

Data File : VN059959.D
Acq On : 31 Jan 2020 19:29
Operator : JC/MD
Sample : L1329-18 50X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
COMP-11

Quant Time: Feb 03 01:23:51 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	192262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	292554	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	107362	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	7.57	113	88762	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.08	98	352002	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.40	95	124721	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

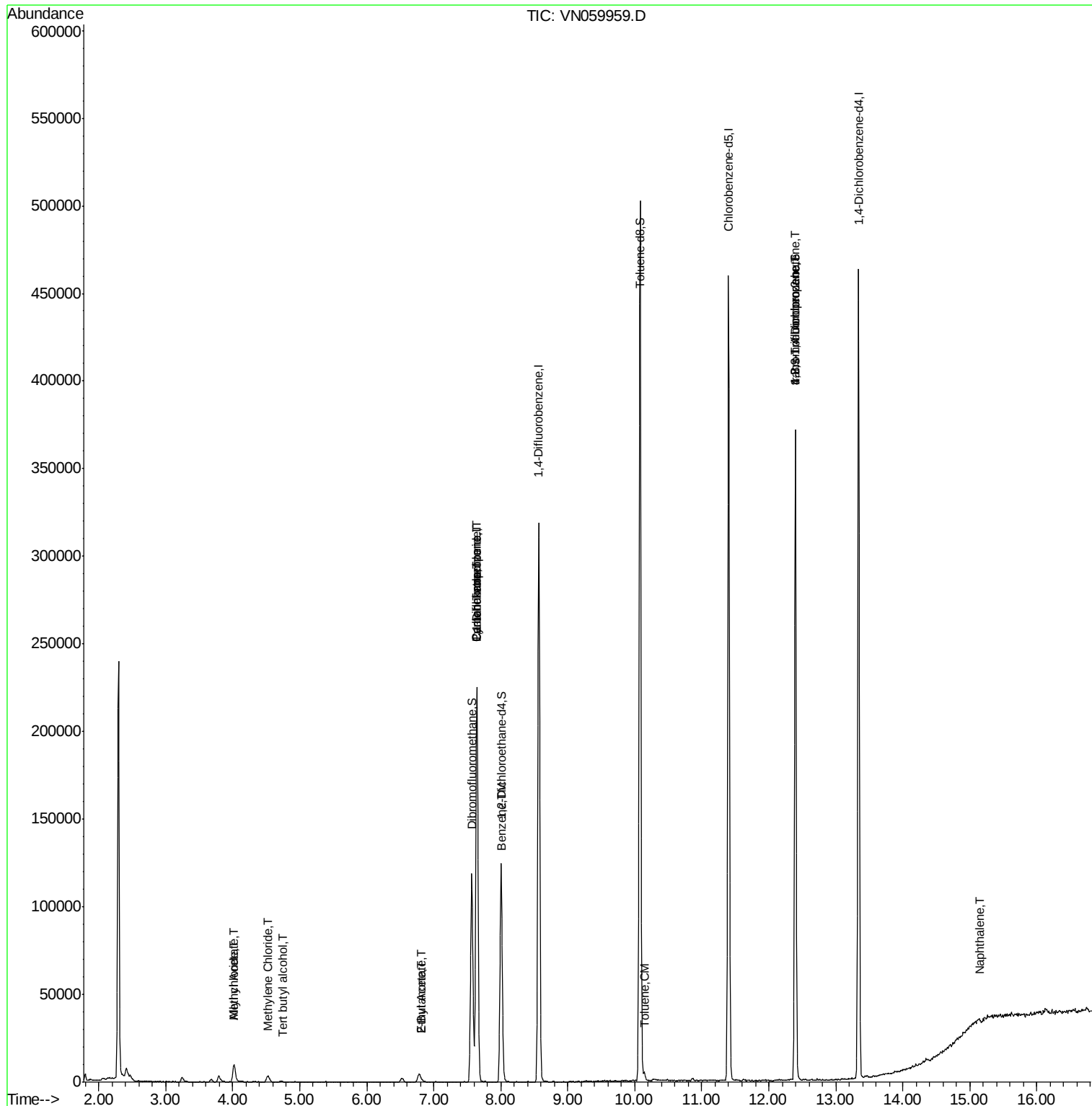
						Qvalue
11) Tert butyl alcohol	4.74	59	266	0.740	ug/l #	72
14) Allyl chloride	4.01	41	1354	0.571	ug/l #	22
16) Acetone	3.79	43	6009	Below Cal		96
18) Methyl Acetate	4.02	43	3685	1.478	ug/l #	54
20) Methylene Chloride	4.53	84	3106	0.322	ug/l	93
25) 2-Butanone	6.82	43	2410	1.993	ug/l	94
31) Cyclohexane	7.64	56	3711	1.175	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13504	5.301	ug/l #	51
37) Ethyl Acetate	6.82	43	2410	1.009	ug/l #	69
38) Carbon Tetrachloride	7.64	117	17664	6.374	ug/l #	16
40) Benzene	8.02	78	2611	0.344	ug/l	97
52) Toluene	10.14	92	2238	0.466	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	63228	30.099	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	63228	64.638	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	126	Below Cal	#	6
95) Naphthalene	15.13	128	1572	0.231	ug/l #	69

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

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QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

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Acq: 31 Jan 2020 19:29

Instrument :

MSVOA_N

ClientSampled :

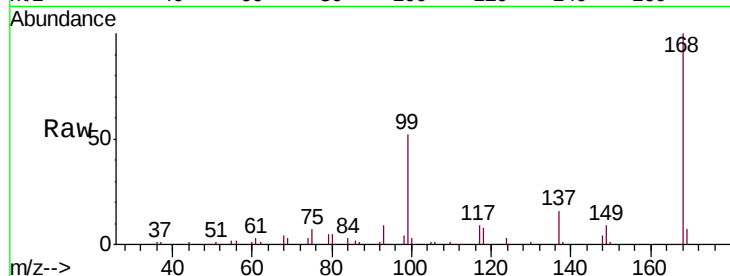
COMP-11

Tgt Ion:168 Resp: 192262

Ion Ratio Lower Upper

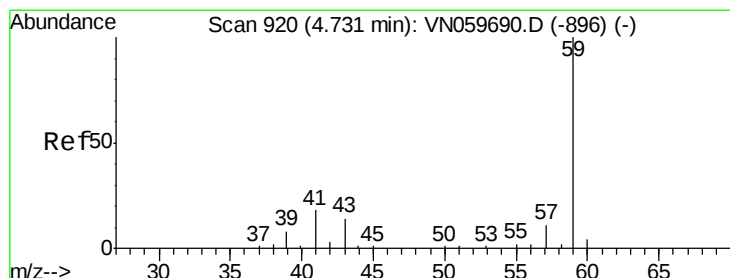
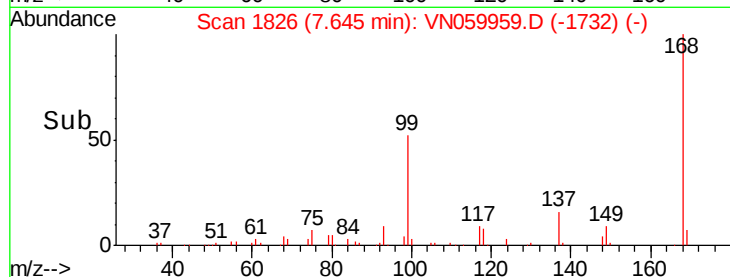
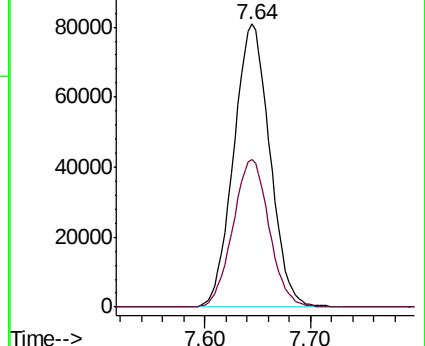
168 100

