

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012720\
 Data File : VN059884.D
 Acq On : 27 Jan 2020 19:46
 Operator : JC/MD
 Sample : L1010-10
 Misc : 3.88g/5.00mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 27 23:13:06 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	186255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	280211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	237578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	100611	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	99899	48.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.60%	
35) Dibromofluoromethane	7.56	113	84150	50.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.72%	
50) Toluene-d8	10.08	98	327476	50.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.40	95	105713	45.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.58%	

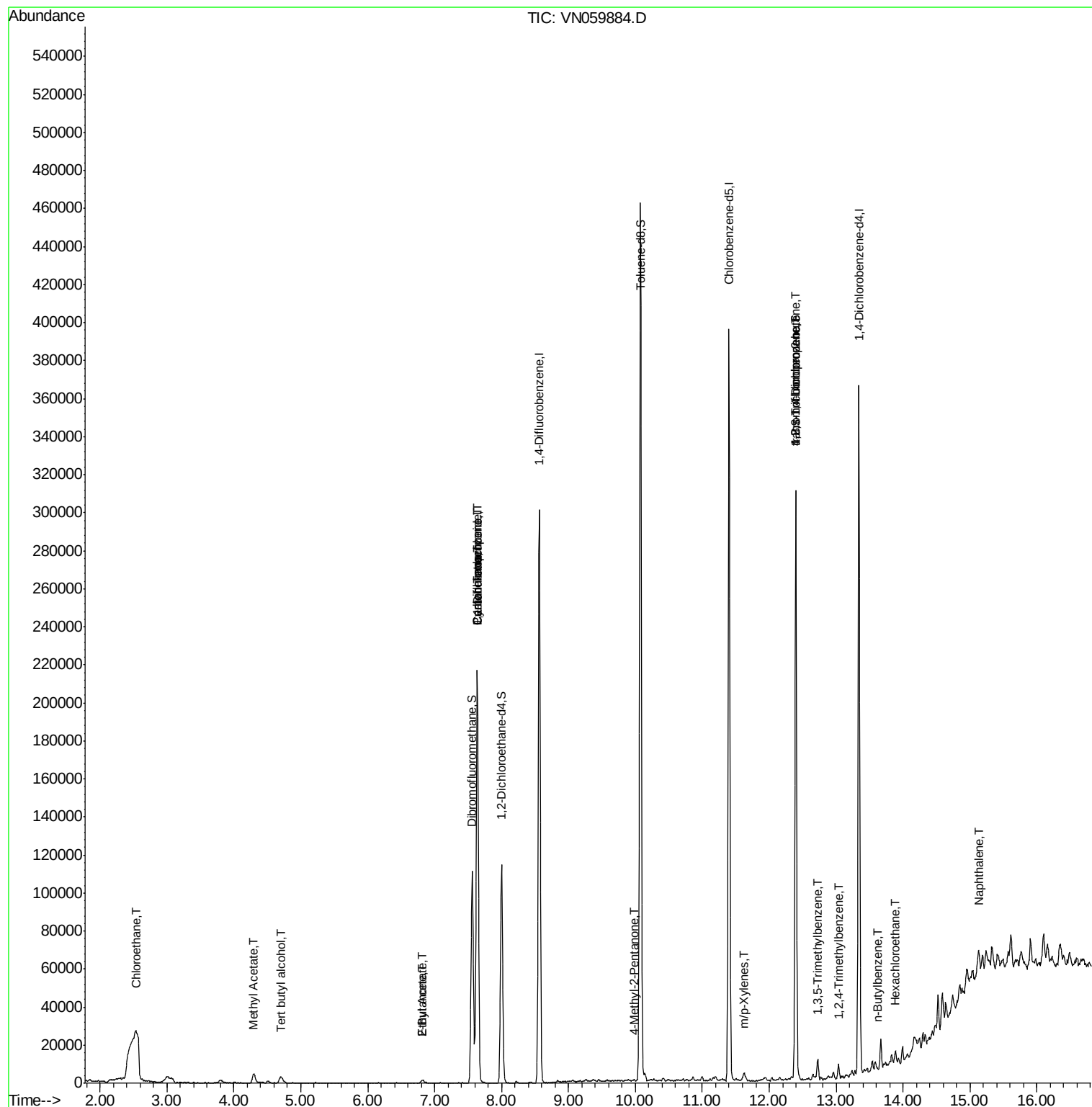
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.55	64	433	0.375	ug/l #	43
11) Tert butyl alcohol	4.71	59	3303	9.486	ug/l #	72
16) Acetone	3.80	43	3359	Below Cal		95
18) Methyl Acetate	4.29	43	10594	4.385	ug/l	99
20) Methylene Chloride	4.51	84	780	Below Cal	#	71
25) 2-Butanone	6.82	43	2434	2.078	ug/l	95
31) Cyclohexane	7.63	56	3565	1.165	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12780	5.237	ug/l #	48
37) Ethyl Acetate	6.82	43	2434	1.063	ug/l #	69
38) Carbon Tetrachloride	7.64	117	16931	6.378	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	660	0.290	ug/l #	38
68) m/p-Xylenes	11.61	106	1078	0.337	ug/l	95
76) 1,2,3-Trichloropropane	12.40	75	52429	30.965	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	1804	0.291	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.40	75	52429	66.497	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	4942	0.805	ug/l	96
89) n-Butylbenzene	13.61	91	1161	0.209	ug/l #	72
90) Hexachloroethane	13.89	117	355	0.291	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.26	75	97	Below Cal	#	6
95) Naphthalene	15.13	128	8699	1.586	ug/l	96

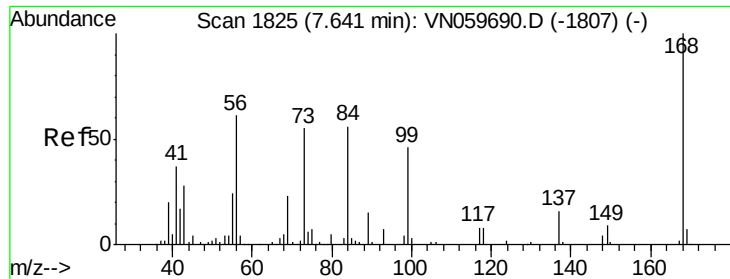
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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# 1824

Delta R.T. -0.00 min

Lab File: VN059884.D

Acq: 27 Jan 2020 19:46

Instrument :

MSVOA_N

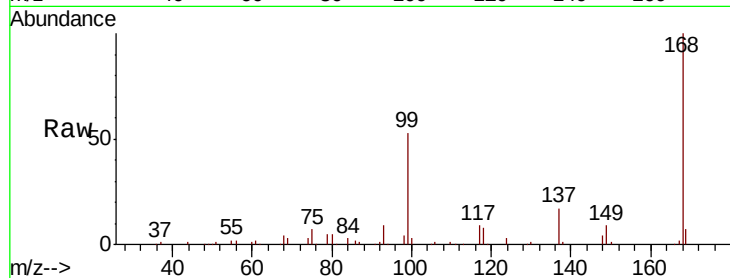
ClientSampleId :

Tot Ion:168 Resp: 186255

Ion Ratio Lower Upper

168 100

99 52.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059690.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059690.D (-1807) (-)

7.64

80000

60000

40000

20000

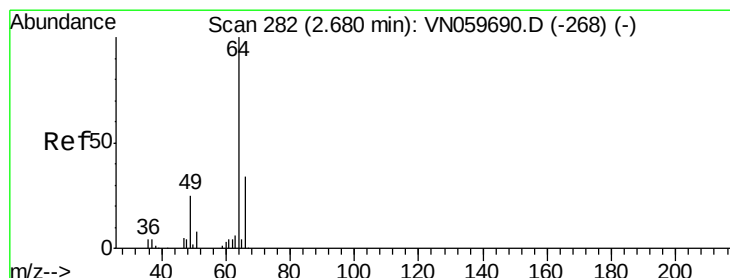
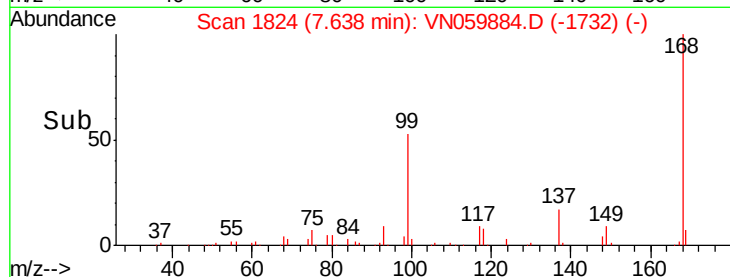
0

Time-->

7.50

7.60

7.70



#6

Chloroethane

Concen: 0.375 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.13 min

Lab File: VN059884.D

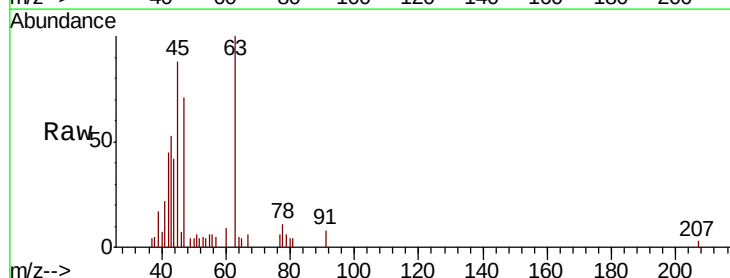
Acq: 27 Jan 2020 19:46

Tgt Ion: 64 Resp: 433

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VN059690.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN059690.D (-268) (-)

2.55

250

200

150

100

50

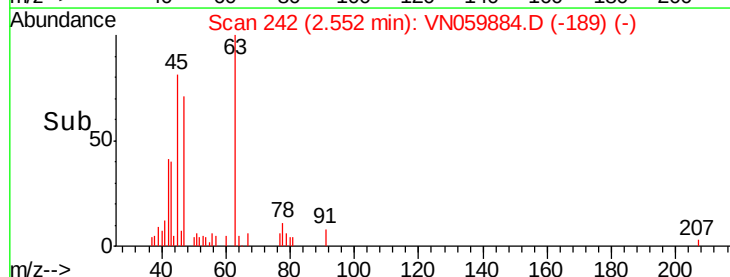
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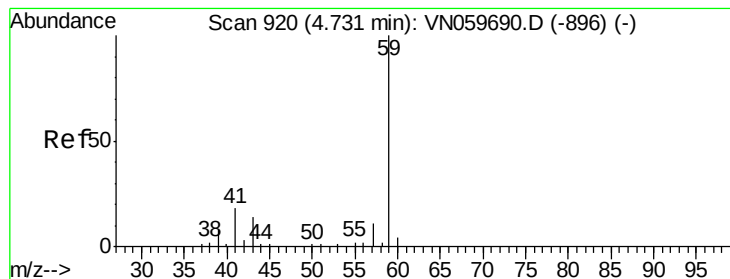
Time-->

