

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061875.D
 Acq On : 18 Jun 2020 2:41
 Operator : JC/MD
 Sample : L3011-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D3-20200611

Quant Time: Jun 18 04:01:19 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	126379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	230801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	222871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81770	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	85776	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
35) Dibromofluoromethane	7.55	113	75282	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
50) Toluene-d8	10.06	98	290496	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.38	95	92978	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	

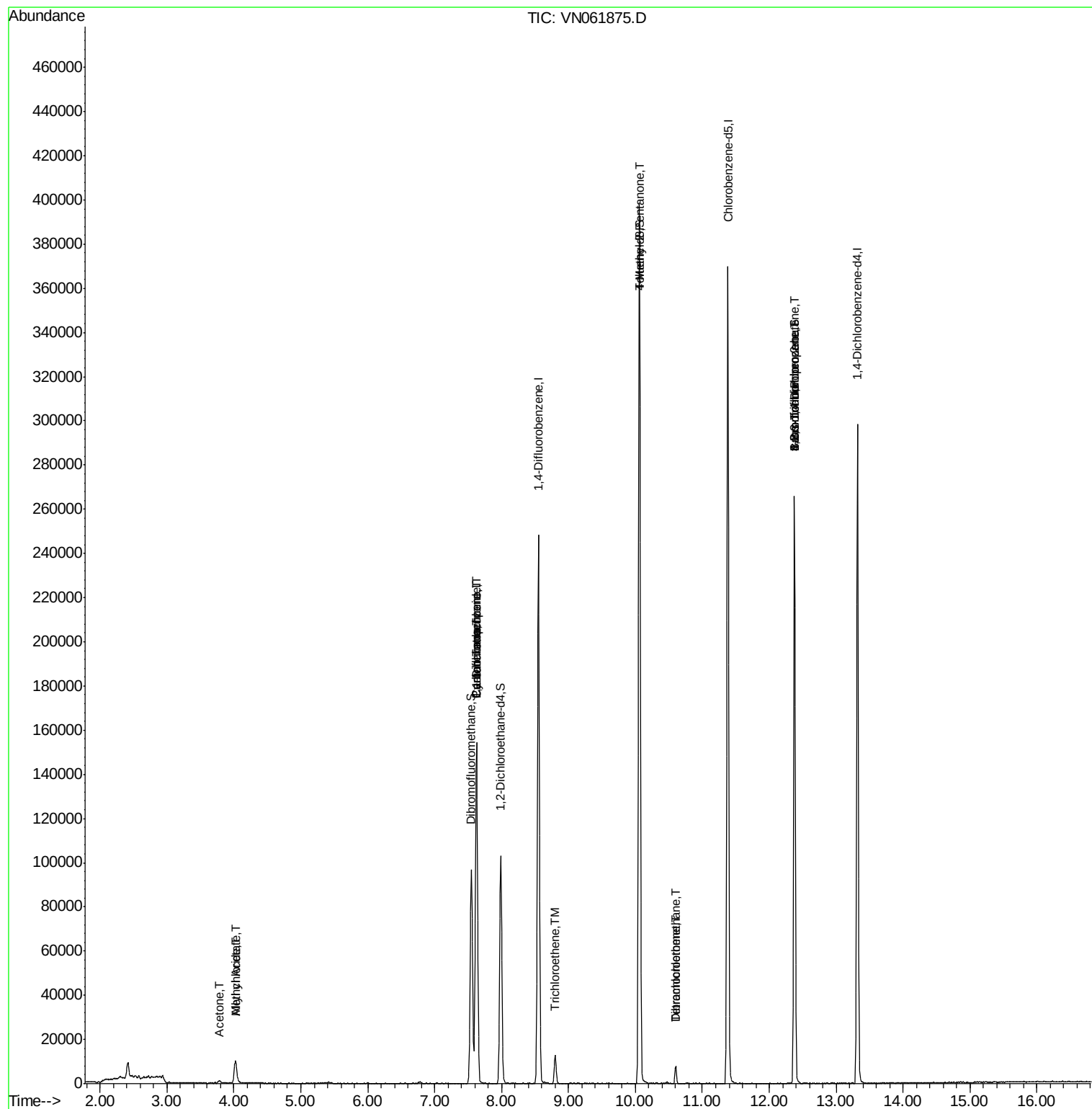
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.01	41	872	0.512	ug/l #	1
16) Acetone	3.78	43	2397	4.788	ug/l	99
18) Methyl Acetate	4.03	43	4736	3.286	ug/l #	46
31) Cyclohexane	7.63	56	2408	1.078	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	9641	4.580	ug/l #	44
38) Carbon Tetrachloride	7.63	117	12626	6.057	ug/l #	16
44) Trichloroethene	8.80	130	5043	3.005	ug/l	100
51) 4-Methyl-2-Pentanone	10.06	43	1050	0.641	ug/l #	1
60) Dibromochloromethane	10.61	129	1838	1.045	ug/l #	11
64) Tetrachloroethene	10.60	164	1866	1.314	ug/l	90
71) Bromoform	12.37	173	441	0.369	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	46087	28.708	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	46087	78.300	ug/l #	14

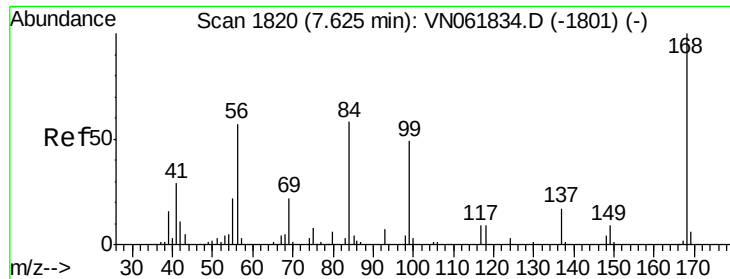
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
Data File : VN061875.D
Acq On : 18 Jun 2020 2:41
Operator : JC/MD
Sample : L3011-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE126D3-20200611

Quant Time: Jun 18 04:01:19 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061875.D

Acq: 18 Jun 2020 2:41

Instrument :

MSVOA_N

ClientSampleId :

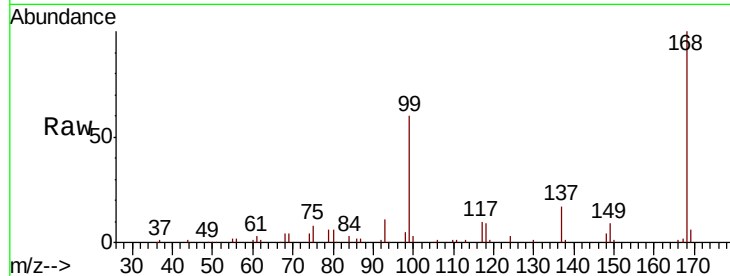
RE126D3-20200611

Tot Ion:168 Resp: 126379

Ion Ratio Lower Upper

168 100

99 60.2 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): VN061834.D (-1801) (-)

Ion 98.90 (98.60 to 99.60): VN061834.D (-1801) (-)

7.63

60000

50000

40000

30000

20000

10000

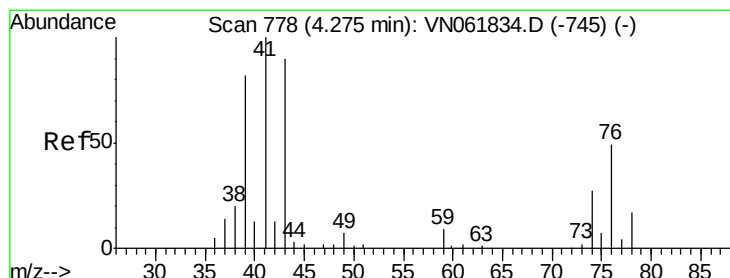
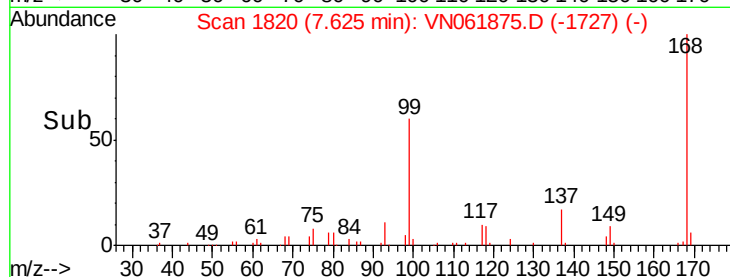
0