99 52.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 0.740 ug/l

RT: 4.74 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN059959.D

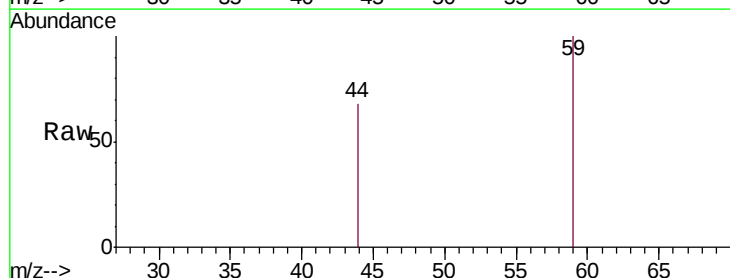
Acq: 31 Jan 2020 19:29

Tgt Ion: 59 Resp: 266

Ion Ratio Lower Upper

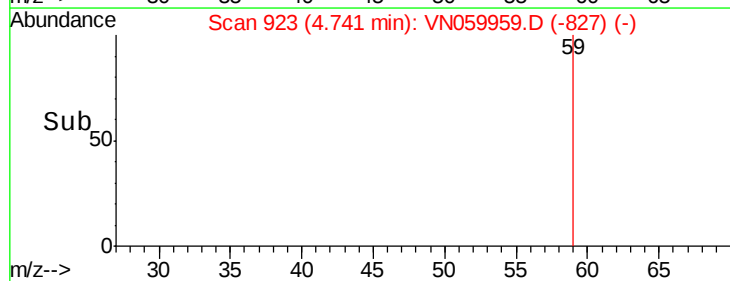
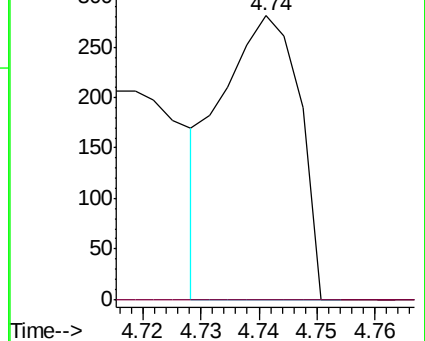
59 100

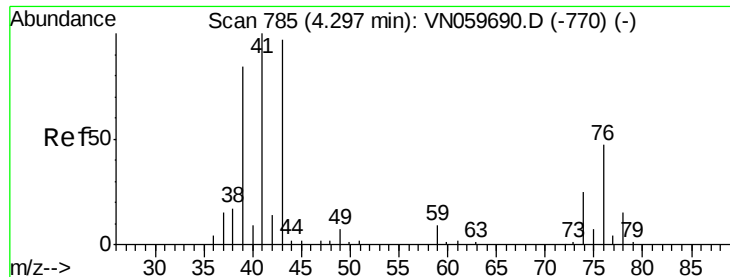
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#14

Allyl chloride

Concen: 0.571 ug/l

RT: 4.01 min Scan# 697

Delta R.T. -0.28 min

Lab File: VN059959.D

Acq: 31 Jan 2020 19:29

Instrument :

MSVOA_N

ClientSampled :

COMP-11

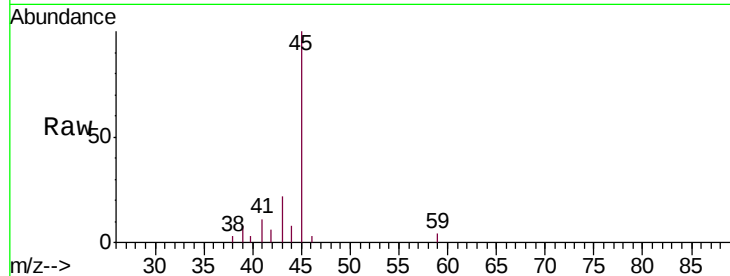
Tgt Ion: 41 Resp: 1354

Ion Ratio Lower Upper

41 100

39 0.0 57.8 86.8#

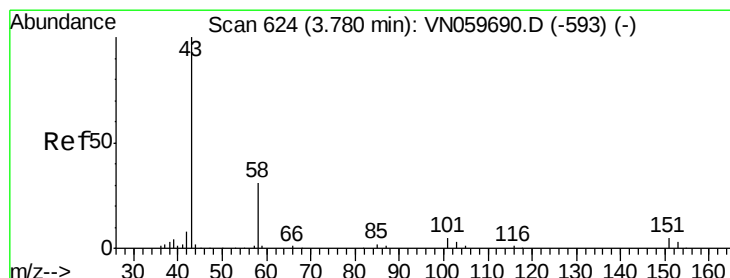
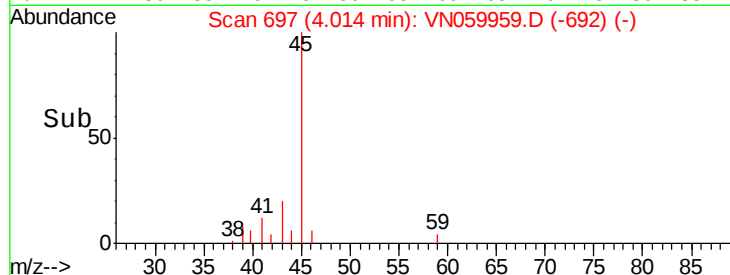
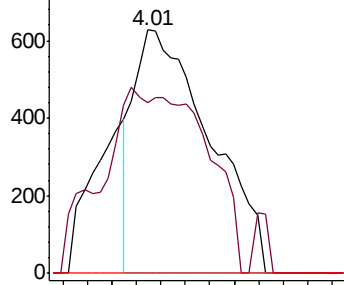
76 0.0 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059959.D

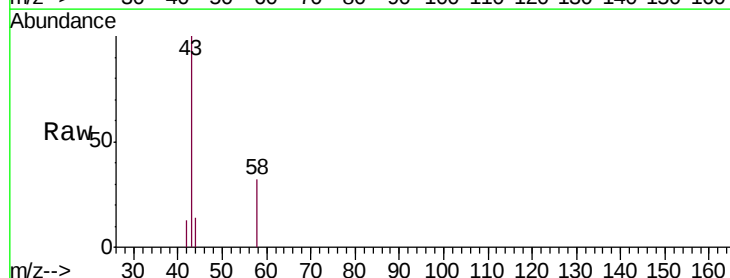
Acq: 31 Jan 2020 19:29

Tgt Ion: 43 Resp: 6009

Ion Ratio Lower Upper

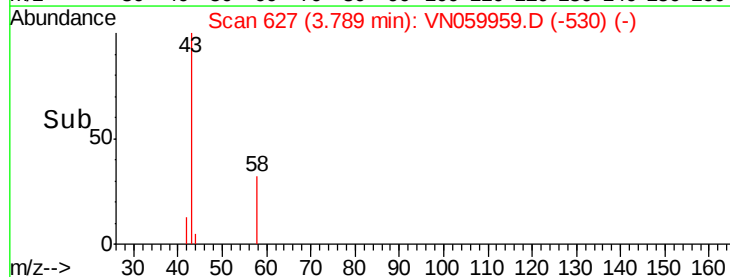
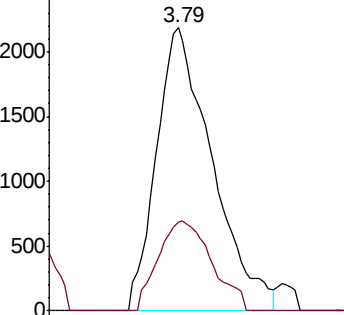
43 100

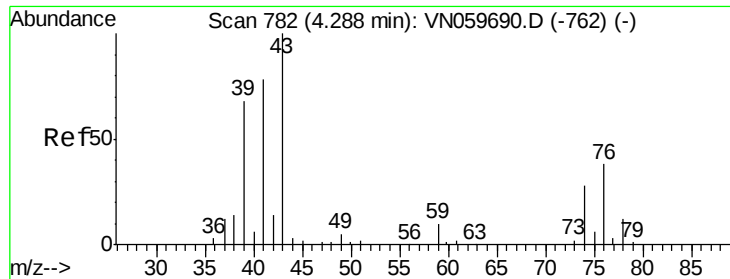
58 31.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

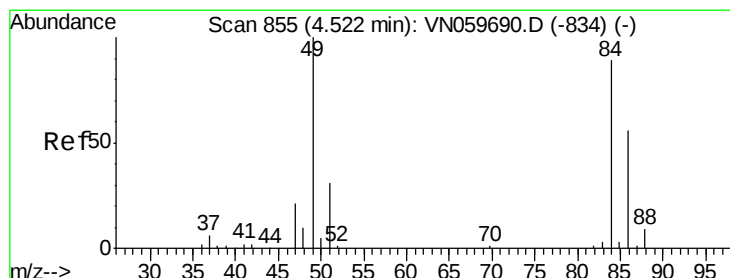
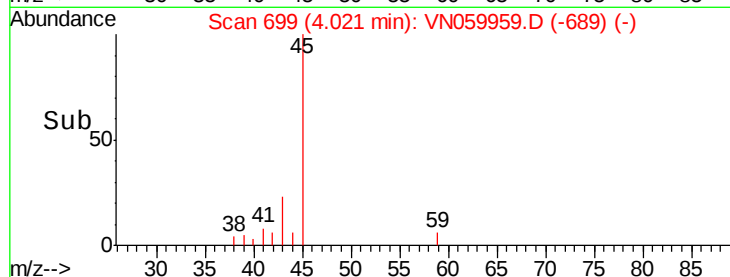
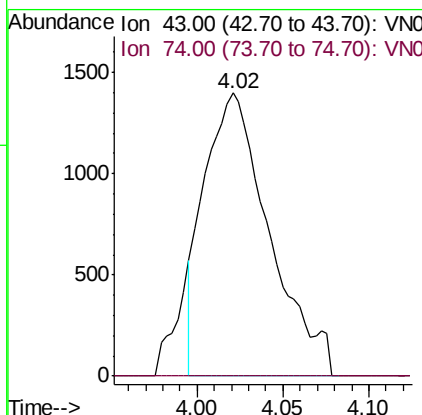
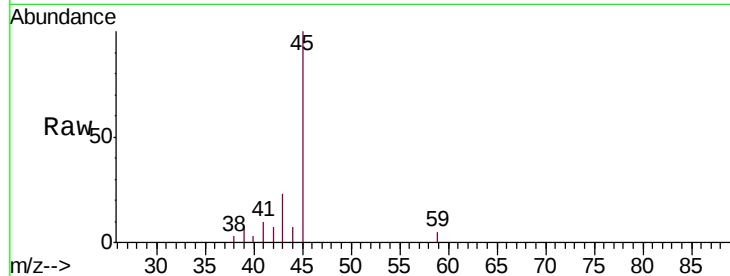