2.54

2.56

2.58



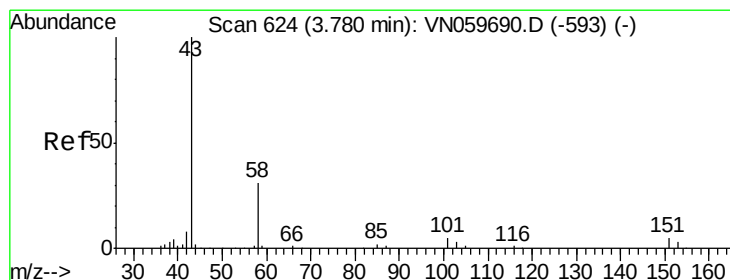
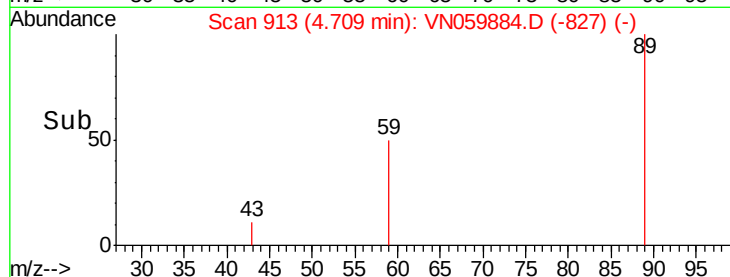
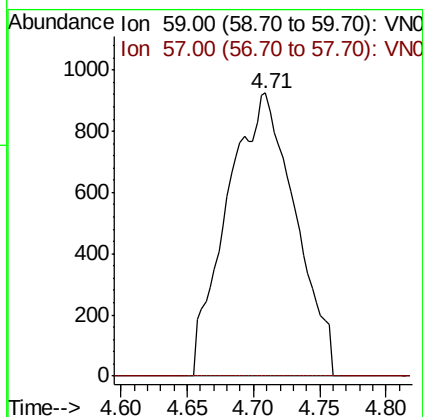
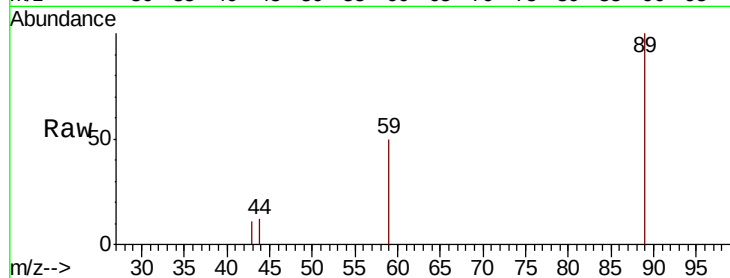


#11

Tert butyl alcohol
 Concen: 9.486 ug/l
 RT: 4.71 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: VN059884.D
 Acq: 27 Jan 2020 19:46

Instrument :
 MSVOA_N
 ClientSampled :

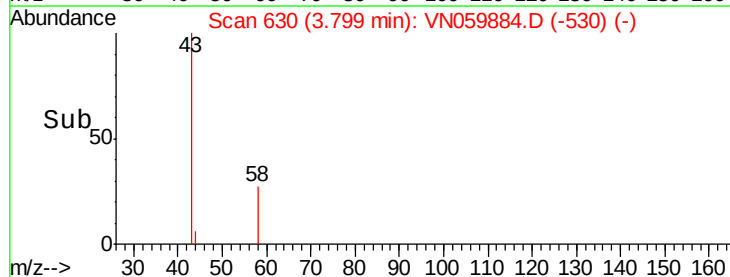
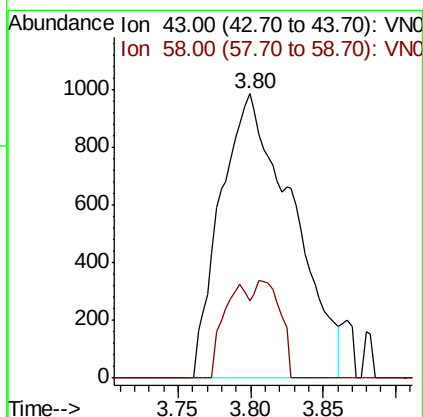
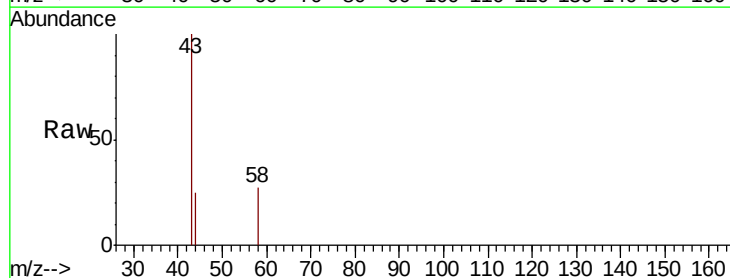
Tot Ion: 59 Resp: 3303
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

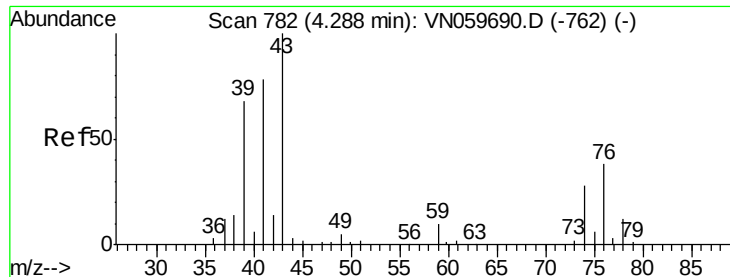


#16

Acetone
 Concen: Below Cal
 RT: 3.80 min Scan# 630
 Delta R.T. 0.02 min
 Lab File: VN059884.D
 Acq: 27 Jan 2020 19:46

Tgt Ion: 43 Resp: 3359
 Ion Ratio Lower Upper
 43 100
 58 26.9 23.6 35.4

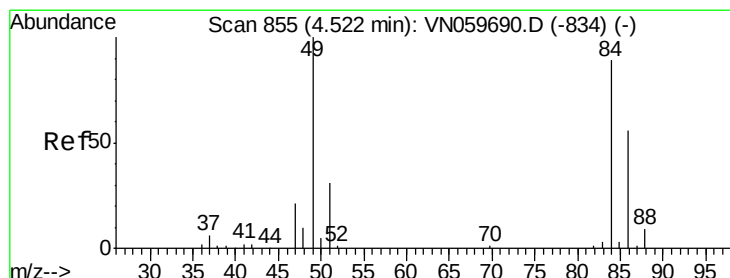
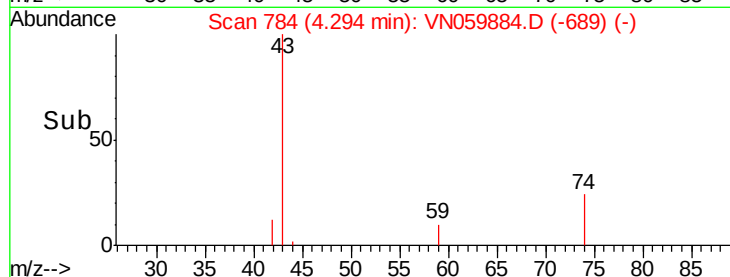
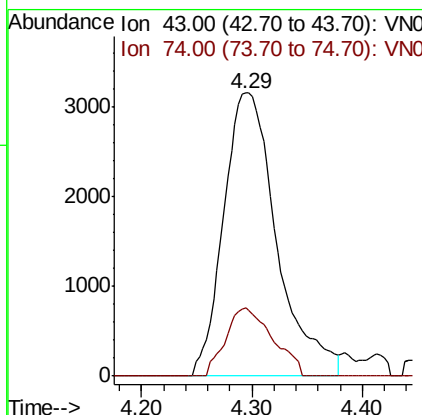
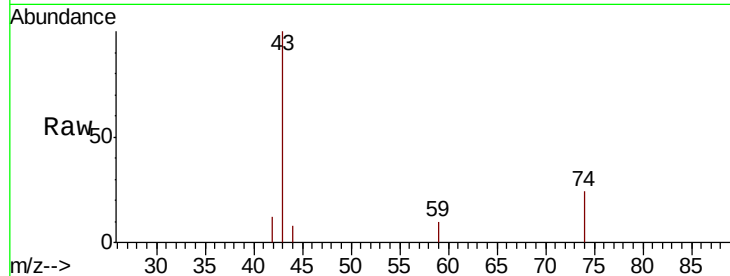




#18
Methyl Acetate
Concen: 4.385 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN059884.D
Acq: 27 Jan 2020 19:46

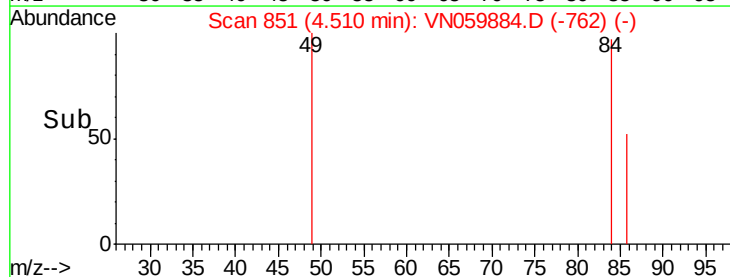
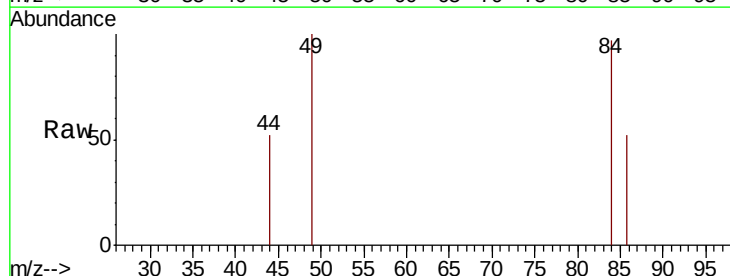
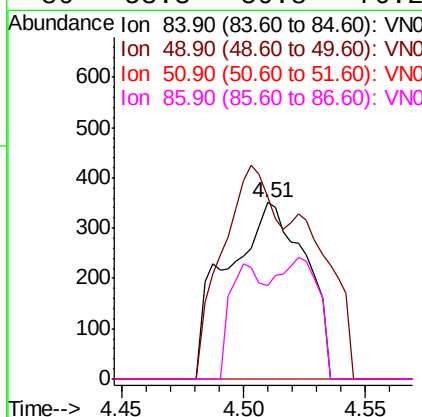
Instrument :
MSVOA_N
ClientSampleId :