Time-->

7.50

7.60

7.70



#14

Allyl chloride

Concen: 0.512 ug/l

RT: 4.01 min Scan# 697

Delta R.T. -0.26 min

Lab File: VN061875.D

Acq: 18 Jun 2020 2:41

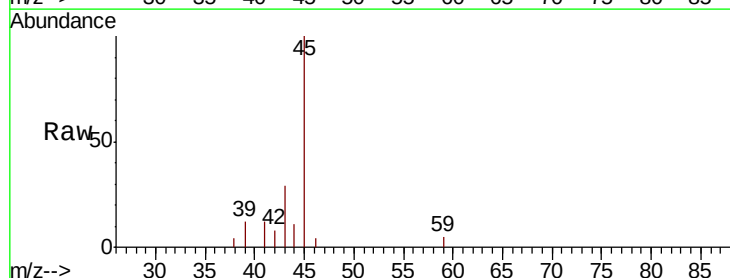
Tgt Ion: 41 Resp: 872

Ion Ratio Lower Upper

41 100

39 198.1 60.2 90.2#

76 0.0 36.3 54.5#



Abundance Ion 41.00 (40.70 to 41.70): VN061834.D (-745) (-)

Ion 39.00 (38.70 to 39.70): VN061834.D (-745) (-)

Ion 75.90 (75.60 to 76.60): VN061834.D (-745) (-)

800

600

400

200

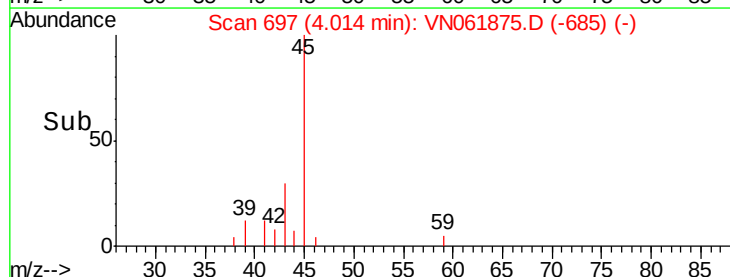
0

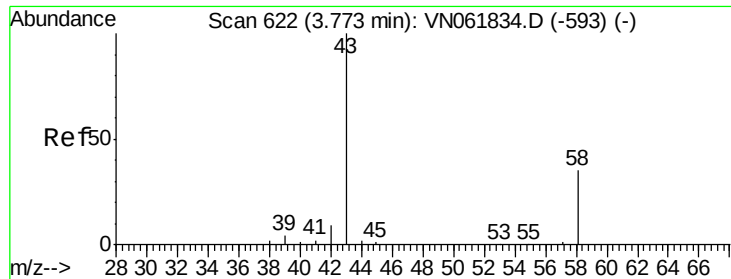
Time-->

3.98

4.00

4.02





#16

Acetone

Concen: 4.788 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061875.D

Acq: 18 Jun 2020 2:41

Instrument :

MSVOA_N

ClientSampleId :

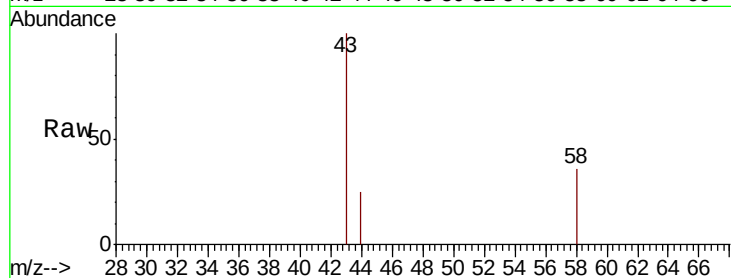
RE126D3-20200611

Tot Ion: 43 Resp: 2397

Ion Ratio Lower Upper

43 100

58 35.6 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

800

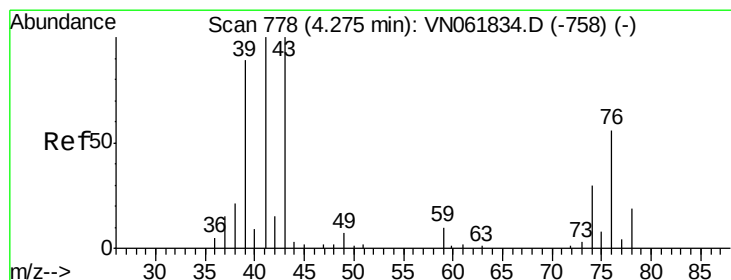
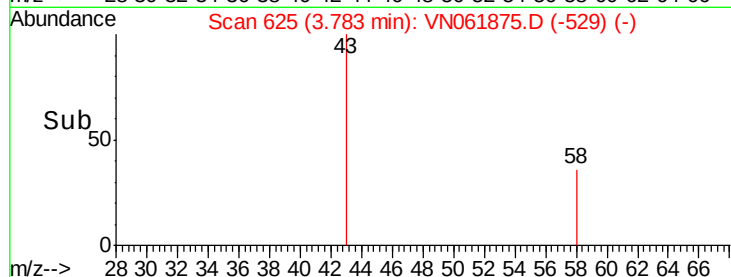
600

400

200

0

Time--> 3.70 3.75 3.80 3.85



#18

Methyl Acetate

Concen: 3.286 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.25 min

Lab File: VN061875.D

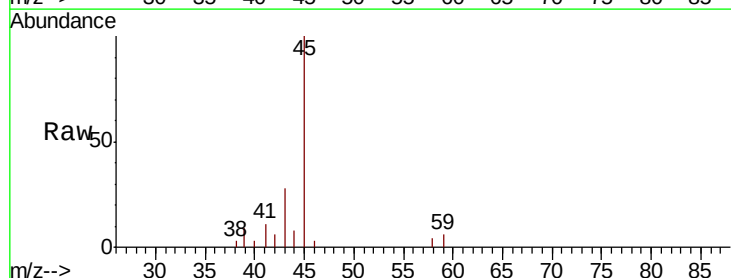
Acq: 18 Jun 2020 2:41

Tgt Ion: 43 Resp: 4736

Ion Ratio Lower Upper

43 100

74 0.0 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.03

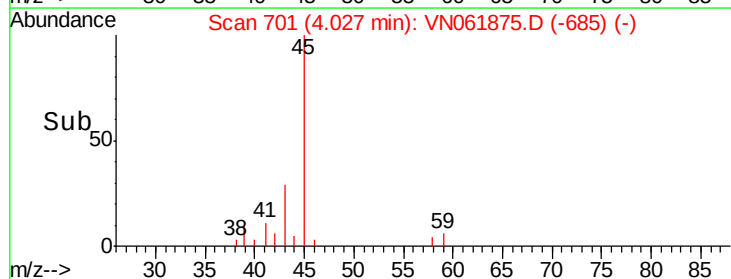
1500

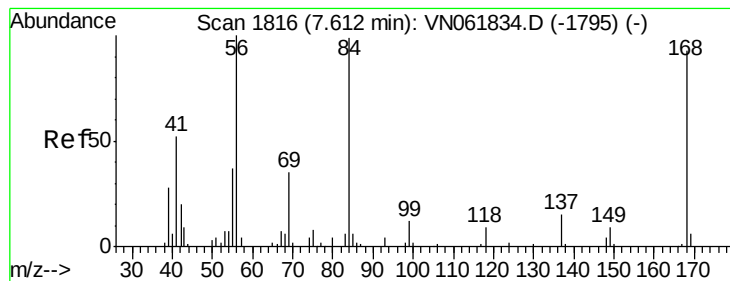
1000

500

0

Time--> 3.95 4.00 4.05 4.10





#31

Cyclohexane

Concen: 1.078 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.02 min

Lab File: VN061875.D

Acq: 18 Jun 2020 2:41

Instrument :

