

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061949.D
 Acq On : 19 Jun 2020 14:01
 Operator : JC/MD
 Sample : L3011-17DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20200612DL

Quant Time: Jun 20 07:33:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	146810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	263324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	257139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	106615	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	95859	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
35) Dibromofluoromethane	7.55	113	81620	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	10.06	98	331127	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.38	95	114436	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	

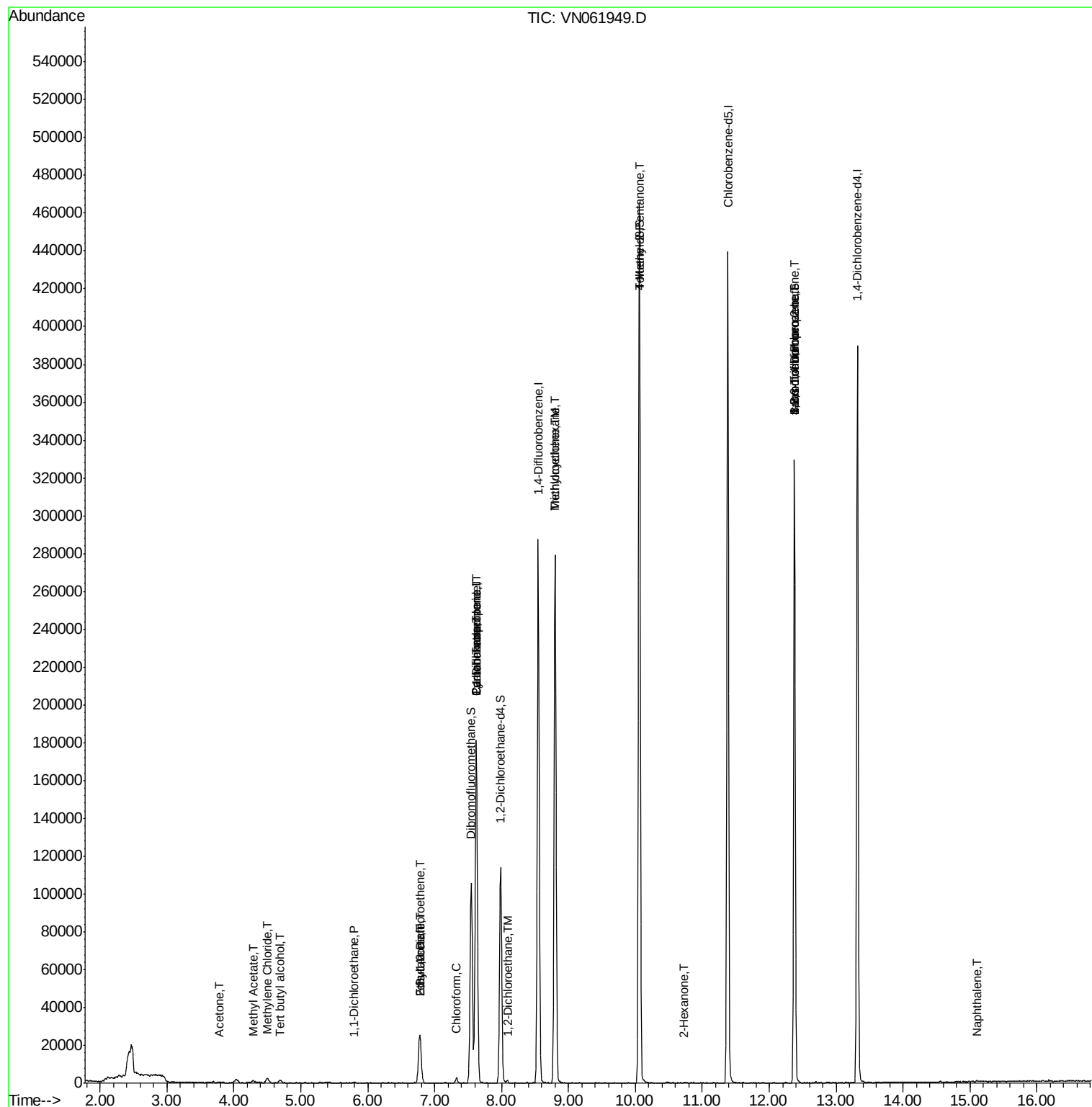
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.68	59	542	1.989	ug/l #	74
16) Acetone	3.78	43	1057	1.817	ug/l #	40
18) Methyl Acetate	4.28	43	1409	0.841	ug/l	95
20) Methylene Chloride	4.50	84	2098	1.107	ug/l #	87
24) 1,1-Dichloroethane	5.79	63	892	0.301	ug/l #	82
25) 2-Butanone	6.80	43	907	1.069	ug/l #	44
27) cis-1,2-Dichloroethene	6.78	96	16869	8.533	ug/l	93
30) Chloroform	7.33	83	2663	0.841	ug/l	100
31) Cyclohexane	7.63	56	3061	1.180	ug/l #	31
36) 1,1-Dichloropropene	7.62	75	11873	4.943	ug/l #	48
37) Ethyl Acetate	6.80	43	907	0.484	ug/l #	1
38) Carbon Tetrachloride	7.62	117	14836	6.238	ug/l #	17
39) Methylcyclohexane	8.80	83	1222	0.473	ug/l #	1
42) 1,2-Dichloroethane	8.09	62	1149	0.463	ug/l #	73
44) Trichloroethene	8.80	130	104551	54.603	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1418	0.759	ug/l #	1
59) 2-Hexanone	10.72	43	111	13.477	ug/l #	20
71) Bromoform	12.37	173	752	0.545	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	57802	27.615	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	57802	75.318	ug/l #	14
95) Naphthalene	15.10	128	316	3.539	ug/l #	69

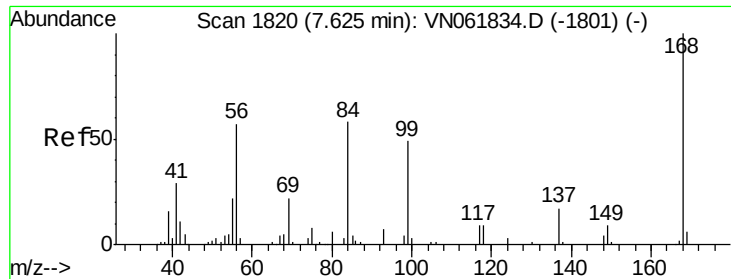
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061920\
Data File : VN061949.D
Acq On : 19 Jun 2020 14:01
Operator : JC/MD
Sample : L3011-17DL 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20200612DL

Quant Time: Jun 20 07:33:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061949.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

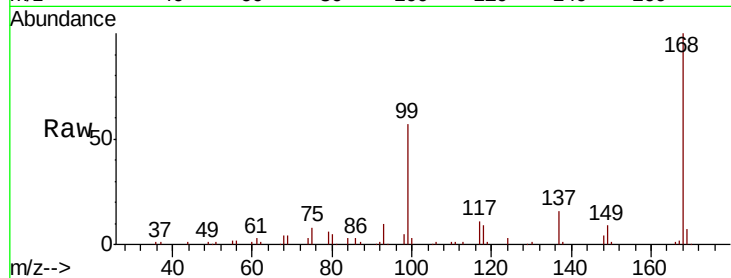
RE104D2-20200612DL

Tot Ion:168 Resp: 146810

Ion Ratio Lower Upper

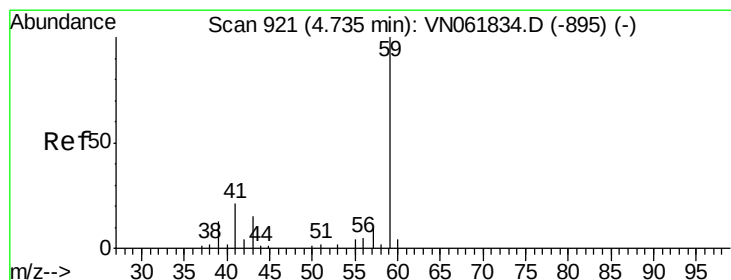
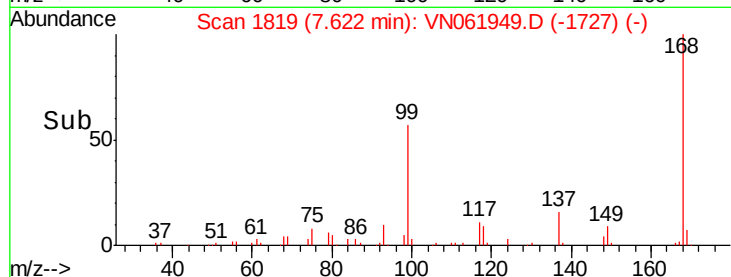
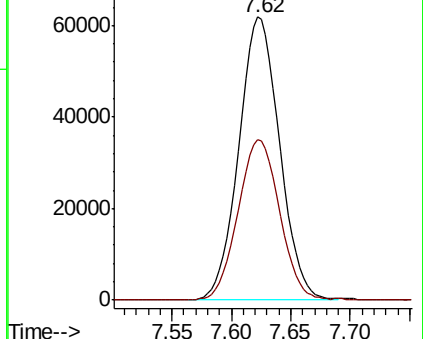
168 100

99 56.7 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 1.989 ug/l

RT: 4.68 min Scan# 904

Delta R.T. -0.05 min

Lab File: VN061949.D

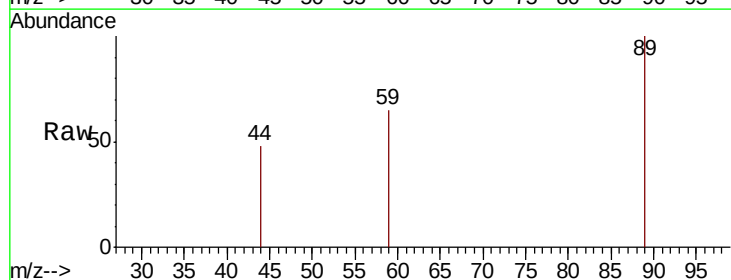
Acq: 19 Jun 2020 14:01

Tgt Ion: 59 Resp: 542

Ion Ratio Lower Upper

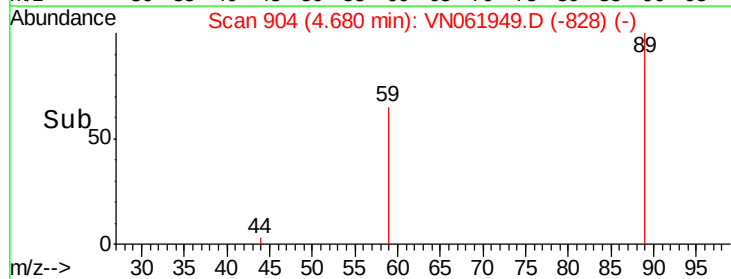
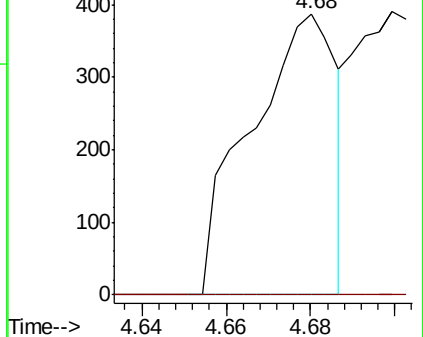
59 100