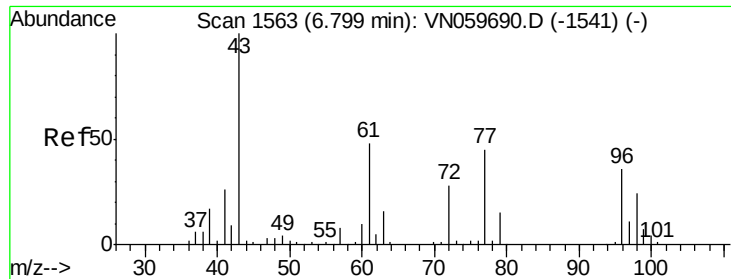
Tot Ion: 43 Resp: 10594
Ion Ratio Lower Upper
43 100
74 21.3 17.5 26.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN059884.D
Acq: 27 Jan 2020 19:46

Tgt Ion: 84 Resp: 780
Ion Ratio Lower Upper
84 100
49 102.8 106.6 160.0#
51 0.0 31.9 47.9#
86 53.3 50.8 76.2

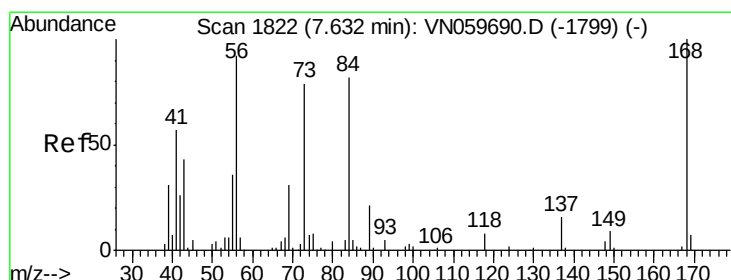
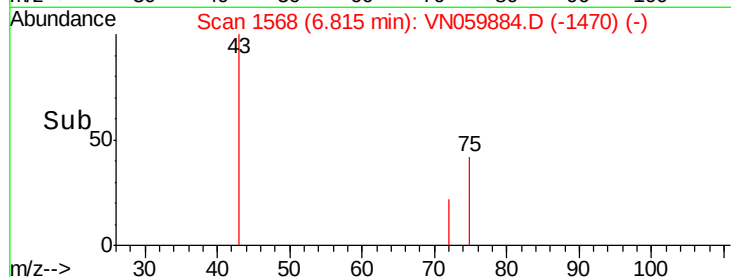
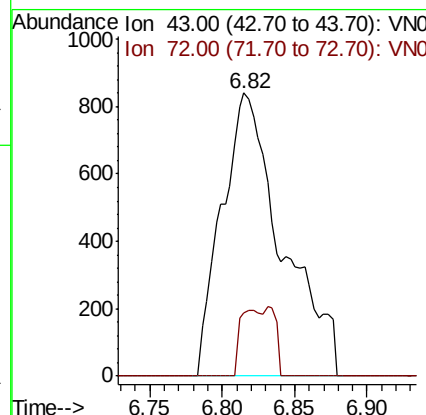
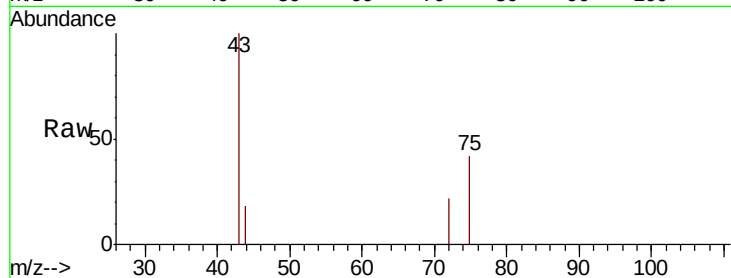




#25
2-Butanone
Concen: 2.078 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VN059884.D
Acq: 27 Jan 2020 19:46

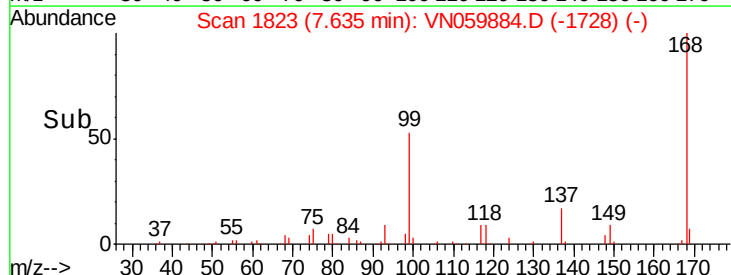
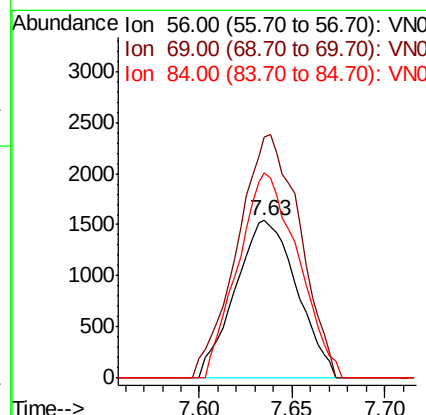
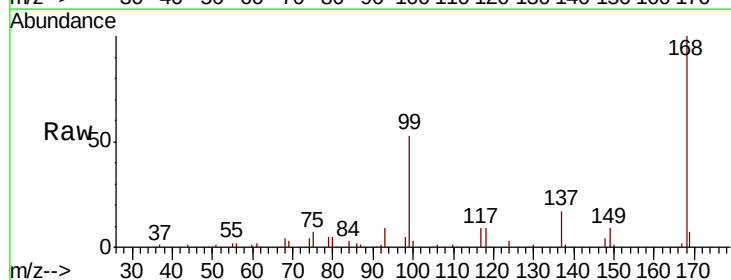
Instrument :
MSVOA_N
ClientSampleId :

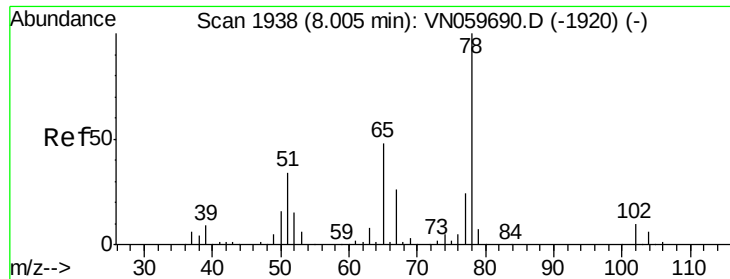
Tot Ion: 43 Resp: 2434
Ion Ratio Lower Upper
43 100
72 22.4 19.9 29.9



#31
Cyclohexane
Concen: 1.165 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059884.D
Acq: 27 Jan 2020 19:46

Tgt Ion: 56 Resp: 3565
Ion Ratio Lower Upper
56 100
69 152.8 26.5 39.7#
84 130.1 65.3 97.9#

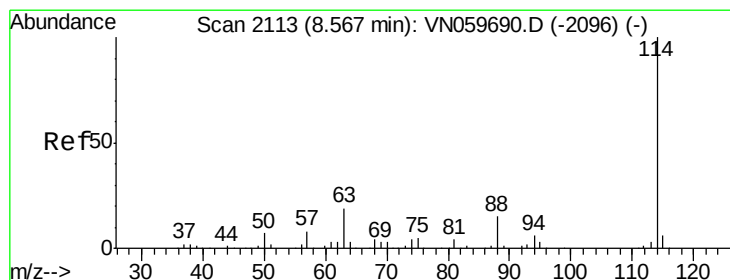
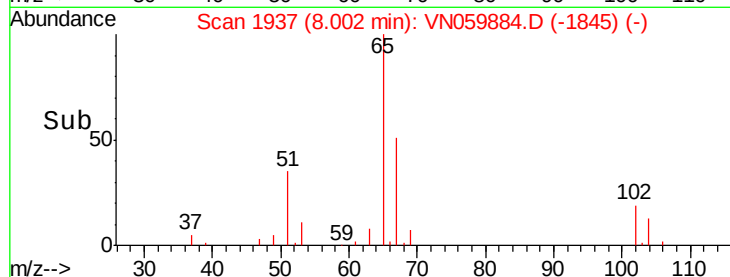
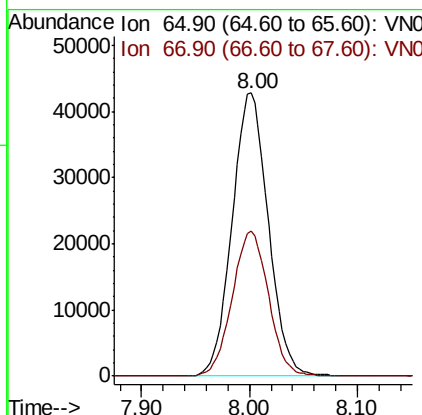
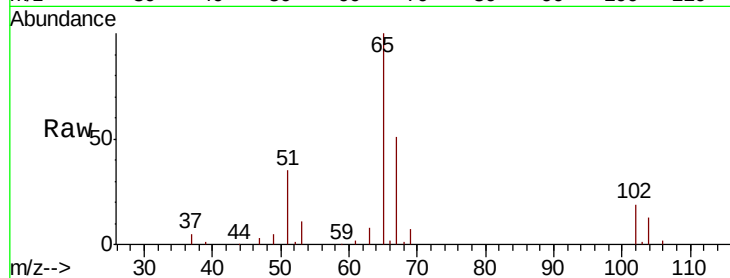




