

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061873.D
 Acq On : 18 Jun 2020 1:52
 Operator : JC/MD
 Sample : L3011-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D1-20200611

Quant Time: Jun 18 04:00:52 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	131607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	241042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	227383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	85781	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	86284	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	7.55	113	77639	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	10.06	98	296891	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.38	95	95945	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

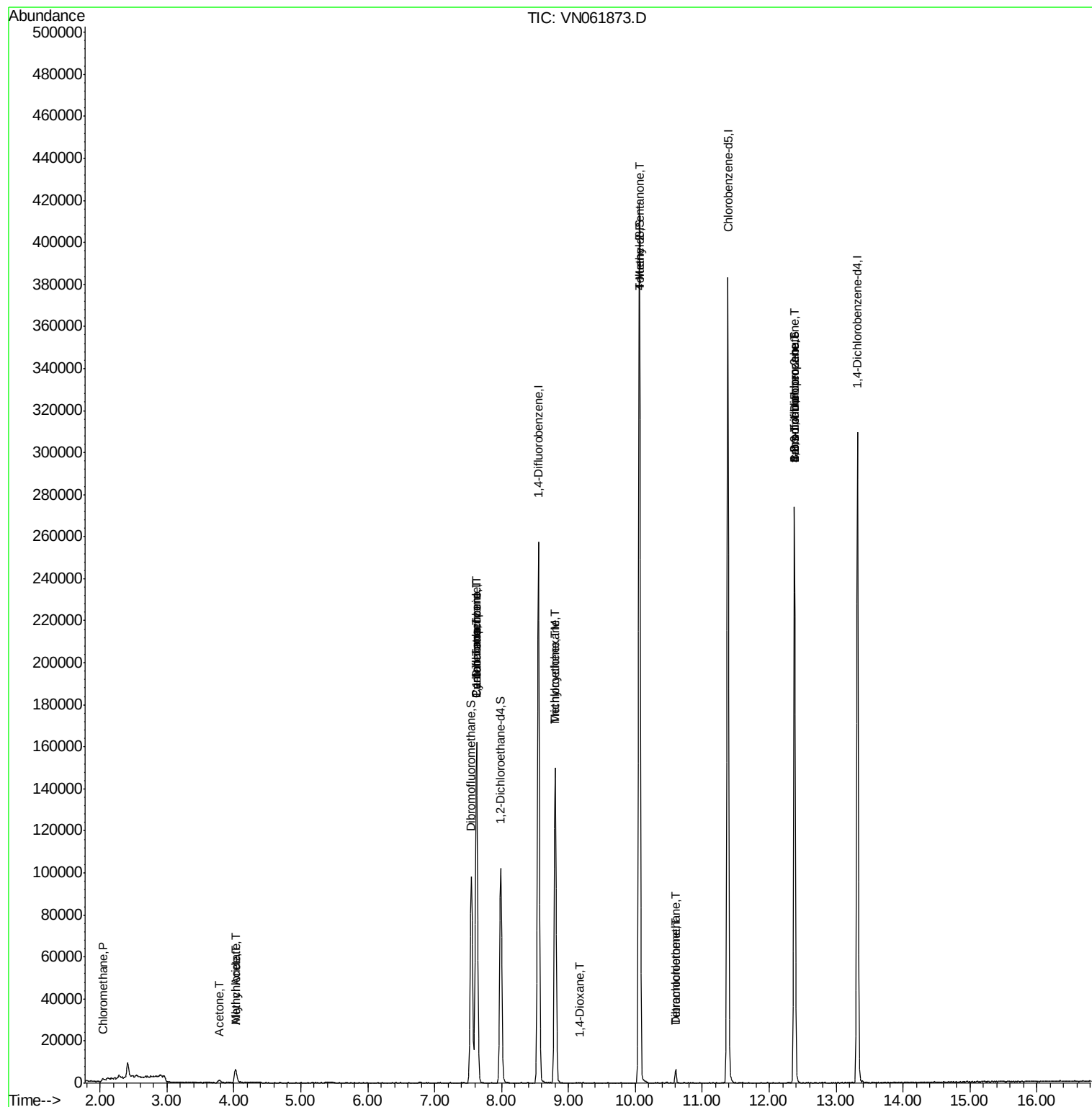
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	599	0.328	ug/l	94
14) Allyl chloride	4.01	41	357	0.201	ug/l #	1
16) Acetone	3.79	43	2318	4.446	ug/l	96
18) Methyl Acetate	4.03	43	2812	1.873	ug/l #	46
31) Cyclohexane	7.62	56	2370	1.019	ug/l #	4
36) 1,1-Dichloropropene	7.63	75	10315	4.692	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13506	6.203	ug/l #	16
39) Methylcyclohexane	8.80	83	569	0.240	ug/l #	7
44) Trichloroethene	8.80	130	57958	33.067	ug/l	95
49) 1,4-Dioxane	9.17	88	156	5.164	ug/l #	66
51) 4-Methyl-2-Pentanone	10.06	43	1103	0.645	ug/l #	1
60) Dibromochloromethane	10.60	129	1525	0.830	ug/l #	11
64) Tetrachloroethene	10.60	164	1417	0.978	ug/l #	85
71) Bromoform	12.37	173	744	0.610	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	47489	28.199	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	47489	76.909	ug/l #	14

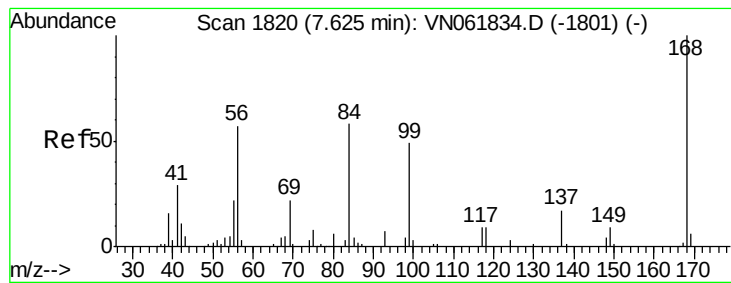
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061873.D

Acq: 18 Jun 2020 1:52

Instrument :

MSVOA_N

ClientSampleId :

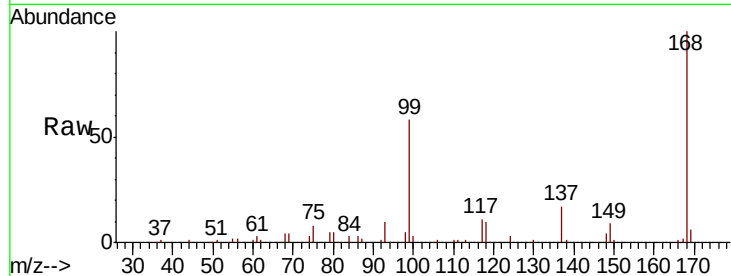
RE126D1-20200611

Tot Ion:168 Resp: 131607

Ion Ratio Lower Upper

168 100

99 57.6 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

50000

40000

30000

20000

10000

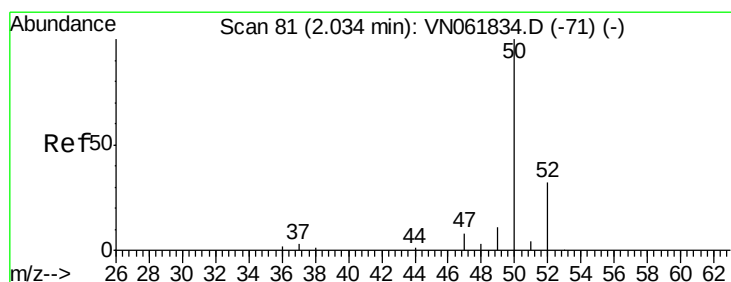
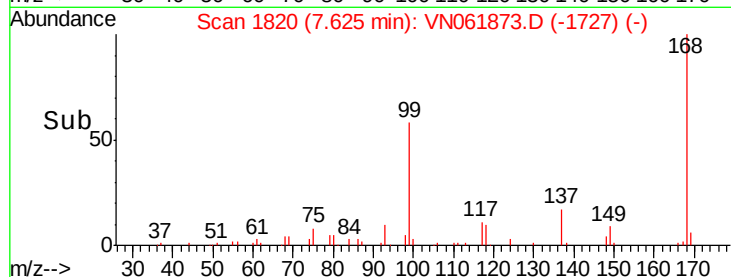
0