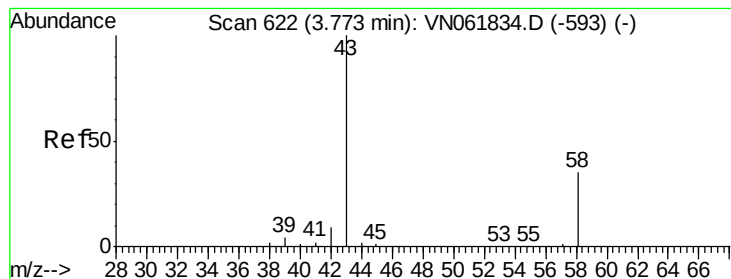
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 1.817 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061949.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

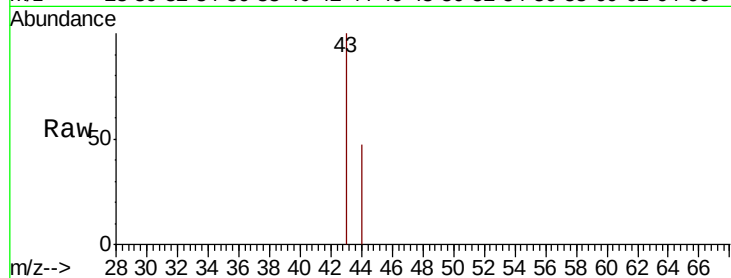
RE104D2-20200612DL

Tot Ion: 43 Resp: 1057

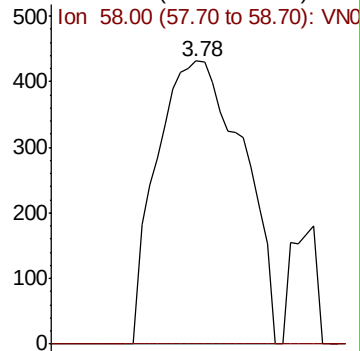
Ion Ratio Lower Upper

43 100

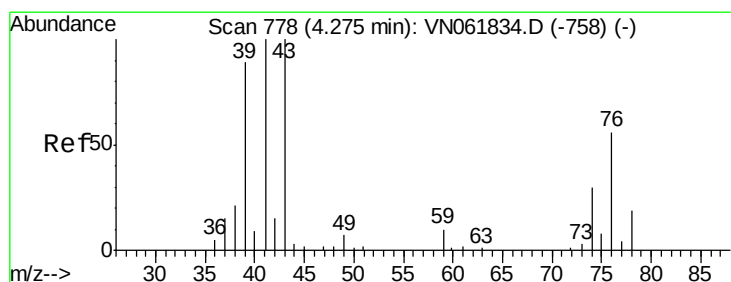
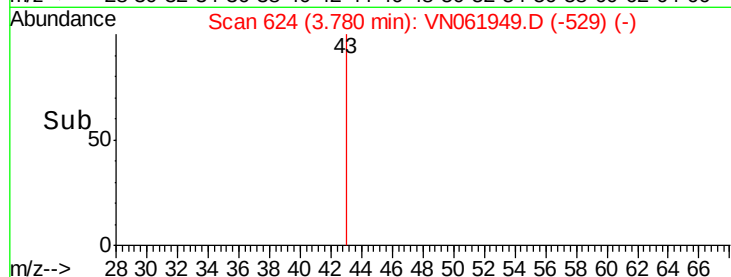
58 0.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)



Time-->



#18

Methyl Acetate

Concen: 0.841 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.01 min

Lab File: VN061949.D

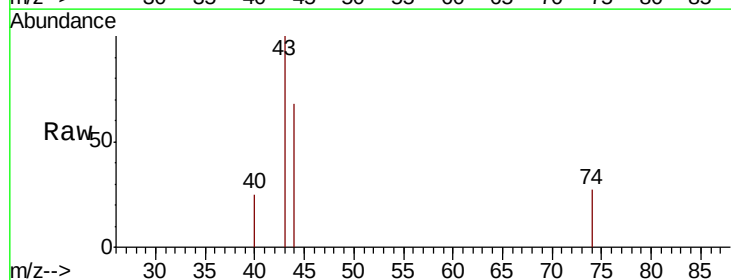
Acq: 19 Jun 2020 14:01

Tgt Ion: 43 Resp: 1409

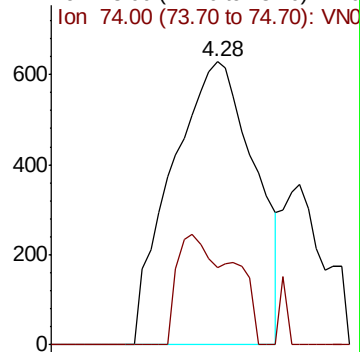
Ion Ratio Lower Upper

43 100

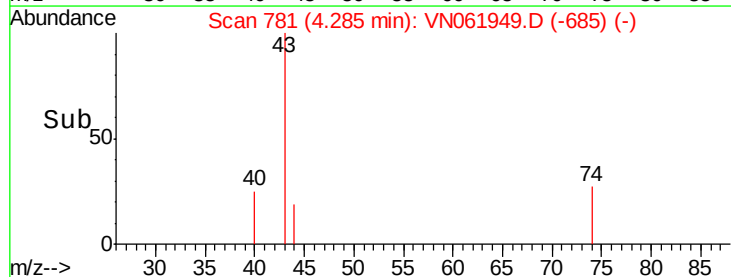
74 26.3 23.0 34.4

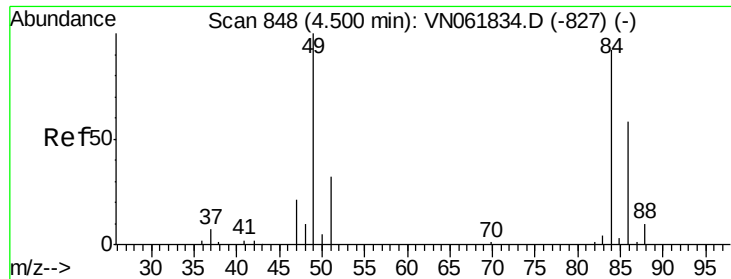


Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-758) (-)



Time-->

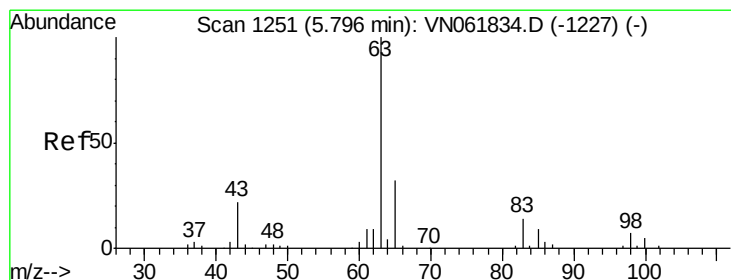
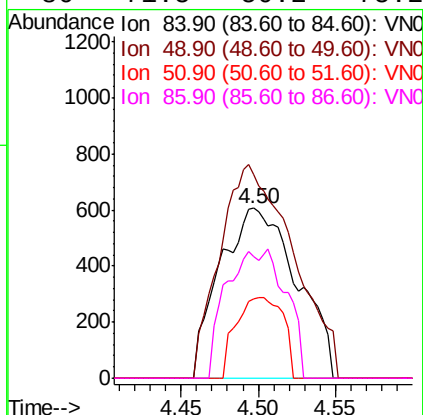
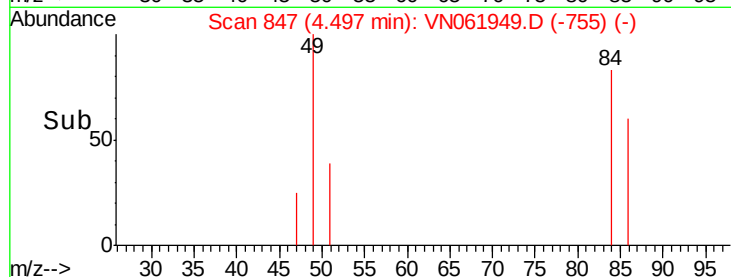
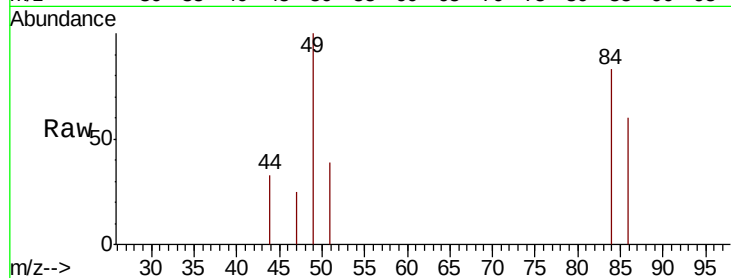




#20
Methylene Chloride
Concen: 1.107 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061949.D
Acq: 19 Jun 2020 14:01