#33
 1,2-Dichloroethane-d4
 Concen: 48.298 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059884.D
 Acq: 27 Jan 2020 19:46

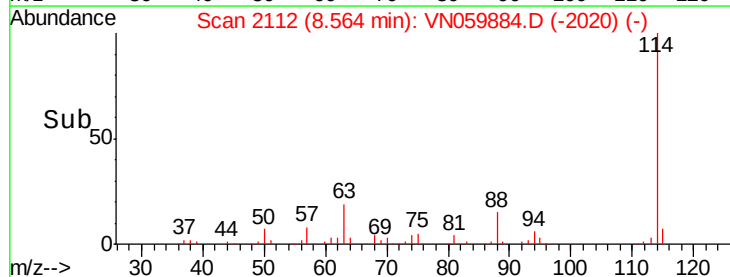
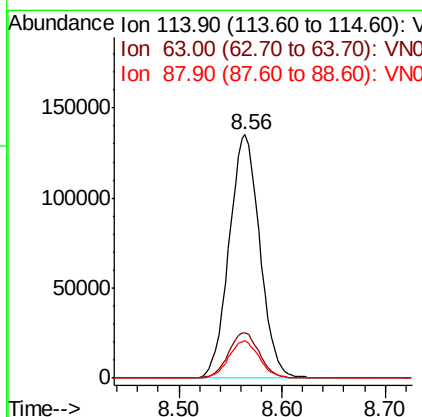
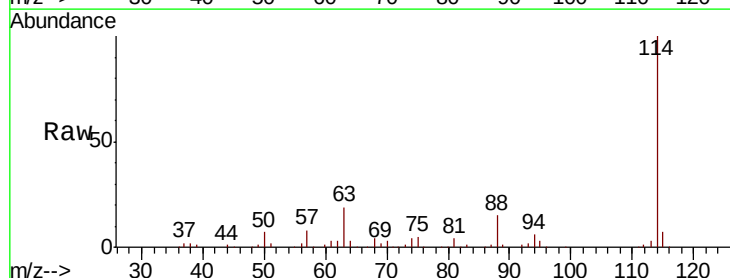
Instrument :
 MSVOA_N
 ClientSampleId :

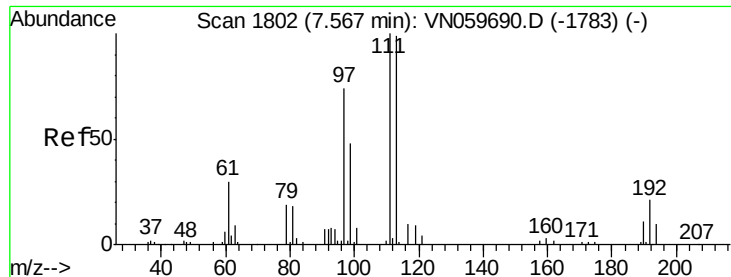
Tot Ion: 65 Resp: 99899
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059884.D
 Acq: 27 Jan 2020 19:46

Tgt Ion: 114 Resp: 280211
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 43.6
 88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.358 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VN059884.D

Acq: 27 Jan 2020 19:46

Instrument :
MSVOA_N
ClientSampleId :

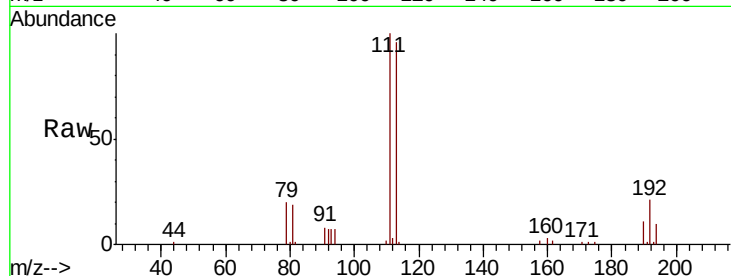
Tot Ion:113 Resp: 84150

Ion Ratio Lower Upper

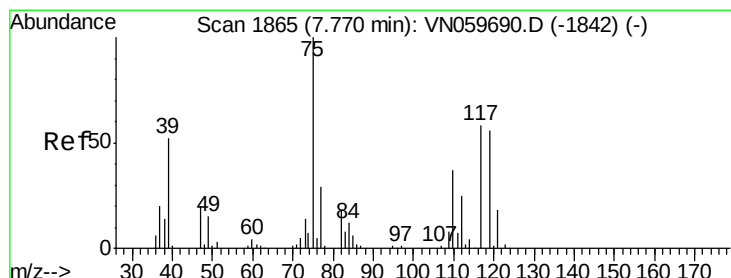
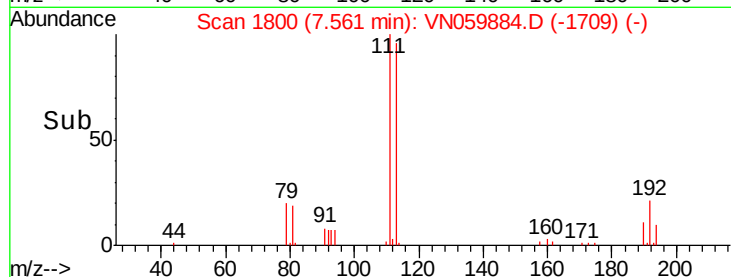
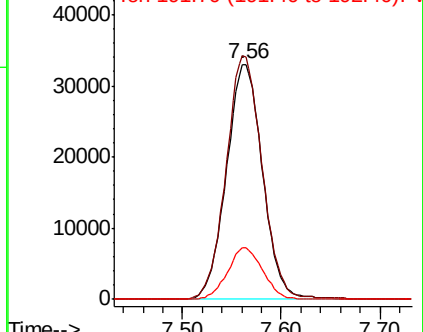
113 100

111 103.2 83.5 125.3

192 21.2 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: 5.237 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.13 min

Lab File: VN059884.D

Acq: 27 Jan 2020 19:46

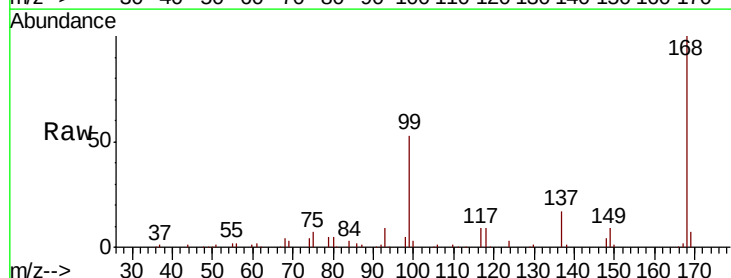
Tgt Ion: 75 Resp: 12780

Ion Ratio Lower Upper

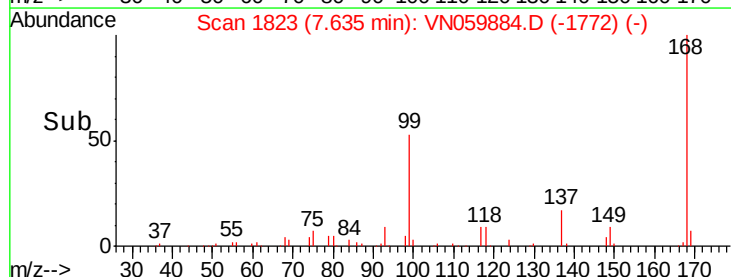
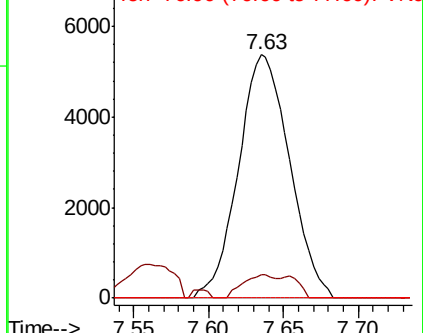
75 100

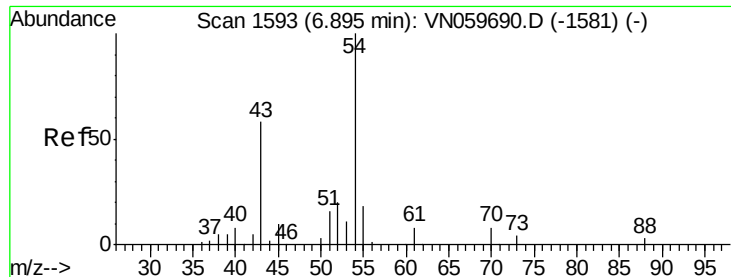
110 6.5 16.6 49.7#

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

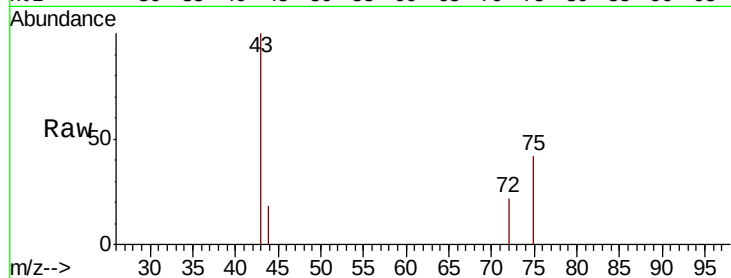




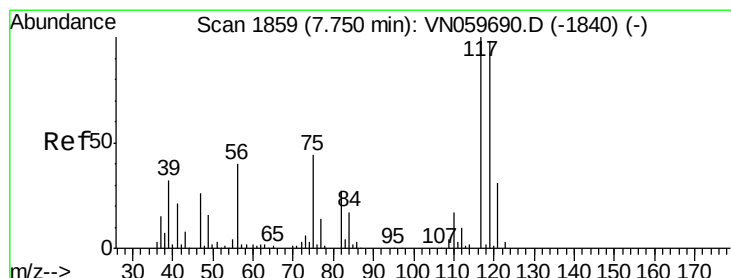
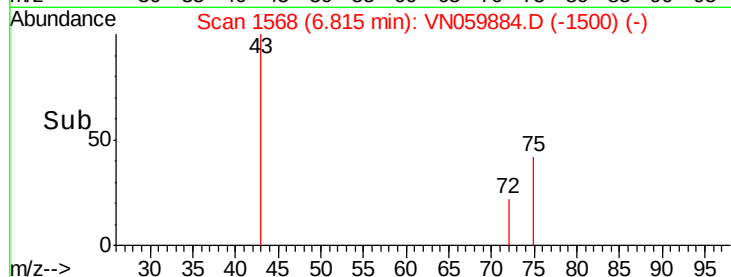
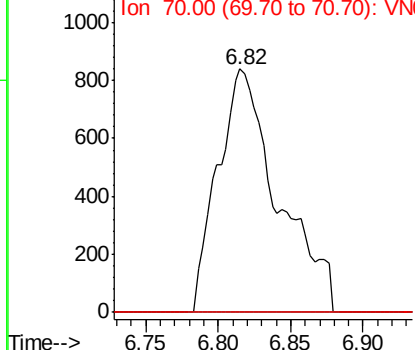
#37
Ethyl Acetate
Concen: 1.063 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. -0.08 min
Lab File: VN059884.D
Acq: 27 Jan 2020 19:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2434
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#