7.50

7.60

7.70

Time-->



#3

Chloromethane

Concen: 0.328 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061873.D

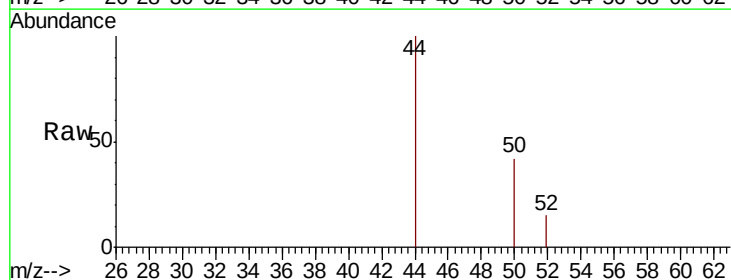
Acq: 18 Jun 2020 1:52

Tgt Ion: 50 Resp: 599

Ion Ratio Lower Upper

50 100

52 35.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

600

500

400

300

200

100

0

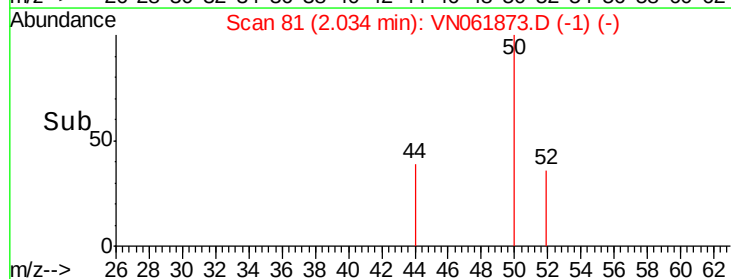
2.00

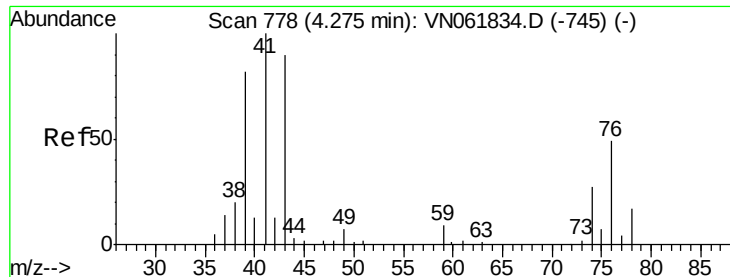
2.02

2.04

2.06

Time-->

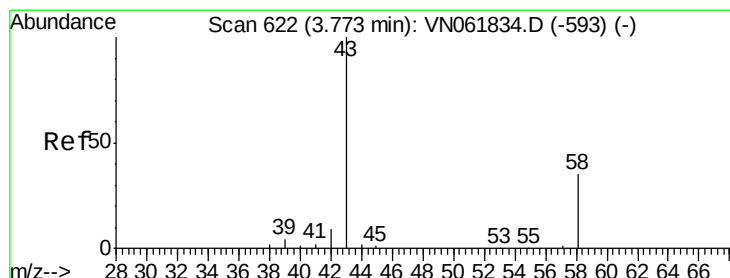
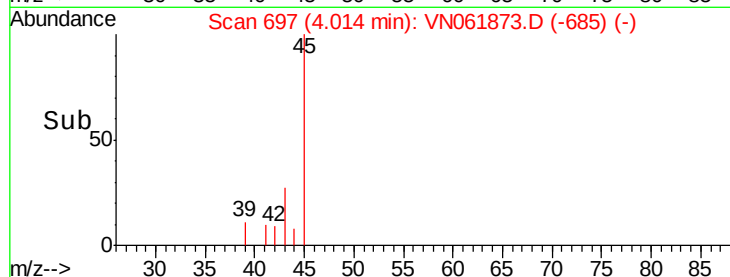
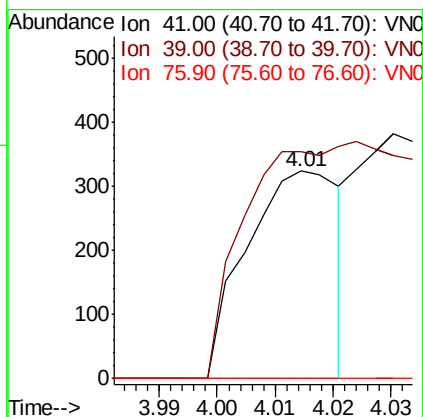
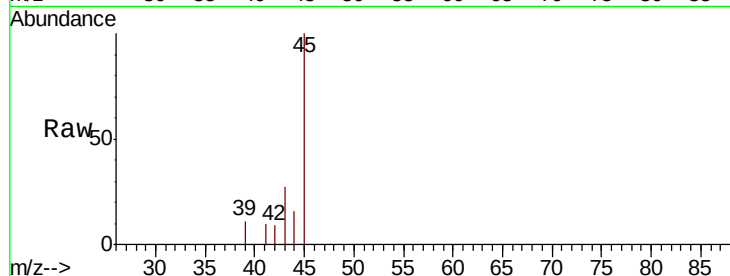




#14
Allvl chloride
Concen: 0.201 ug/l
RT: 4.01 min Scan# 697
Delta R.T. -0.26 min
Lab File: VN061873.D
Acq: 18 Jun 2020 1:52

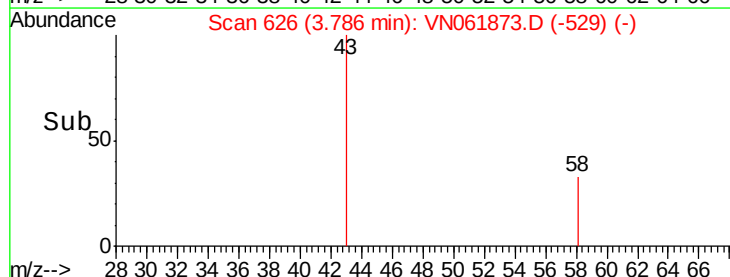
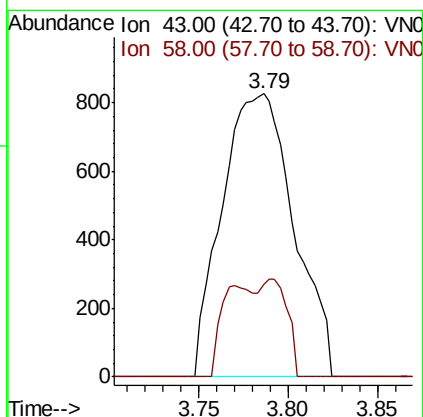
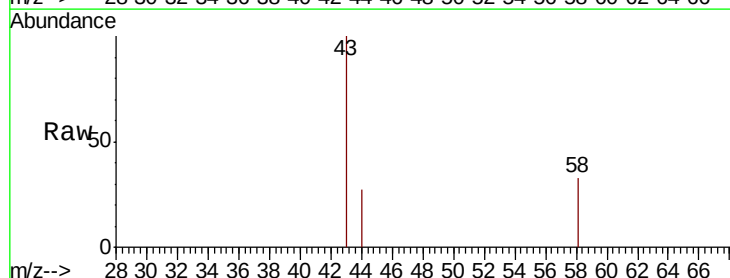
Instrument :
MSVOA_N
ClientSampleId :
RE126D1-20200611