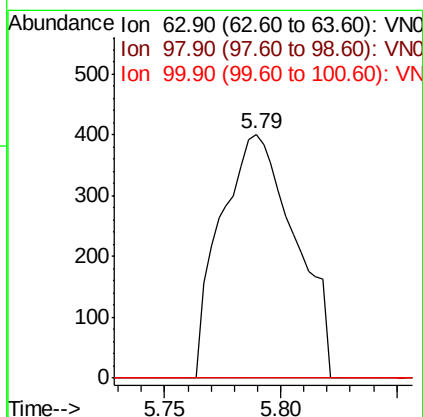
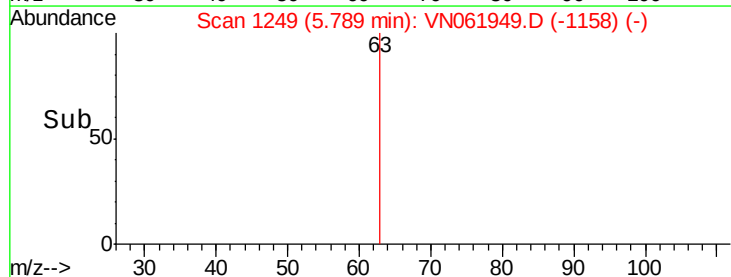
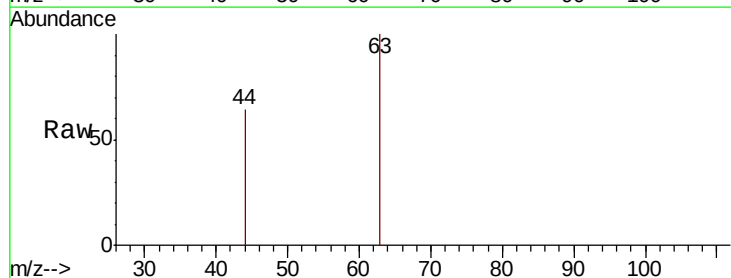
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20200612DL

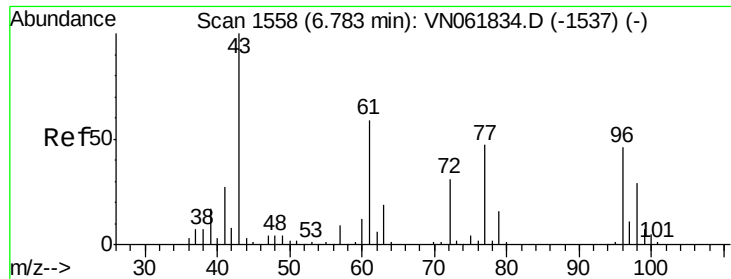
Tot Ion: 84 Resp: 2098
Ion Ratio Lower Upper
84 100
49 119.8 87.0 130.4
51 47.0 27.8 41.6#
86 71.5 50.2 75.2



#24
1,1-Dichloroethane
Concen: 0.301 ug/l
RT: 5.79 min Scan# 1249
Delta R.T. -0.01 min
Lab File: VN061949.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 63 Resp: 892
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.4#

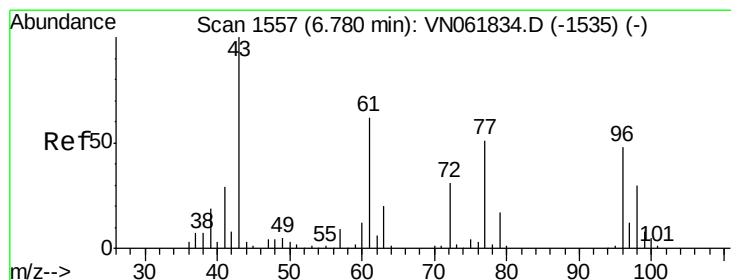
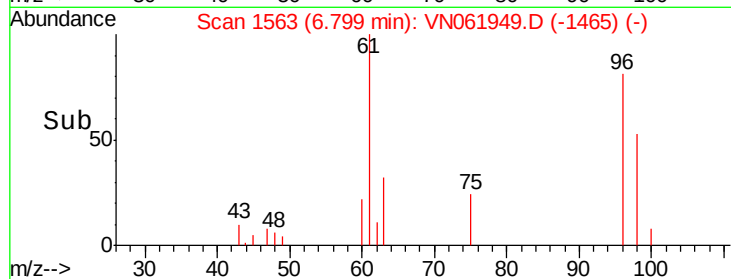
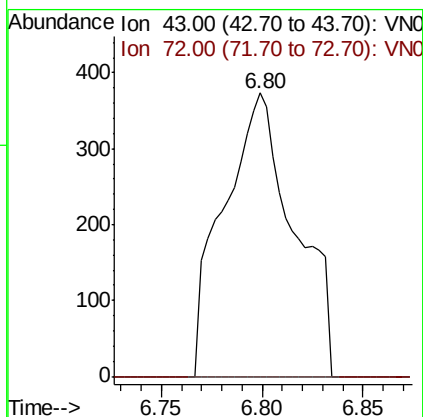
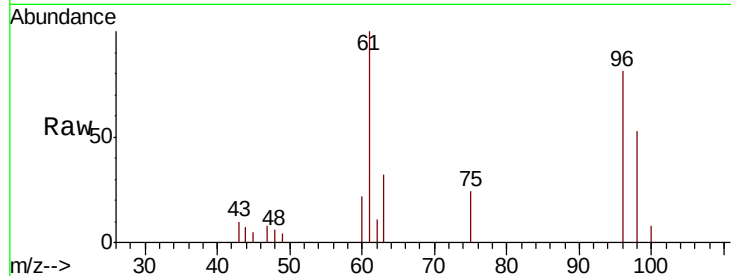




#25
2-Butanone
Concen: 1.069 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.02 min
Lab File: VN061949.D
Acq: 19 Jun 2020 14:01

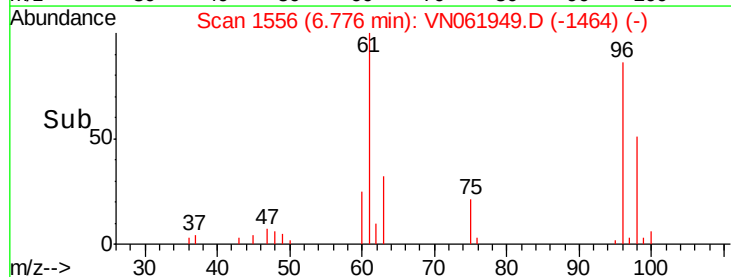
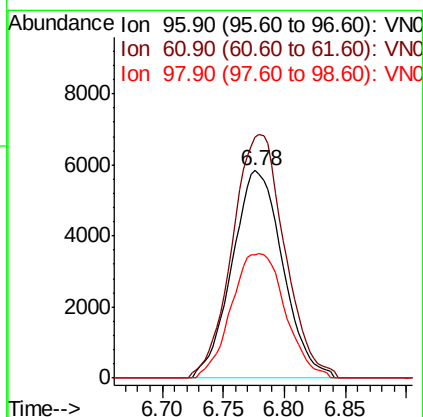
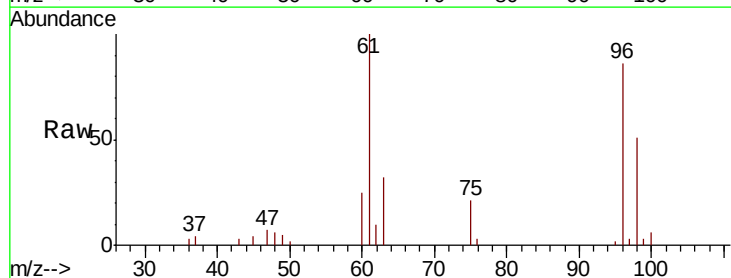
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20200612DL

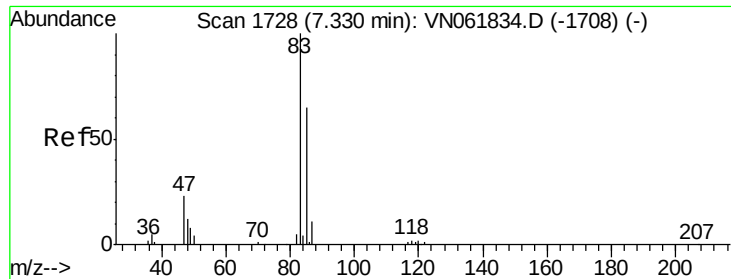
Tot Ion: 43 Resp: 907
Ion Ratio Lower Upper
43 100
72 0.0 24.6 37.0#



#27
cis-1,2-Dichloroethene
Concen: 8.533 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VN061949.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 96 Resp: 16869
Ion Ratio Lower Upper
96 100
61 120.9 0.0 265.6
98 63.5 0.0 128.2

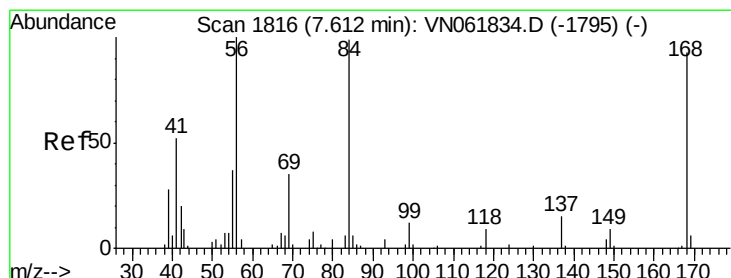
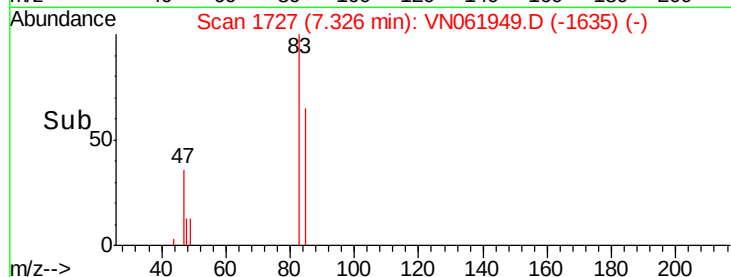
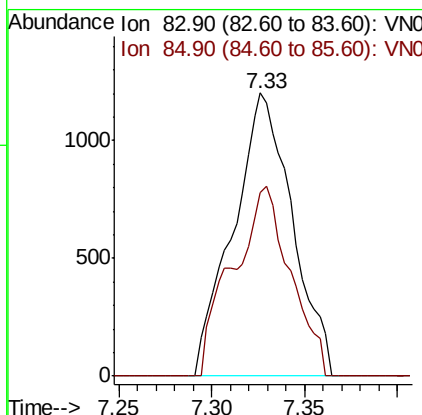
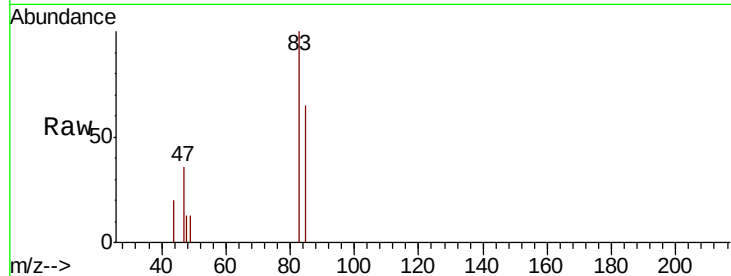