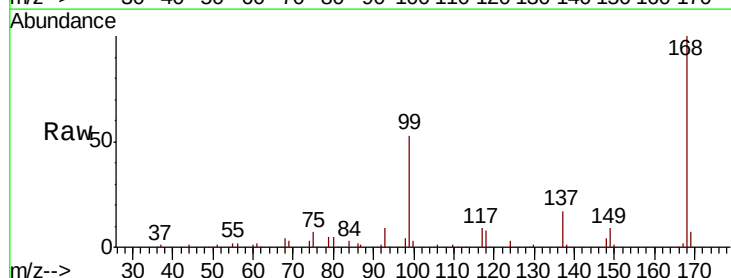


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

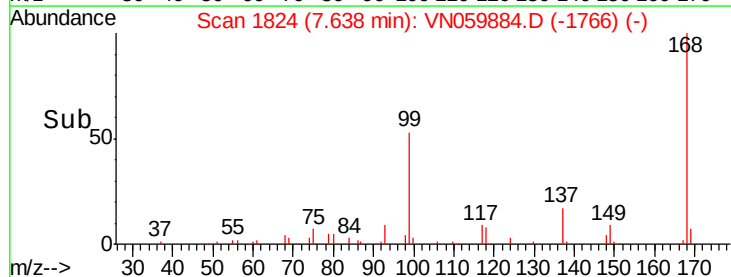
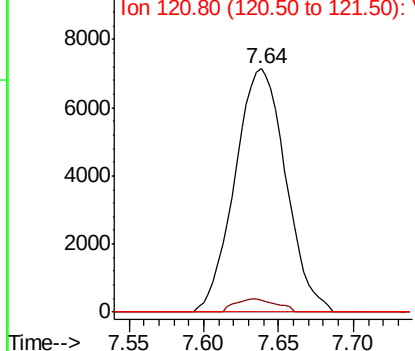


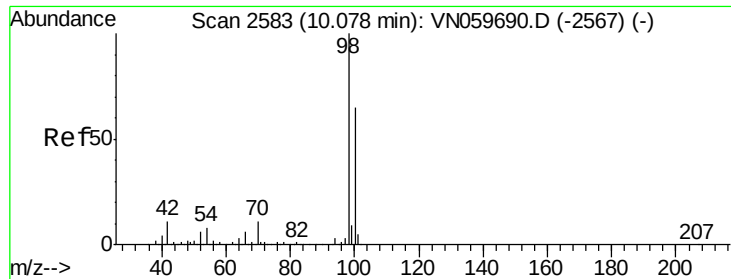
#38
Carbon Tetrachloride
Concen: 6.378 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN059884.D
Acq: 27 Jan 2020 19:46

Tgt Ion: 117 Resp: 16931
Ion Ratio Lower Upper
117 100
119 5.0 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

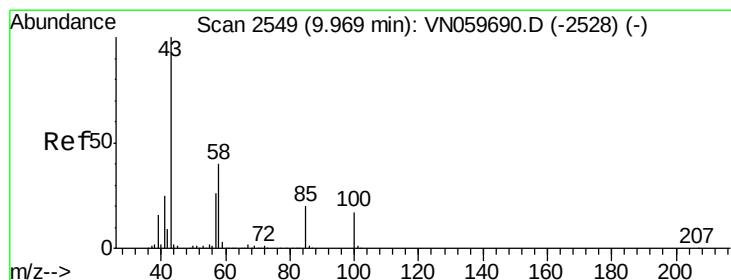
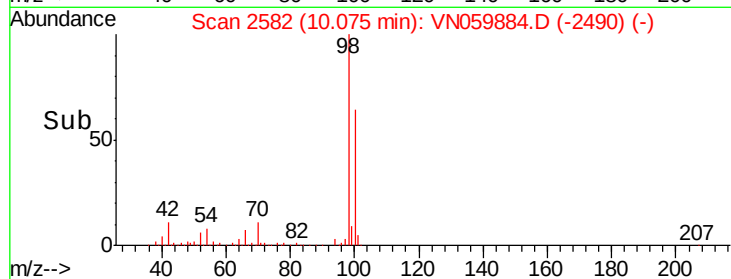
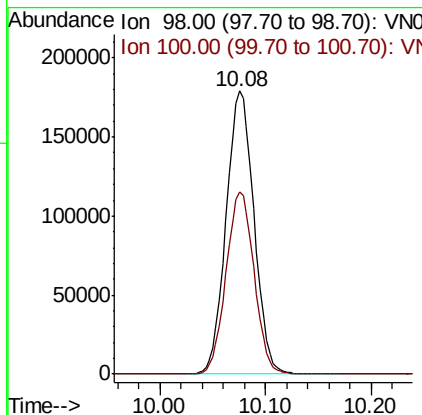
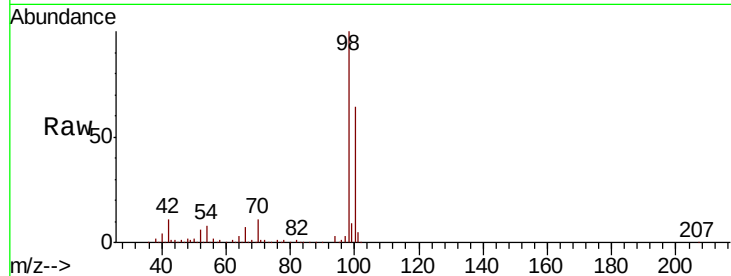




#50
Toluene-d8
Concen: 50.580 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059884.D
Acq: 27 Jan 2020 19:46

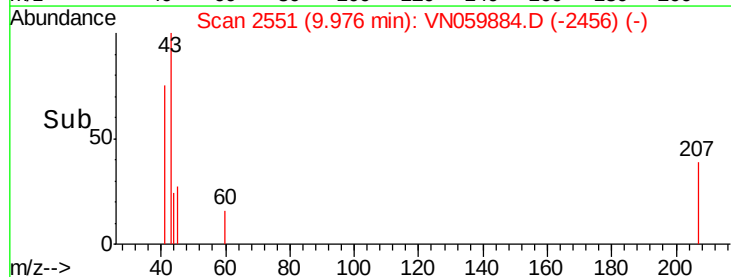
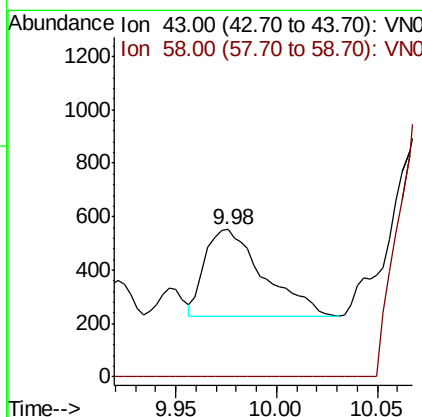
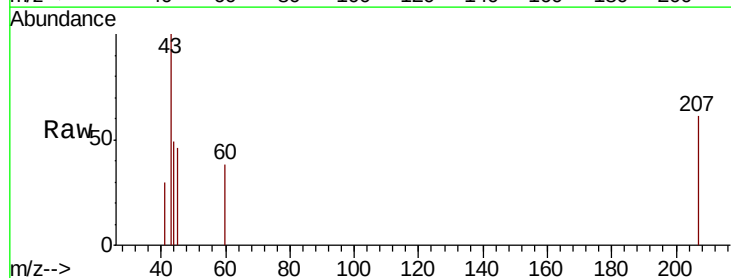
Instrument :
MSVOA_N
ClientSampled :

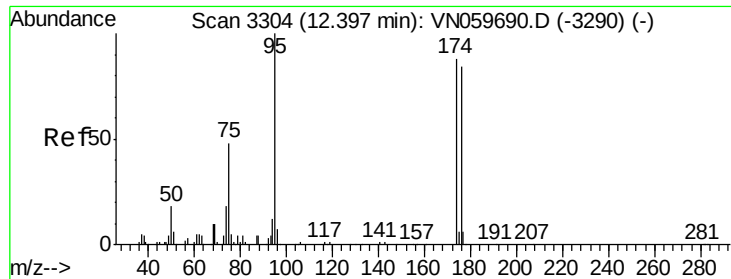
Tot Ion: 98 Resp: 327476
Ion Ratio Lower Upper
98 100
100 64.7 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.290 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.01 min
Lab File: VN059884.D
Acq: 27 Jan 2020 19:46

Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#





#62

4-Bromofluorobenzene

Concen: 45.293 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059884.D

Acq: 27 Jan 2020 19:46

Instrument :

MSVOA_N

ClientSampled :

