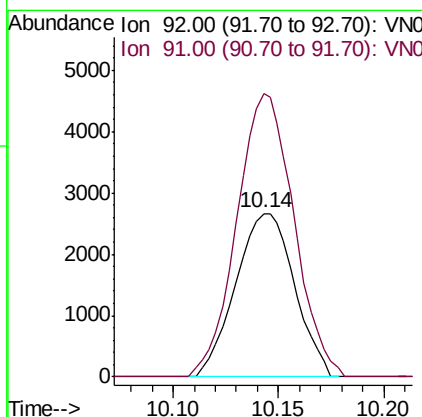
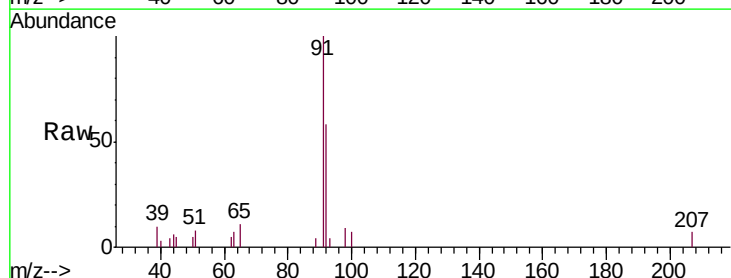
Instrument :
 MSVOA_N
 ClientSampled :
 COMP-5

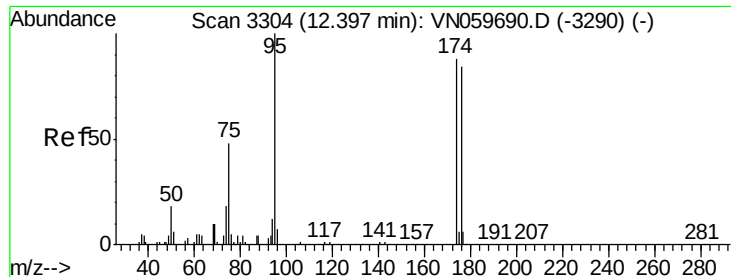
Tgt Ion: 43 Resp: 915
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 44.8#



#52
 Toluene
 Concen: 1.090 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN059960.D
 Acq: 31 Jan 2020 19:52

Tgt Ion: 92 Resp: 5148
 Ion Ratio Lower Upper
 92 100
 91 168.3 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 49.333 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059960.D