#18
Methyl Acetate
Concen: 1.478 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.27 min
Lab File: VN059959.D
Acq: 31 Jan 2020 19:29

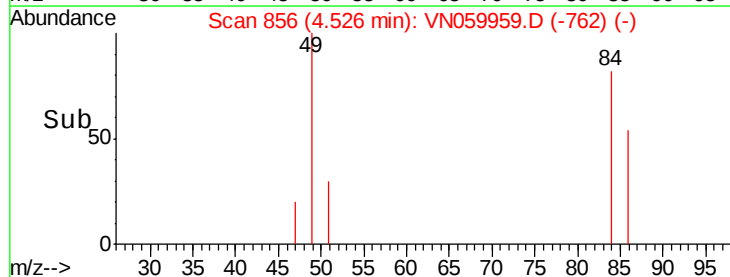
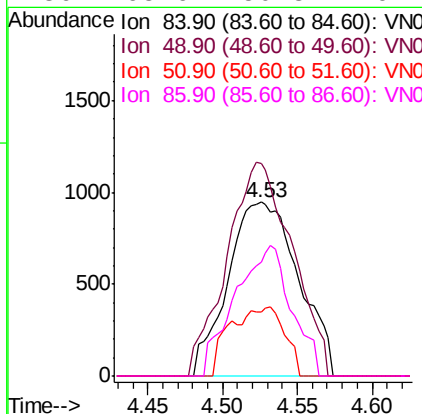
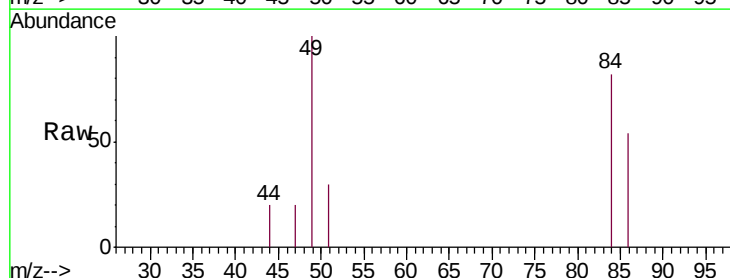
Instrument :
MSVOA_N
ClientSampleId :
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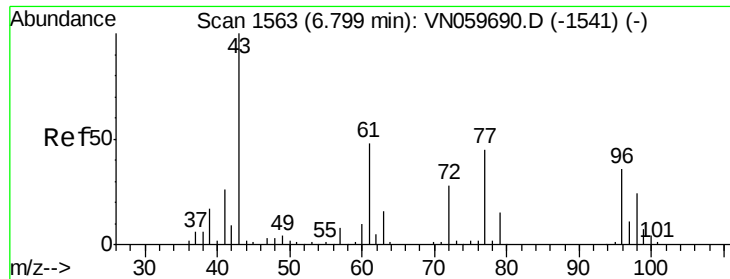
Tgt Ion: 43 Resp: 3685
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.322 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059959.D
Acq: 31 Jan 2020 19:29

Tgt Ion: 84 Resp: 3106
Ion Ratio Lower Upper
84 100
49 122.2 106.6 160.0
51 36.8 31.9 47.9
86 65.6 50.8 76.2

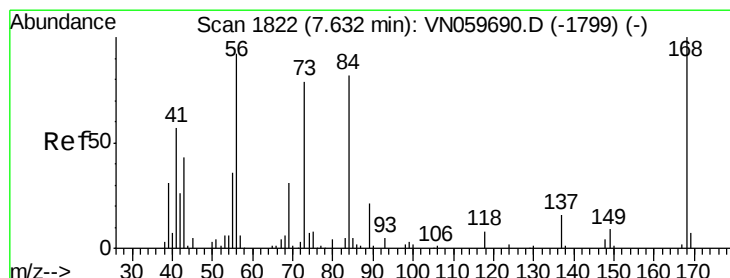
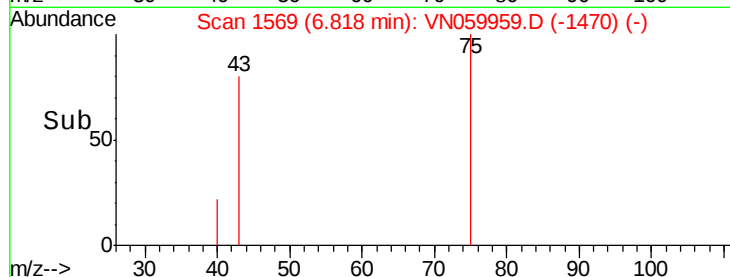
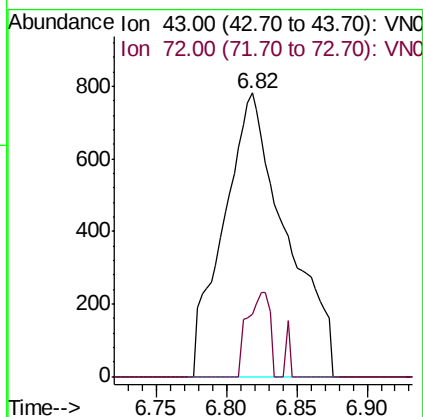
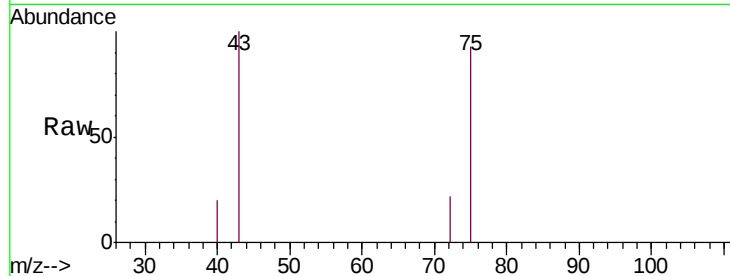




#25
2-Butanone
Concen: 1.993 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN059959.D
Acq: 31 Jan 2020 19:29

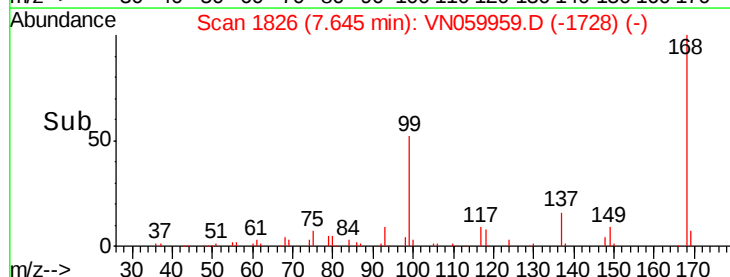
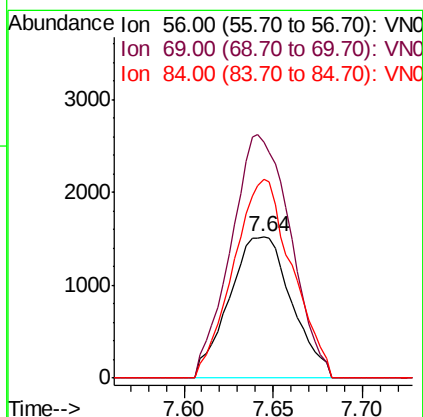
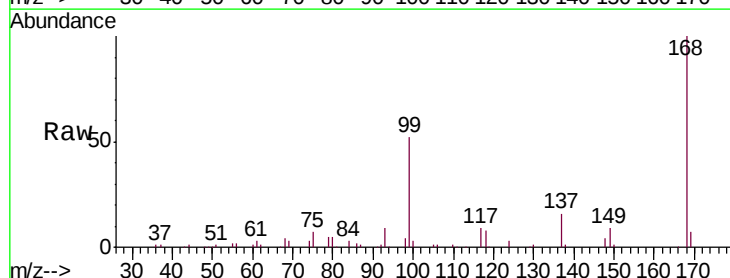
Instrument :
MSVOA_N
ClientSampleId :
COMP-11