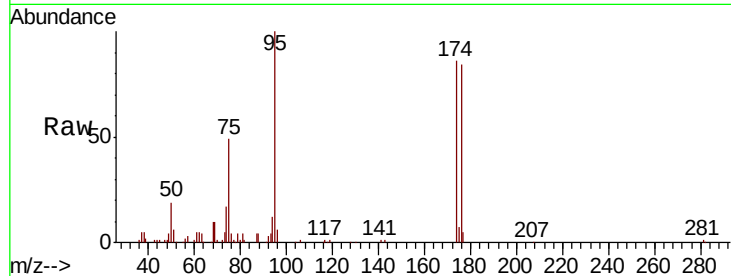
Tot Ion: 95 Resp: 105713

Ion Ratio Lower Upper

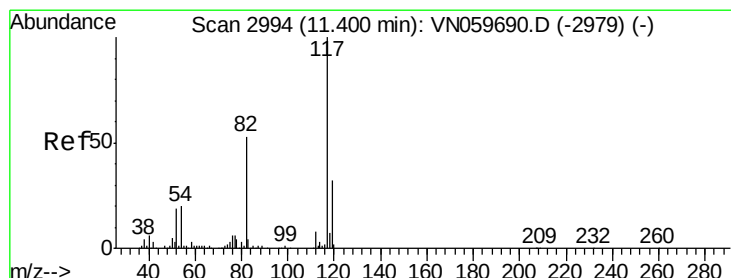
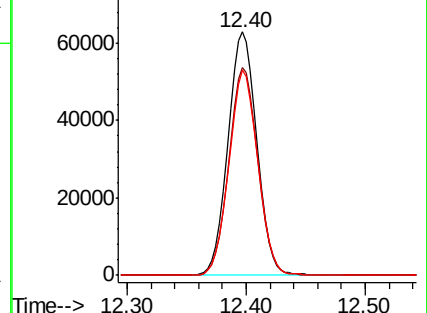
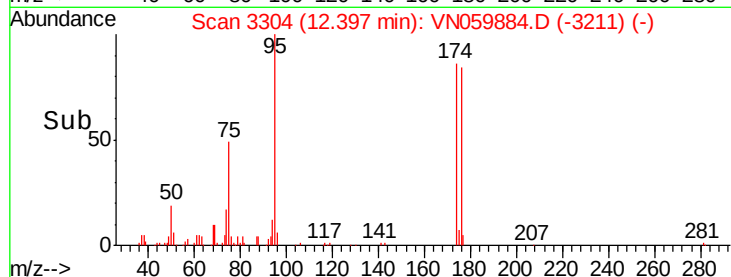
95 100

174 85.4 0.0 151.4

176 84.0 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059690.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059884.D

Acq: 27 Jan 2020 19:46

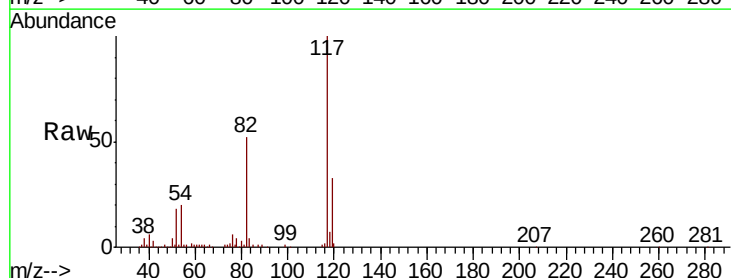
Tgt Ion: 117 Resp: 237578

Ion Ratio Lower Upper

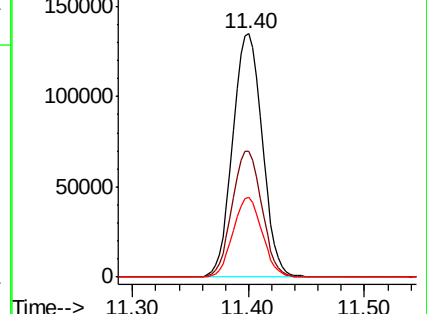
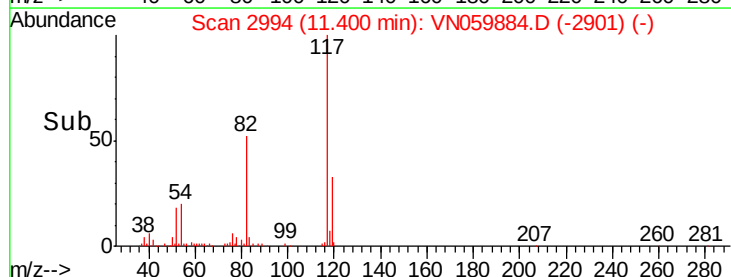
117 100

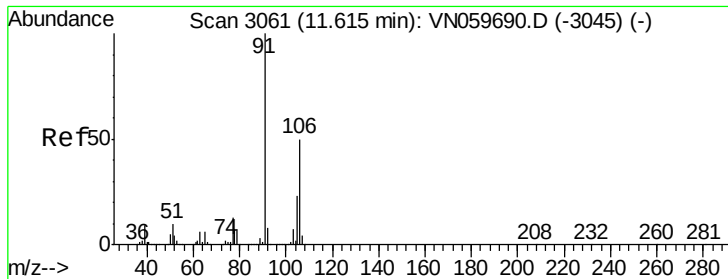
82 51.8 45.9 68.9

119 32.8 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN059690.D (-2979) (-)

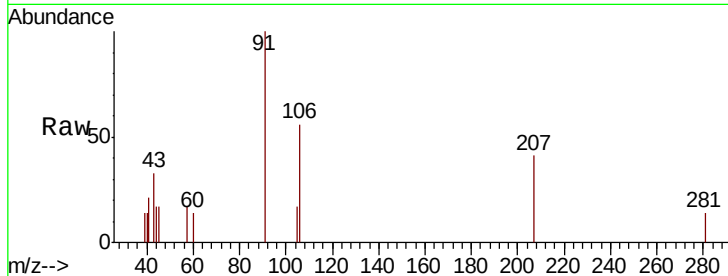




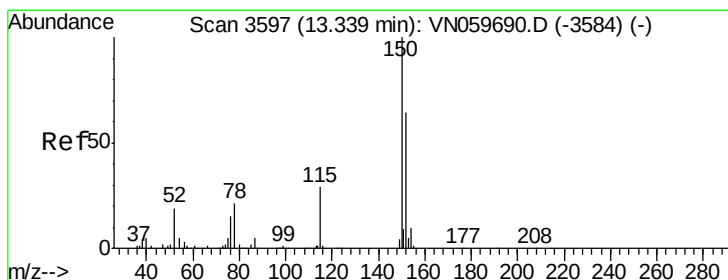
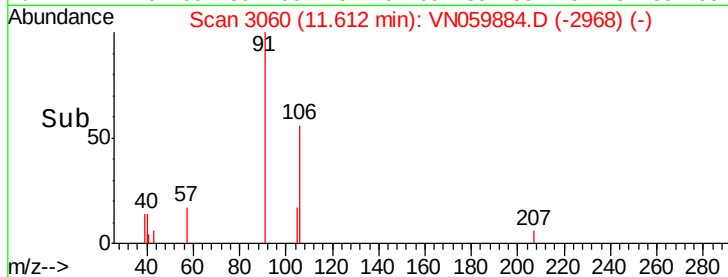
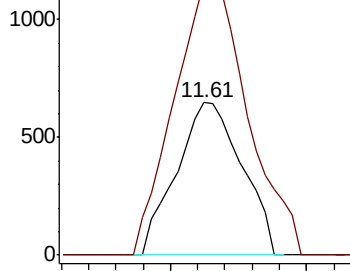
#68
m/p-Xvlenes
Concen: 0.337 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN059884.D
Acq: 27 Jan 2020 19:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 1078
Ion Ratio Lower Upper
106 100
91 201.9 167.9 251.9

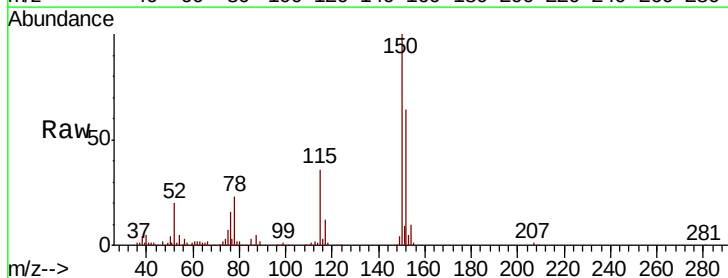


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

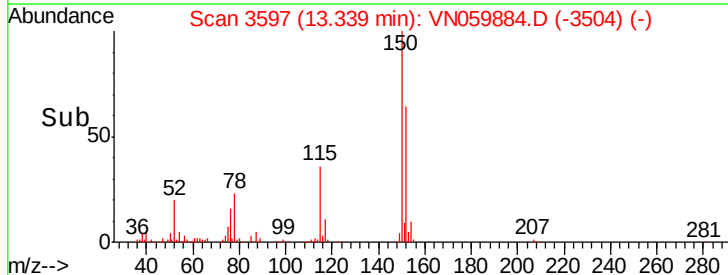
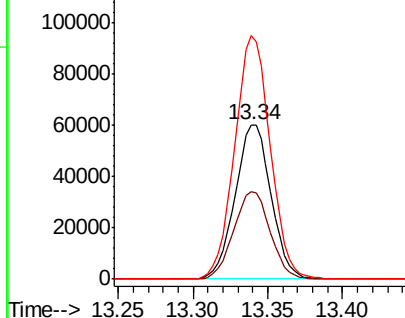


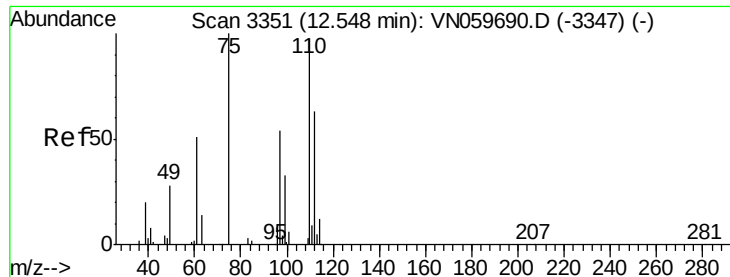
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059884.D
Acq: 27 Jan 2020 19:46

Tgt Ion:152 Resp: 100611
Ion Ratio Lower Upper
152 100
115 57.6 30.3 90.9
150 156.0 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: 30.965 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059884.D

Acq: 27 Jan 2020 19:46

Instrument :

MSVOA_N

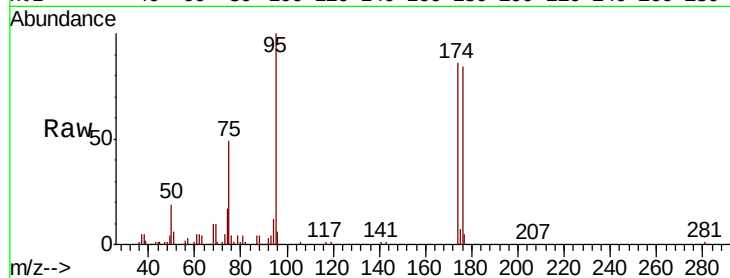
ClientSampleId :