Acq: 31 Jan 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

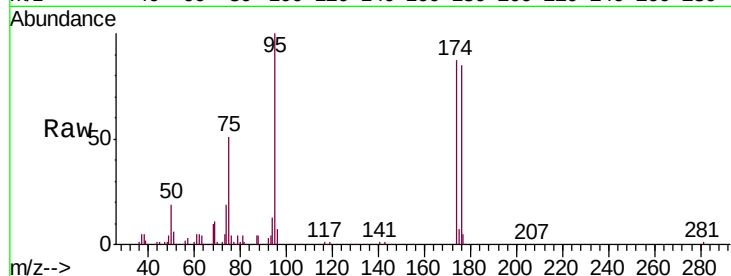
Tgt Ion: 95 Resp: 118306

Ion Ratio Lower Upper

95 100

174 87.4 0.0 151.4

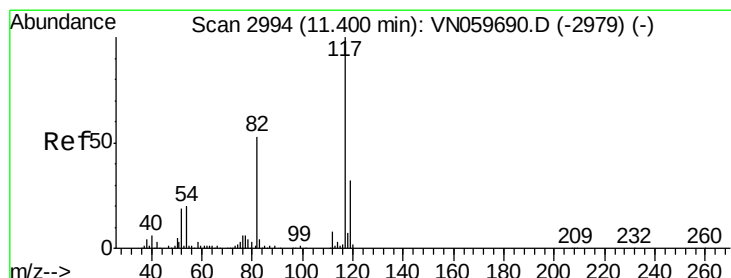
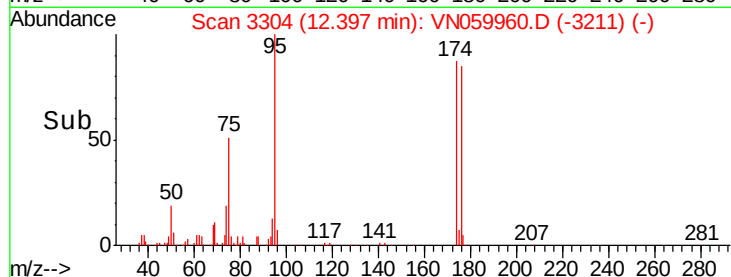
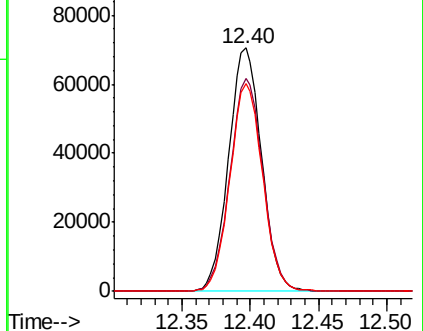
176 84.9 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059960.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059960.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059960.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059960.D

Acq: 31 Jan 2020 19:52

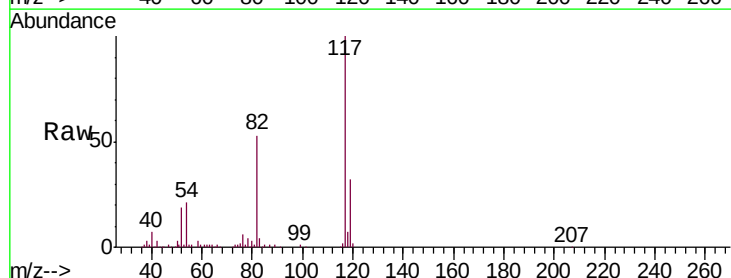
Tgt Ion: 117 Resp: 258807

Ion Ratio Lower Upper

117 100

82 52.7 45.9 68.9

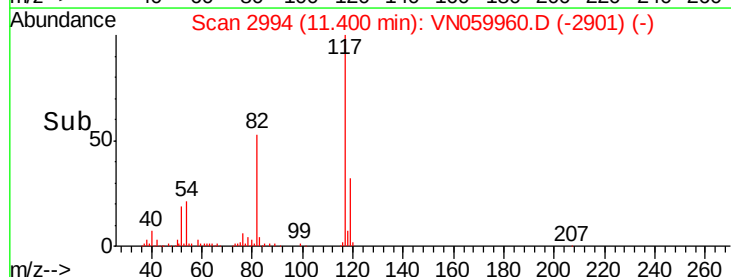
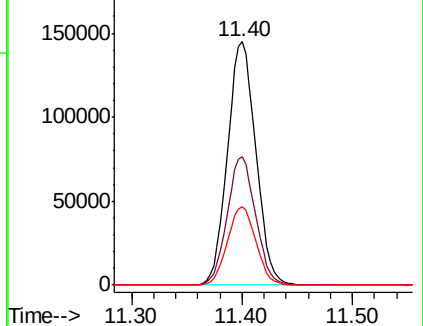
119 32.1 25.5 38.3

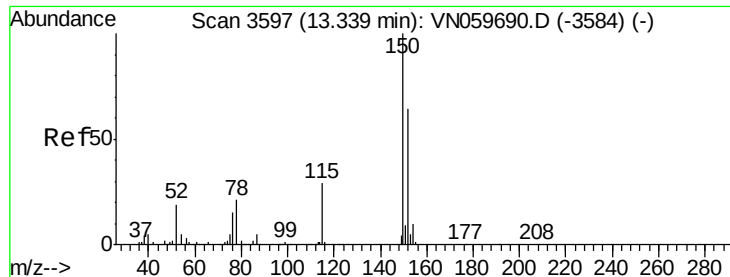


Abundance Ion 116.90 (116.60 to 117.60): VN059960.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059960.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059960.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059960.D

