

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061898.D
 Acq On : 18 Jun 2020 14:26
 Operator : JC/MD
 Sample : L3011-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D1-20200612

Quant Time: Jun 19 05:26:10 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	7.63	168	130429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	237525	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	227565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83526	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	88255	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
35) Dibromofluoromethane	7.55	113	78602	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	
50) Toluene-d8	10.06	98	297228	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.38	95	94415	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	

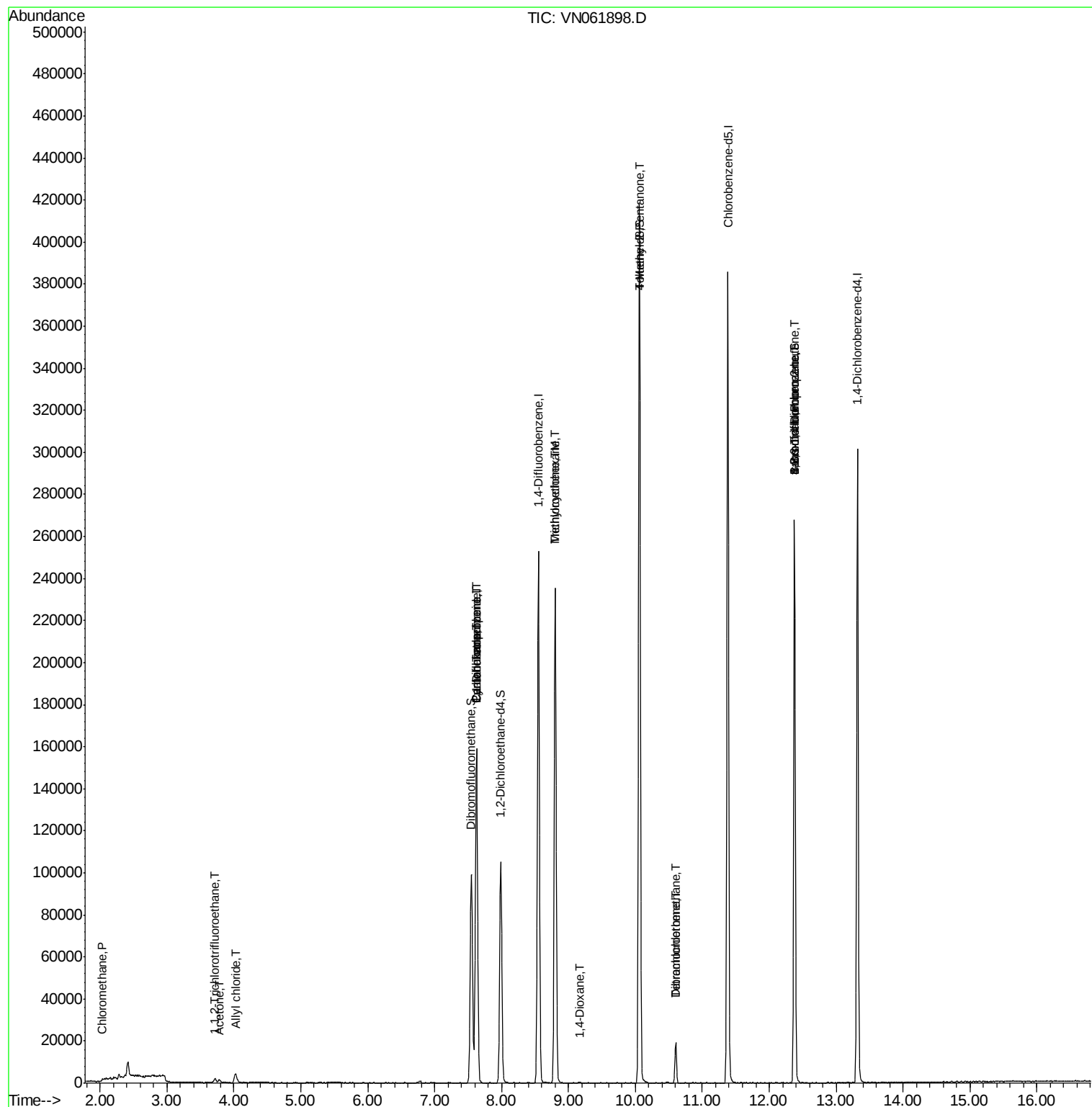
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	447	0.247	ug/l #	26
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1616	1.222	ug/l #	67
14) Allyl chloride	4.02	41	461	0.262	ug/l #	65
16) Acetone	3.78	43	2459	4.759	ug/l	90
31) Cyclohexane	7.63	56	2814	1.221	ug/l #	20
36) 1,1-Dichloropropene	7.63	75	10197	4.707	ug/l #	46
38) Carbon Tetrachloride	7.63	117	12620	5.882	ug/l #	18
39) Methylcyclohexane	8.80	83	944	0.405	ug/l #	1
44) Trichloroethene	8.80	130	87628	50.735	ug/l	100
49) 1,4-Dioxane	9.17	88	268	9.003	ug/l #	28
51) 4-Methyl-2-Pentanone	10.06	43	1058	0.628	ug/l #	1
60) Dibromochloromethane	10.60	129	4480	2.476	ug/l #	11
64) Tetrachloroethene	10.60	164	4456	3.072	ug/l	95
71) Bromoform	12.38	173	719	0.589	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	47746	29.117	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	47746	79.413	ug/l #	14

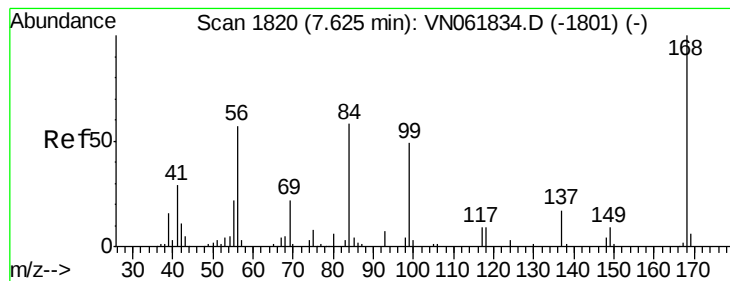
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

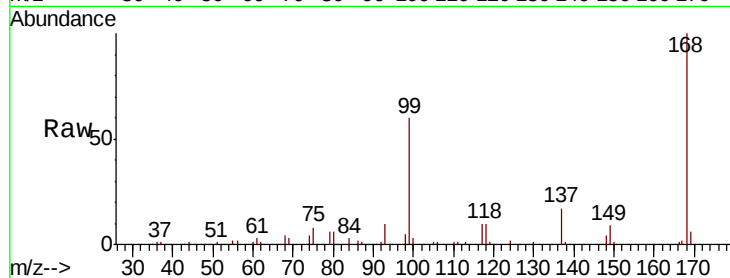
RE104D1-20200612

Tot Ion:168 Resp: 130429

Ion Ratio Lower Upper

168 100

99 59.9 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

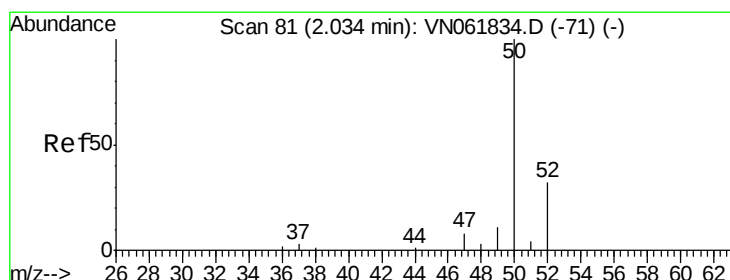
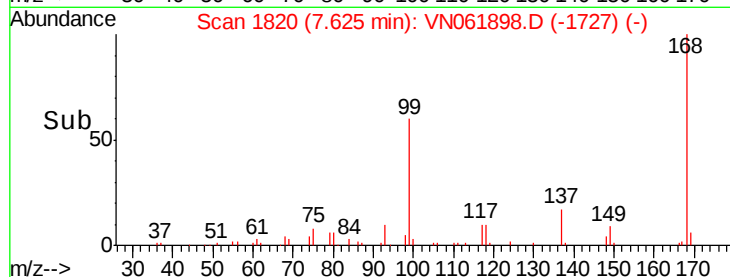
30000