Tot Ion: 75 Resp: 52429

Ion Ratio Lower Upper

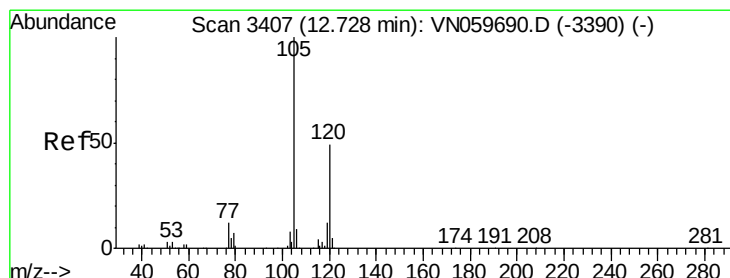
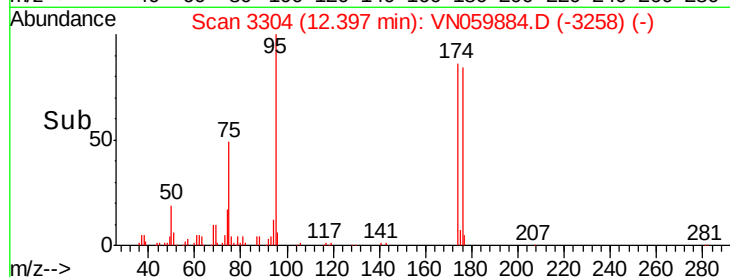
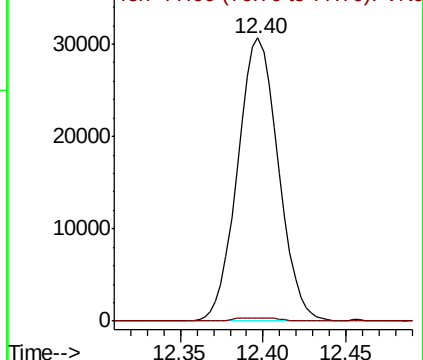
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN059690.D (-3347) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.291 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059884.D

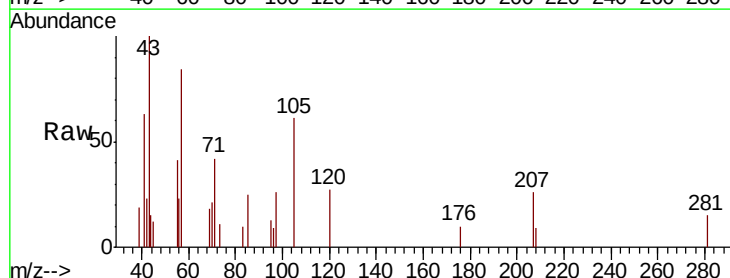
Acq: 27 Jan 2020 19:46

Tgt Ion: 105 Resp: 1804

Ion Ratio Lower Upper

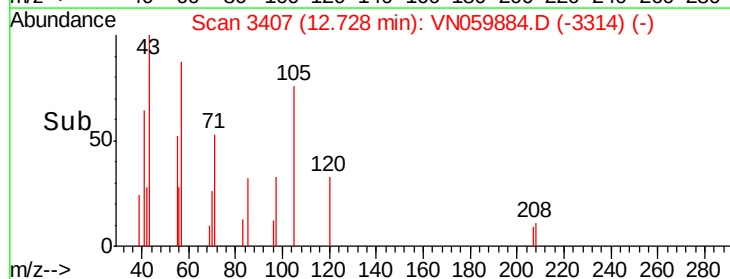
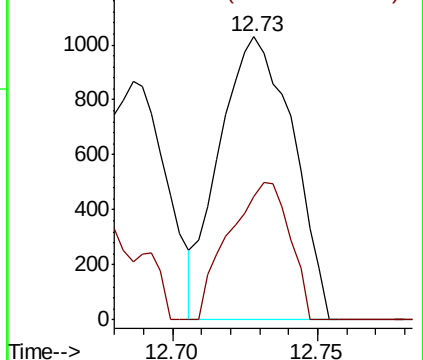
105 100

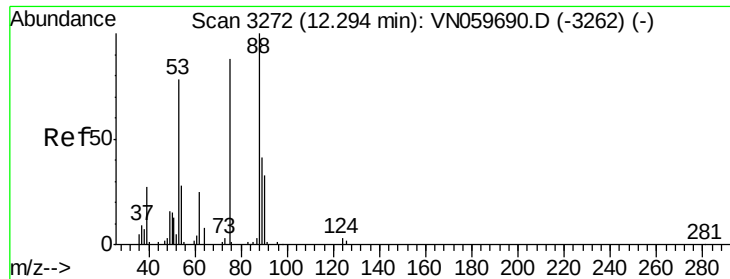
120 40.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059690.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059690.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 66.497 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059884.D

Acq: 27 Jan 2020 19:46

Instrument :

MSVOA_N

ClientSampleId :

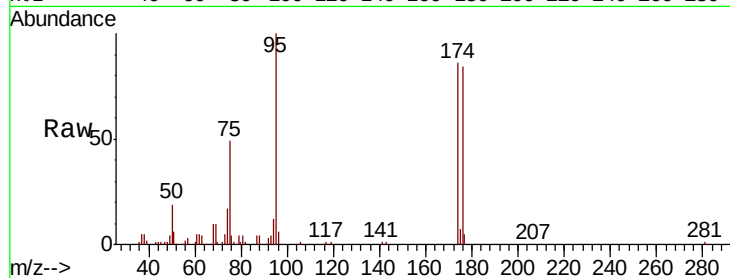
Tot Ion: 75 Resp: 52429

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

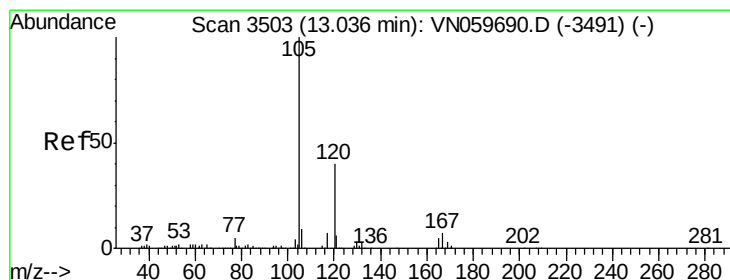
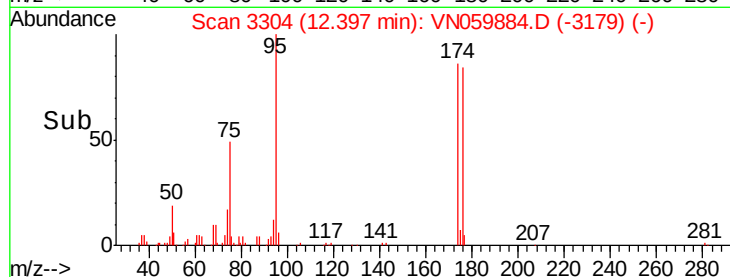
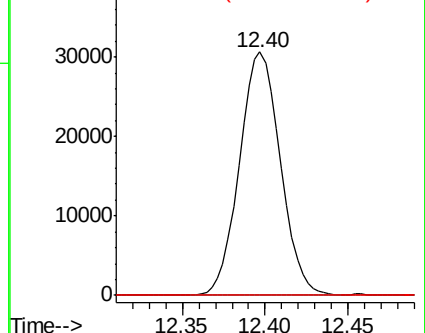
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-3262) (-)

Ion 53.00 (52.70 to 53.70): VN059690.D (-3262) (-)

Ion 88.90 (88.60 to 89.60): VN059690.D (-3262) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.805 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN059884.D

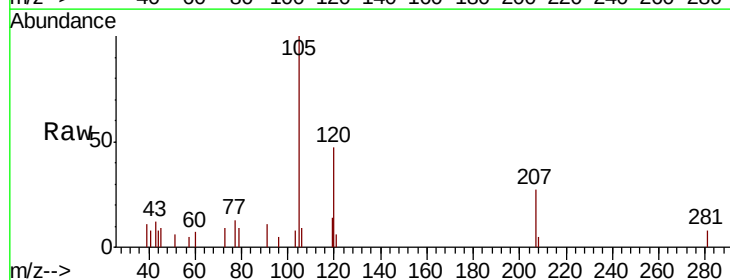
Acq: 27 Jan 2020 19:46

Tgt Ion: 105 Resp: 4942

Ion Ratio Lower Upper

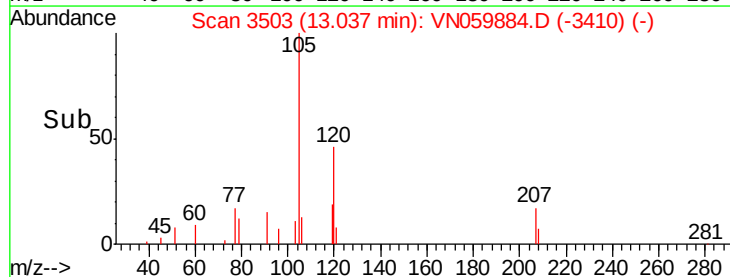
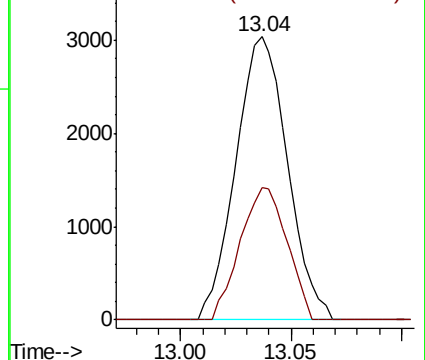
105 100

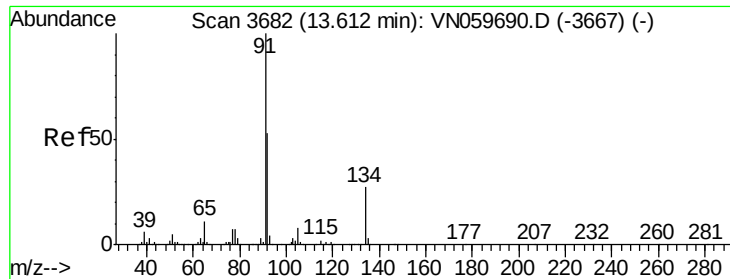
120 42.3 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): VN059690.D (-3491) (-)