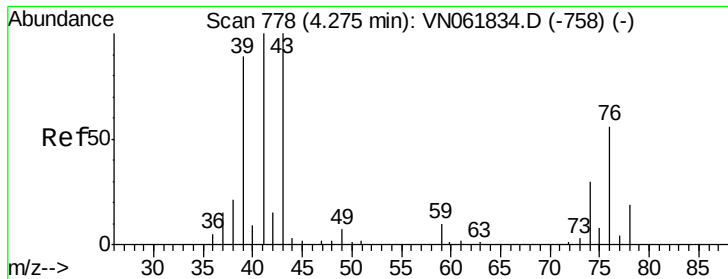
Tot Ion: 41 Resp: 357
Ion Ratio Lower Upper
41 100
39 285.7 60.2 90.2#
76 0.0 36.3 54.5#



#16
Acetone
Concen: 4.446 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN061873.D
Acq: 18 Jun 2020 1:52

Tgt Ion: 43 Resp: 2318
Ion Ratio Lower Upper
43 100
58 32.7 27.8 41.8

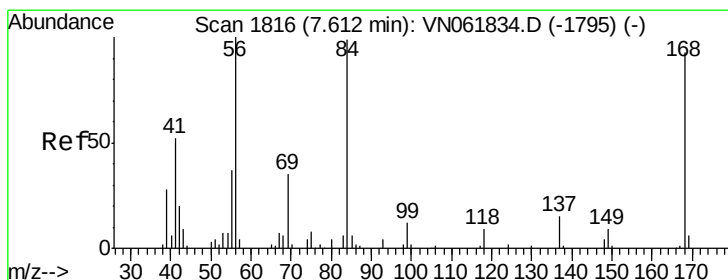
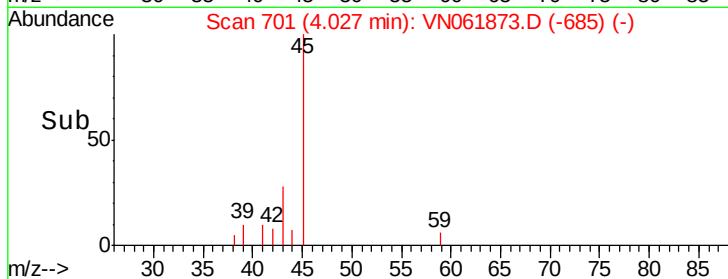
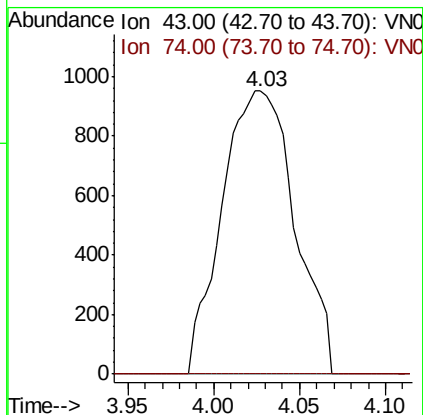
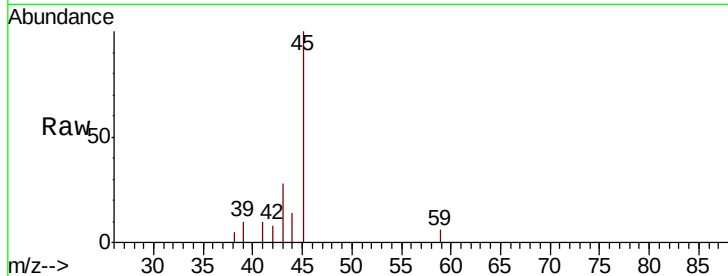




#18
Methvl Acetate
Concen: 1.873 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.25 min
Lab File: VN061873.D
Acq: 18 Jun 2020 1:52

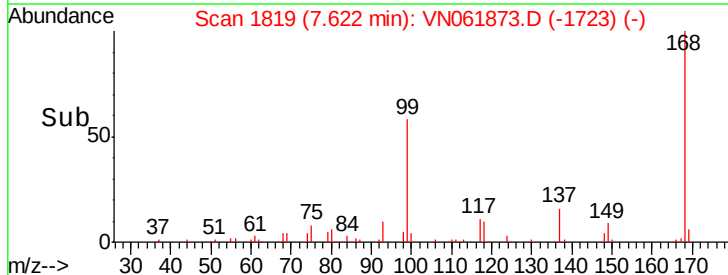
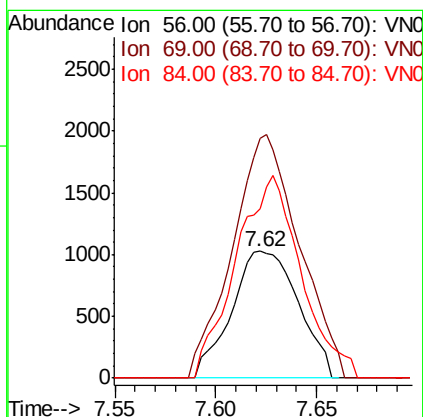
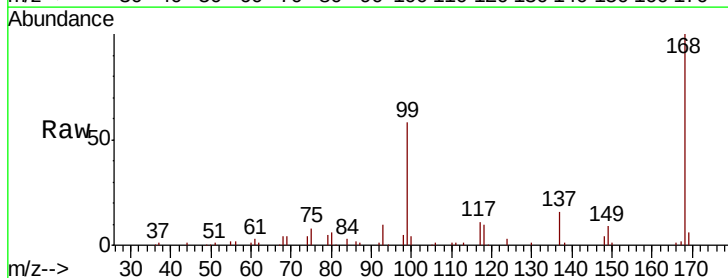
Instrument :
MSVOA_N
ClientSampleId :
RE126D1-20200611

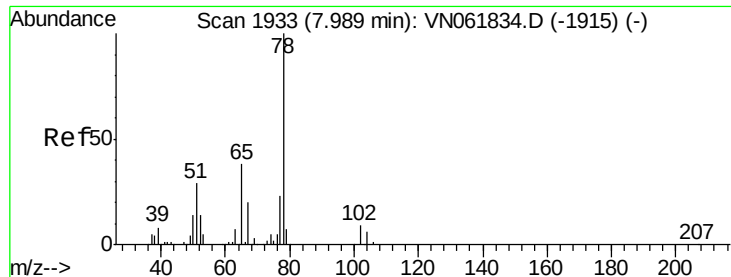
Tot Ion: 43 Resp: 2812
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#



#31
Cyclohexane
Concen: 1.019 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061873.D
Acq: 18 Jun 2020 1:52

Tgt Ion: 56 Resp: 2370
Ion Ratio Lower Upper
56 100
69 189.9 27.7 41.5#
84 134.0 79.1 118.7#