20000

10000

0

Time-->



#3

Chloromethane

Concen: 0.247 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061898.D

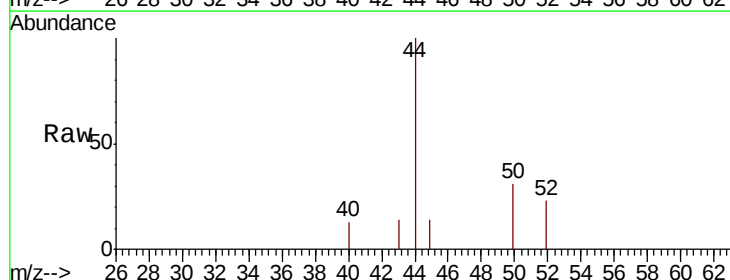
Acq: 18 Jun 2020 14:26

Tgt Ion: 50 Resp: 447

Ion Ratio Lower Upper

50 100

52 74.1 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

400

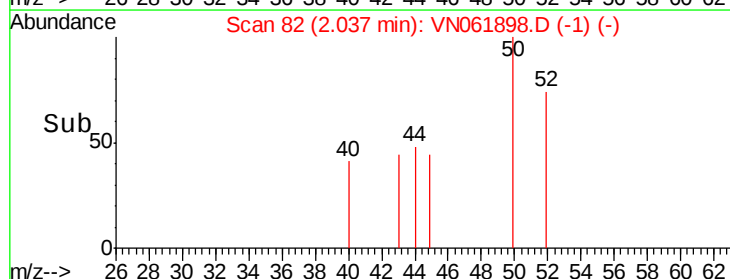
300

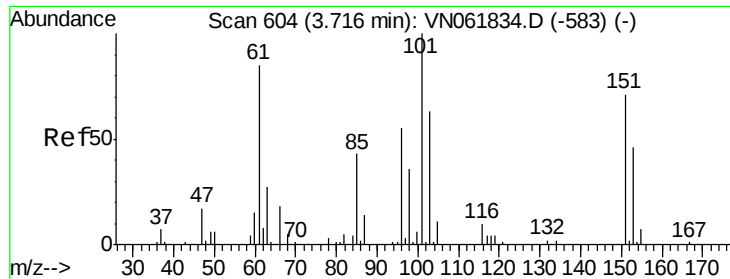
200

100

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.222 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

RE104D1-20200612

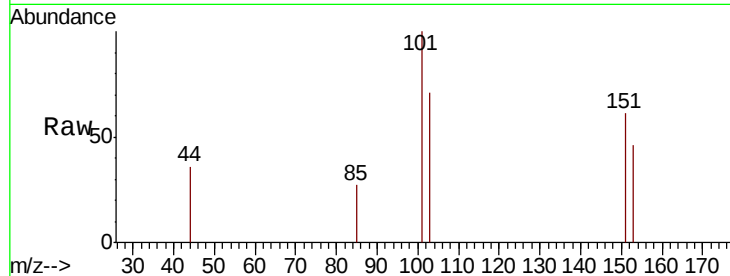
Tot Ion:101 Resp: 1616

Ion Ratio Lower Upper

101 100

85 14.4 35.0 52.6#

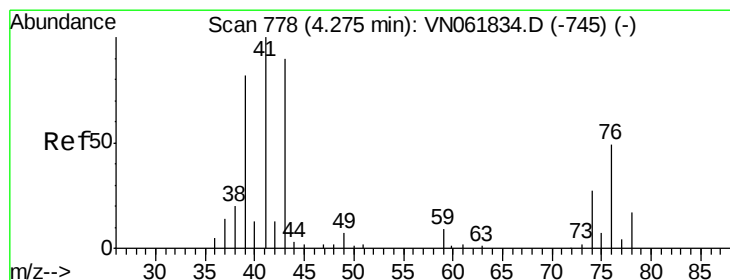
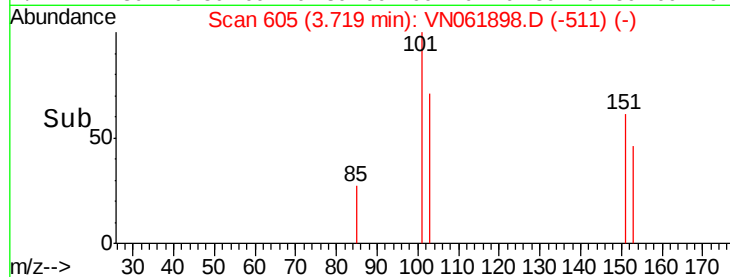
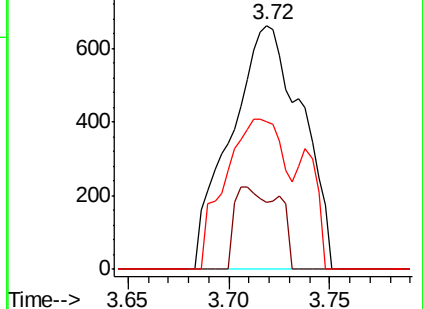
151 52.0 59.2 88.8#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#14

Allyl chloride

Concen: 0.262 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.25 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

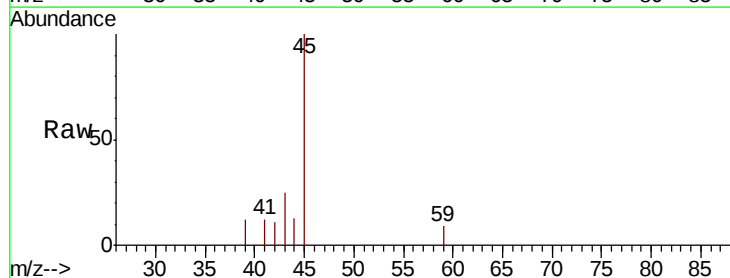
Tgt Ion: 41 Resp: 461

Ion Ratio Lower Upper

41 100

39 121.5 60.2 90.2#

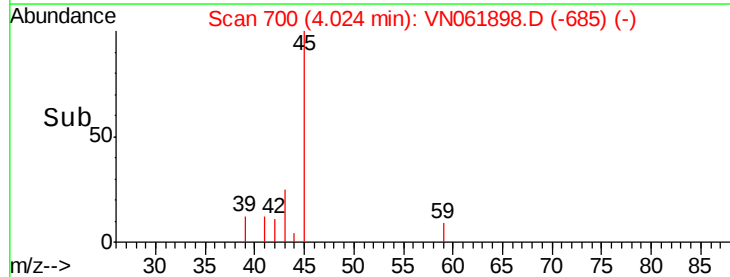
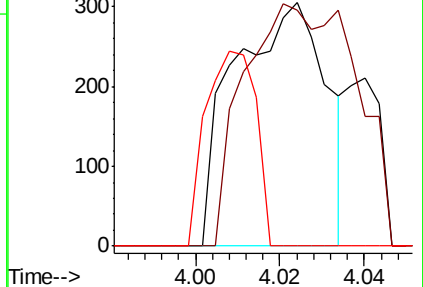
76 43.4 36.3 54.5