#30
Chloroform
Concen: 0.841 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061949.D
Acq: 19 Jun 2020 14:01

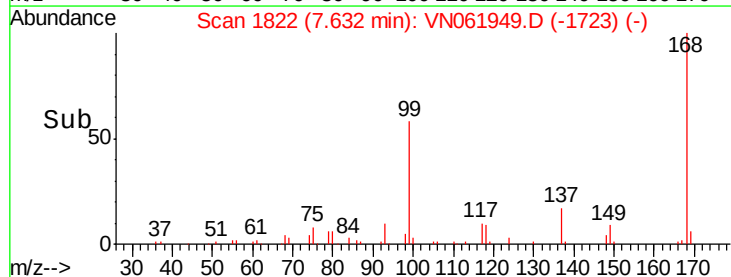
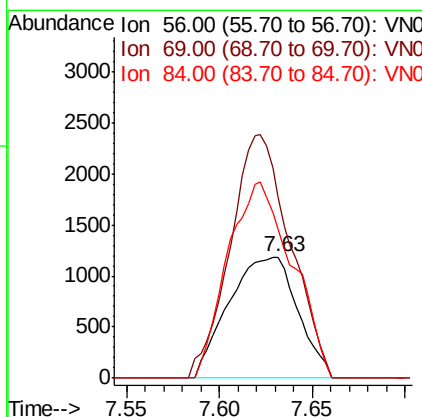
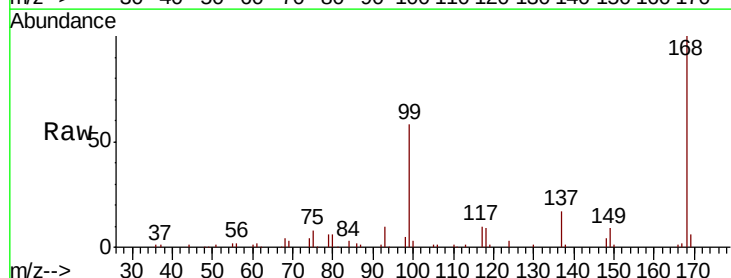
Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20200612DL

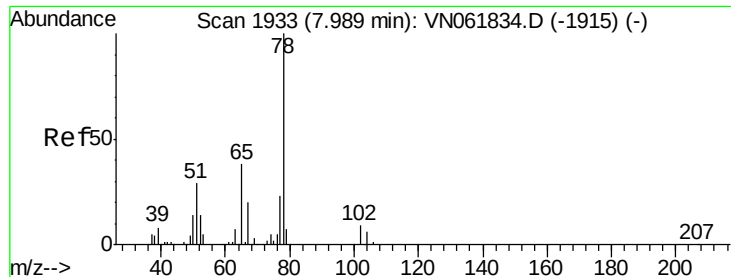
Tot Ion: 83 Resp: 2663
Ion Ratio Lower Upper
83 100
85 64.9 52.0 78.0



#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.02 min
Lab File: VN061949.D
Acq: 19 Jun 2020 14:01

Tgt Ion: 56 Resp: 3061
Ion Ratio Lower Upper
56 100
69 149.0 27.7 41.5#
84 122.9 79.1 118.7#

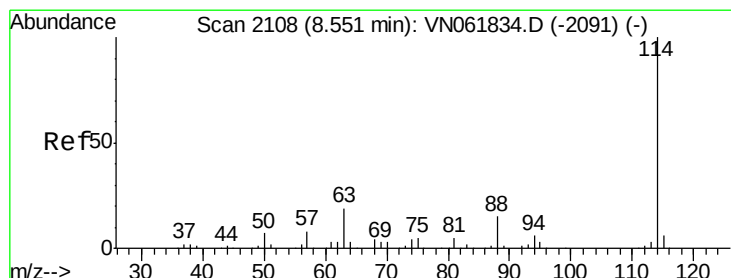
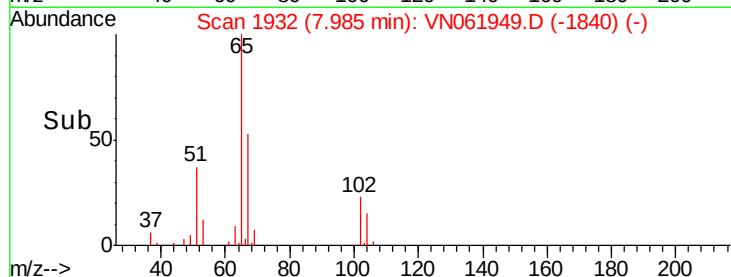
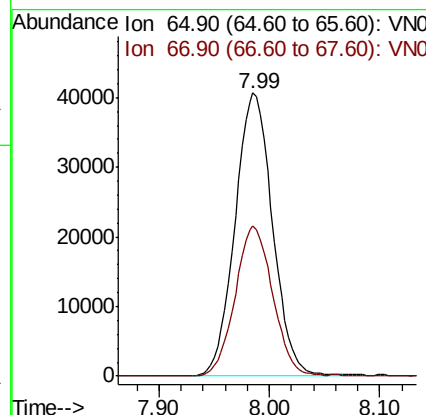
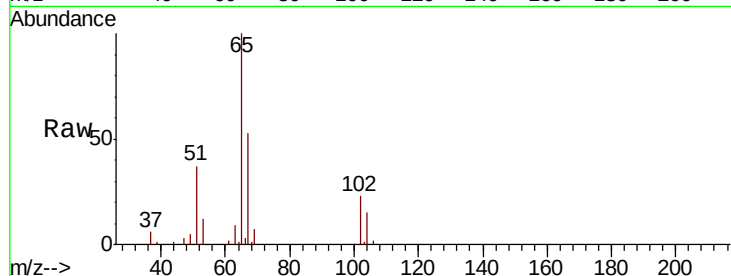




#33
 1,2-Dichloroethane-d4
 Concen: 48.686 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061949.D
 Acq: 19 Jun 2020 14:01

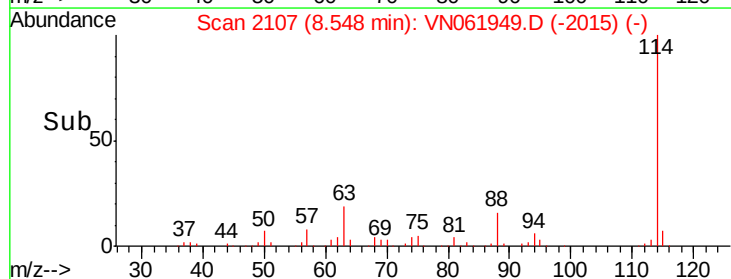
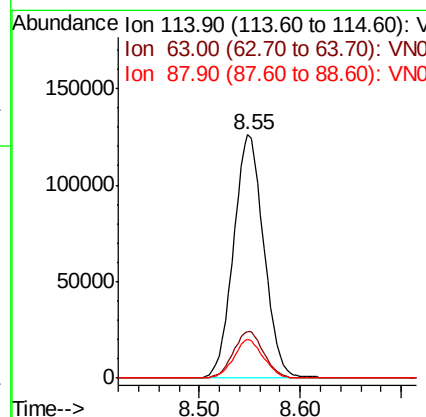
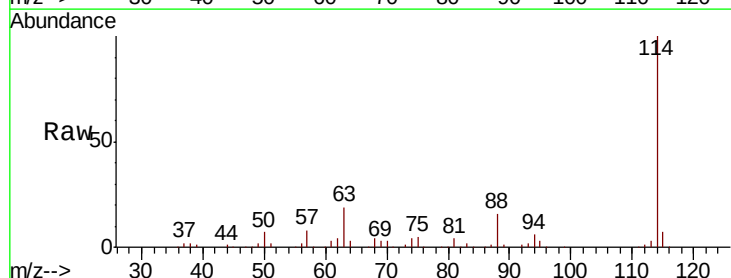
Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20200612DL

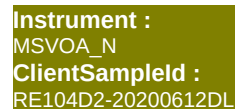
Tot Ion: 65 Resp: 95859
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2



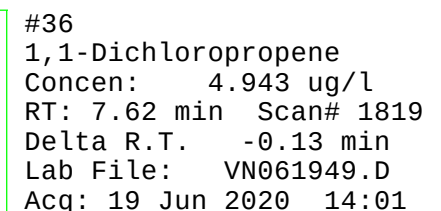
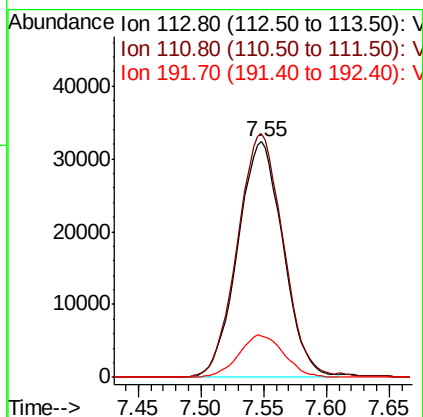
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061949.D
 Acq: 19 Jun 2020 14:01

Tgt Ion: 114 Resp: 263324
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.6
 88 16.0 0.0 31.0

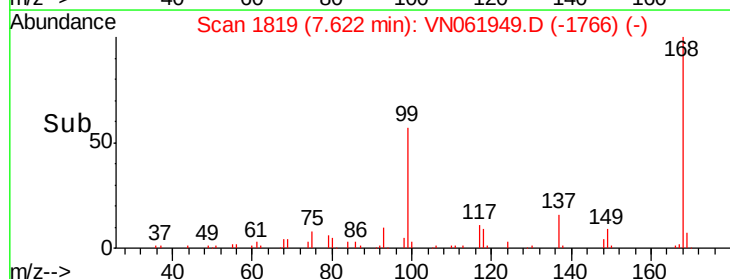
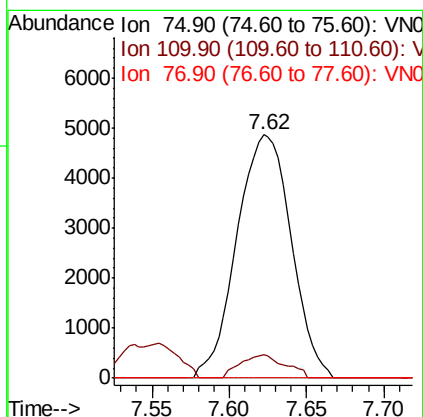