MSVOA_N

ClientSampleId :

RE126D3-20200611

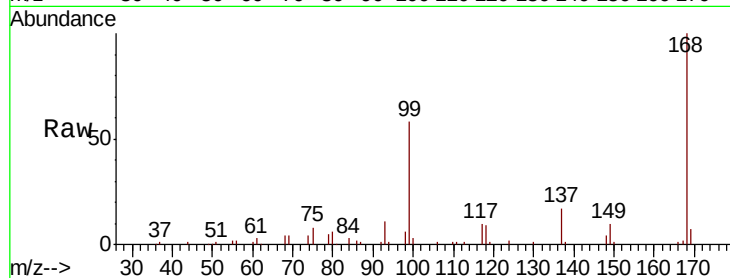
Tot Ion: 56 Resp: 2408

Ion Ratio Lower Upper

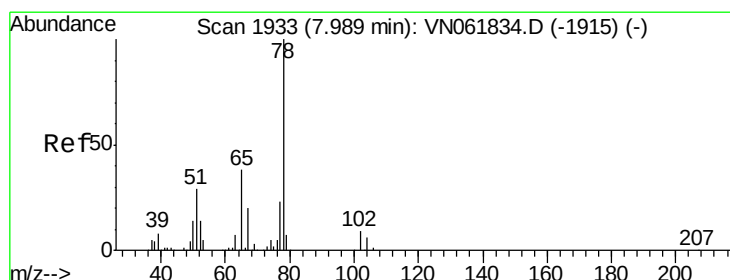
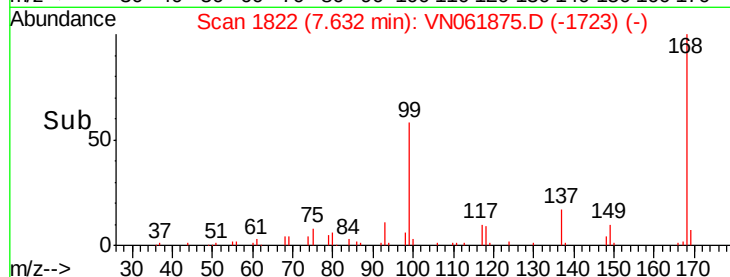
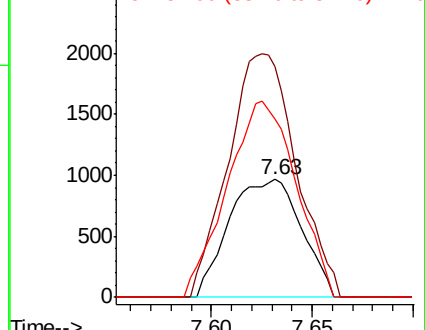
56 100

69 195.1 27.7 41.5#

84 151.6 79.1 118.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.607 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061875.D

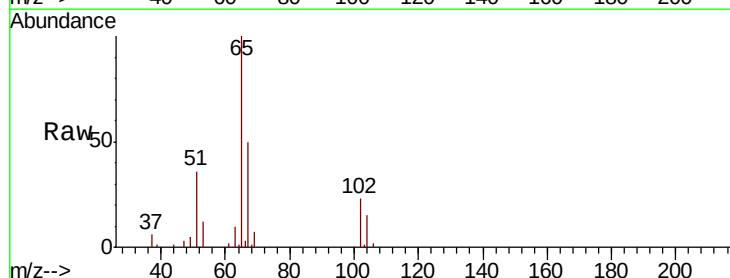
Acq: 18 Jun 2020 2:41

Tgt Ion: 65 Resp: 85776

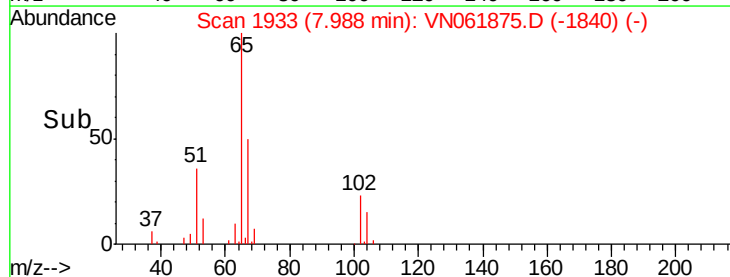
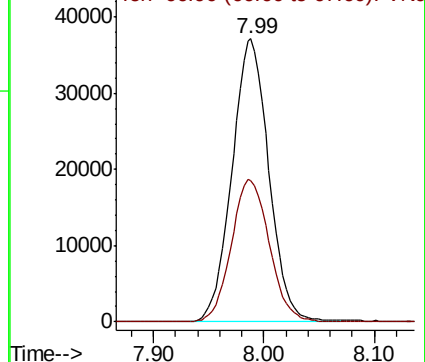
Ion Ratio Lower Upper

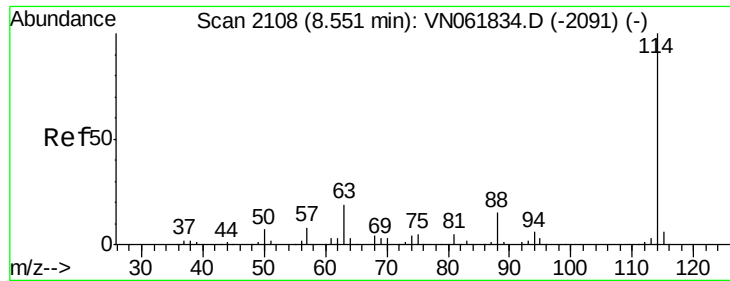
65 100

67 51.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

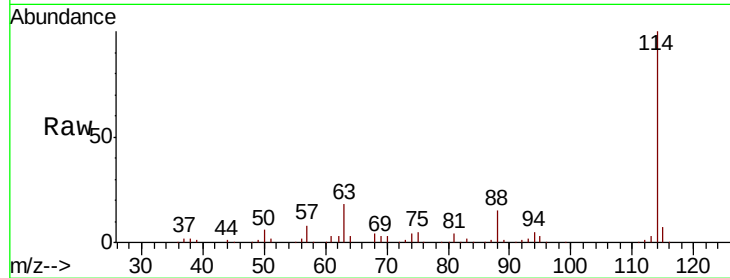




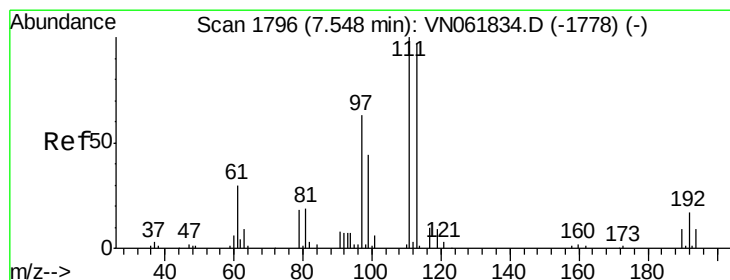
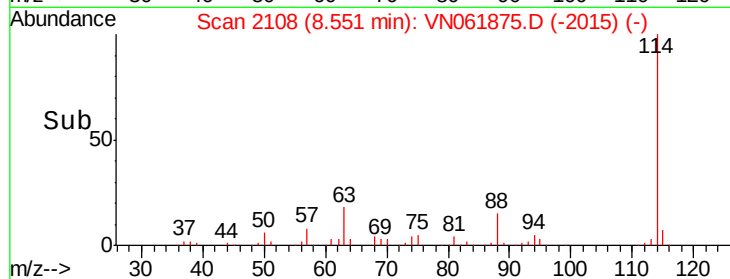
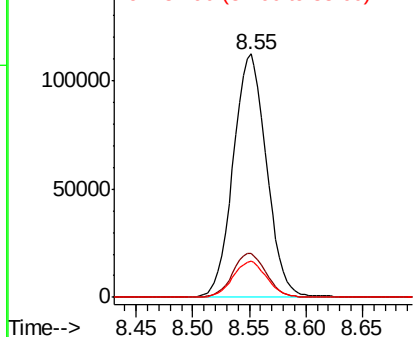
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN061875.D
Acq: 18 Jun 2020 2:41