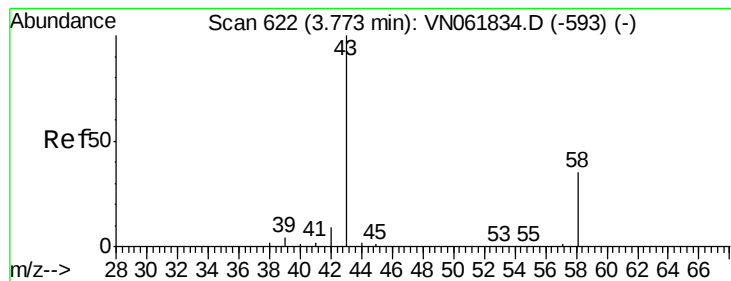


Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN





#16

Acetone

Concen: 4.759 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

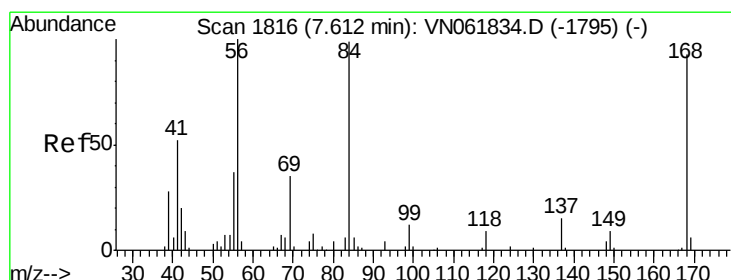
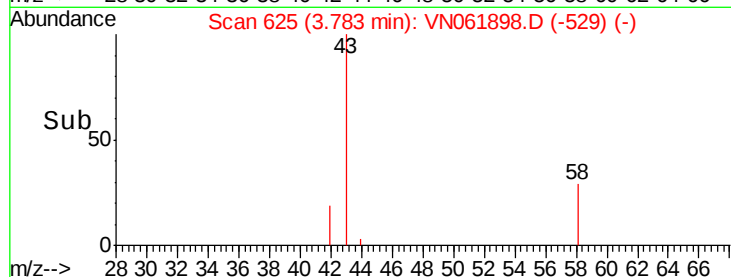
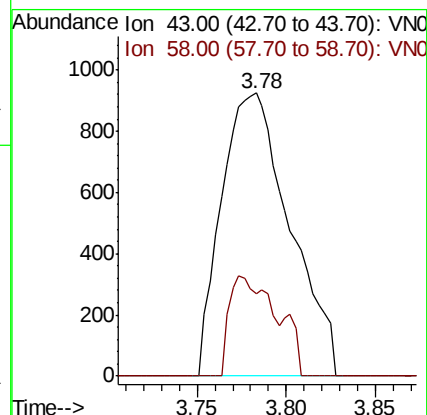
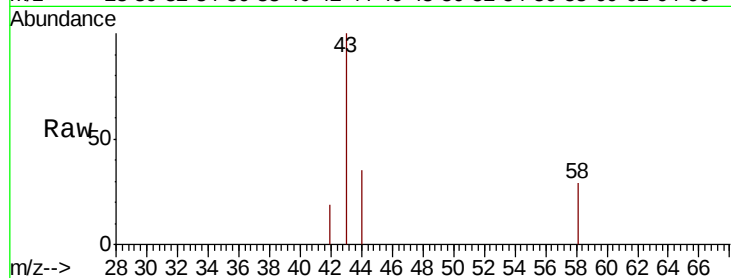
RE104D1-20200612

Tot Ion: 43 Resp: 2459

Ion Ratio Lower Upper

43 100

58 29.3 27.8 41.8



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

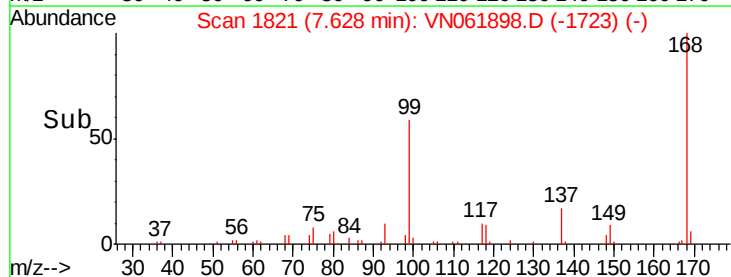
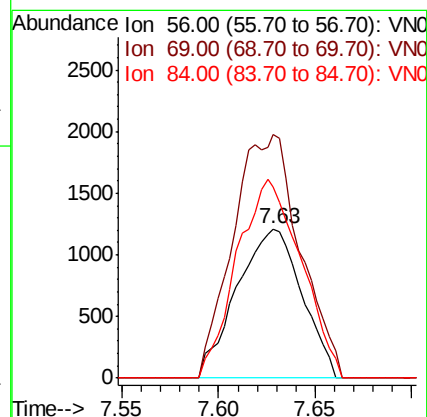
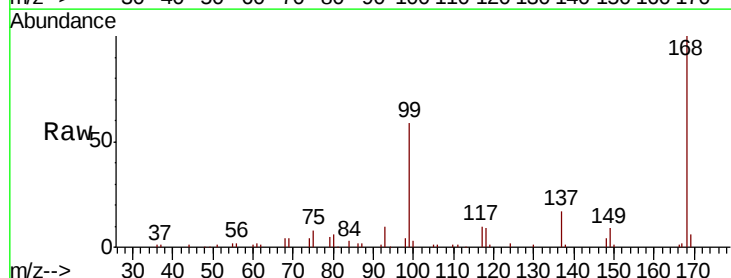
Tgt Ion: 56 Resp: 2814

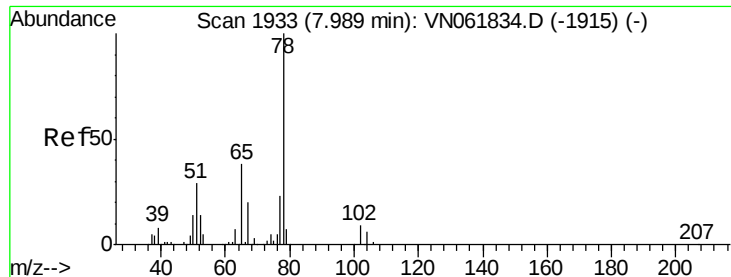
Ion Ratio Lower Upper

56 100

69 163.4 27.7 41.5#

84 128.1 79.1 118.7#





#33

1,2-Dichloroethane-d4

Concen: 50.453 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

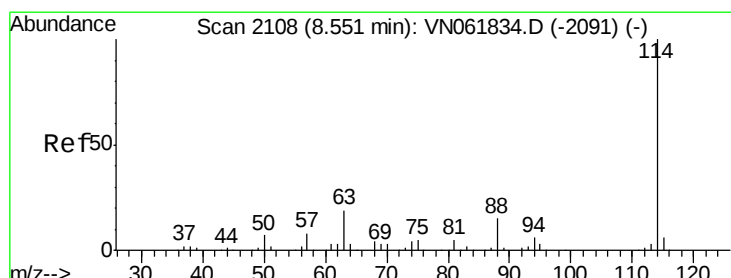
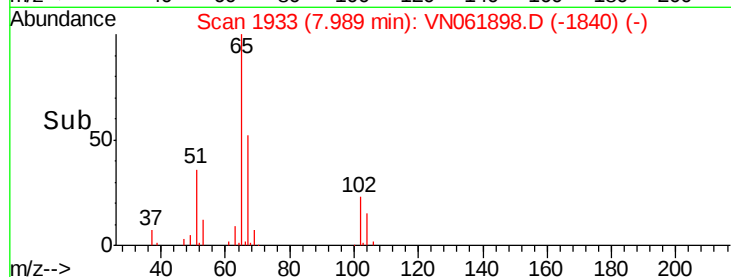
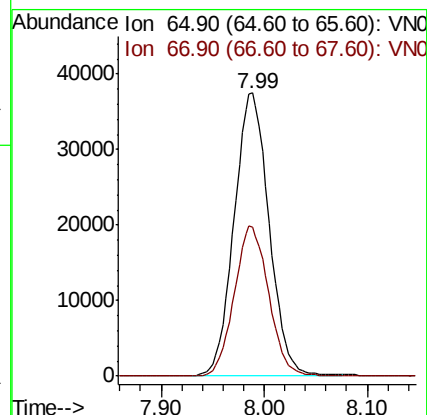
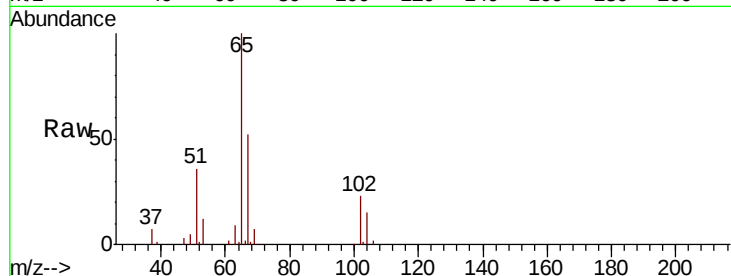
RE104D1-20200612

Tot Ion: 65 Resp: 88255

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

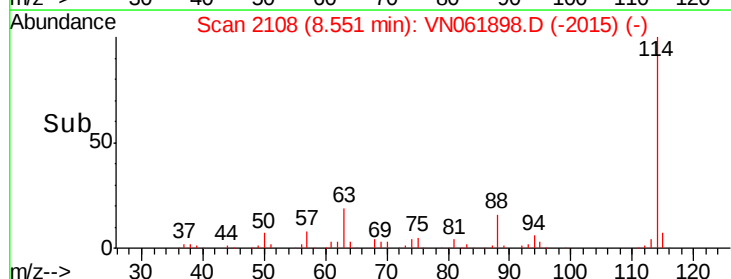
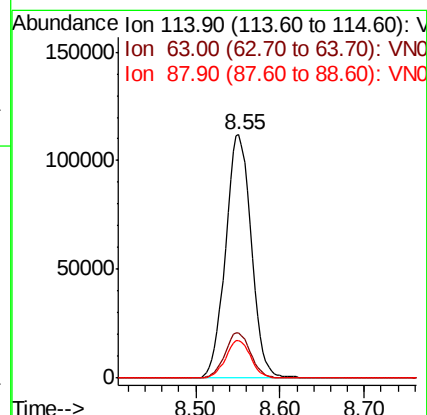
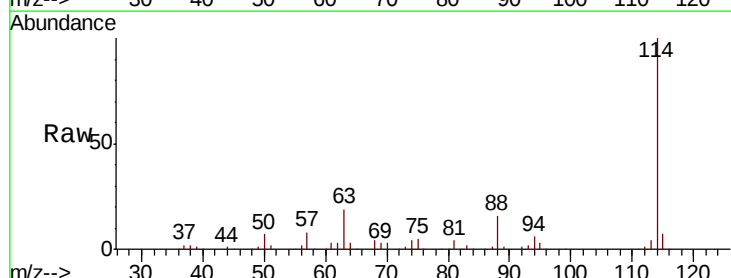
Tgt Ion: 114 Resp: 237525