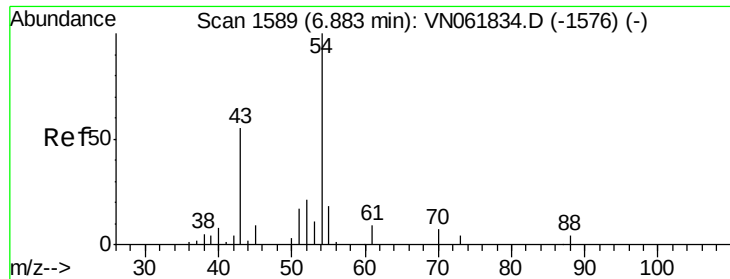


Tqt	Ion:113	Resp:	81620
Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.7	125.5
192	17.9	13.9	20.9



Tgt	Ion: 75	Resp:	11873
Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.2	54.6#
77	0.0	24.2	36.4#





#37

Ethyl Acetate

Concen: 0.484 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.08 min

Lab File: VN061949.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20200612DL

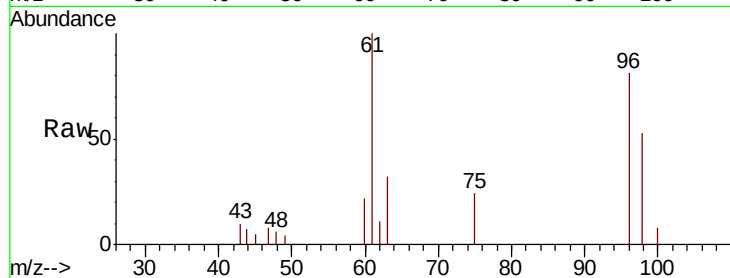
Tot Ion: 43 Resp: 907

Ion Ratio Lower Upper

43 100

61 2248.0 13.0 19.4#

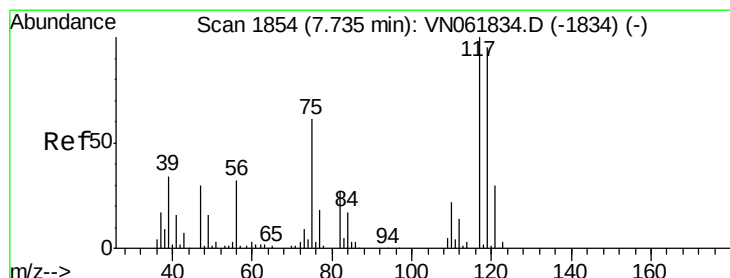
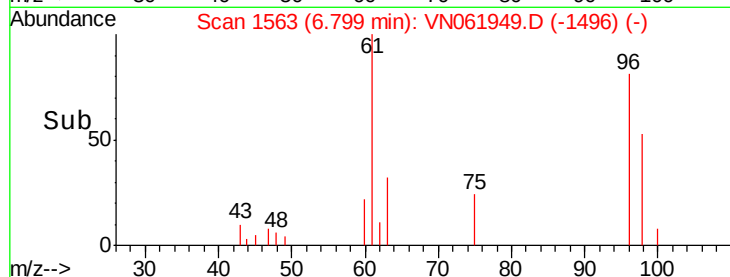
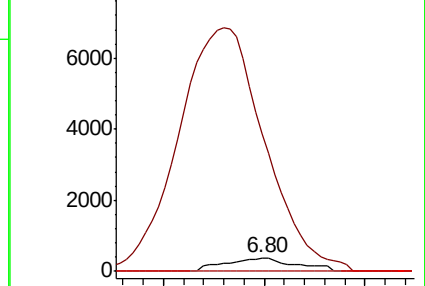
70 0.0 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-1576) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-1576) (-)

Ion 70.00 (69.70 to 70.70): VN061834.D (-1576) (-)



#38

Carbon Tetrachloride

Concen: 6.238 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN061949.D

Acq: 19 Jun 2020 14:01

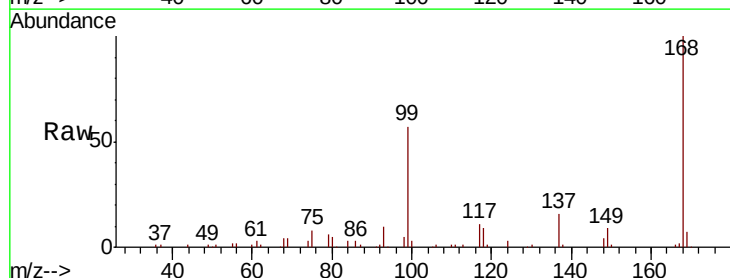
Tgt Ion: 117 Resp: 14836

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

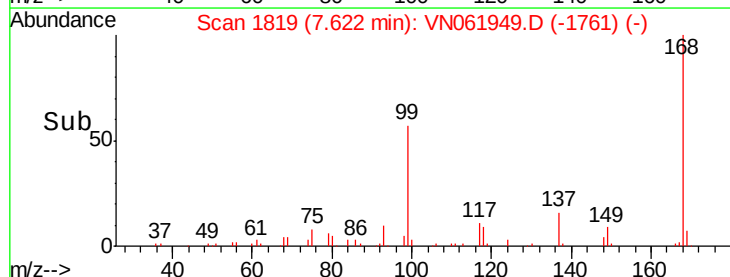
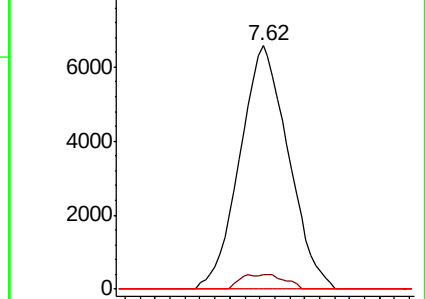
121 0.0 23.8 35.6#

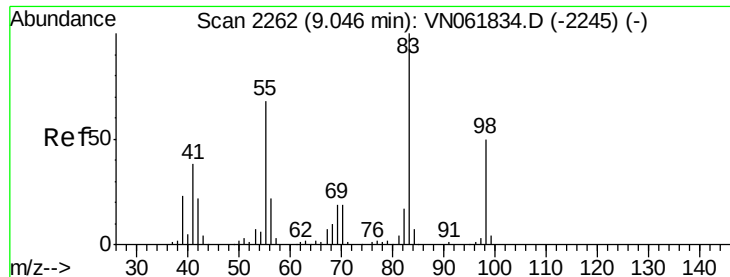


Abundance Ion 116.80 (116.50 to 117.50): VN061834.D (-1834) (-)

Ion 118.80 (118.50 to 119.50): VN061834.D (-1834) (-)

Ion 120.80 (120.50 to 121.50): VN061834.D (-1834) (-)

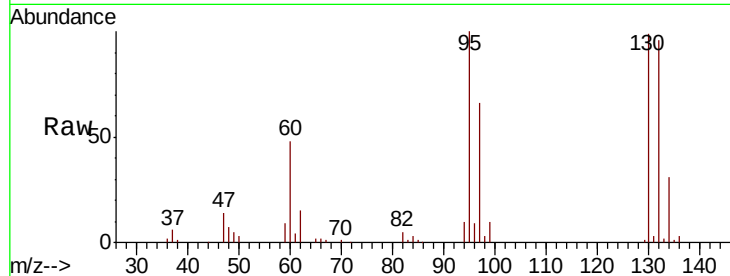




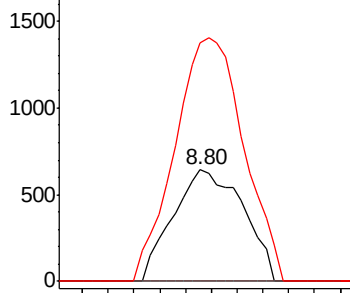
#39
Methylcyclohexane
Concen: 0.473 ug/l
RT: 8.80 min Scan# 2184
Delta R.T. -0.25 min
Lab File: VN061949.D
Acq: 19 Jun 2020 14:01

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20200612DL

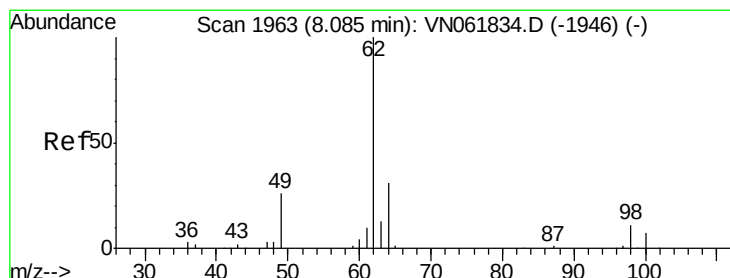
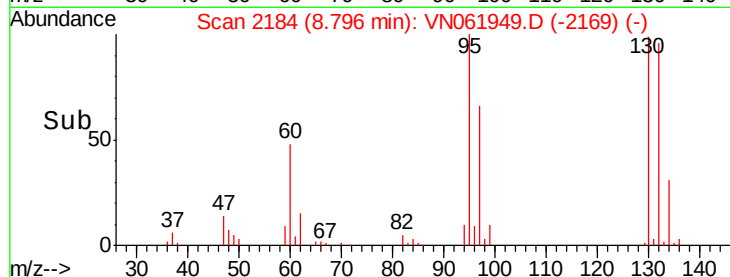
Tot Ion: 83 Resp: 1222
Ion Ratio Lower Upper
83 100
55 0.0 54.2 81.4#
98 214.5 39.8 59.6#



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

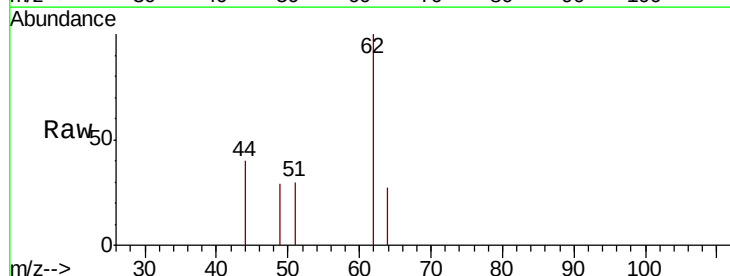


Time-->

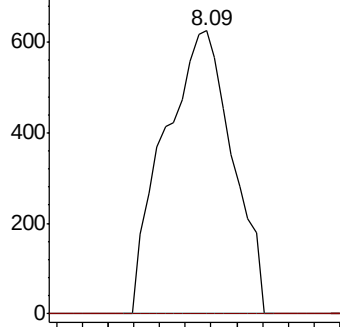


#42
1,2-Dichloroethane
Concen: 0.463 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061949.D
Acq: 19 Jun 2020 14:01