Instrument :
MSVOA_N
ClientSampleId :
RE126D3-20200611

Tot Ion:114 Resp: 230801
Ion Ratio Lower Upper
114 100
63 17.9 0.0 37.6
88 14.6 0.0 31.0

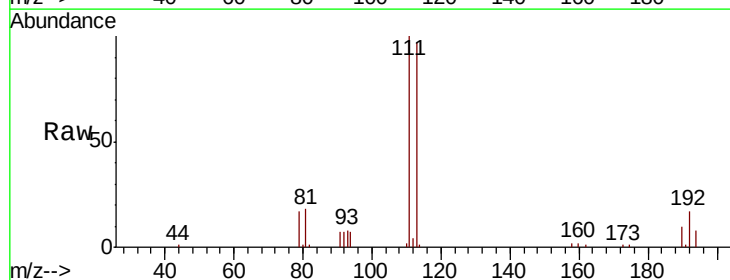


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

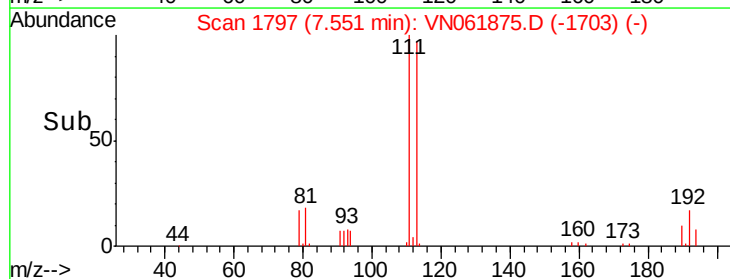
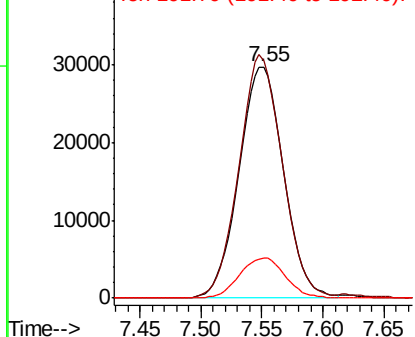


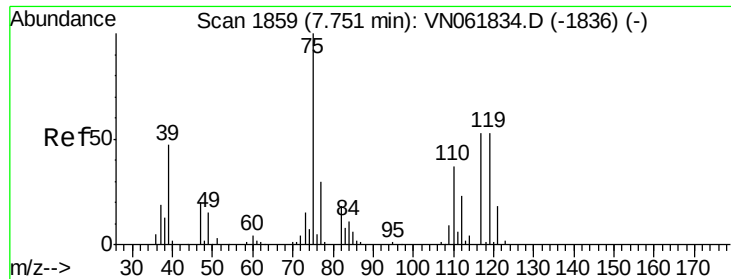
#35
Dibromofluoromethane
Concen: 50.985 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN061875.D
Acq: 18 Jun 2020 2:41

Tgt Ion:113 Resp: 75282
Ion Ratio Lower Upper
113 100
111 102.2 83.7 125.5
192 17.8 13.9 20.9



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

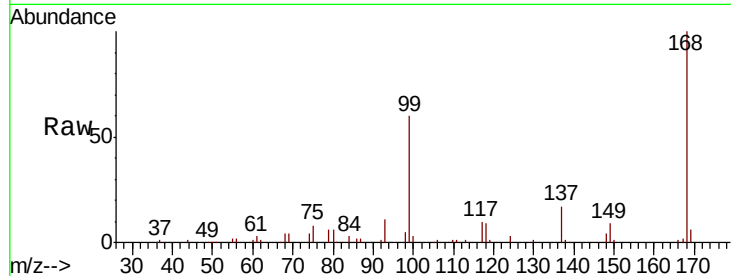




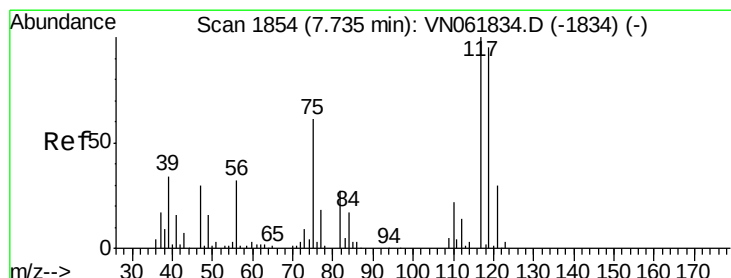
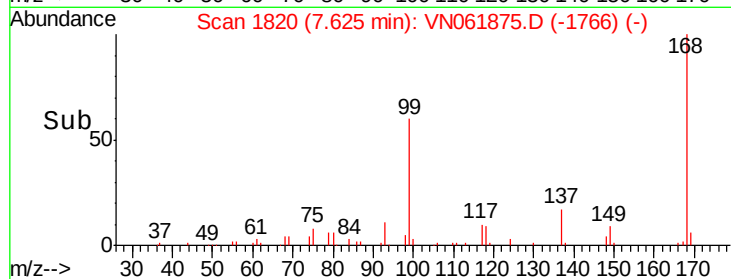
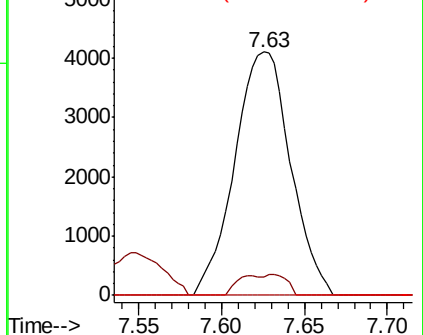
#36
 1,1-Dichloropropene
 Concen: 4.580 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061875.D
 Acq: 18 Jun 2020 2:41

Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D3-20200611

Tot Ion	Ratio	Lower	Upper
75	100		
110	3.4	18.2	54.6#
77	0.0	24.2	36.4#

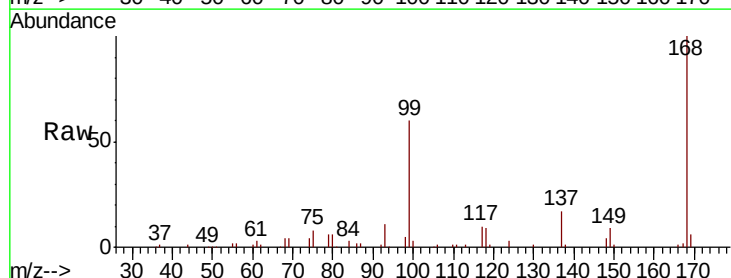


Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)
 Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)
 Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)