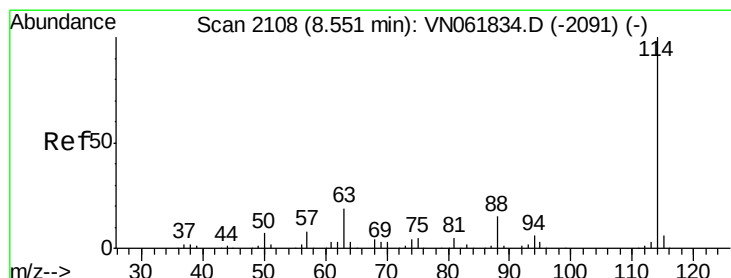
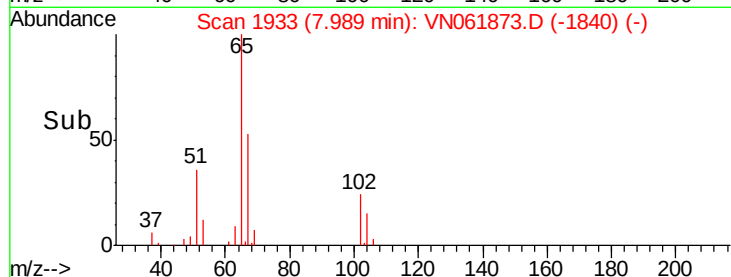
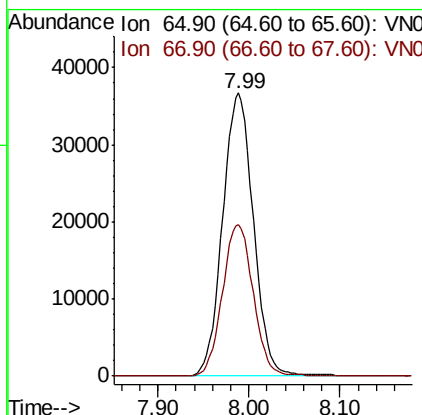
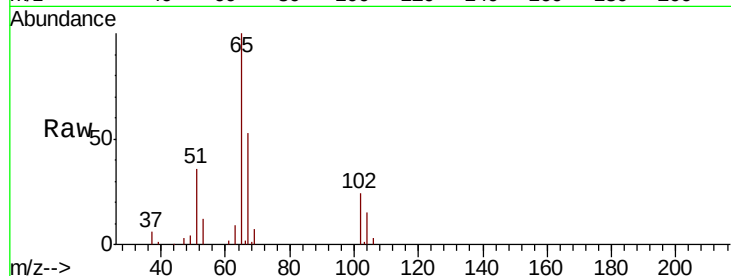




#33
 1,2-Dichloroethane-d4
 Concen: 48.885 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061873.D
 Acq: 18 Jun 2020 1:52

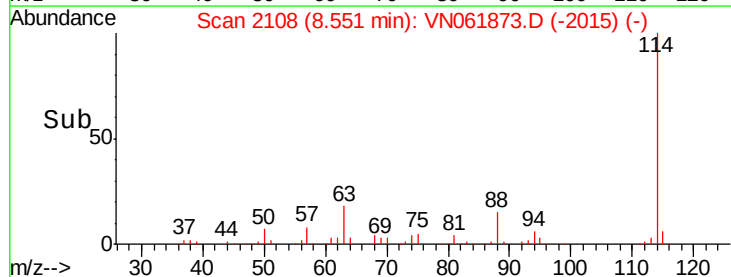
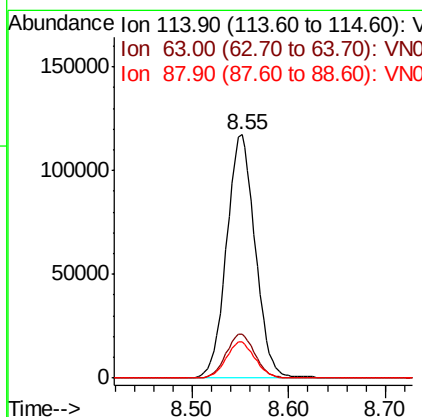
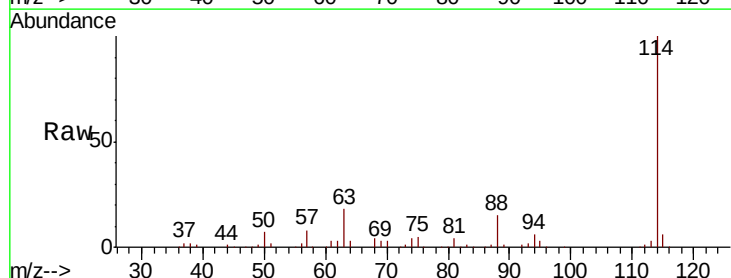
Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D1-20200611

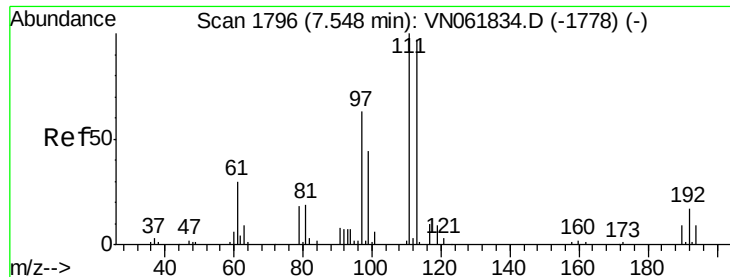
Tot Ion: 65 Resp: 86284
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061873.D
 Acq: 18 Jun 2020 1:52

Tgt Ion: 114 Resp: 241042
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 37.6
 88 14.7 0.0 31.0

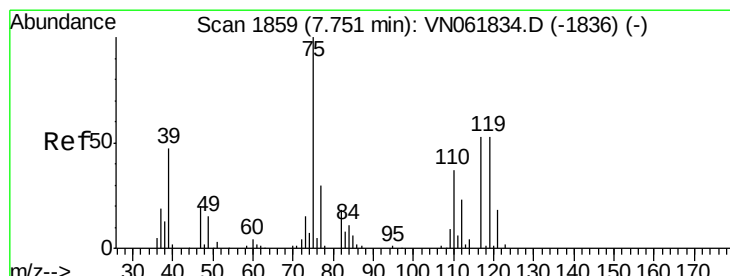
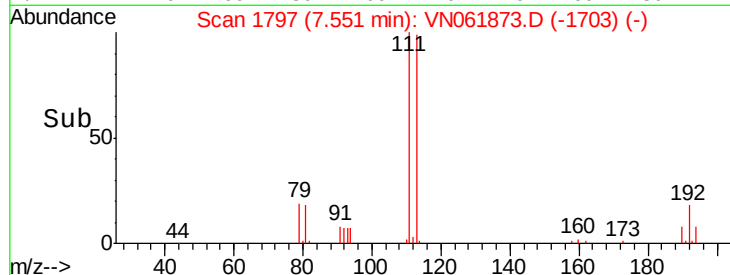
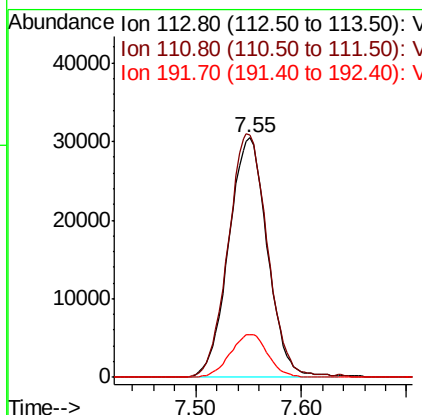
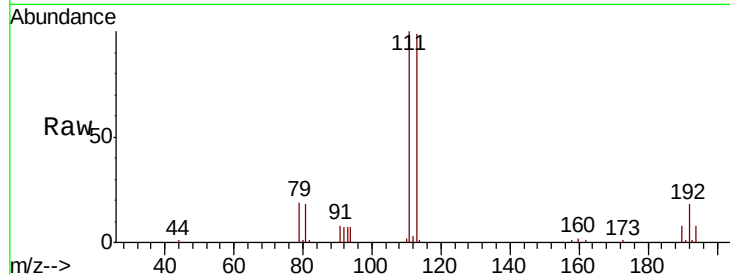