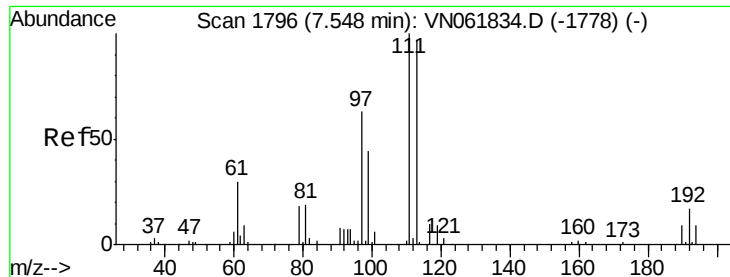
Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.6

88 15.5 0.0 31.0

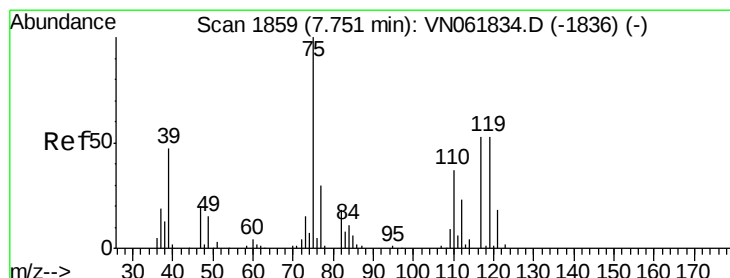
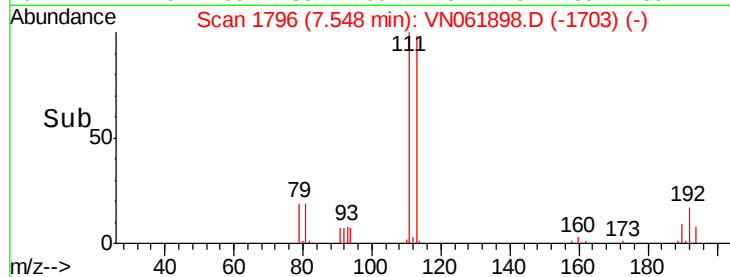
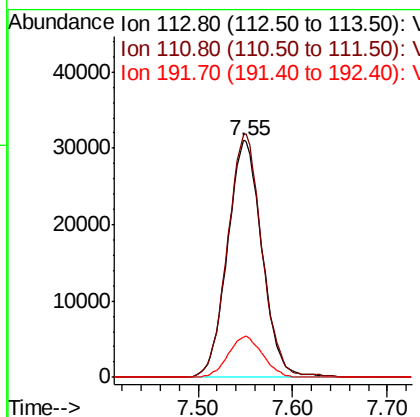
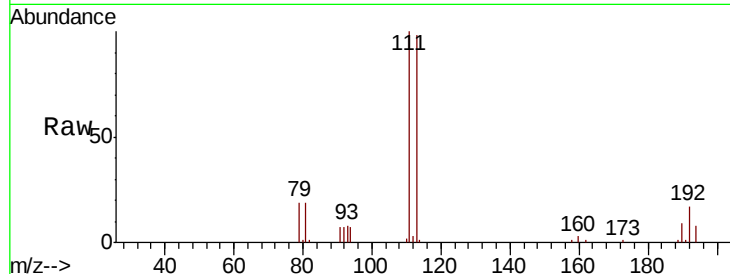




#35
 Dibromofluoromethane
 Concen: 51.727 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061898.D
 Acq: 18 Jun 2020 14:26

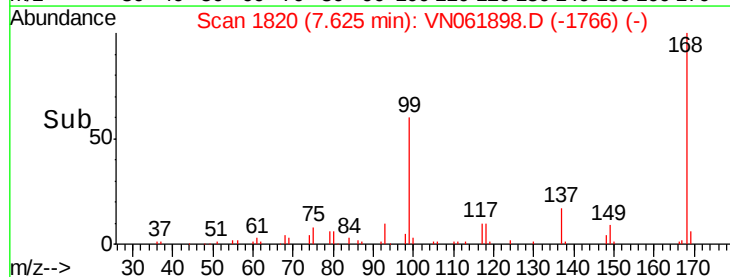
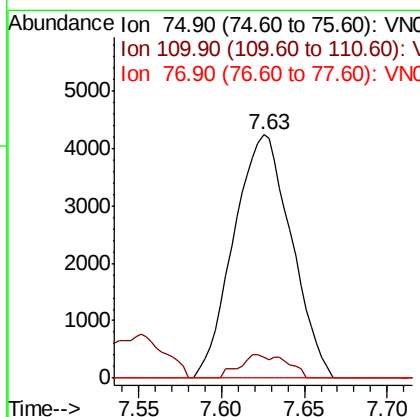
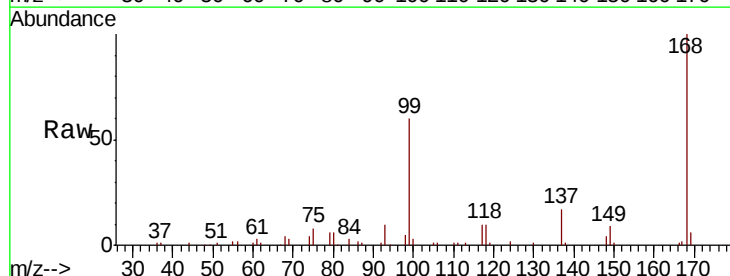
Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D1-20200612

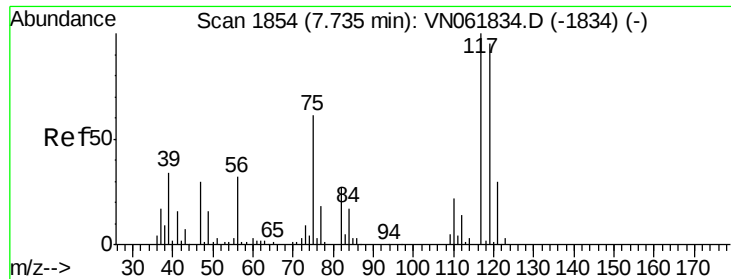
Tot Ion:113 Resp: 78602
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.7 125.5
 192 17.1 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.707 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061898.D
 Acq: 18 Jun 2020 14:26

Tgt Ion: 75 Resp: 10197
 Ion Ratio Lower Upper
 75 100
 110 4.8 18.2 54.6#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.882 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

RE104D1-20200612

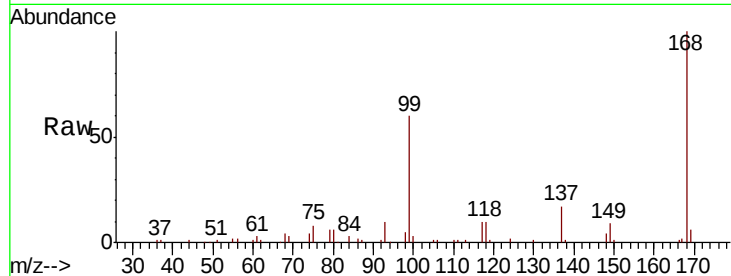
Tot Ion:117 Resp: 12620

Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.6#

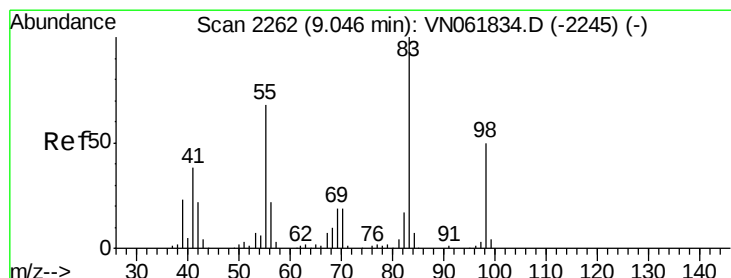
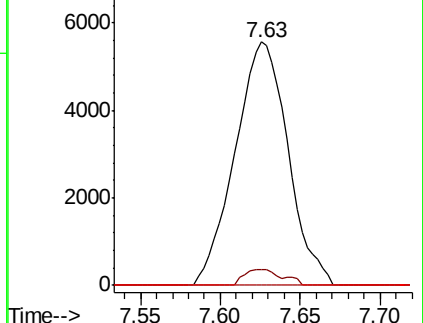
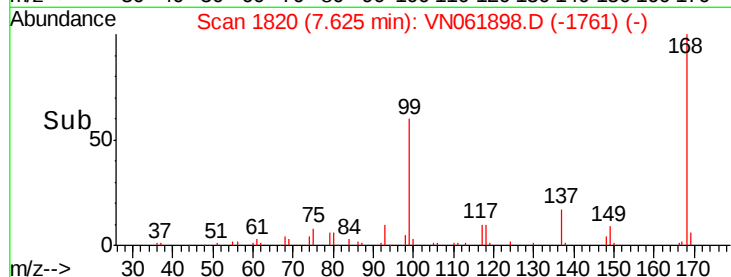
121 0.0 23.8 35.6#