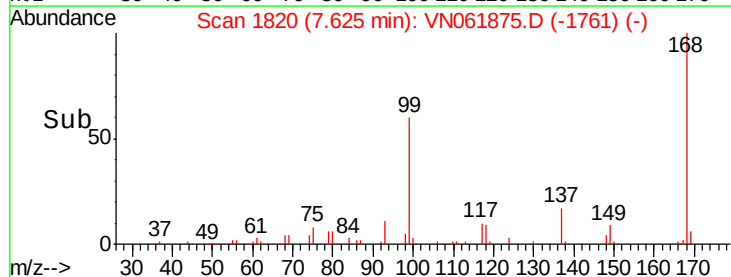
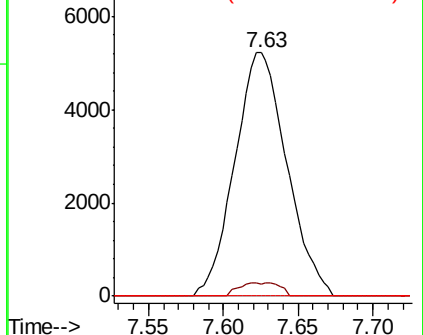


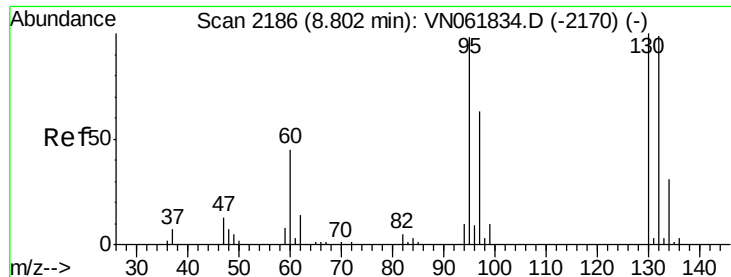
#38
 Carbon Tetrachloride
 Concen: 6.057 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061875.D
 Acq: 18 Jun 2020 2:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	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) (-)





#44

Trichloroethene

Concen: 3.005 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061875.D

Acq: 18 Jun 2020 2:41

Instrument :

MSVOA_N

ClientSampleId :

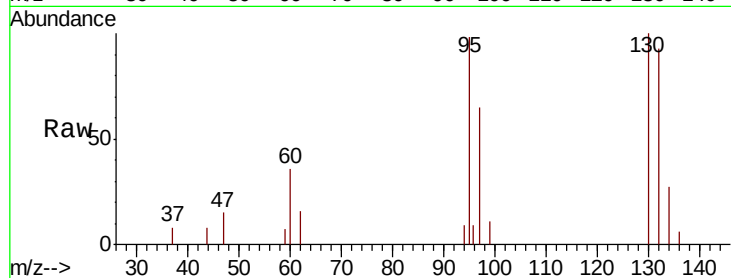
RE126D3-20200611

Tot Ion:130 Resp: 5043

Ion Ratio Lower Upper

130 100

95 97.6 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN061834.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN061834.D (-2170) (-)

8.80

2500

2000

1500

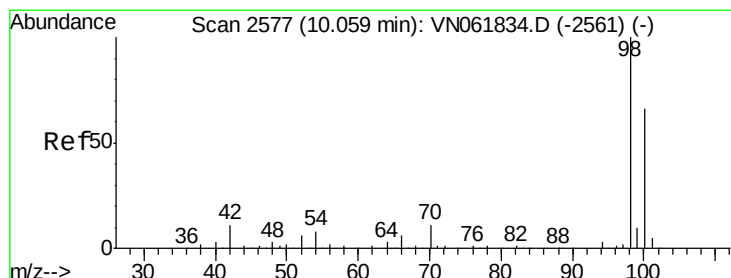
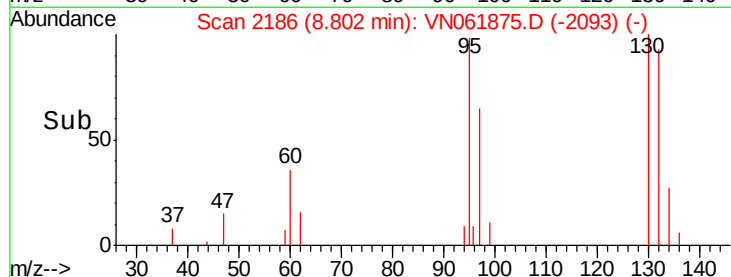
1000

500

0

8.75 8.80 8.85

Time-->



#50

Toluene-d8

Concen: 50.043 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061875.D

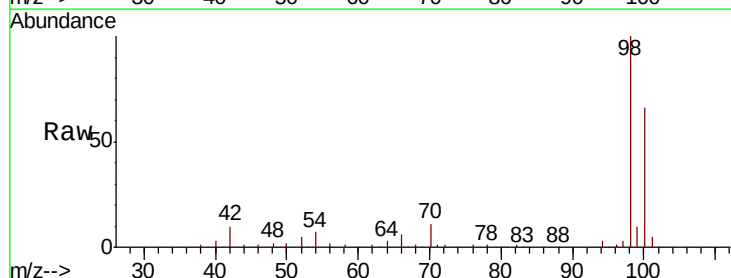
Acq: 18 Jun 2020 2:41

Tgt Ion: 98 Resp: 290496

Ion Ratio Lower Upper

98 100

100 64.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)

10.06

150000

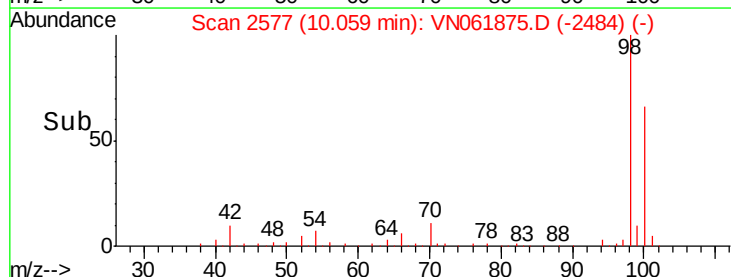
100000

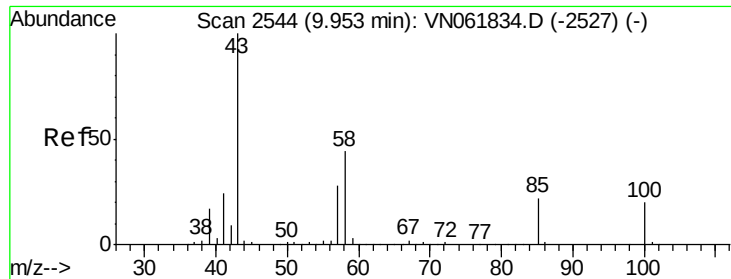
50000

0

10.00 10.05 10.10

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.641 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN061875.D

Acq: 18 Jun 2020 2:41

Instrument :

MSVOA_N

ClientSampleId :