#35
 Dibromofluoromethane
 Concen: 50.348 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061873.D
 Acq: 18 Jun 2020 1:52

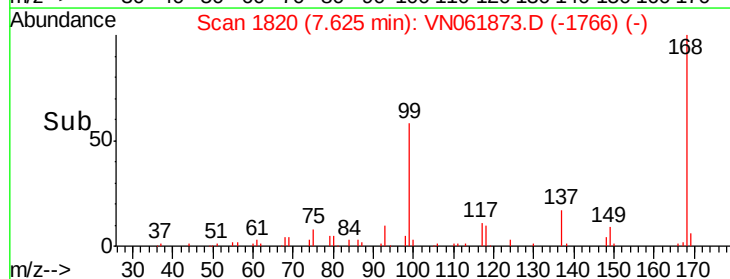
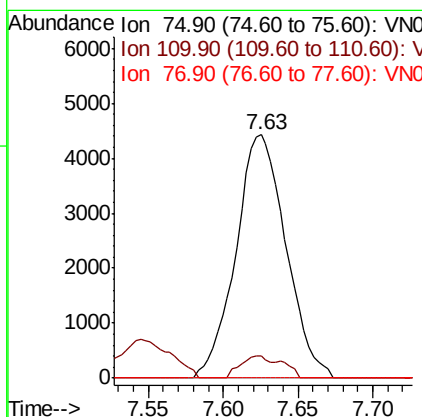
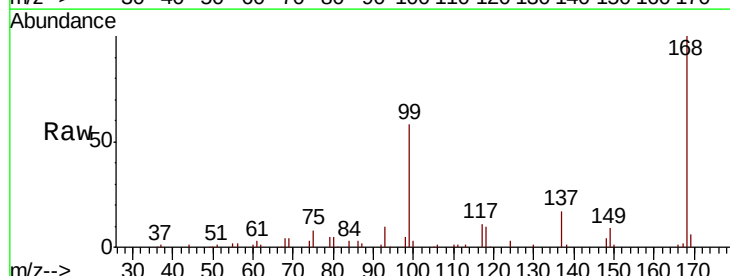
Instrument :
 MSVOA_N
 ClientSampleId :
 RE126D1-20200611

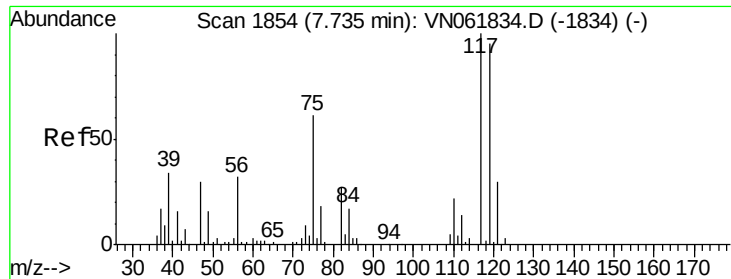
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.7	125.5
192	17.4	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.692 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061873.D
 Acq: 18 Jun 2020 1:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.2	54.6#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.203 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061873.D

Acq: 18 Jun 2020 1:52

Instrument :

MSVOA_N

ClientSampleId :

RE126D1-20200611

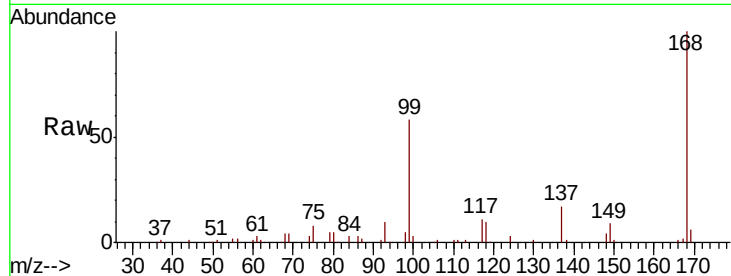
Tot Ion:117 Resp: 13506

Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.6#

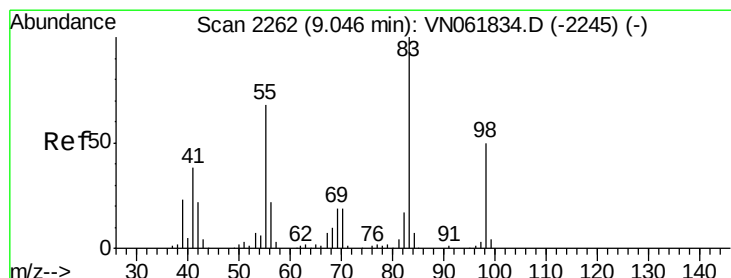
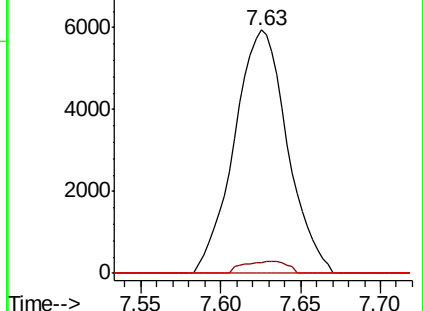
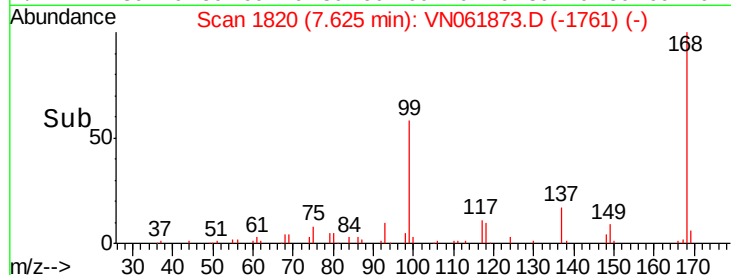
121 0.0 23.8 35.6#



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: 0.240 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.24 min

Lab File: VN061873.D

Acq: 18 Jun 2020 1:52

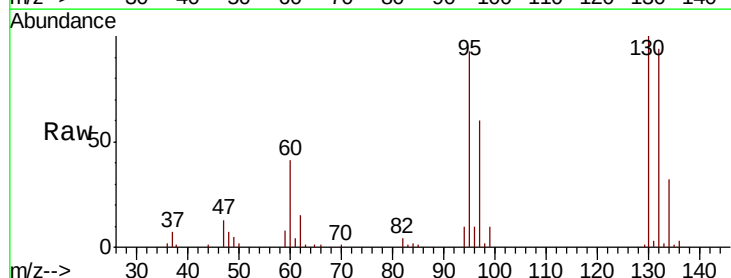
Tgt Ion: 83 Resp: 569

Ion Ratio Lower Upper

83 100

55 0.0 54.2 81.4#

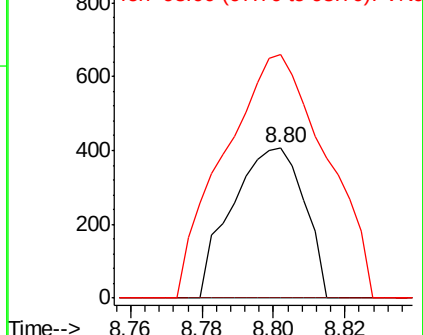
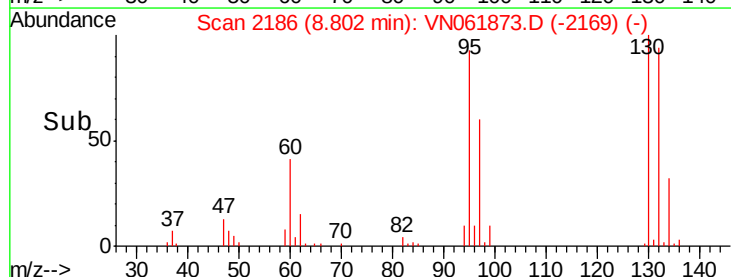
98 121.9 39.8 59.6#