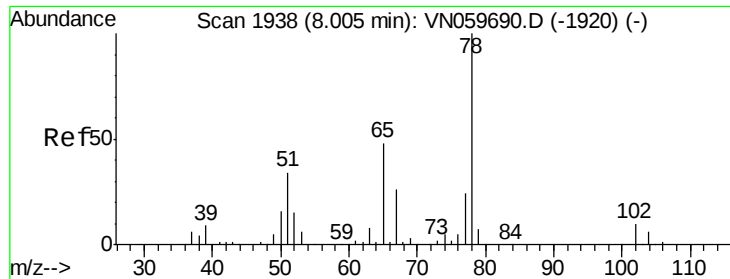
Tgt Ion: 43 Resp: 2410
Ion Ratio Lower Upper
43 100
72 21.9 19.9 29.9



#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059959.D
Acq: 31 Jan 2020 19:29

Tgt Ion: 56 Resp: 3711
Ion Ratio Lower Upper
56 100
69 166.6 26.5 39.7#
84 141.1 65.3 97.9#

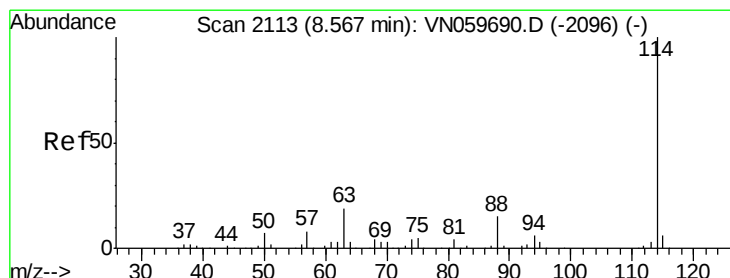
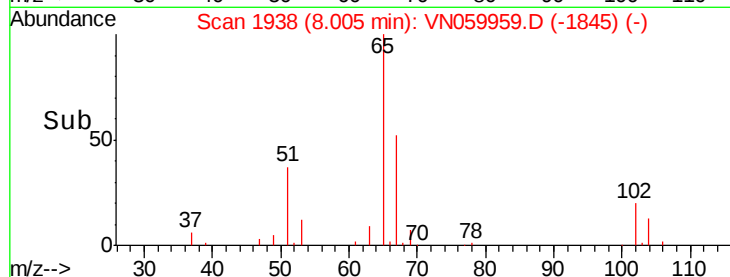
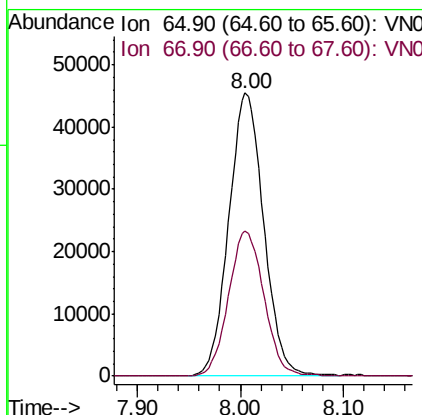
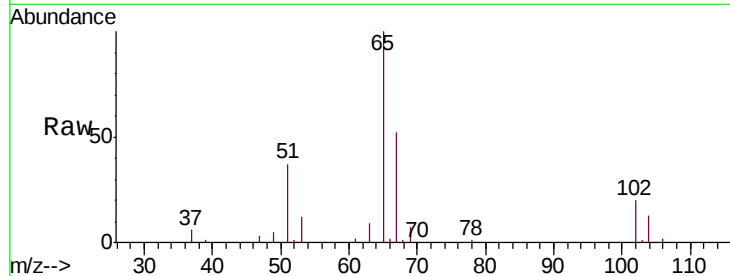




#33
 1,2-Dichloroethane-d4
 Concen: 50.284 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059959.D
 Acq: 31 Jan 2020 19:29

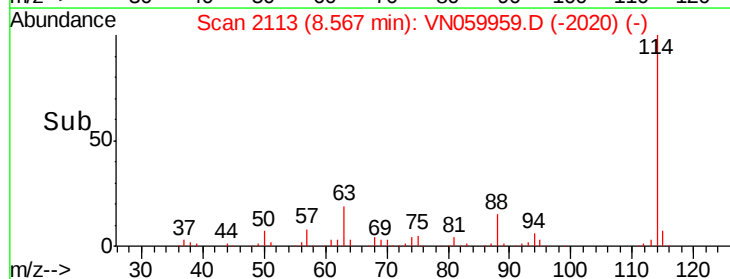
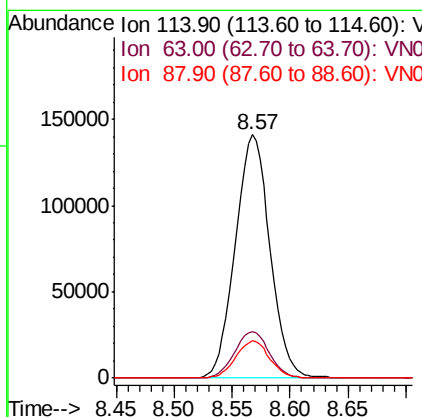
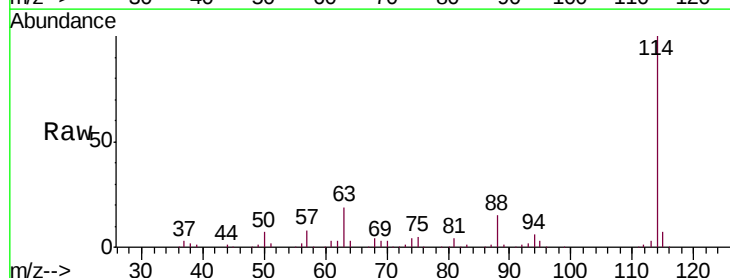
Instrument :
 MSVOA_N
 ClientSampled :
 COMP-11

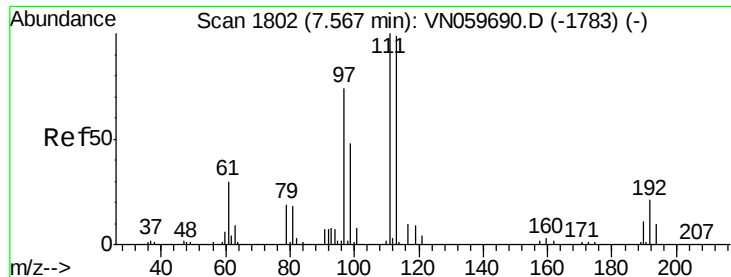
Tgt Ion: 65 Resp: 107362
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059959.D
 Acq: 31 Jan 2020 19:29

Tgt Ion: 114 Resp: 292554
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 43.6
 88 15.3 0.0 31.4

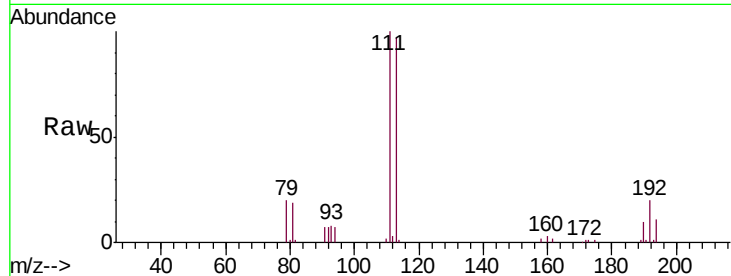




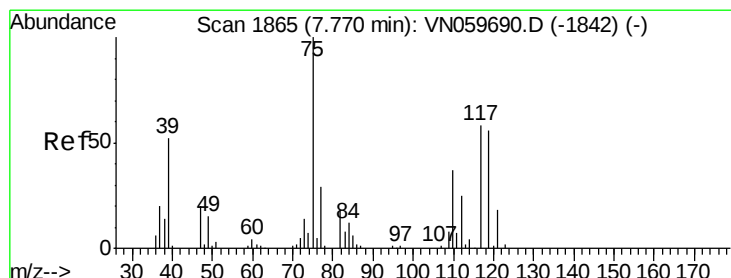
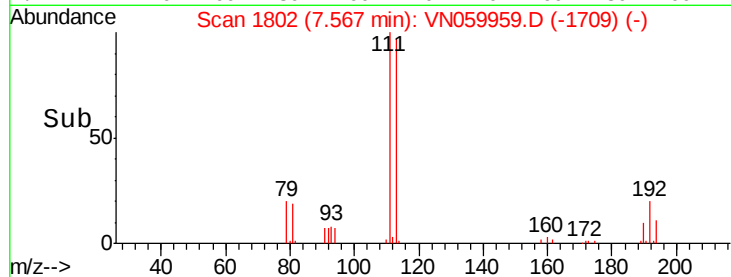
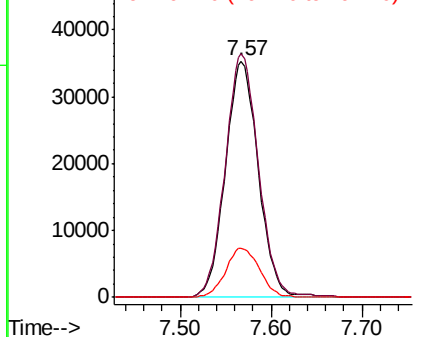
#35
 Dibromofluoromethane
 Concen: 50.877 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059959.D
 Acq: 31 Jan 2020 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:113 Resp: 88762
 Ion Ratio Lower Upper
 113 100
 111 104.7 83.5 125.3
 192 21.5 15.4 23.2