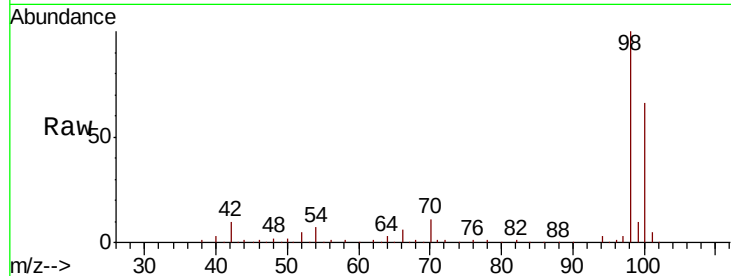
RE126D3-20200611

Tot Ion: 43 Resp: 1050

Ion Ratio Lower Upper

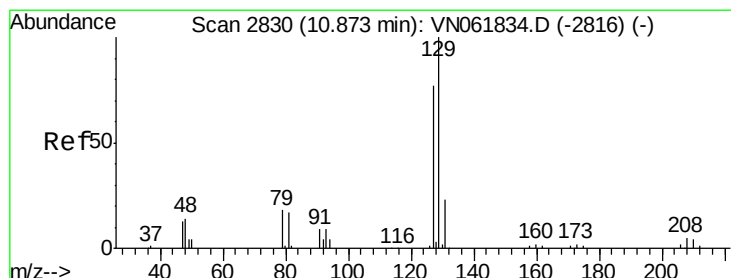
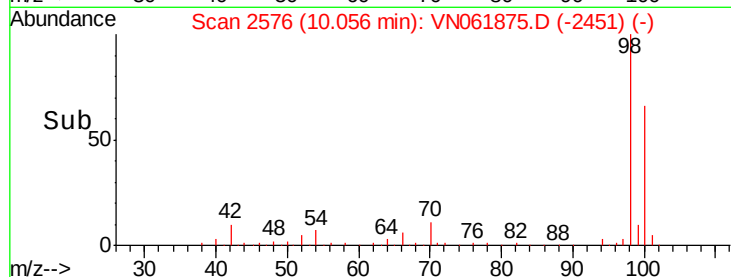
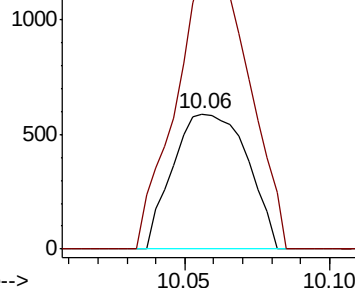
43 100

58 204.3 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: 1.045 ug/l

RT: 10.61 min Scan# 2747

Delta R.T. -0.27 min

Lab File: VN061875.D

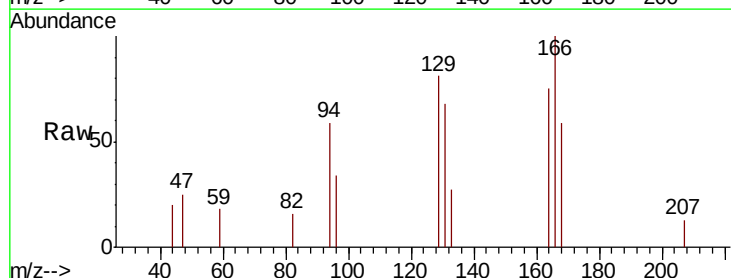
Acq: 18 Jun 2020 2:41

Tgt Ion: 129 Resp: 1838

Ion Ratio Lower Upper

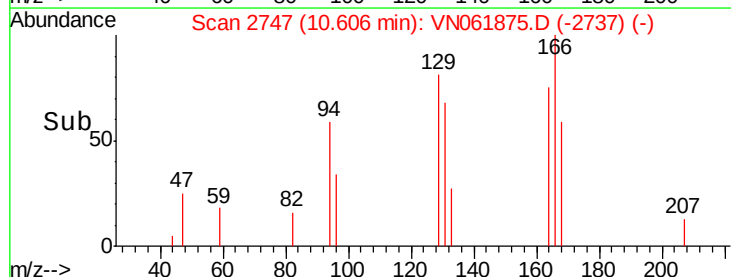
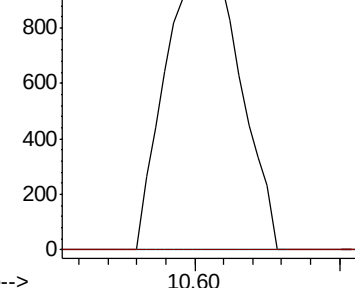
129 100

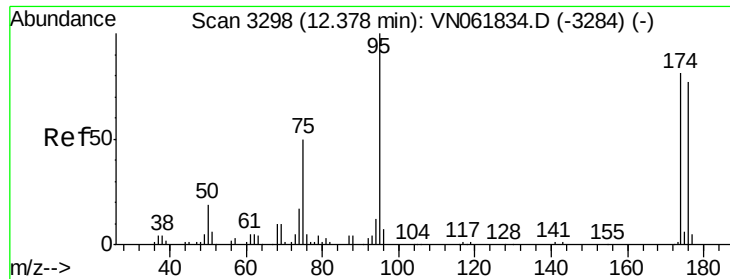
127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

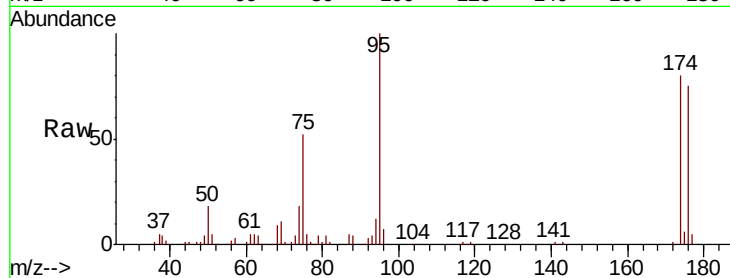




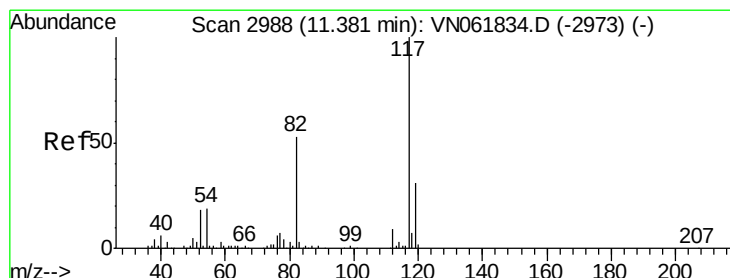
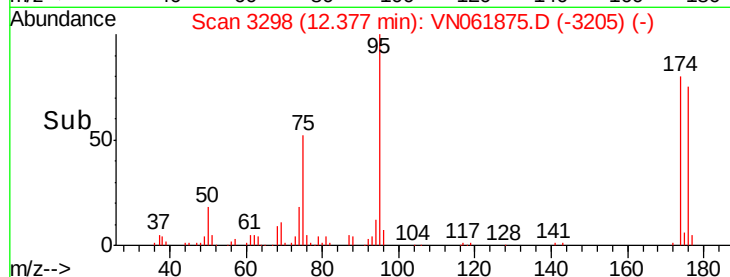
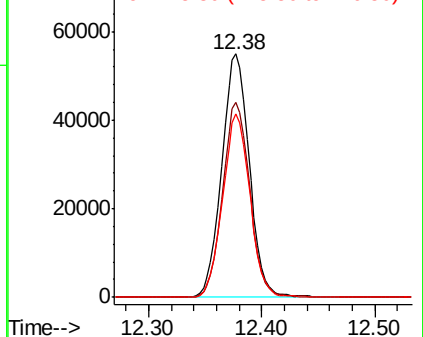
#62
 4-Bromofluorobenzene
 Concen: 46.695 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061875.D
 Acq: 18 Jun 2020 2:41

Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D3-20200611

Tot Ion: 95 Resp: 92978
 Ion Ratio Lower Upper
 95 100
 174 78.7 0.0 158.6
 176 74.8 0.0 152.0

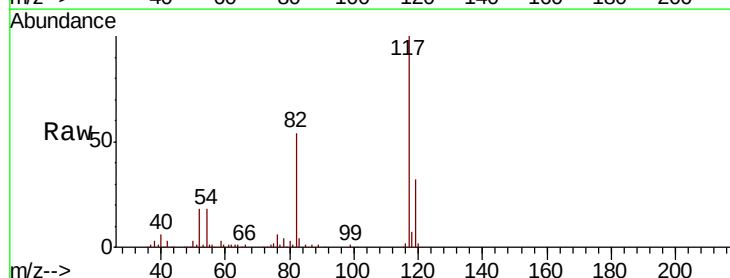


Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)
 Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)
 Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