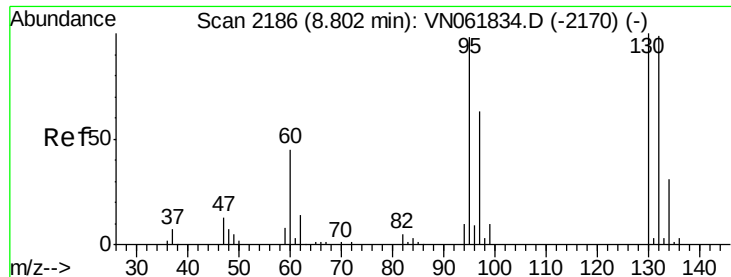


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#44

Trichloroethene

Concen: 33.067 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061873.D

Acq: 18 Jun 2020 1:52

Instrument :

MSVOA_N

ClientSampleId :

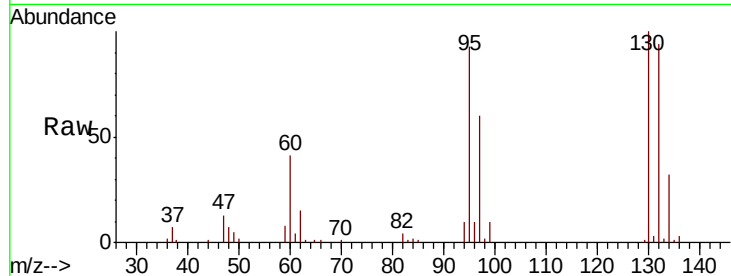
RE126D1-20200611

Tot Ion:130 Resp: 57958

Ion Ratio Lower Upper

130 100

95 93.2 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

30000

25000

20000

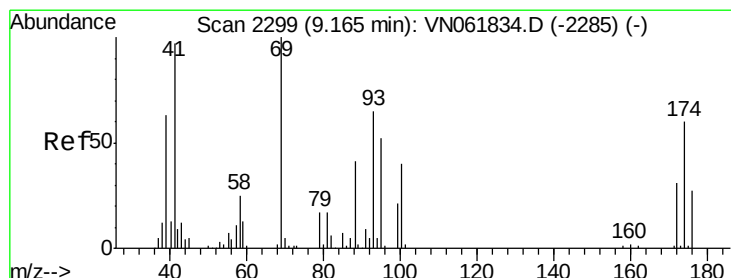
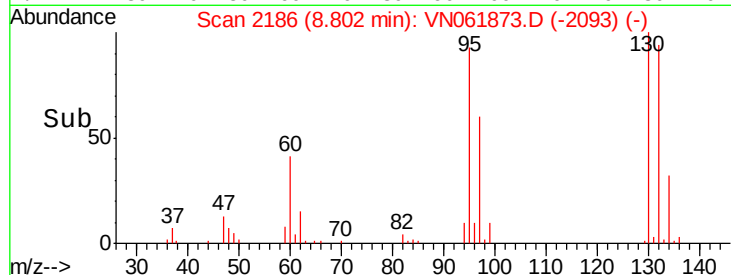
15000

10000

5000

0

Time--> 8.70 8.75 8.80 8.85 8.90



#49

1,4-Dioxane

Concen: 5.164 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. 0.01 min

Lab File: VN061873.D

Acq: 18 Jun 2020 1:52

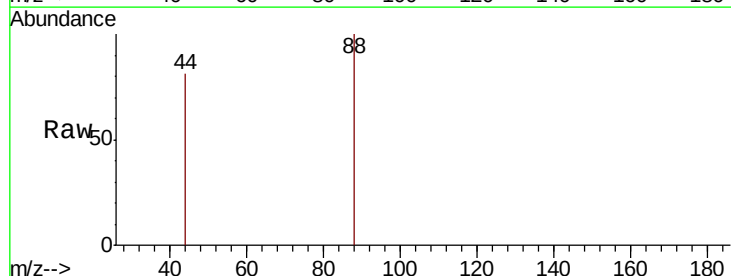
Tgt Ion: 88 Resp: 156

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 43.6 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

300

250

200

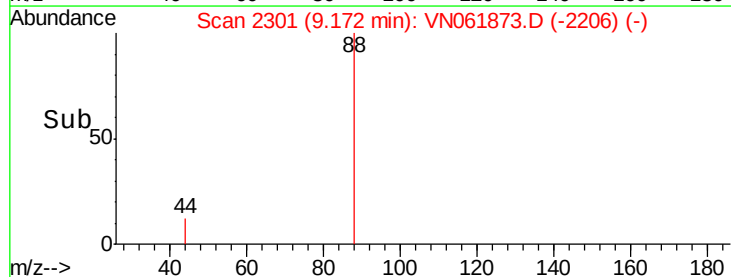
150

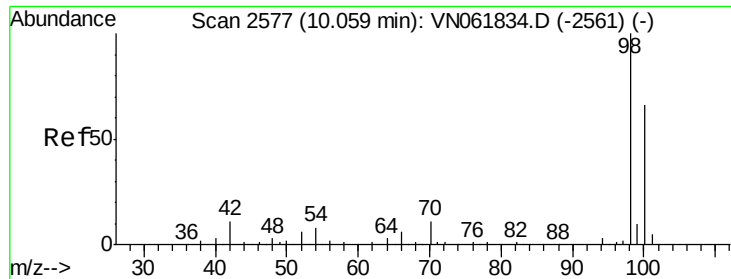
100

50

0

Time--> 9.15 9.16 9.17 9.18





#50

Toluene-d8

Concen: 48.972 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061873.D

Acq: 18 Jun 2020 1:52

Instrument :

MSVOA_N

ClientSampleId :

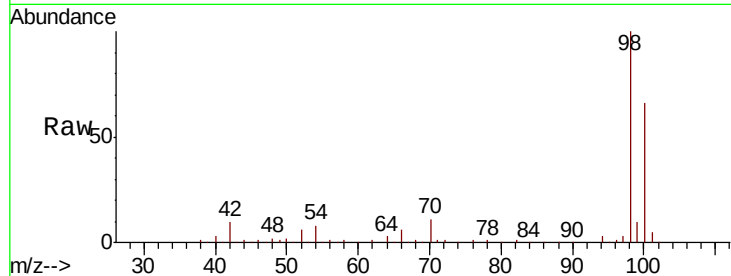
RE126D1-20200611

Tot Ion: 98 Resp: 296891

Ion Ratio Lower Upper

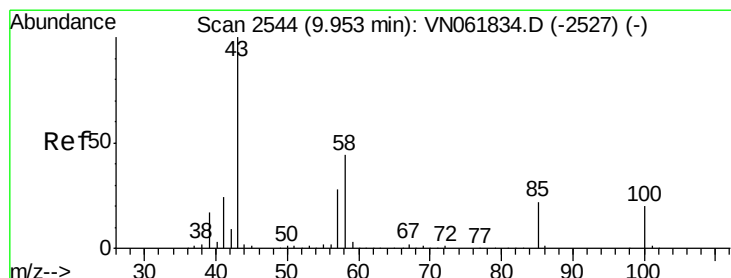
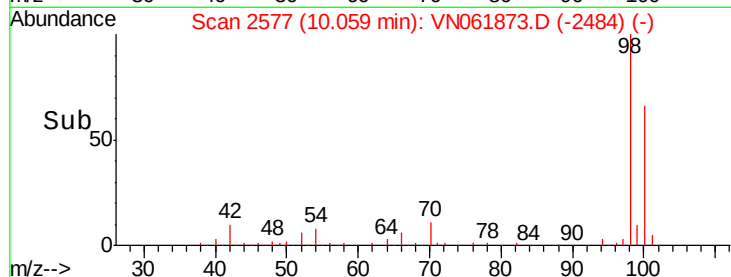
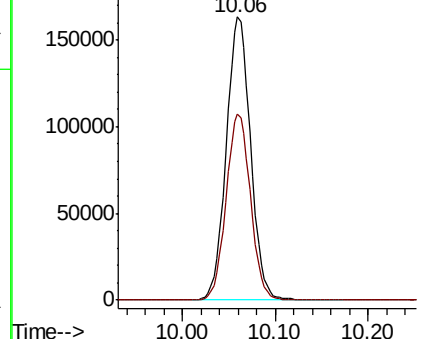
98 100