Acq: 31 Jan 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

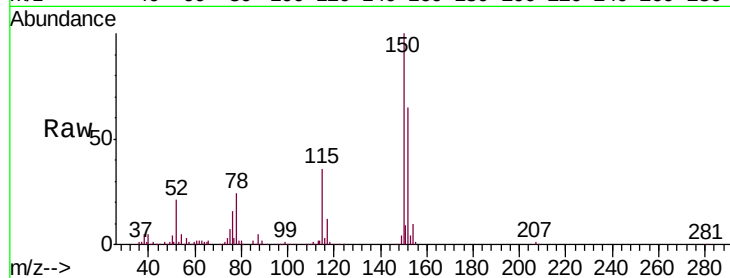
Tgt Ion:152 Resp: 117268

Ion Ratio Lower Upper

152 100

115 56.6 30.3 90.9

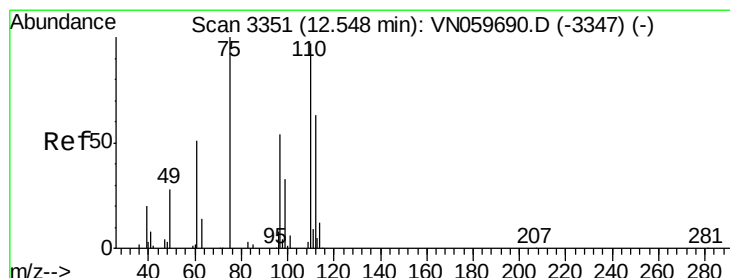
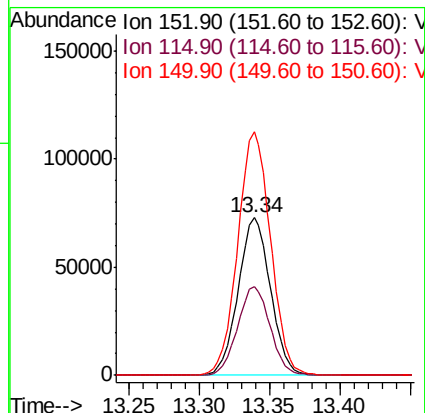
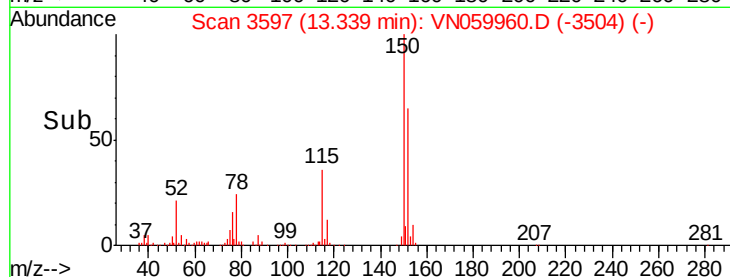
150 157.5 0.0 345.2



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: 30.549 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059960.D

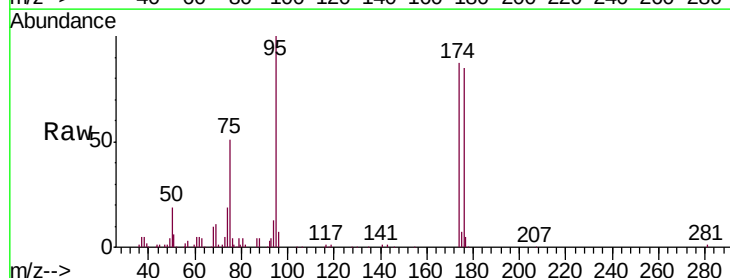
Acq: 31 Jan 2020 19:52

Tgt Ion: 75 Resp: 60288

Ion Ratio Lower Upper

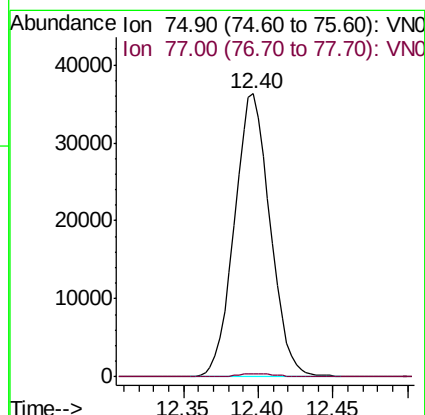
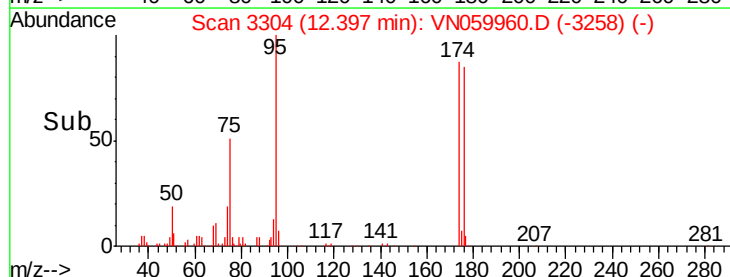
75 100