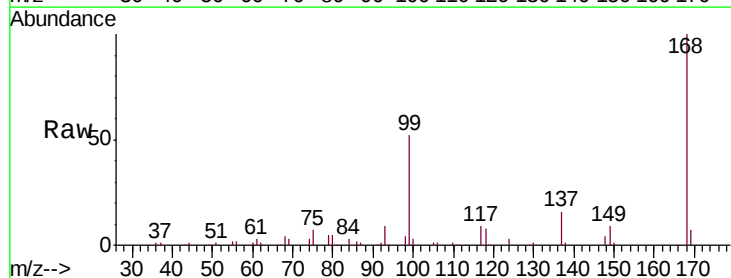


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

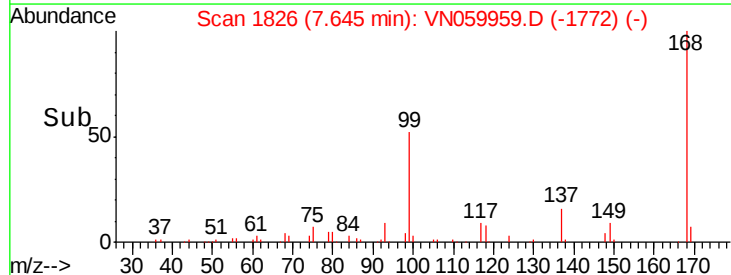
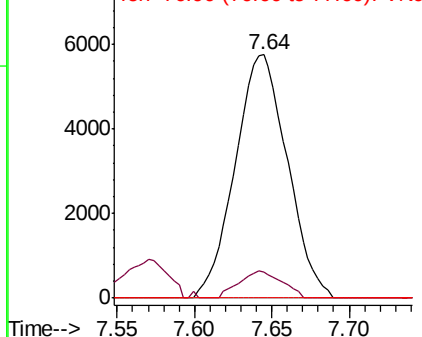


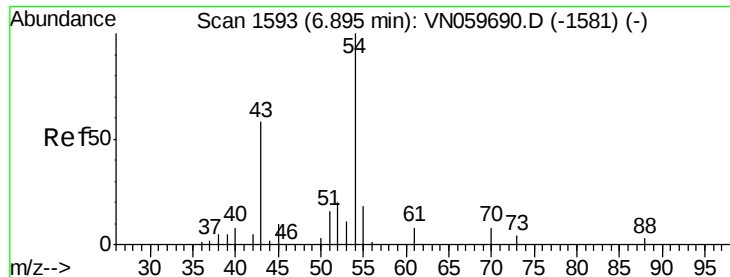
#36
 1,1-Dichloropropene
 Concen: 5.301 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059959.D
 Acq: 31 Jan 2020 19:29

Tgt Ion: 75 Resp: 13504
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.6 49.7#
 77 0.0 25.1 37.7#



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

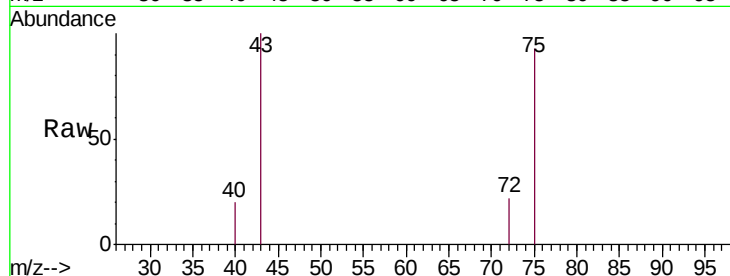




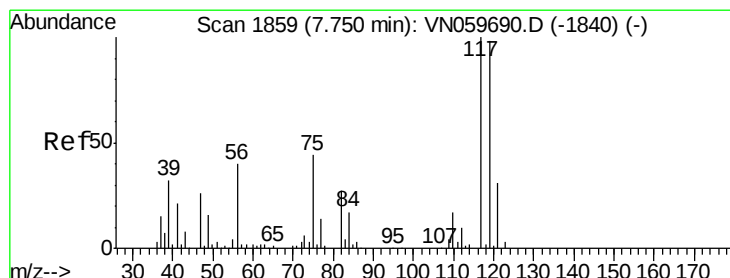
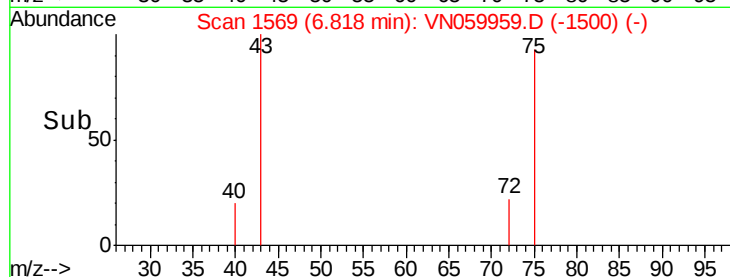
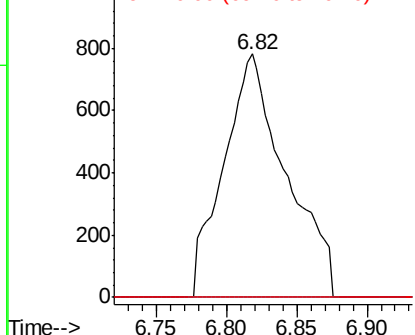
#37
Ethyl Acetate
Concen: 1.009 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.08 min
Lab File: VN059959.D
Acq: 31 Jan 2020 19:29

Instrument :
MSVOA_N
ClientSampled :
COMP-11

Tgt Ion: 43 Resp: 2410
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#

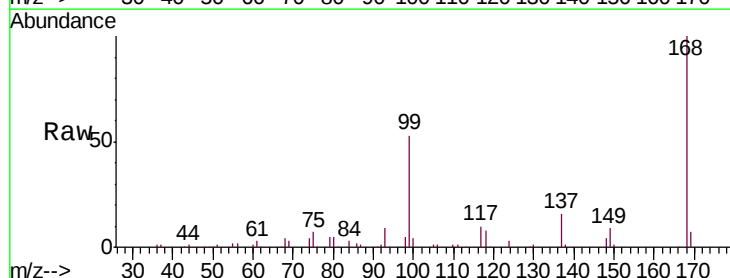


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

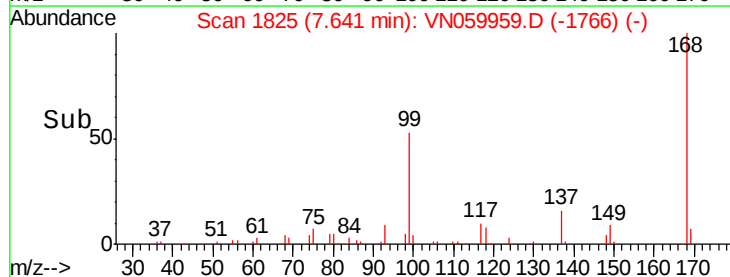
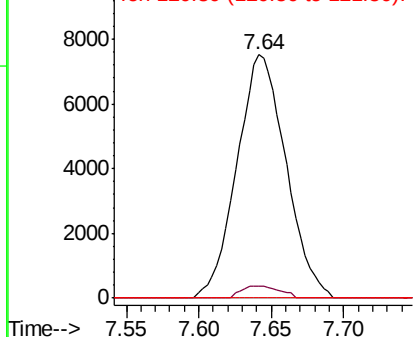


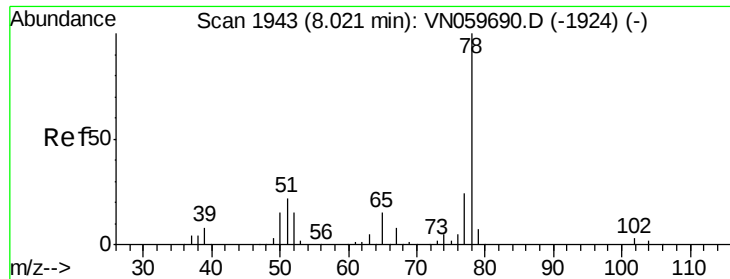
#38
Carbon Tetrachloride
Concen: 6.374 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059959.D
Acq: 31 Jan 2020 19:29