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



#39

Methylcyclohexane

Concen: 0.405 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.25 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

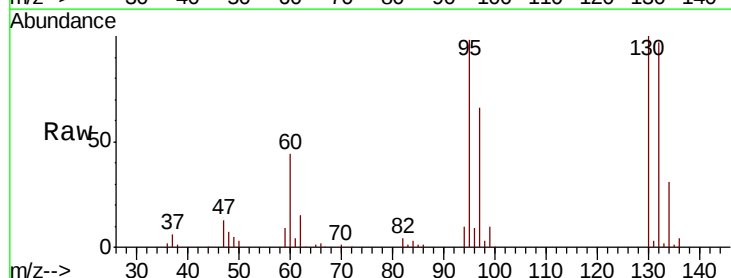
Tgt Ion: 83 Resp: 944

Ion Ratio Lower Upper

83 100

55 0.0 54.2 81.4#

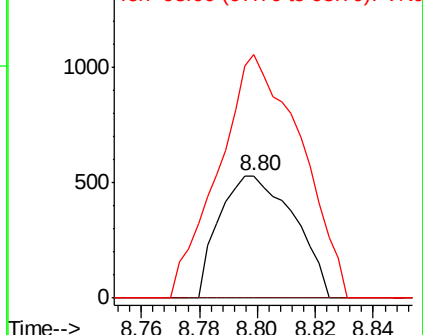
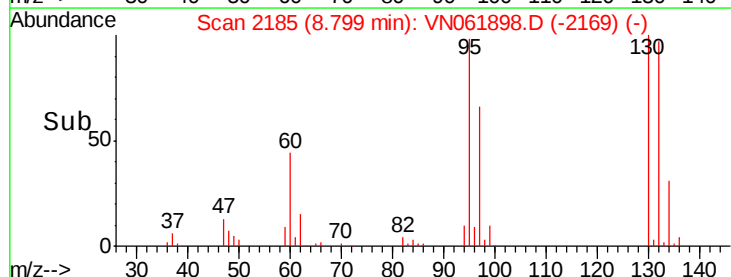
98 166.3 39.8 59.6#

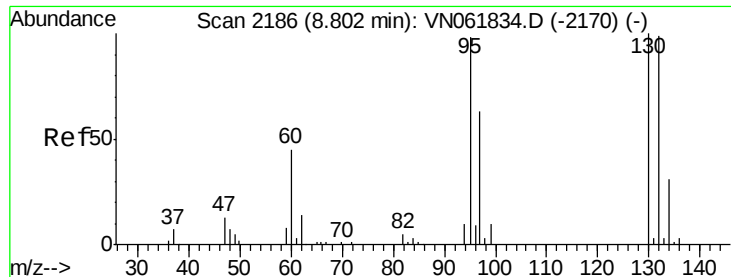


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#44

Trichloroethene

Concen: 50.735 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

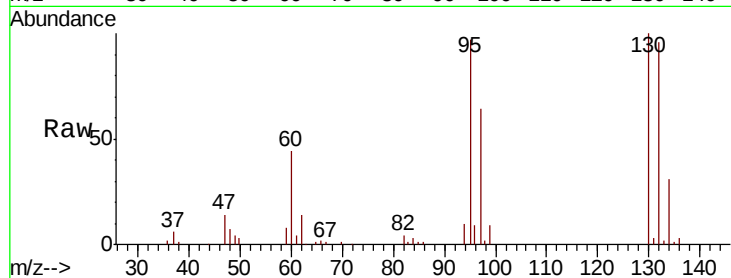
RE104D1-20200612

Tot Ion:130 Resp: 87628

Ion Ratio Lower Upper

130 100

95 97.5 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.80

40000

30000

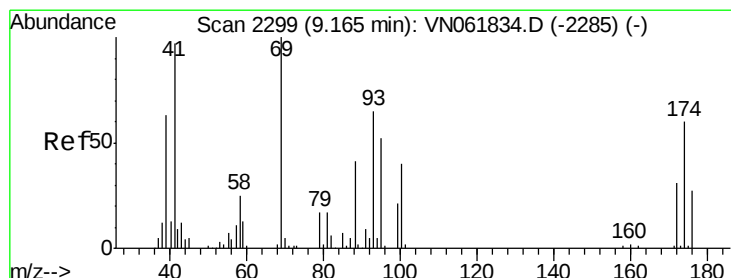
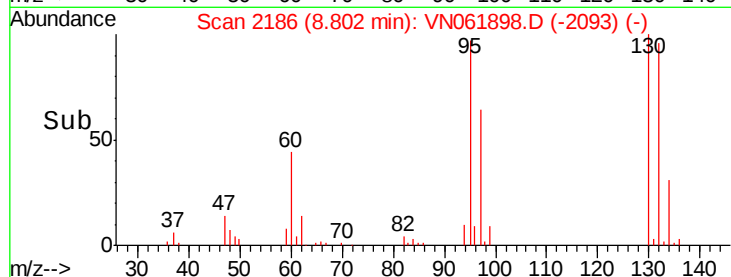
20000