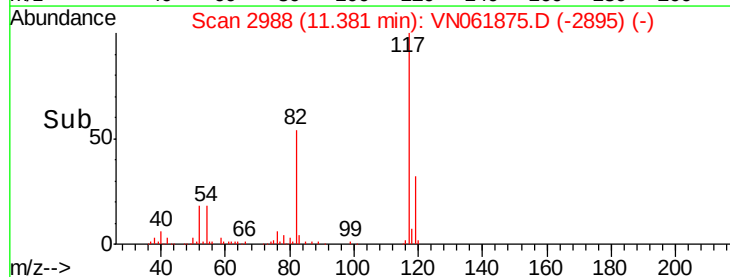
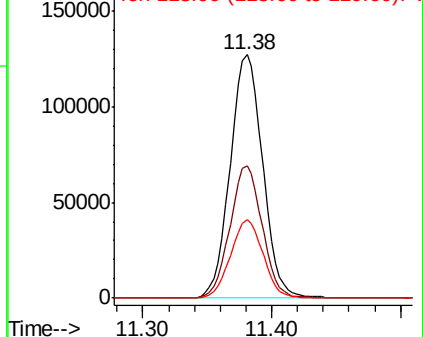


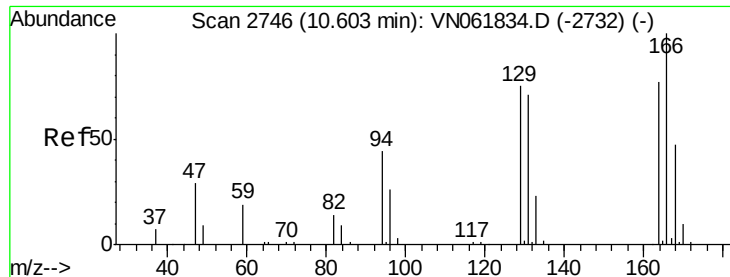
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN061875.D
 Acq: 18 Jun 2020 2:41

Tgt Ion: 117 Resp: 222871
 Ion Ratio Lower Upper
 117 100
 82 54.3 42.6 64.0
 119 32.1 24.7 37.1



Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)
 Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)
 Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)





#64

Tetrachloroethene

Concen: 1.314 ug/l

RT: 10.60 min Scan# 2745

Delta R.T. -0.00 min

Lab File: VN061875.D

Acq: 18 Jun 2020 2:41

Instrument :

MSVOA_N

ClientSampleId :

RE126D3-20200611

Tot Ion:164 Resp: 1866

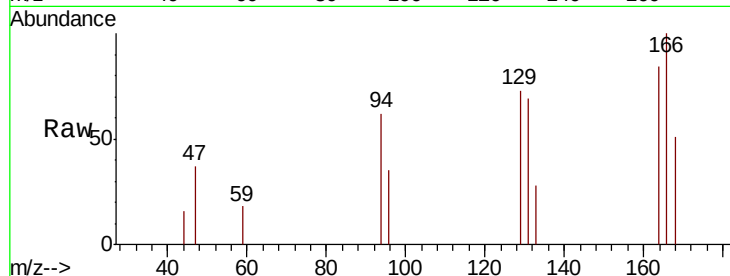
Ion Ratio Lower Upper

164 100

166 118.6 103.5 155.3

129 86.9 77.5 116.3

131 82.2 73.8 110.8

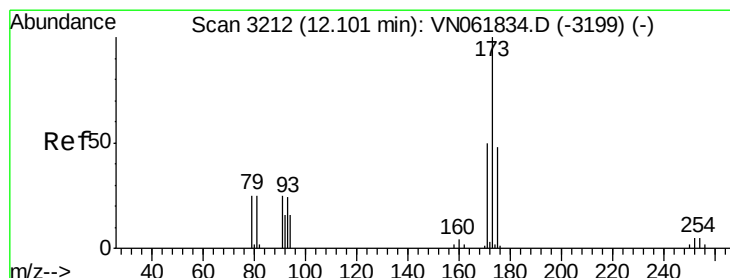
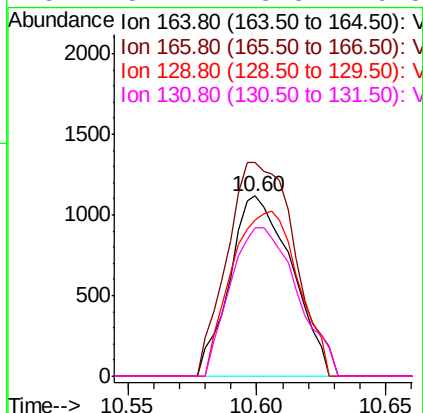
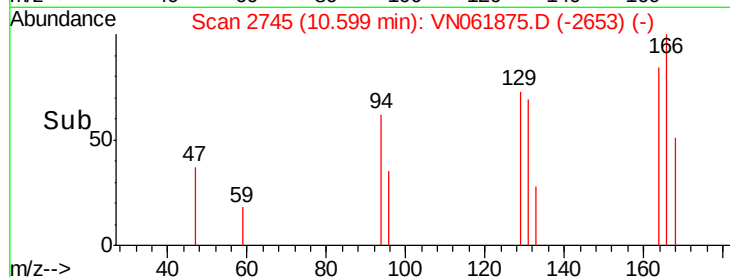


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 0.369 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061875.D

Acq: 18 Jun 2020 2:41

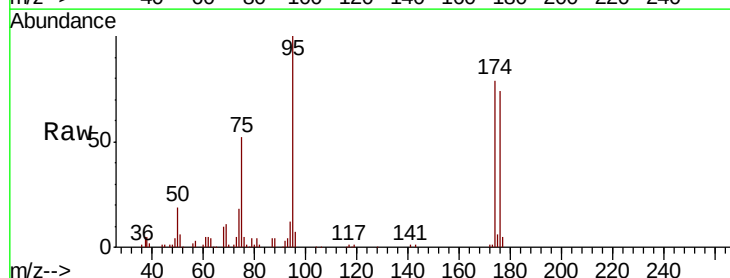
Tgt Ion:173 Resp: 441

Ion Ratio Lower Upper

173 100

175 1042.4 23.9 71.7#

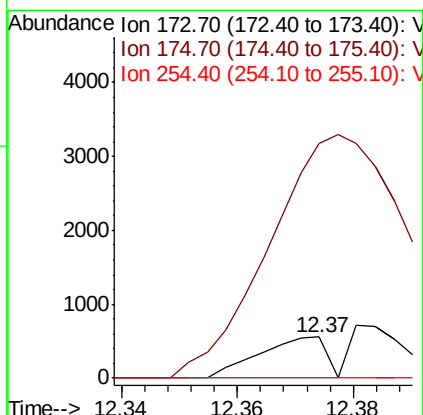
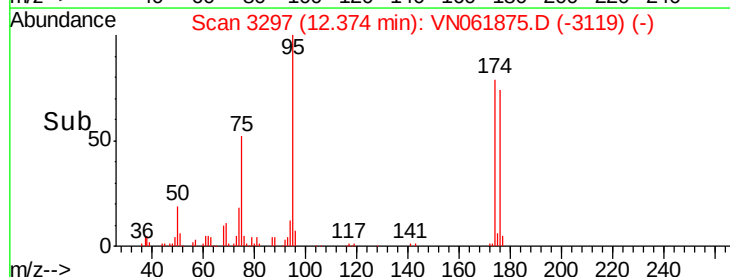
254 0.0 0.0 0.0