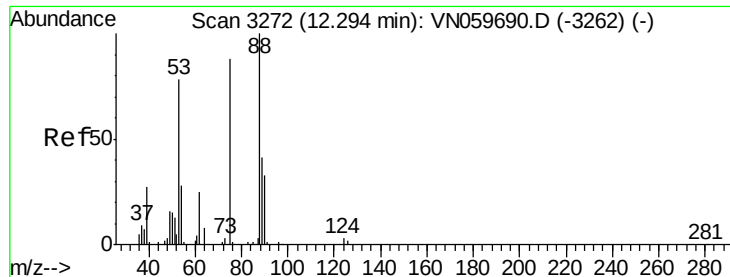
77 1.2 0.0 0.0#



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: 65.604 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059960.D

Acq: 31 Jan 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

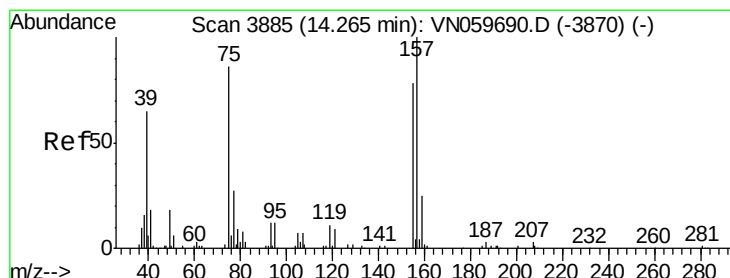
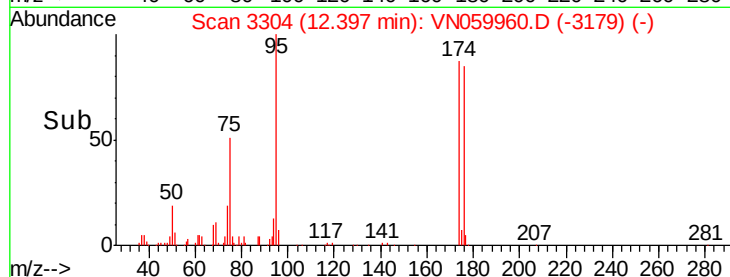
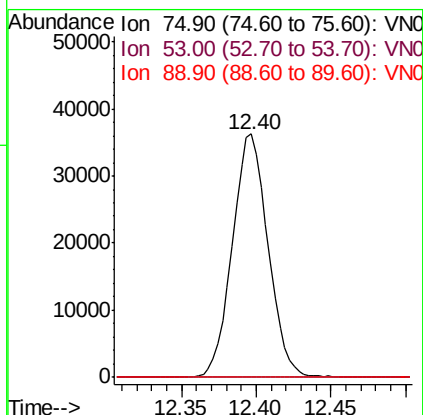
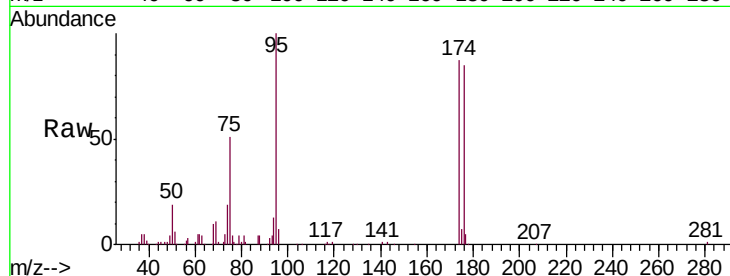
Tgt Ion: 75 Resp: 60288

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3884

Delta R.T. -0.00 min

Lab File: VN059960.D

Acq: 31 Jan 2020 19:52

Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