10000

0

8.70 8.75 8.80 8.85 8.90

Time-->



#49

1,4-Dioxane

Concen: 9.003 ug/l

RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

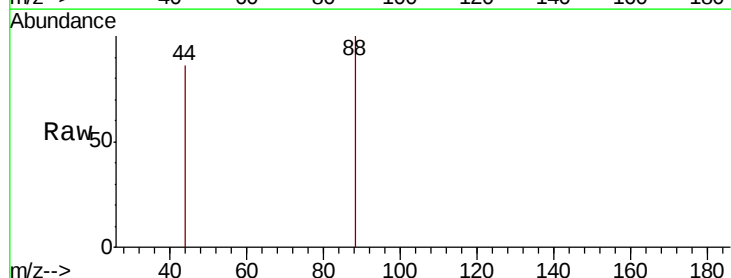
Tgt Ion: 88 Resp: 268

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 49.8 74.6#



Abundance Ion 88.00 (87.70 to 88.70): VN

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

9.17

300

250

200

150

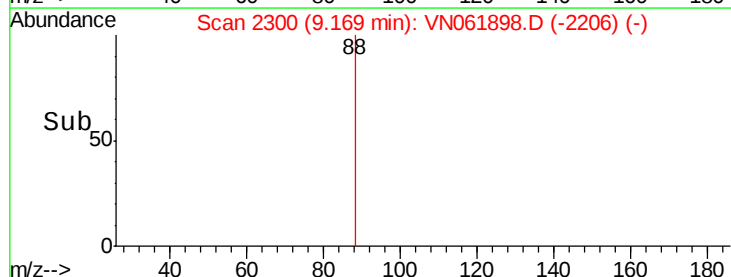
100

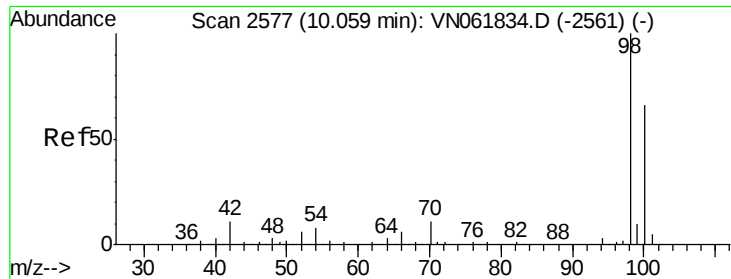
50

0

9.14 9.16 9.18

Time-->





#50

Toluene-d8

Concen: 49.753 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

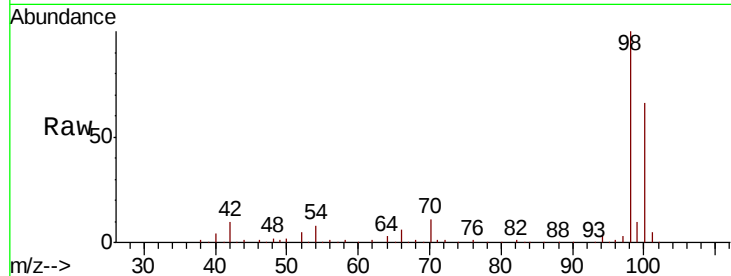
RE104D1-20200612

Tot Ion: 98 Resp: 297228

Ion Ratio Lower Upper

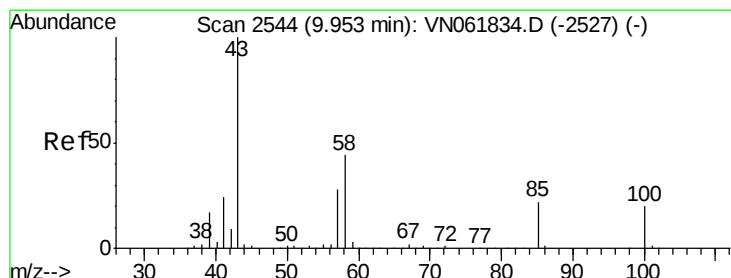
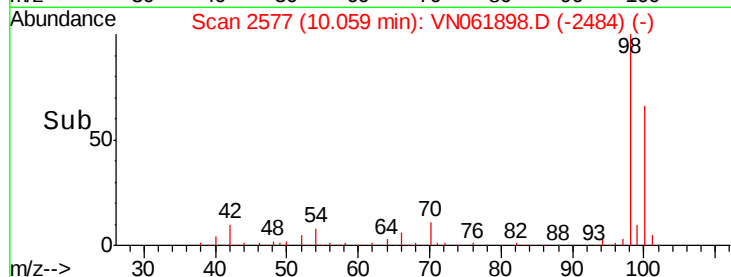
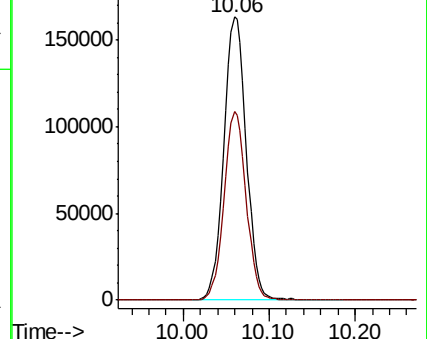
98 100

100 65.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.628 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061898.D

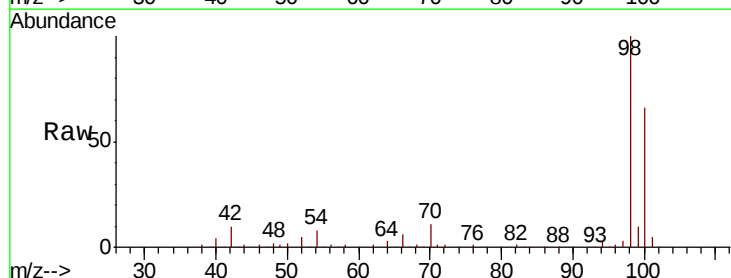
Acq: 18 Jun 2020 14:26

Tgt Ion: 43 Resp: 1058

Ion Ratio Lower Upper

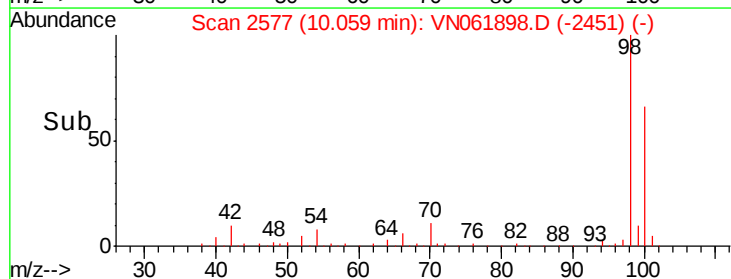
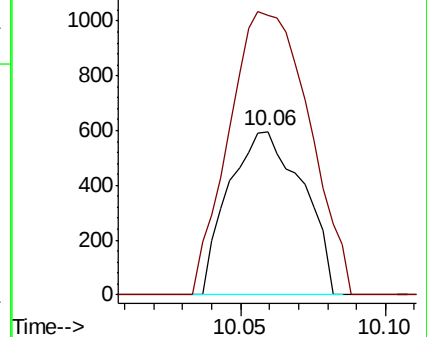
43 100

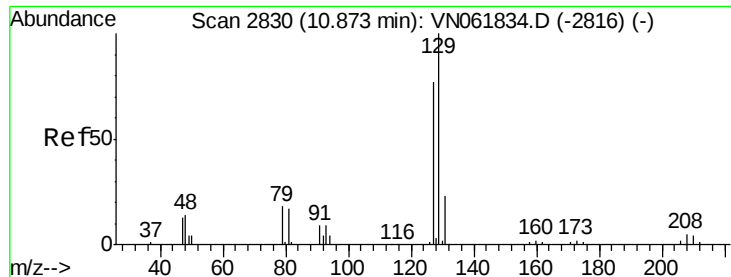
58 187.6 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

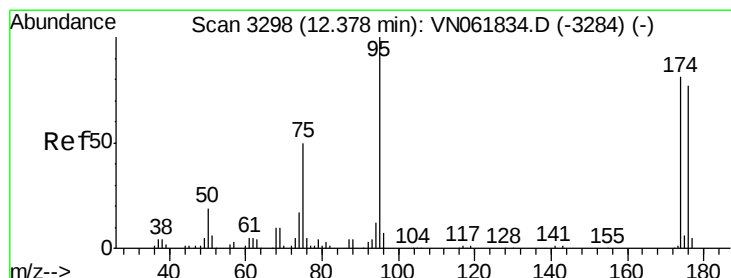
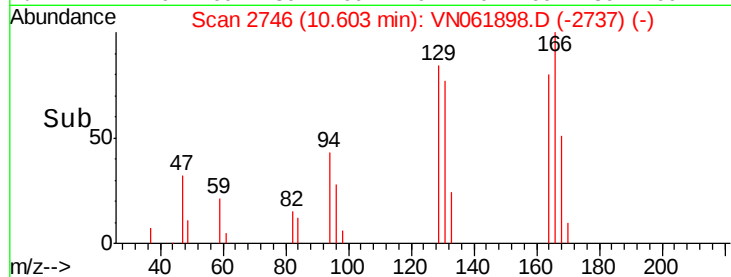
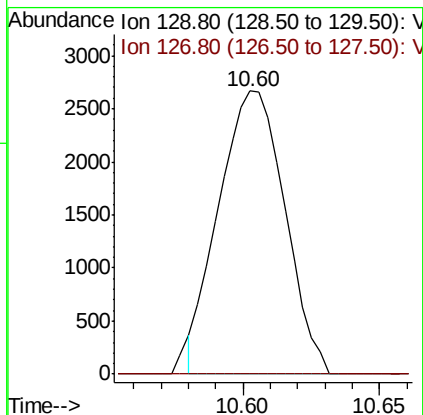
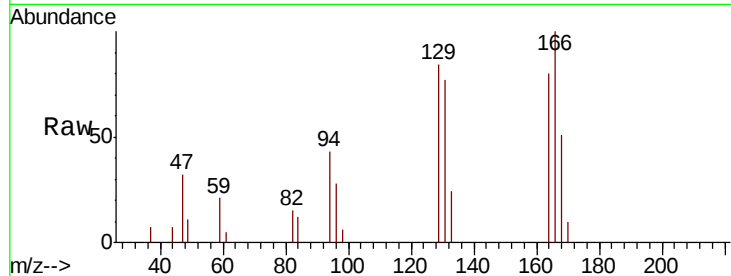




#60
Dibromochloromethane
Concen: 2.476 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.27 min
Lab File: VN061898.D
Acq: 18 Jun 2020 14:26