Tgt Ion: 117 Resp: 17664
Ion Ratio Lower Upper
117 100
119 5.1 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





#40

Benzene

Concen: 0.344 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059959.D

Acq: 31 Jan 2020 19:29

Instrument :

MSVOA_N

ClientSampled :

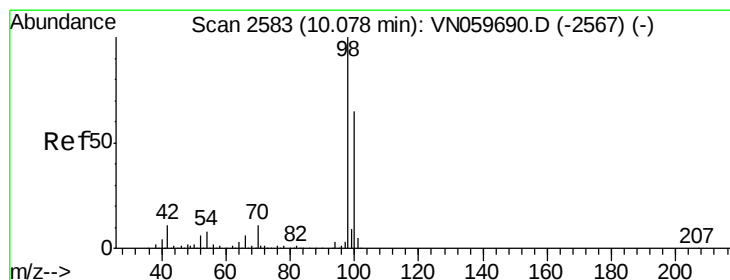
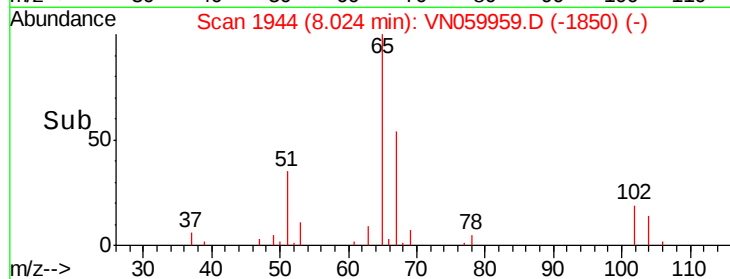
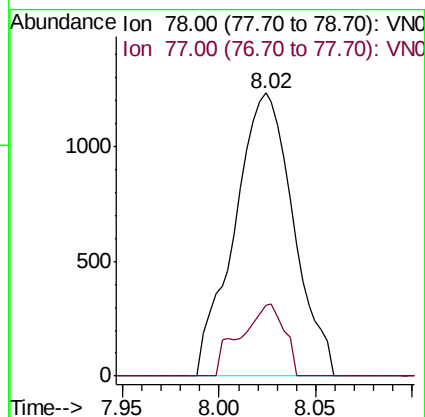
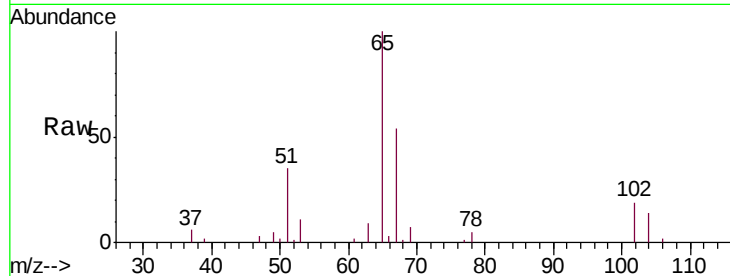
COMP-11

Tgt Ion: 78 Resp: 2611

Ion Ratio Lower Upper

78 100

77 25.1 18.9 28.3



#50

Toluene-d8

Concen: 52.075 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059959.D

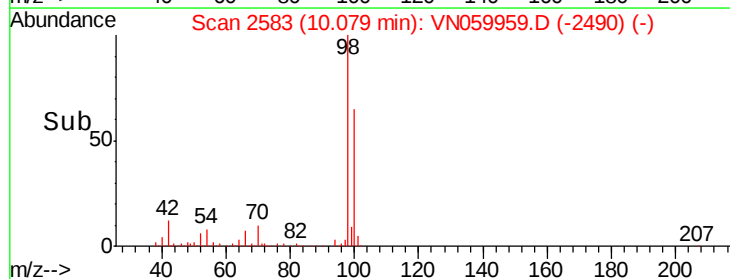
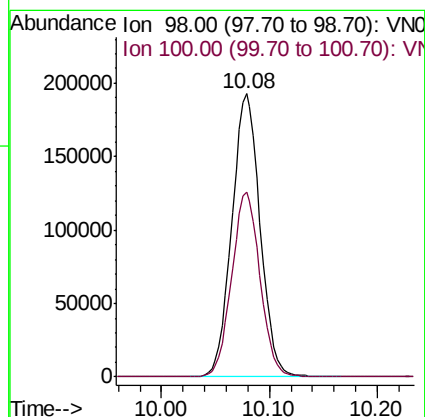
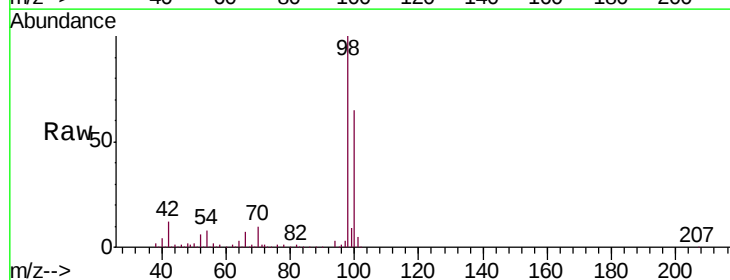
Acq: 31 Jan 2020 19:29

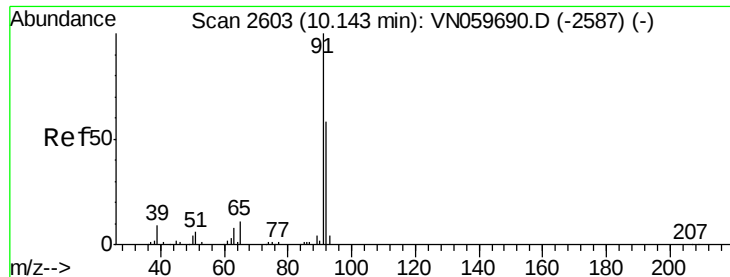
Tgt Ion: 98 Resp: 352002

Ion Ratio Lower Upper

98 100

100 65.5 51.2 76.8





#52

Toluene

Concen: 0.466 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059959.D

Acq: 31 Jan 2020 19:29

Instrument :

MSVOA_N

ClientSampled :

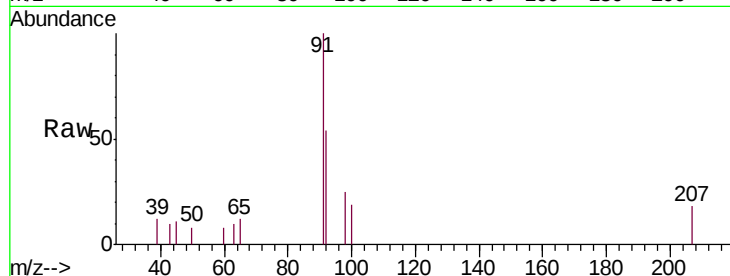
COMP-11

Tgt Ion: 92 Resp: 2238

Ion Ratio Lower Upper

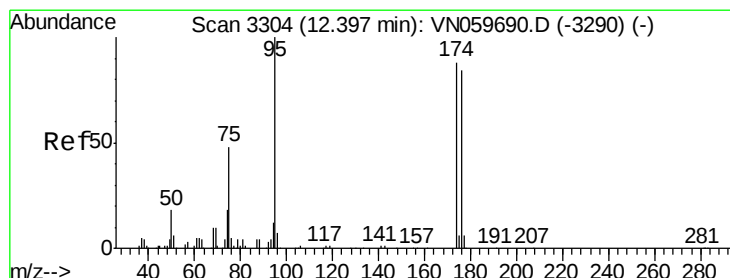
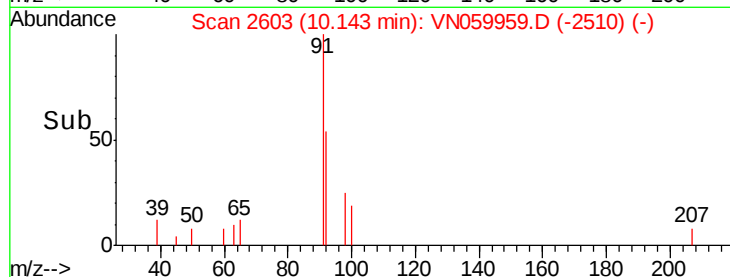
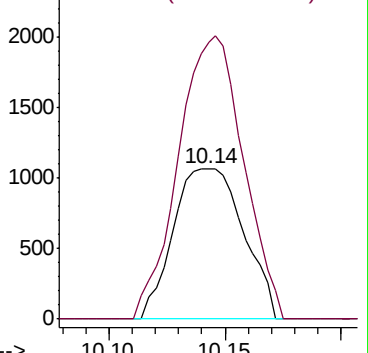
92 100

91 174.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059959.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN059959.D (-2510) (-)