100 65.8 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: 0.645 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061873.D

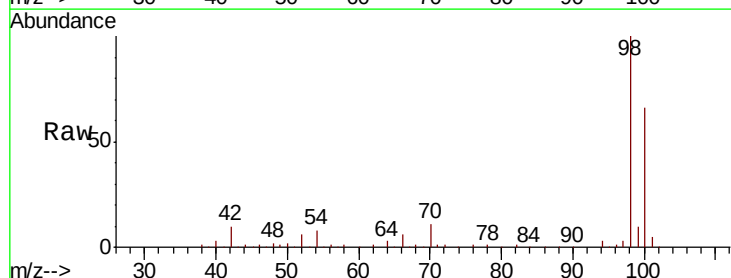
Acq: 18 Jun 2020 1:52

Tgt Ion: 43 Resp: 1103

Ion Ratio Lower Upper

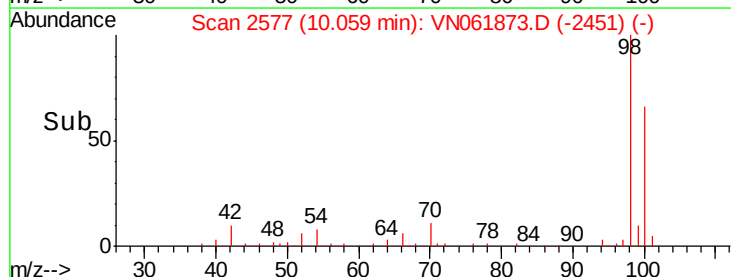
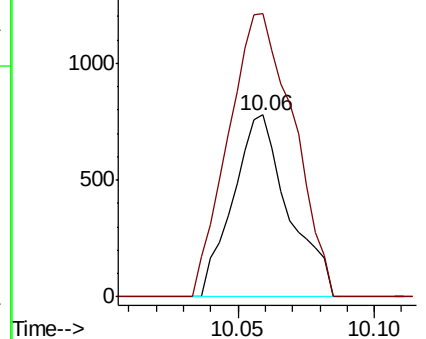
43 100

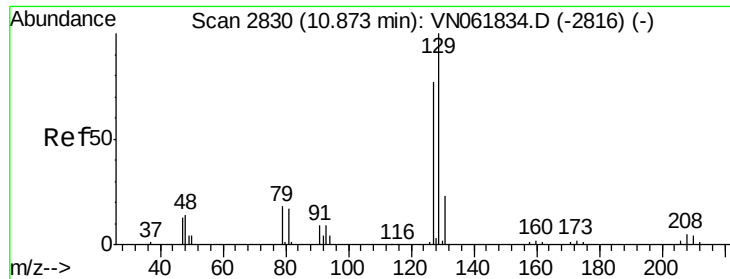
58 182.9 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

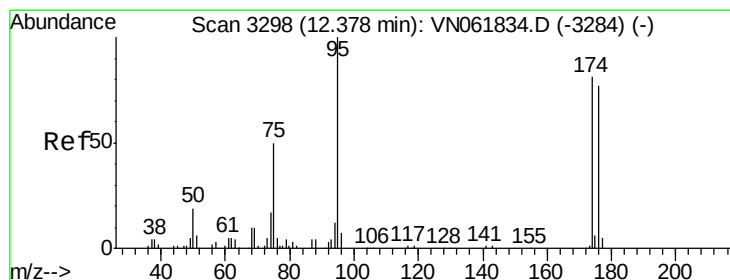
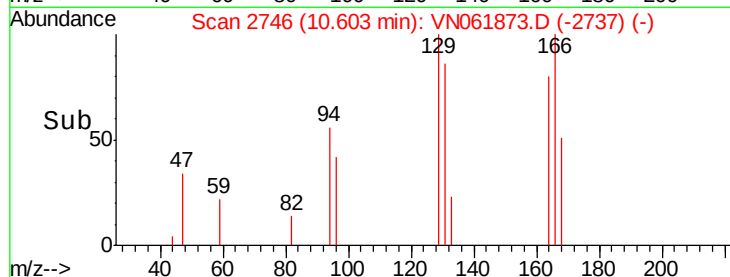
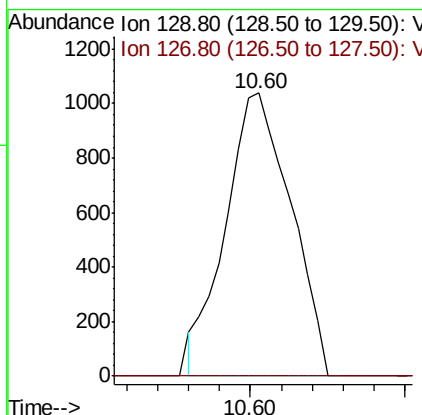
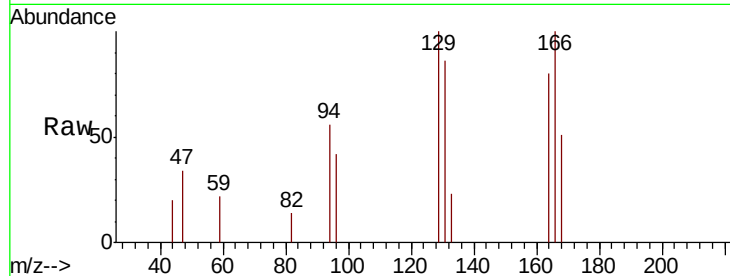




#60
Dibromochloromethane
Concen: 0.830 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.27 min
Lab File: VN061873.D
Acq: 18 Jun 2020 1:52

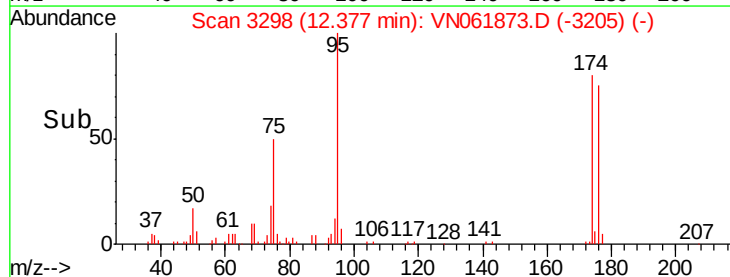
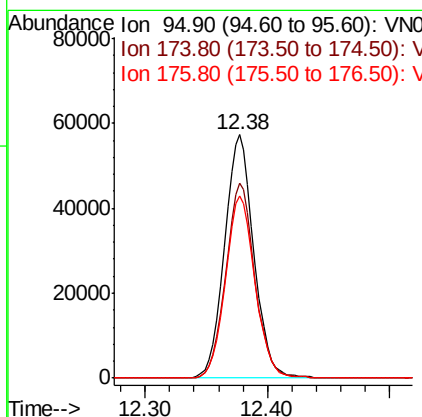
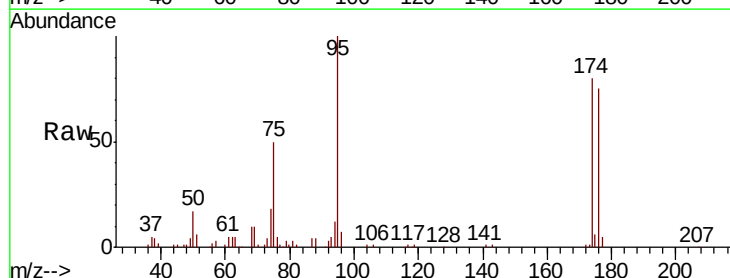
Instrument :
MSVOA_N
ClientSampleId :
RE126D1-20200611