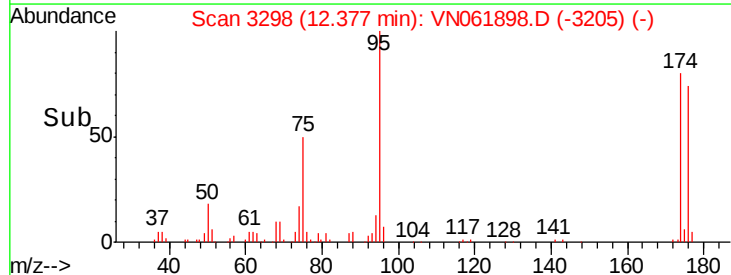
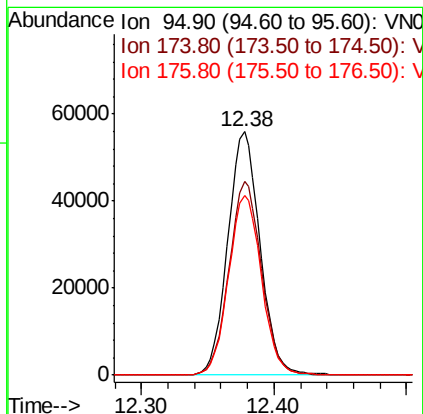
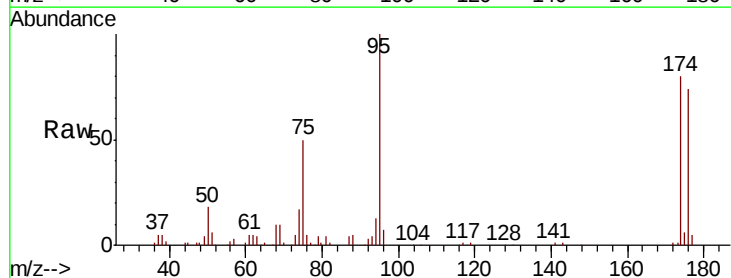
Instrument :
MSVOA_N
ClientSampleId :
RE104D1-20200612

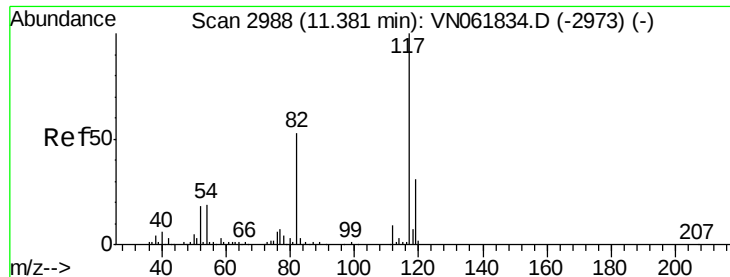
Tot Ion:129 Resp: 4480
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 46.075 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061898.D
Acq: 18 Jun 2020 14:26

Tgt Ion: 95 Resp: 94415
Ion Ratio Lower Upper
95 100
174 80.3 0.0 158.6
176 75.5 0.0 152.0

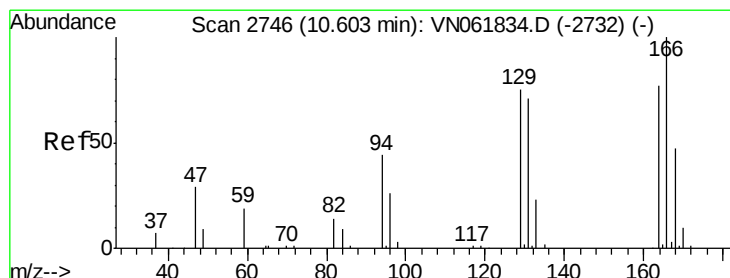
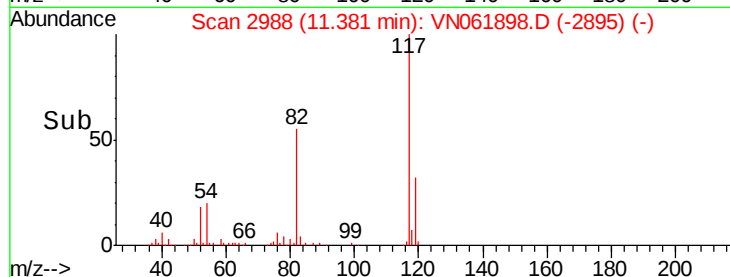
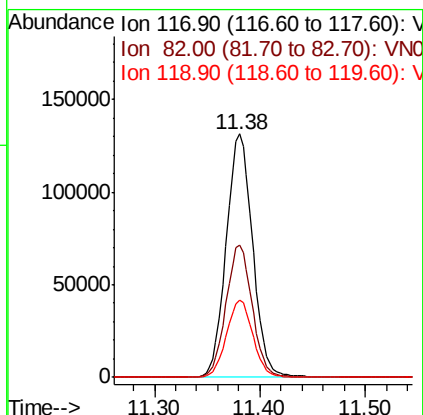
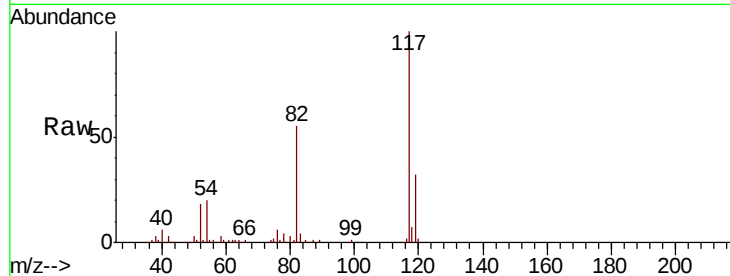




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061898.D
Acq: 18 Jun 2020 14:26

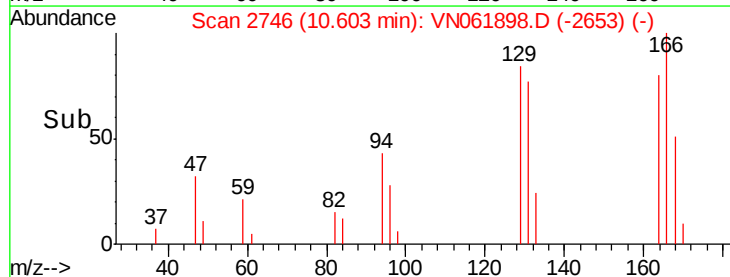
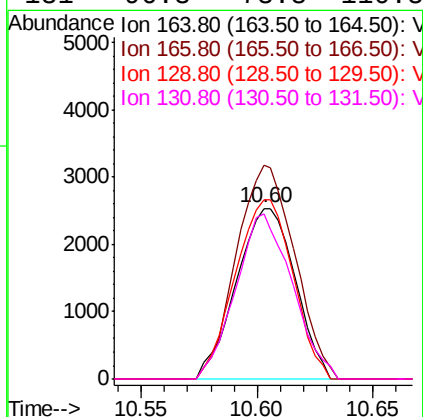
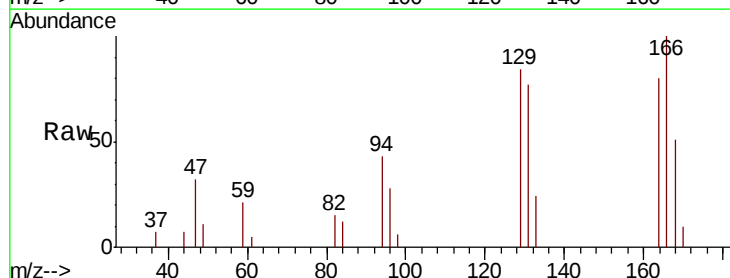
Instrument :
MSVOA_N
ClientSampleId :
RE104D1-20200612

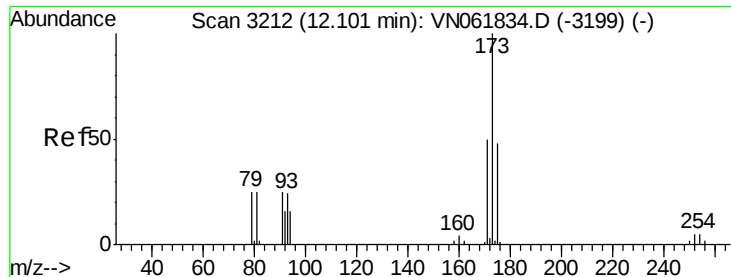
Tot Ion:117 Resp: 227565
Ion Ratio Lower Upper
117 100
82 54.5 42.6 64.0
119 31.8 24.7 37.1



#64
Tetrachloroethene
Concen: 3.072 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061898.D
Acq: 18 Jun 2020 14:26

Tgt Ion:164 Resp: 4456
Ion Ratio Lower Upper
164 100
166 125.0 103.5 155.3
129 105.0 77.5 116.3
131 96.3 73.8 110.8