#62

4-Bromofluorobenzene

Concen: 51.182 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059959.D

Acq: 31 Jan 2020 19:29

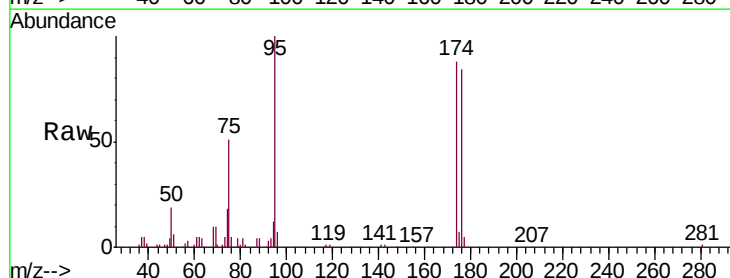
Tgt Ion: 95 Resp: 124721

Ion Ratio Lower Upper

95 100

174 88.4 0.0 151.4

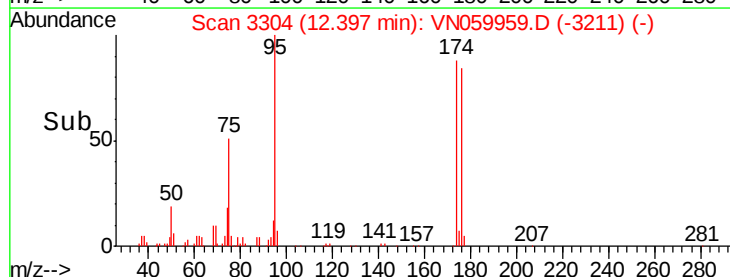
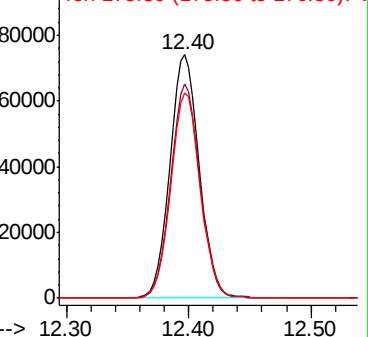
176 84.7 0.0 146.0

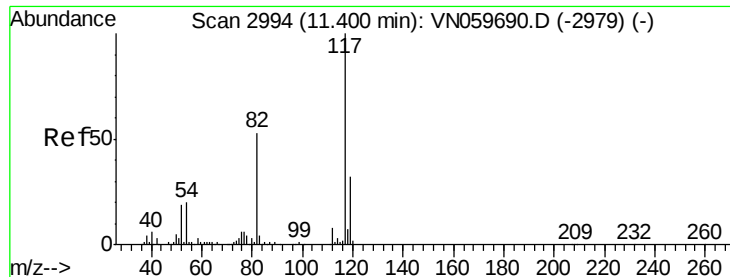


Abundance Ion 94.90 (94.60 to 95.60): VN059959.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059959.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059959.D (-3211) (-)

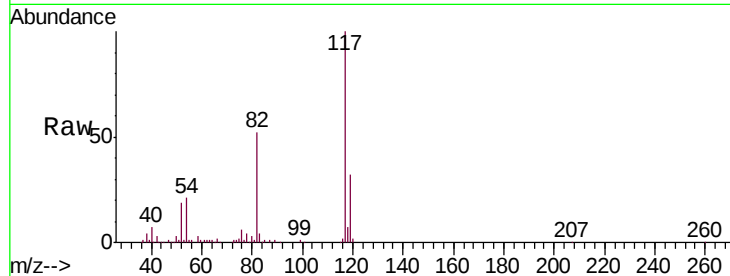




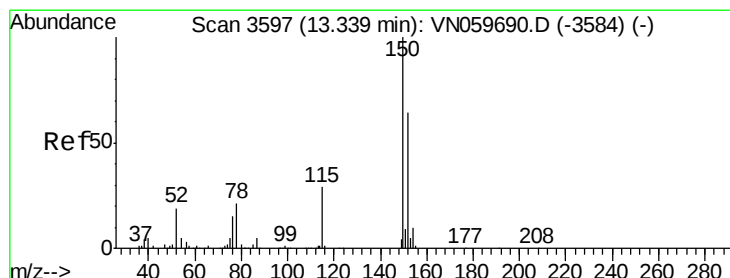
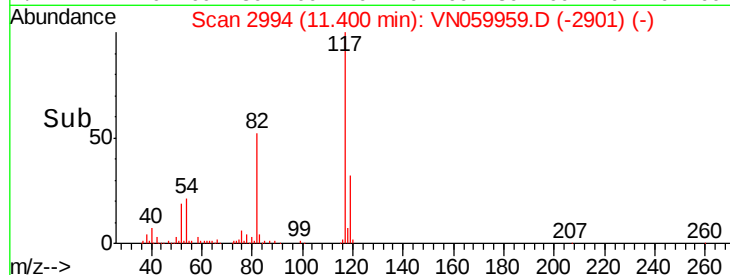
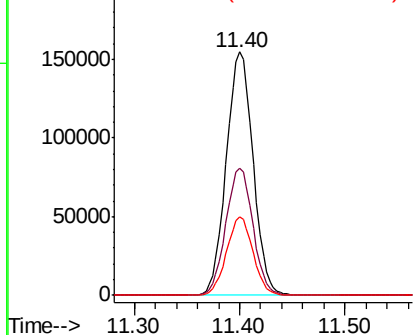
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059959.D
Acq: 31 Jan 2020 19:29

Instrument :
MSVOA_N
ClientSampleId :
COMP-11

Tgt Ion:117 Resp: 272242
Ion Ratio Lower Upper
117 100
82 52.4 45.9 68.9
119 32.2 25.5 38.3

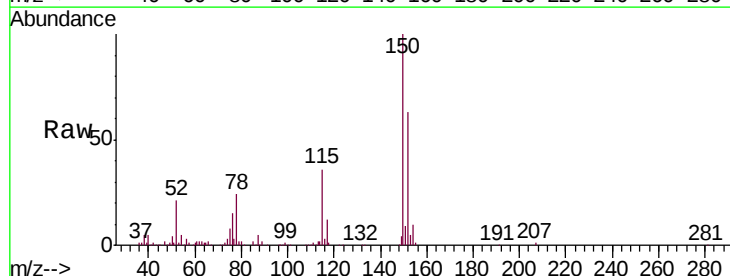


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

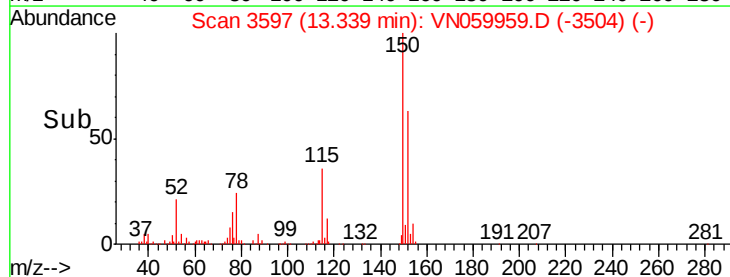
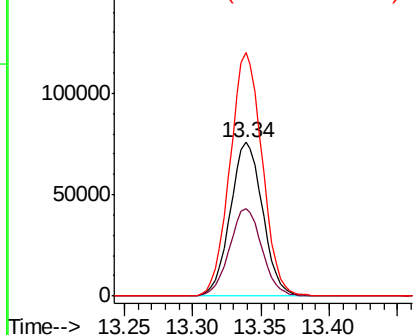


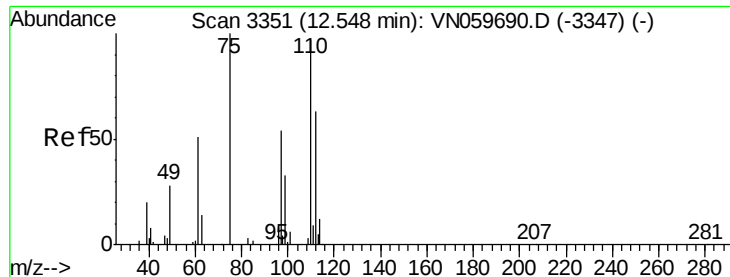
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059959.D
Acq: 31 Jan 2020 19:29

Tgt Ion:152 Resp: 124823
Ion Ratio Lower Upper
152 100
115 57.2 30.3 90.9
150 158.4 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: 30.099 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059959.D

Acq: 31 Jan 2020 19:29

Instrument :

MSVOA_N

ClientSampled :