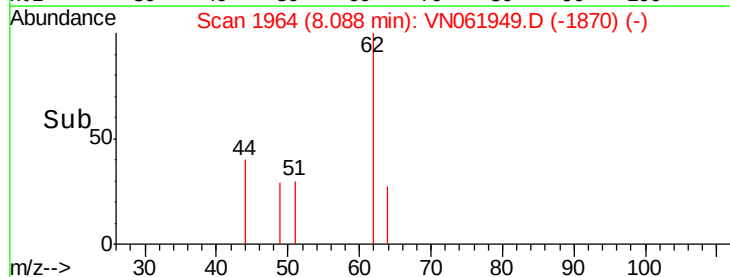
Tgt Ion: 62 Resp: 1149
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.4

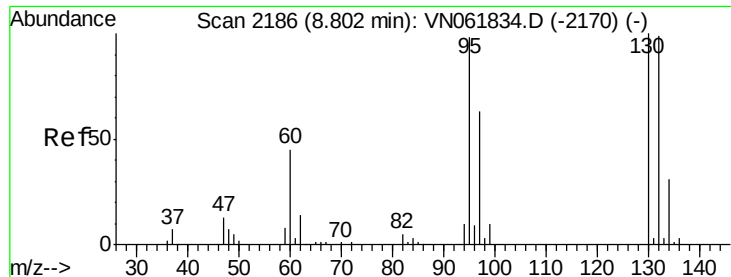


Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



Time-->





#44

Trichloroethene

Concen: 54.603 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061949.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

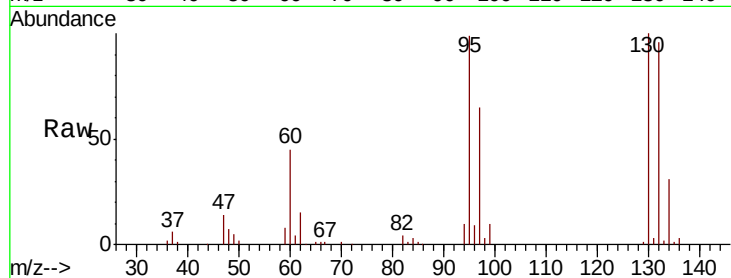
RE104D2-20200612DL

Tot Ion:130 Resp: 104551

Ion Ratio Lower Upper

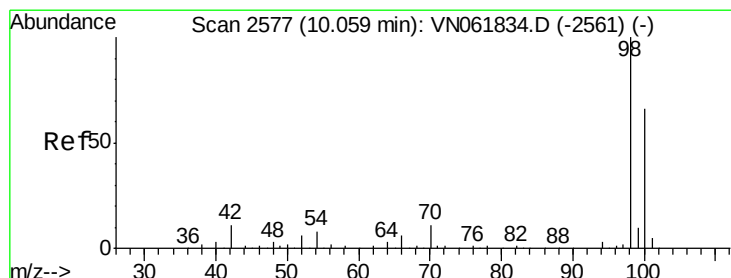
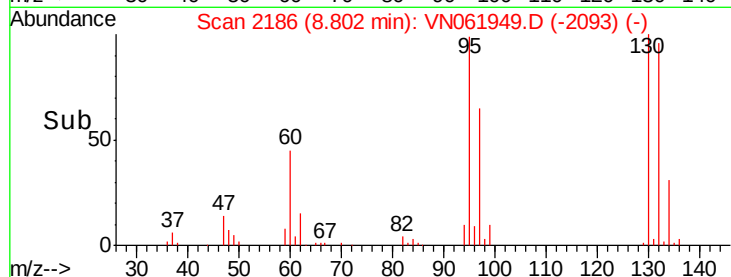
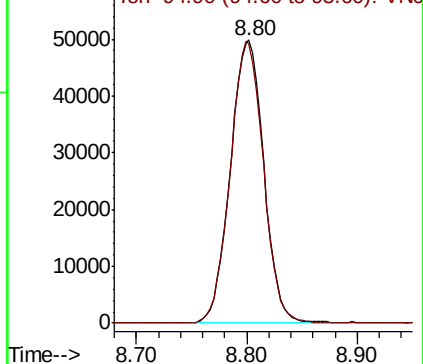
130 100

95 98.6 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 49.997 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061949.D

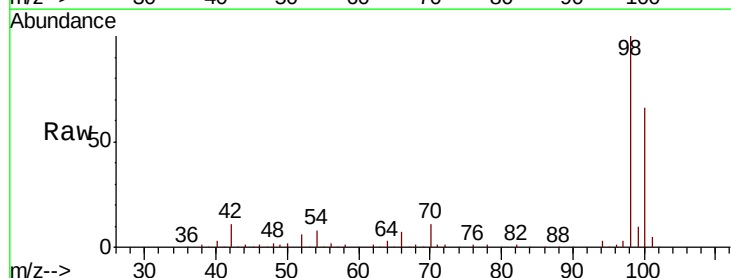
Acq: 19 Jun 2020 14:01

Tgt Ion: 98 Resp: 331127

Ion Ratio Lower Upper

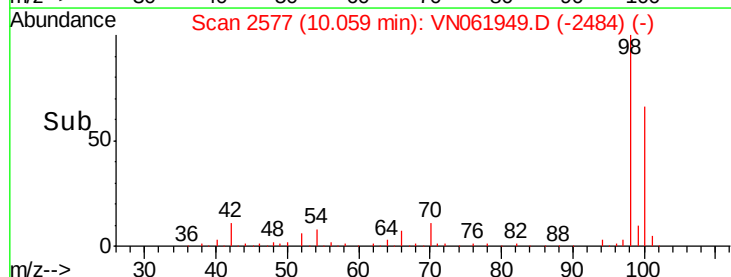
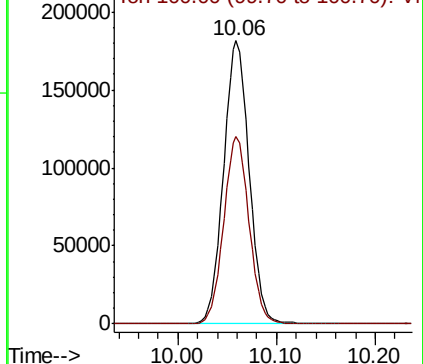
98 100

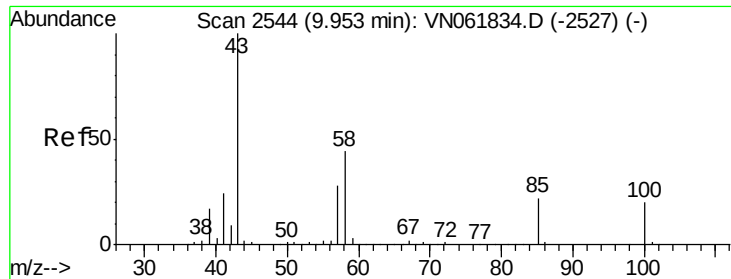
100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

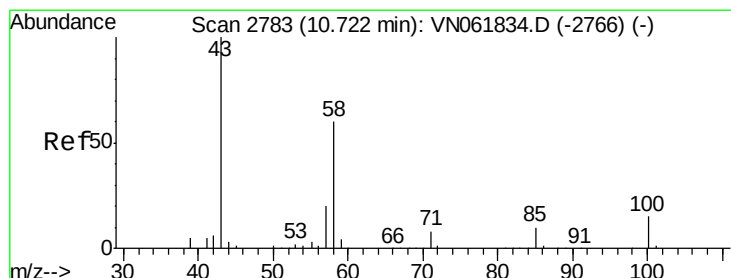
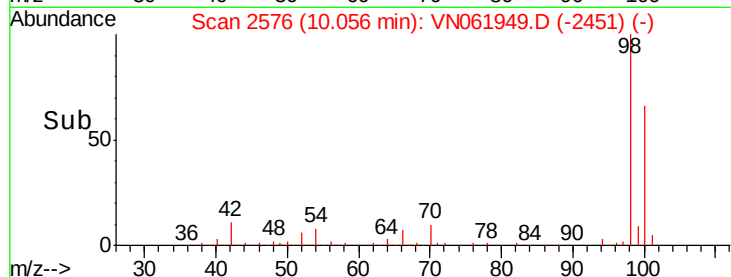
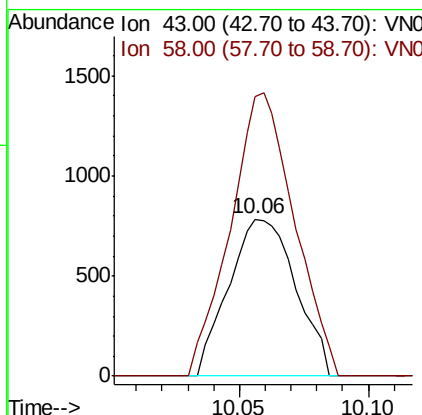
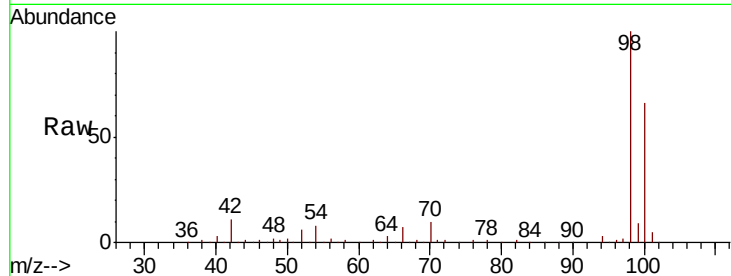




#51
 4-Methyl-2-Pentanone
 Concen: 0.759 ug/l
 RT: 10.06 min Scan# 2576
 Delta R.T. 0.10 min
 Lab File: VN061949.D
 Acq: 19 Jun 2020 14:01