#71

Bromoform

Concen: 0.589 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

RE104D1-20200612

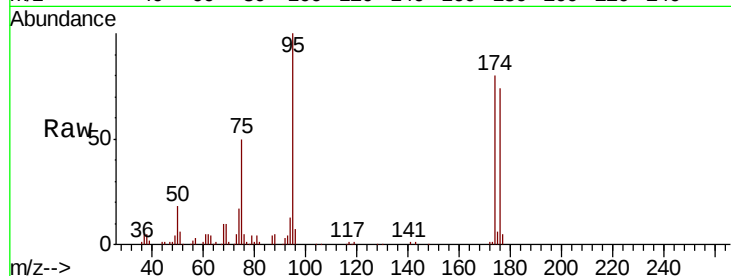
Tot Ion:173 Resp: 719

Ion Ratio Lower Upper

173 100

175 648.5 23.9 71.7#

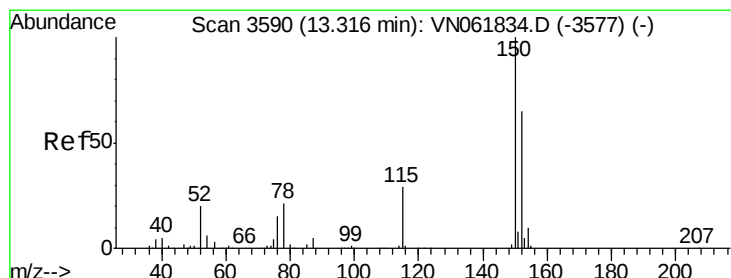
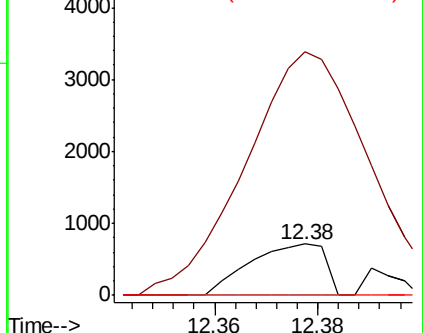
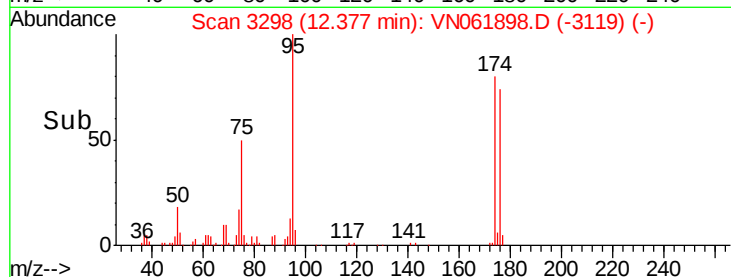
254 0.0 0.0 0.0



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: VN061898.D

Acq: 18 Jun 2020 14:26

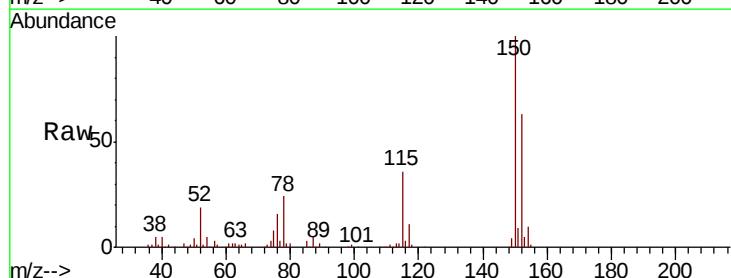
Tgt Ion:152 Resp: 83526

Ion Ratio Lower Upper

152 100

115 58.3 29.1 87.3

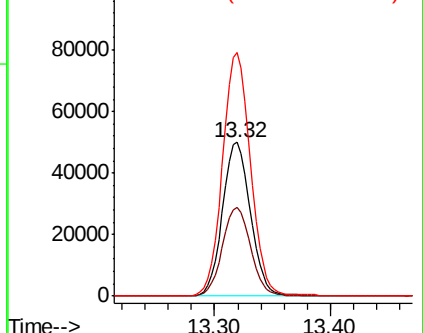
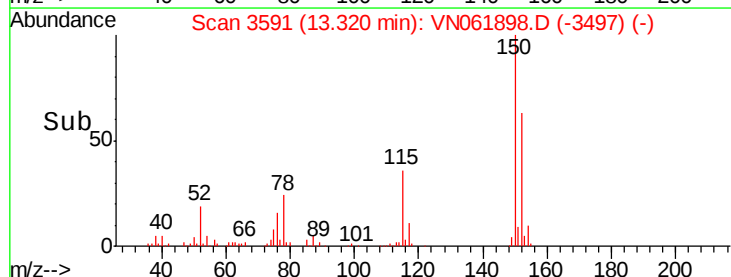
150 158.2 0.0 347.6

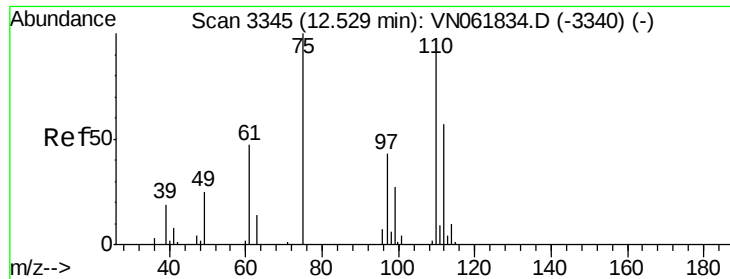


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.117 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

Instrument :

MSVOA_N

ClientSampleId :

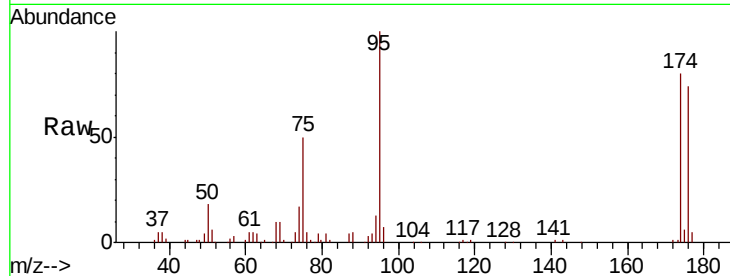
RE104D1-20200612

Tot Ion: 75 Resp: 47746

Ion Ratio Lower Upper

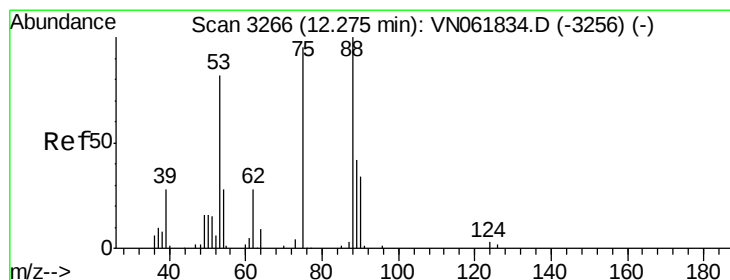
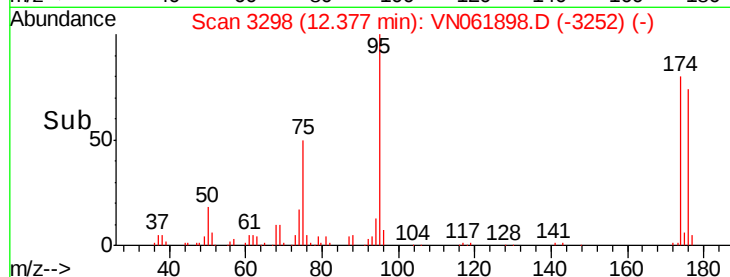
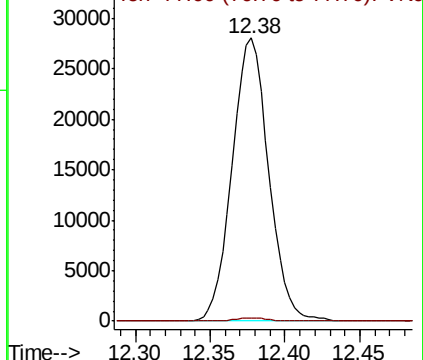
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 79.413 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061898.D

Acq: 18 Jun 2020 14:26

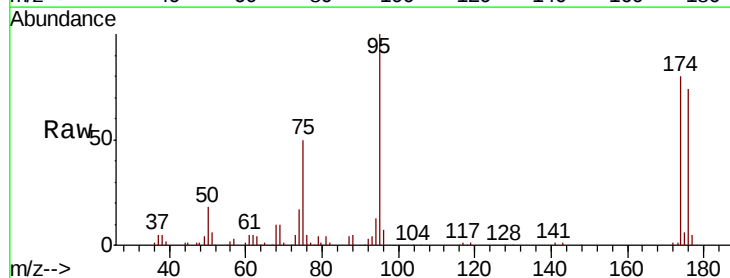
Tgt Ion: 75 Resp: 47746

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