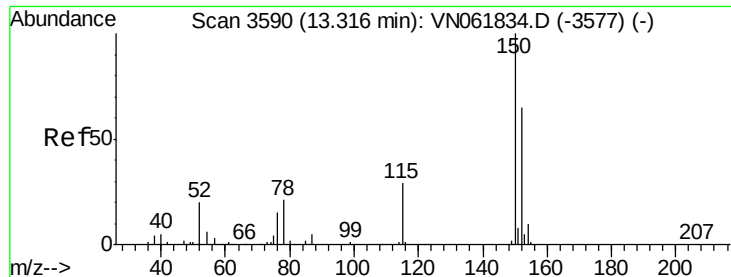


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN061875.D

Acq: 18 Jun 2020 2:41

Instrument :

MSVOA_N

ClientSampleId :

RE126D3-20200611

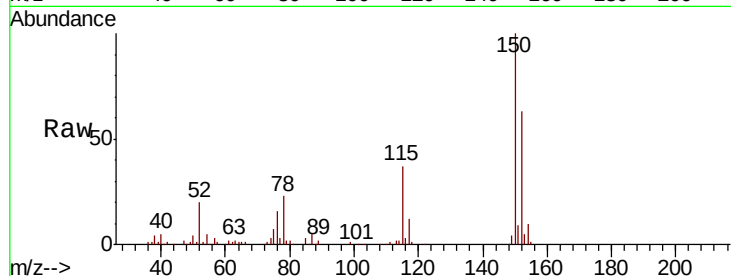
Tot Ion:152 Resp: 81770

Ion Ratio Lower Upper

152 100

115 60.3 29.1 87.3

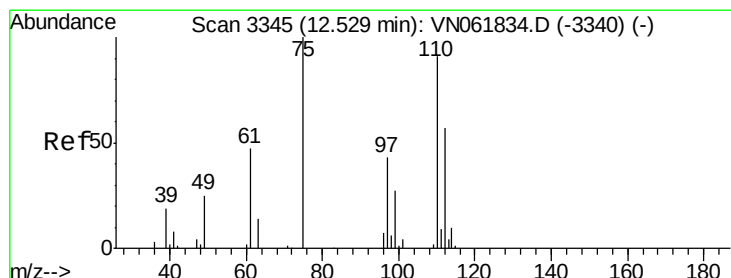
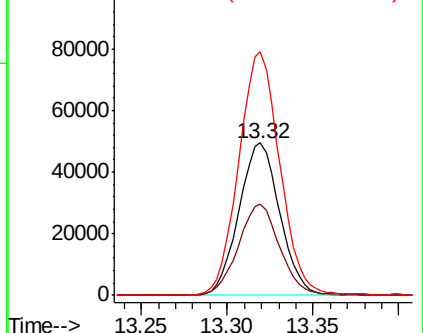
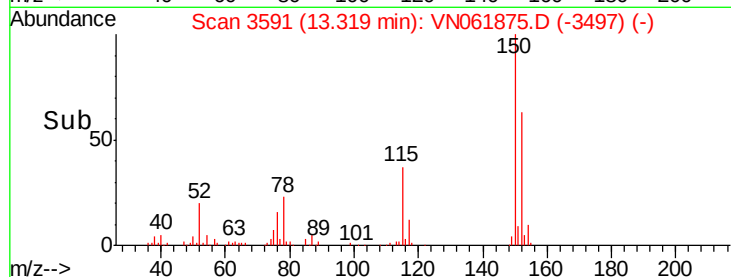
150 160.6 0.0 347.6



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: 28.708 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061875.D

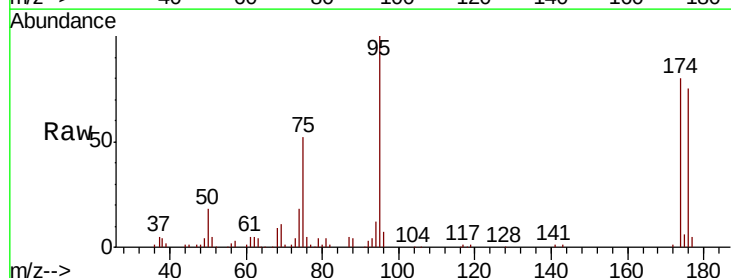
Acq: 18 Jun 2020 2:41

Tgt Ion: 75 Resp: 46087

Ion Ratio Lower Upper

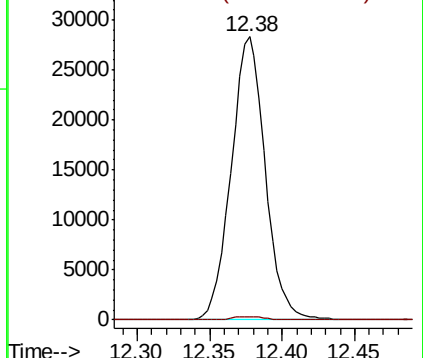
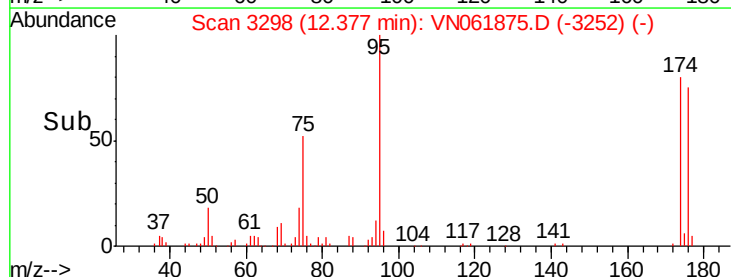
75 100

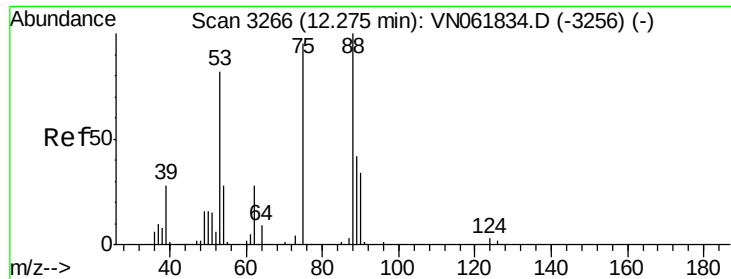
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 78.300 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061875.D

Acq: 18 Jun 2020 2:41

Instrument :

MSVOA_N

ClientSampleId :

RE126D3-20200611

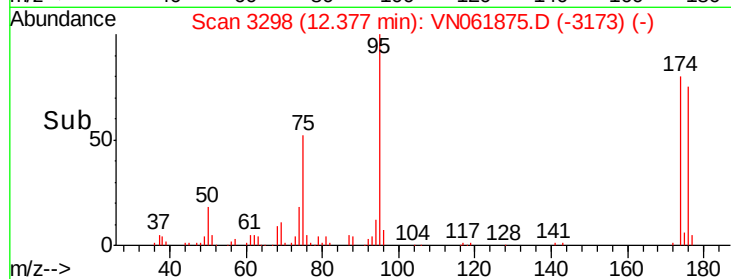
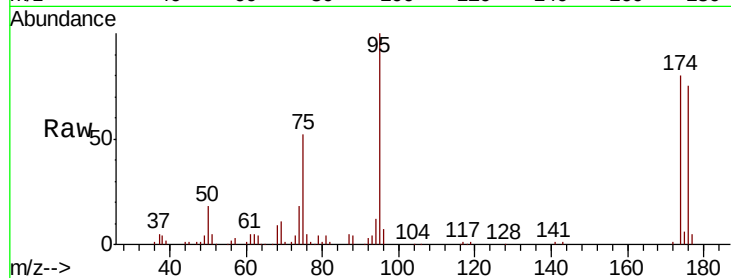
Tot Ion: 75 Resp: 46087

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