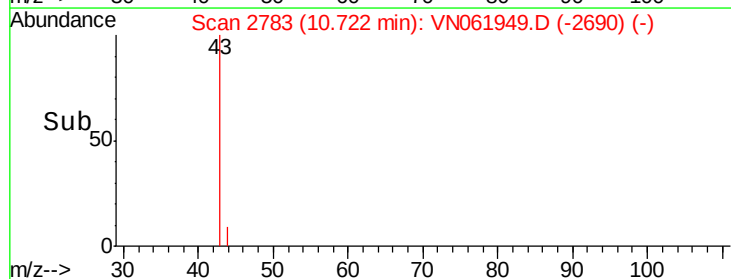
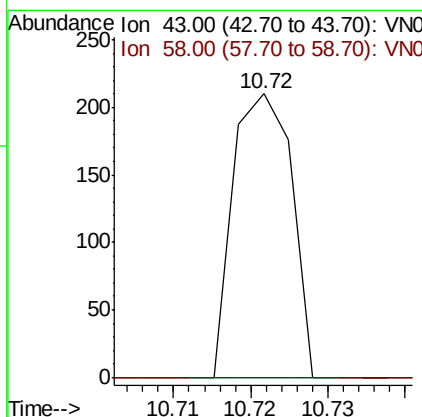
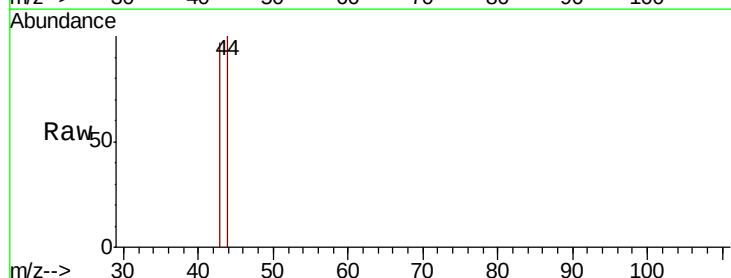
Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20200612DL

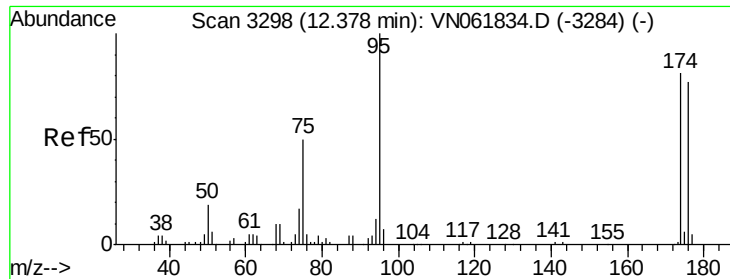
Tot Ion: 43 Resp: 1418
 Ion Ratio Lower Upper
 43 100
 58 172.1 34.6 52.0#



#59
 2-Hexanone
 Concen: 13.477 ug/l
 RT: 10.72 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VN061949.D
 Acq: 19 Jun 2020 14:01

Tgt Ion: 43 Resp: 111
 Ion Ratio Lower Upper
 43 100
 58 0.0 30.1 90.5#

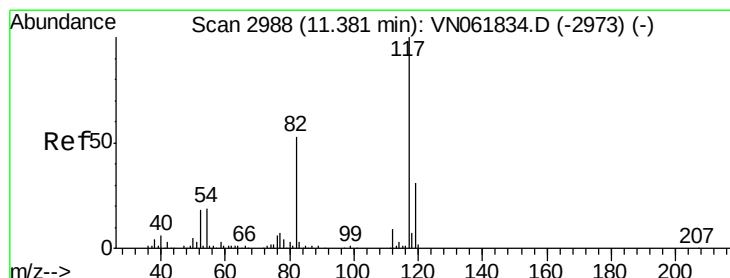
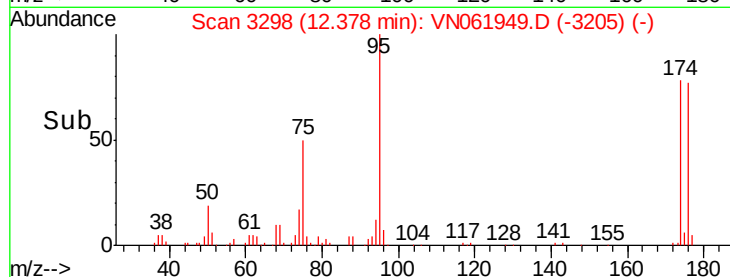
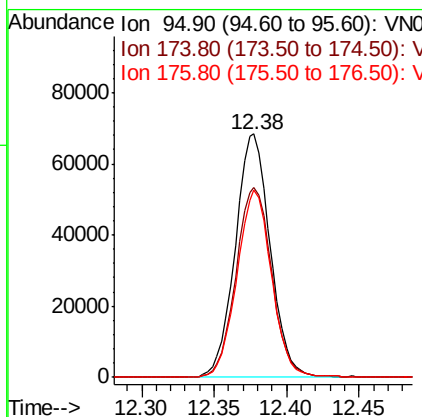
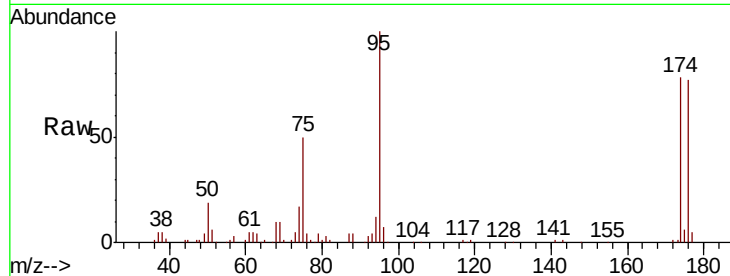




#62
 4-Bromofluorobenzene
 Concen: 50.373 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061949.D
 Acq: 19 Jun 2020 14:01

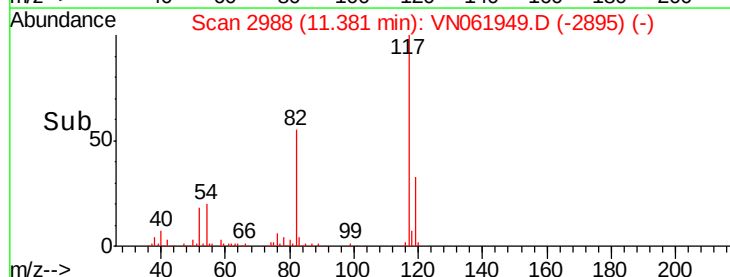
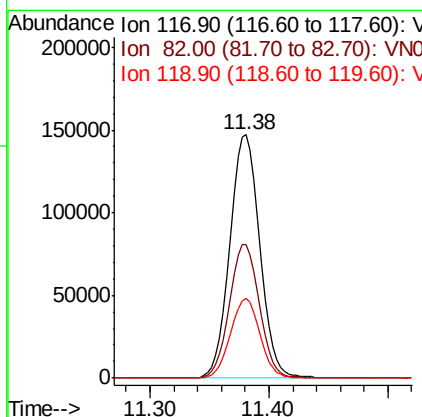
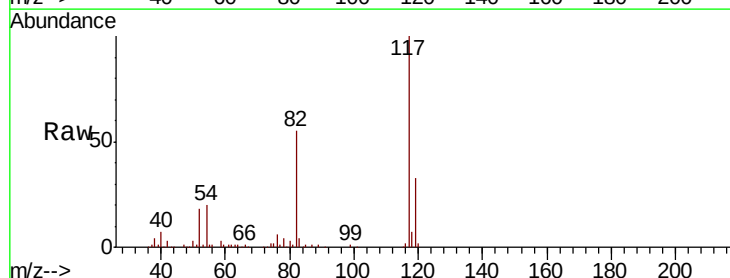
Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20200612DL

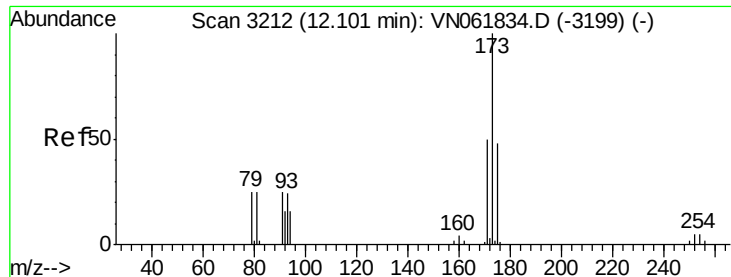
Tot Ion: 95 Resp: 114436
 Ion Ratio Lower Upper
 95 100
 174 80.1 0.0 158.6
 176 76.5 0.0 152.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN061949.D
 Acq: 19 Jun 2020 14:01

Tgt Ion: 117 Resp: 257139
 Ion Ratio Lower Upper
 117 100
 82 54.7 42.6 64.0
 119 32.7 24.7 37.1





#71

Bromoform

Concen: 0.545 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061949.D

Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20200612DL

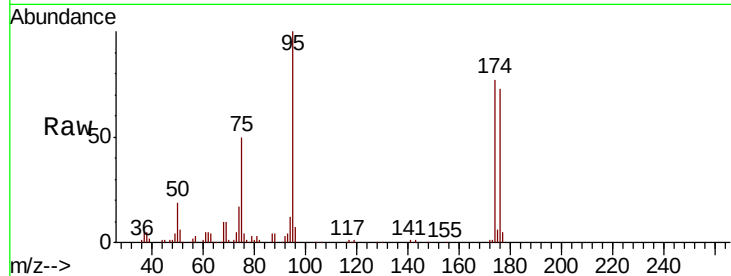
Tot Ion:173 Resp: 752

Ion Ratio Lower Upper

173 100

175 750.1 23.9 71.7#

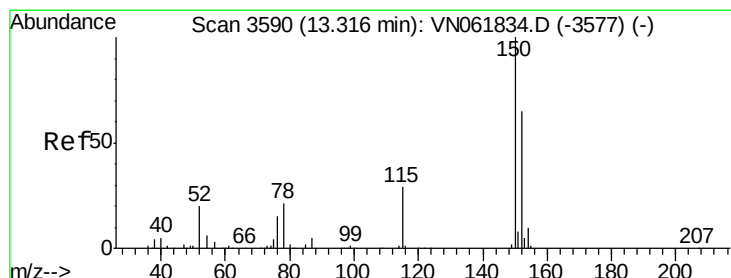
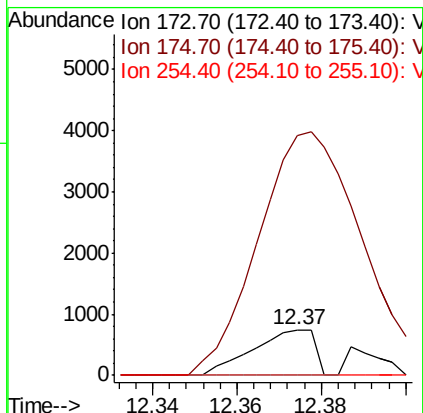
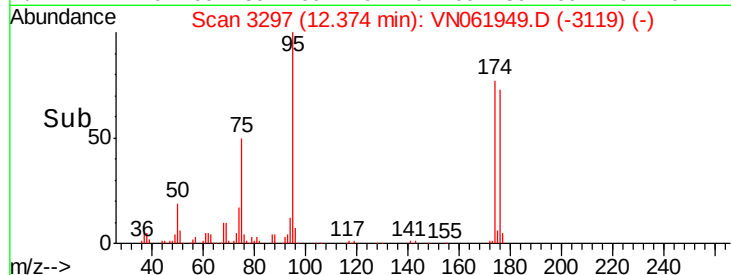
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061949.D