Ion 120.00 (119.70 to 120.70): VN059690.D (-3491) (-)





#89

n-Butylbenzene

Concen: 0.209 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059884.D

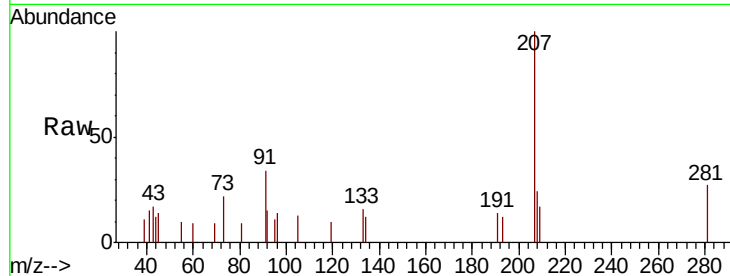
Acq: 27 Jan 2020 19:46

Instrument :

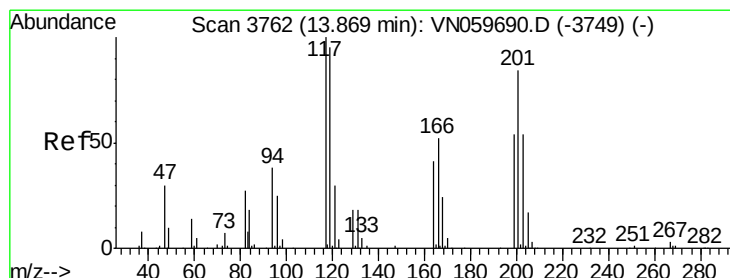
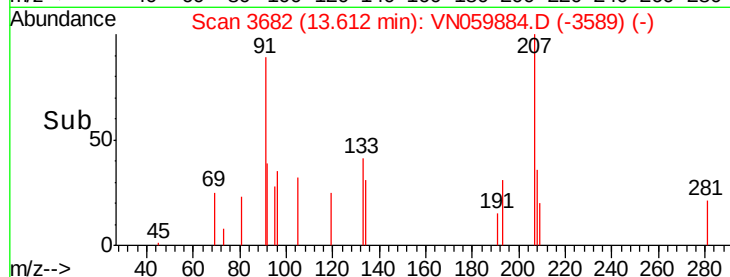
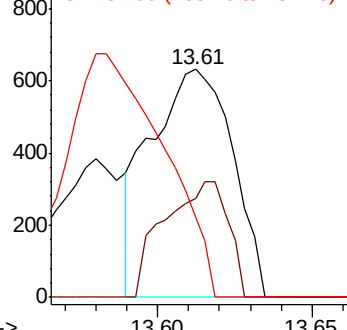
MSVOA_N

ClientSampled :

Tot Ion:	91	Resp:	1161
Ion	Ratio	Lower	Upper
91	100		
92	39.7	25.9	77.7
134	0.0	12.3	36.8#



Abundance Ion 91.00 (90.70 to 91.70): VN059884.D (-3667) (-)



#90

Hexachloroethane

Concen: 0.291 ug/l

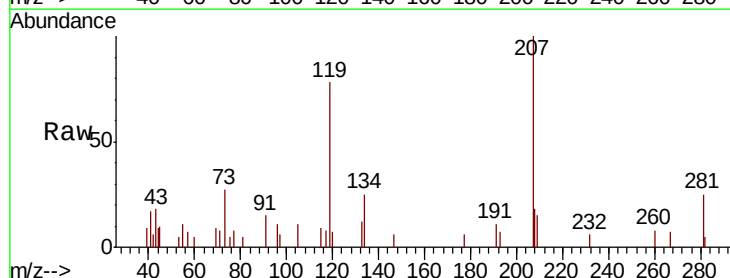
RT: 13.89 min Scan# 3767

Delta R.T. 0.02 min

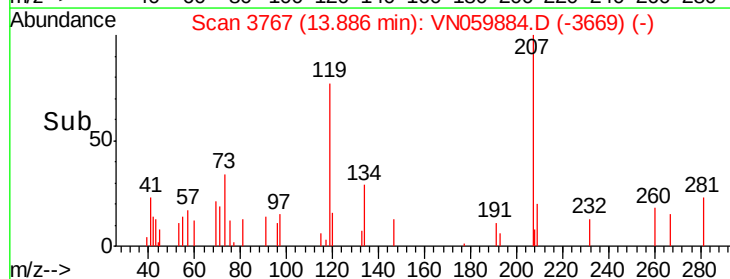
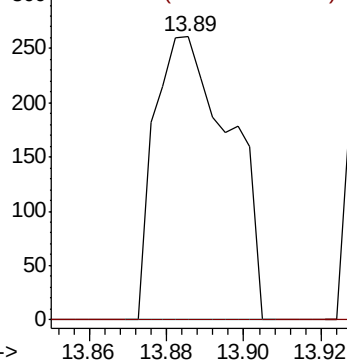
Lab File: VN059884.D

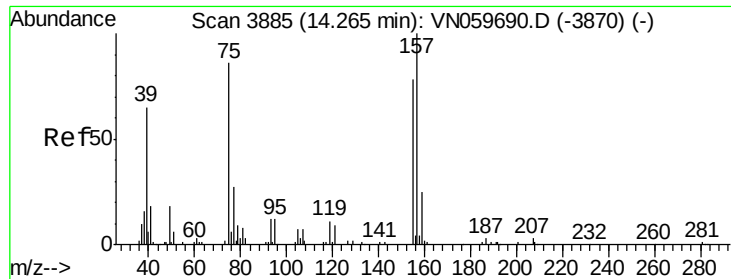
Acq: 27 Jan 2020 19:46

Tgt Ion:	117	Resp:	355
Ion	Ratio	Lower	Upper
117	100		
201	0.0	37.8	113.4#



Abundance Ion 116.80 (116.50 to 117.50): VN059884.D (-3667) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN059884.D

Acq: 27 Jan 2020 19:46

Instrument :

MSVOA_N

ClientSampled :

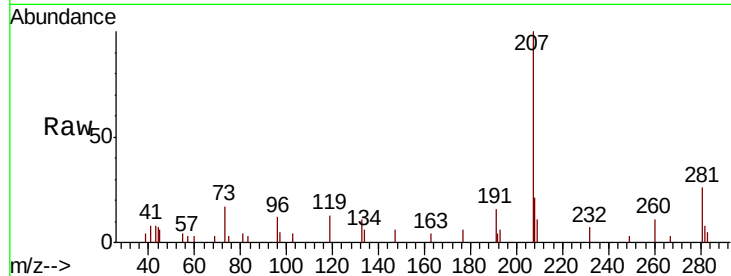
Tot Ion: 75 Resp: 97

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

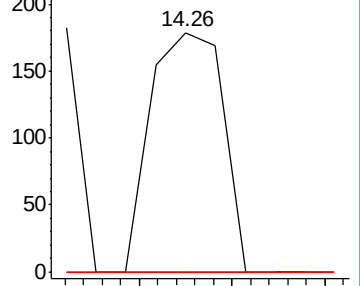
157 0.0 48.4 145.2#



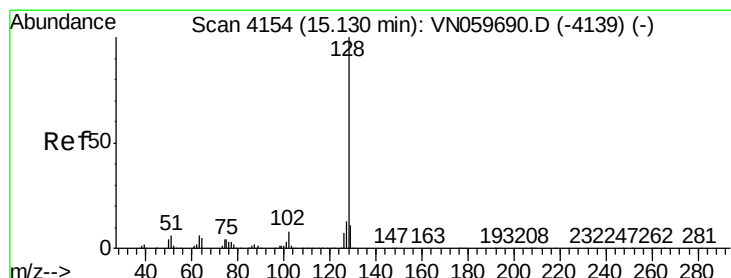
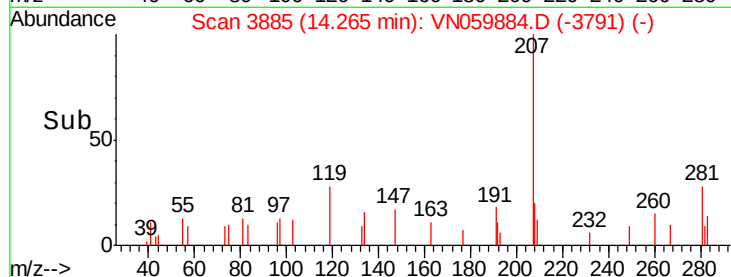
Abundance Ion 74.90 (74.60 to 75.60): VN059690.D (-3870) (-)

Ion 154.80 (154.50 to 155.50): VN059690.D (-3870) (-)

Ion 156.80 (156.50 to 157.50): VN059690.D (-3870) (-)



Time-->



#95

Naphthalene

Concen: 1.586 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059884.D

Acq: 27 Jan 2020 19:46

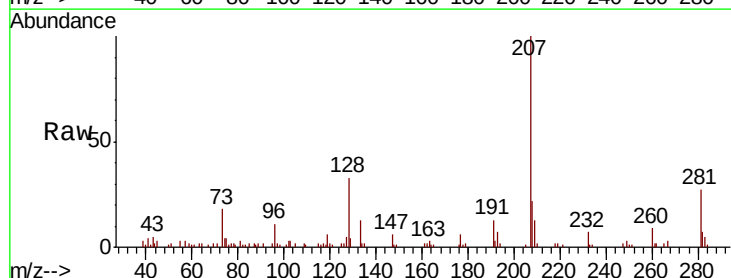
Tgt Ion: 128 Resp: 8699

Ion Ratio Lower Upper

128 100

127 13.9 10.4 15.6

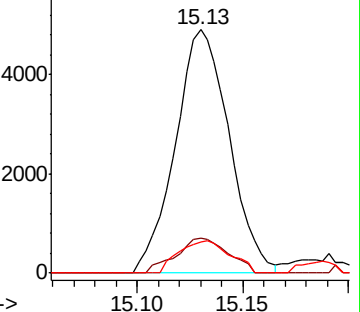
129 12.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VN059690.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN059690.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN059690.D (-4139) (-)



Time-->