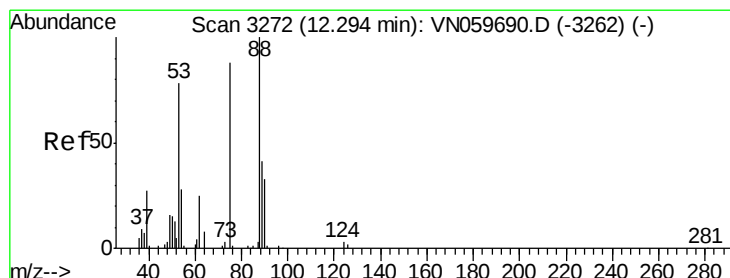
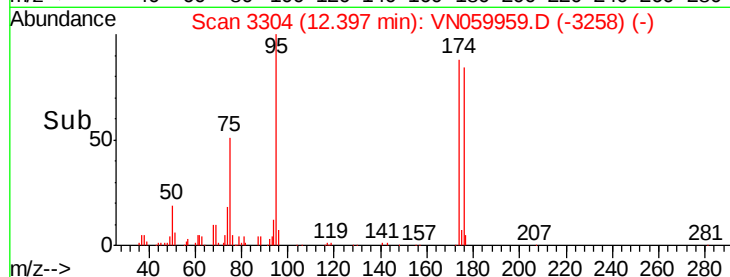
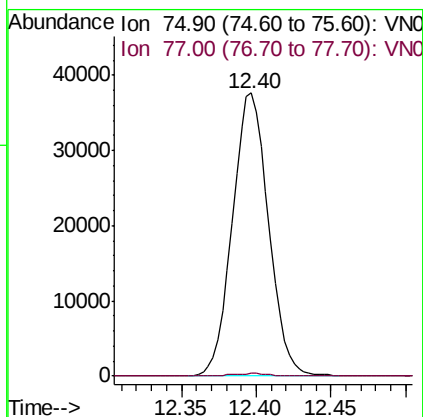
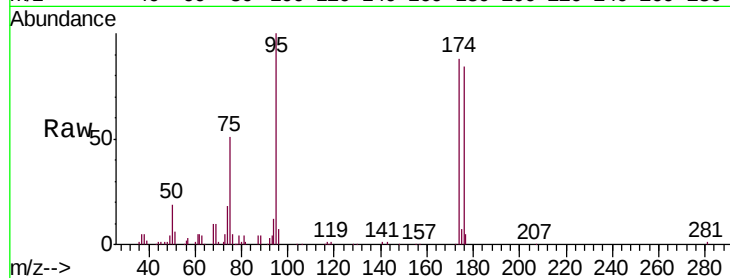
COMP-11

Tgt Ion: 75 Resp: 63228

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.638 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059959.D

Acq: 31 Jan 2020 19:29

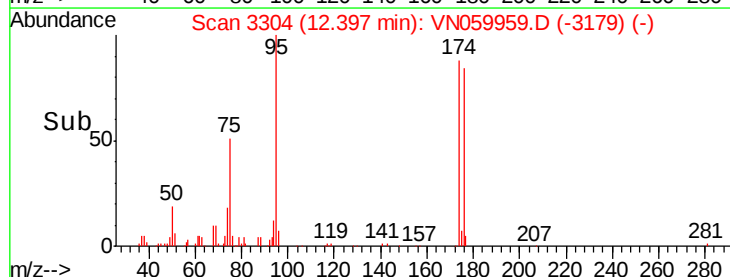
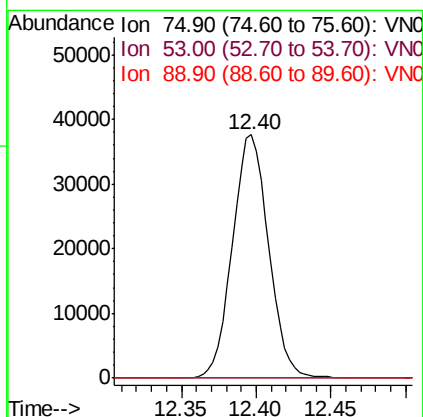
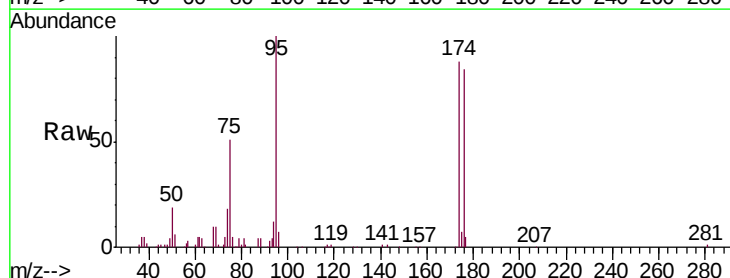
Tgt Ion: 75 Resp: 63228

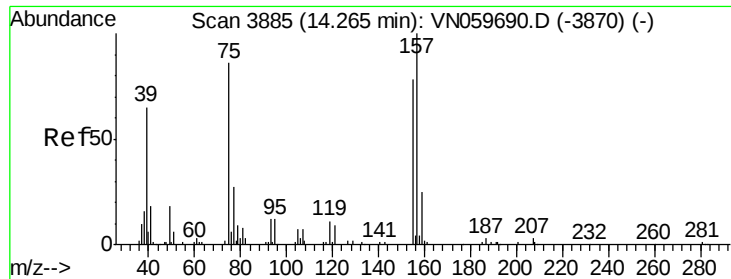
Ion Ratio Lower Upper

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# 3882

Delta R.T. -0.01 min

Lab File: VN059959.D

Acq: 31 Jan 2020 19:29

Instrument :

MSVOA_N

ClientSampled :

COMP-11

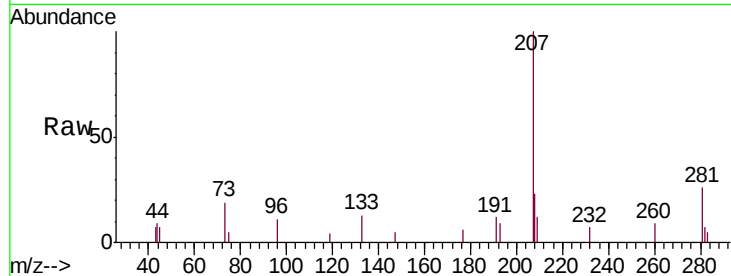
Tgt Ion: 75 Resp: 126

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

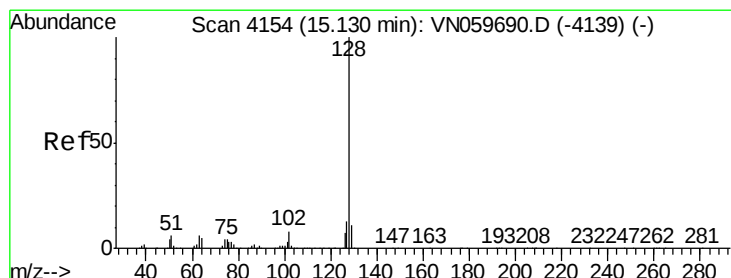
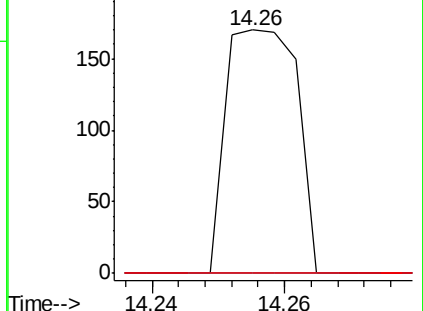
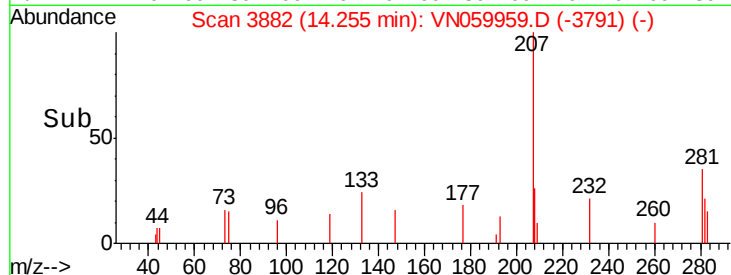
157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059959.D (-3870) (-)

Ion 154.80 (154.50 to 155.50): VN059959.D (-3870) (-)

Ion 156.80 (156.50 to 157.50): VN059959.D (-3870) (-)



#95

Naphthalene

Concen: 0.231 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059959.D

Acq: 31 Jan 2020 19:29

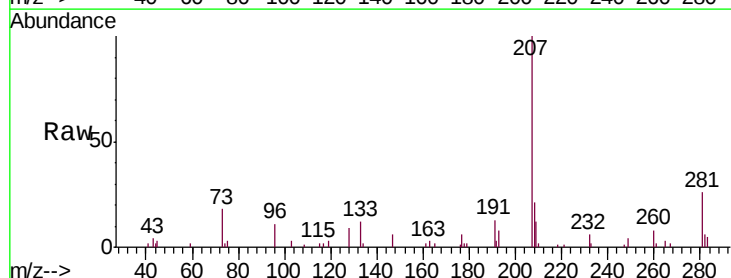
Tgt Ion: 128 Resp: 1572

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059959.D (-4061) (-)

Ion 127.00 (126.70 to 127.70): VN059959.D (-4061) (-)

Ion 129.00 (128.70 to 129.70): VN059959.D (-4061) (-)