Acq: 19 Jun 2020 14:01

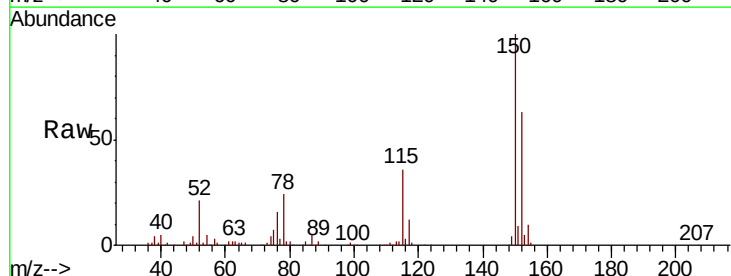
Tgt Ion:152 Resp: 106615

Ion Ratio Lower Upper

152 100

115 58.5 29.1 87.3

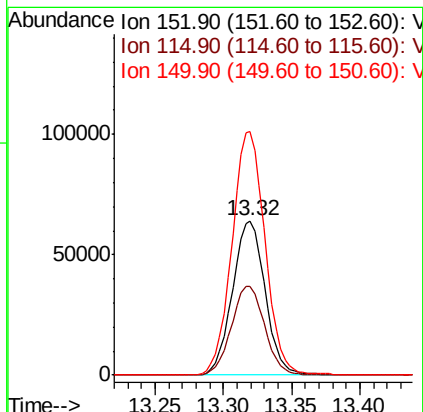
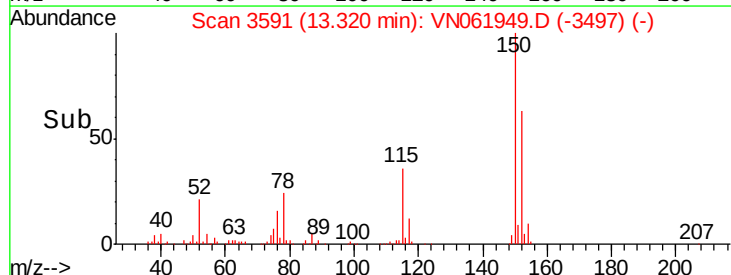
150 159.8 0.0 347.6

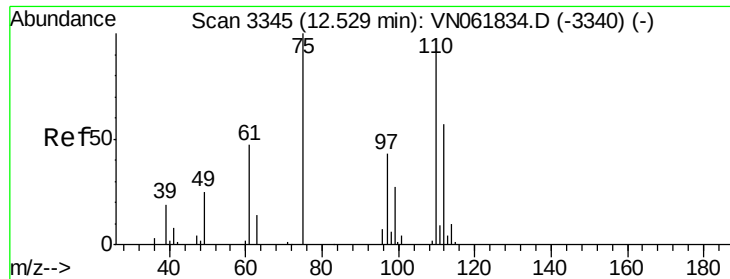


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

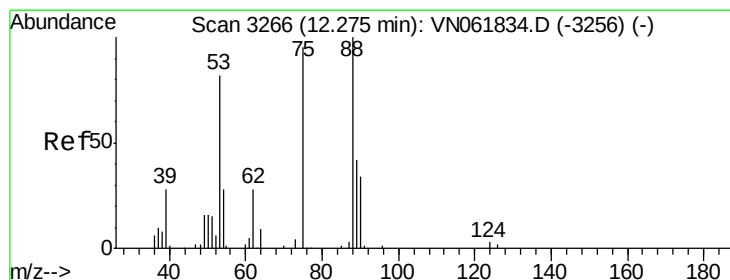
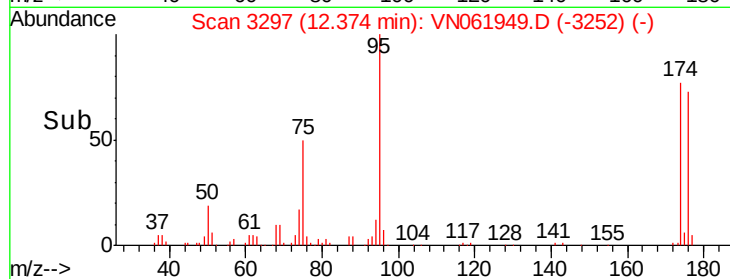
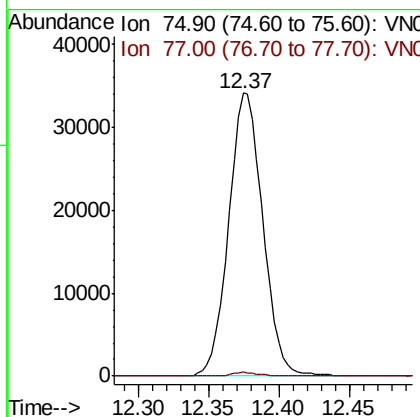
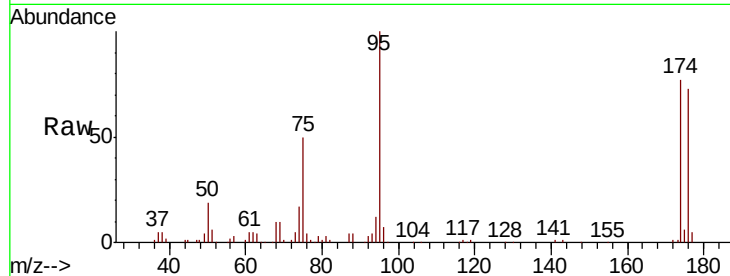




#76
 1,2,3-Trichloropropane
 Concen: 27.615 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.15 min
 Lab File: VN061949.D
 Acq: 19 Jun 2020 14:01

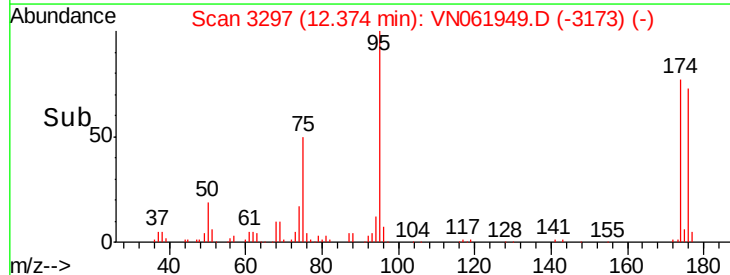
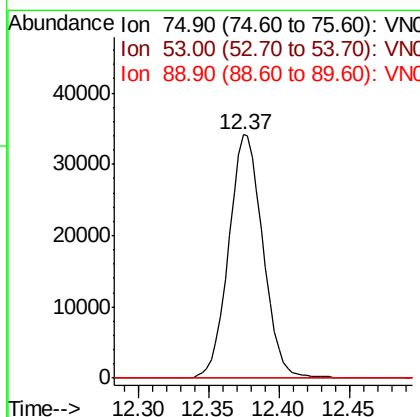
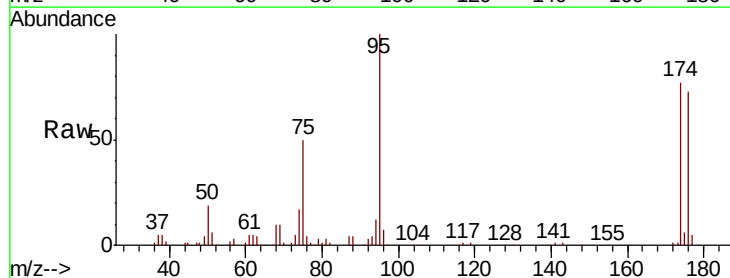
Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20200612DL

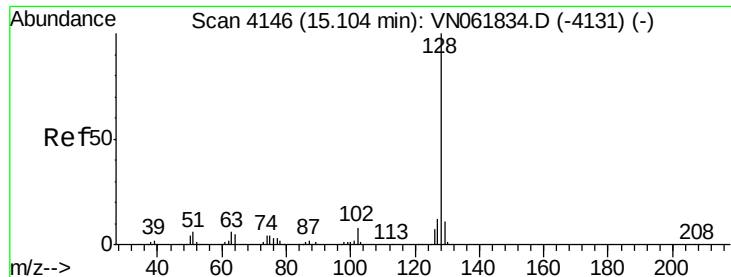
Tot Ion: 75 Resp: 57802
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.318 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN061949.D
 Acq: 19 Jun 2020 14:01

Tgt Ion: 75 Resp: 57802
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 3.539 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061949.D

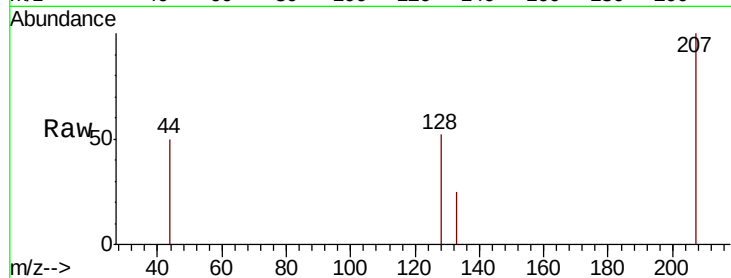
Acq: 19 Jun 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20200612DL



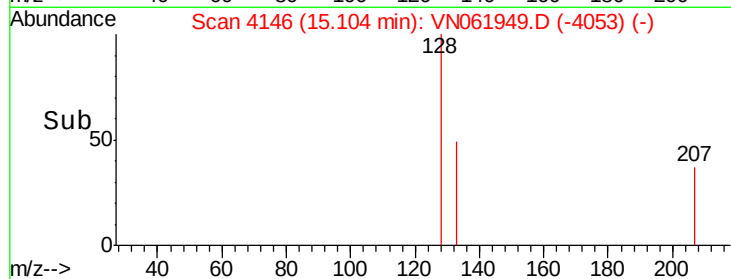
Tot Ion:128 Resp: 316

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 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