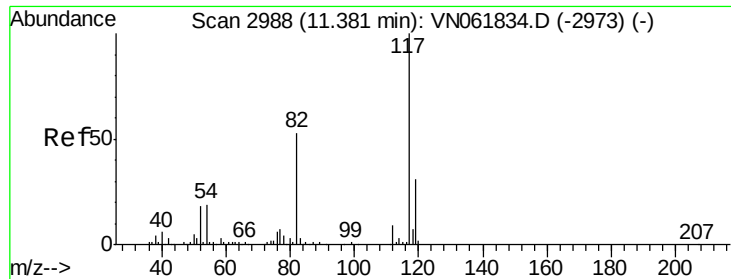
Tot Ion:129 Resp: 1525
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 46.138 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061873.D
Acq: 18 Jun 2020 1:52

Tgt Ion: 95 Resp: 95945
Ion Ratio Lower Upper
95 100
174 79.6 0.0 158.6
176 75.6 0.0 152.0

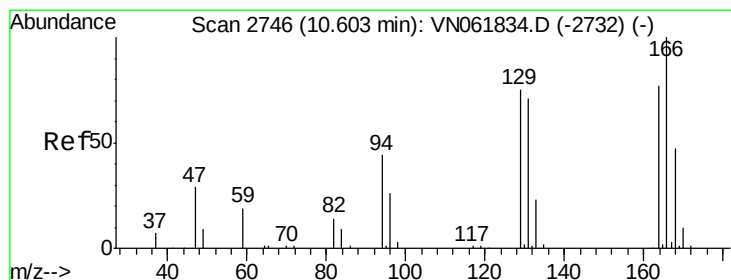
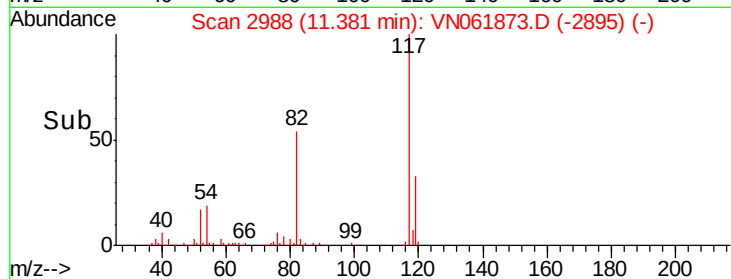
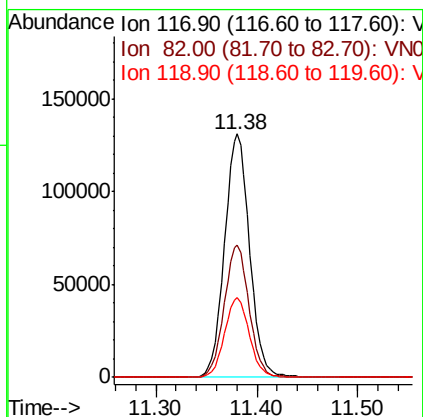
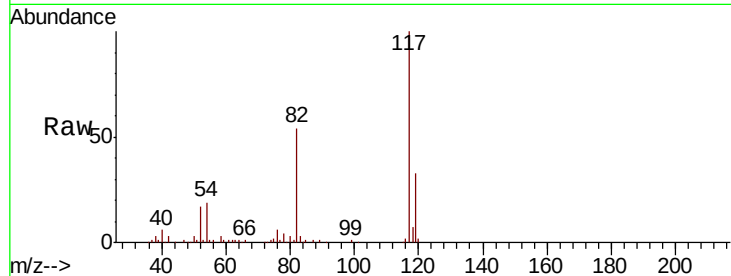




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061873.D
Acq: 18 Jun 2020 1:52

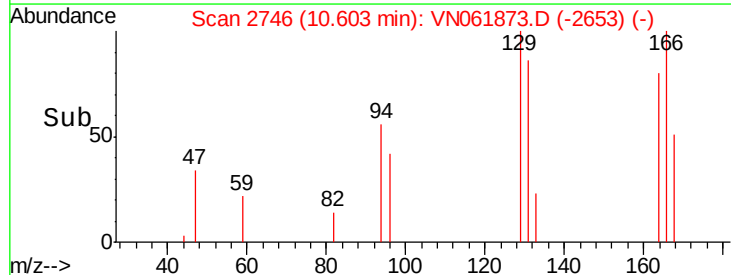
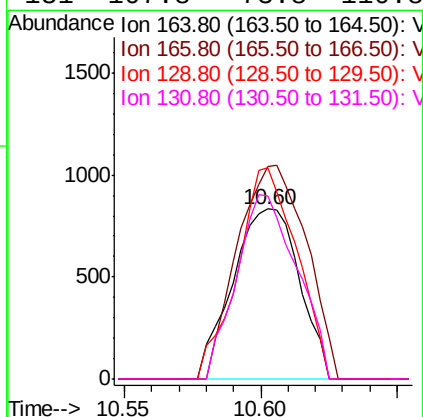
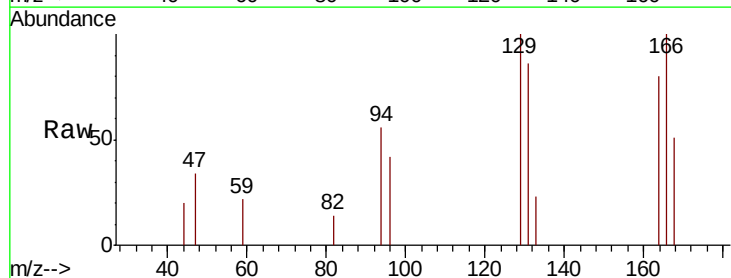
Instrument :
MSVOA_N
ClientSampleId :
RE126D1-20200611

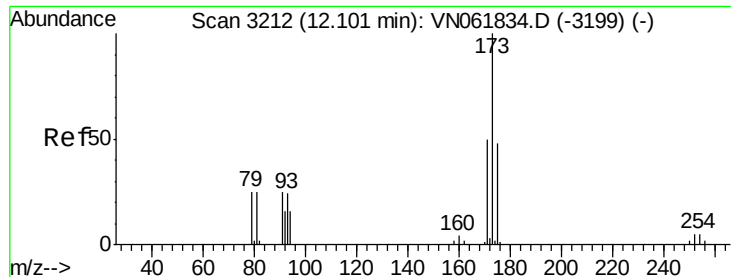
Tot Ion:117 Resp: 227383
Ion Ratio Lower Upper
117 100
82 54.5 42.6 64.0
119 32.7 24.7 37.1



#64
Tetrachloroethene
Concen: 0.978 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061873.D
Acq: 18 Jun 2020 1:52

Tgt Ion:164 Resp: 1417
Ion Ratio Lower Upper
164 100
166 124.8 103.5 155.3
129 124.5 77.5 116.3#
131 107.8 73.8 110.8





#71

Bromoform

Concen: 0.610 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061873.D

Acq: 18 Jun 2020 1:52

Instrument :

MSVOA_N

ClientSampleId :

RE126D1-20200611

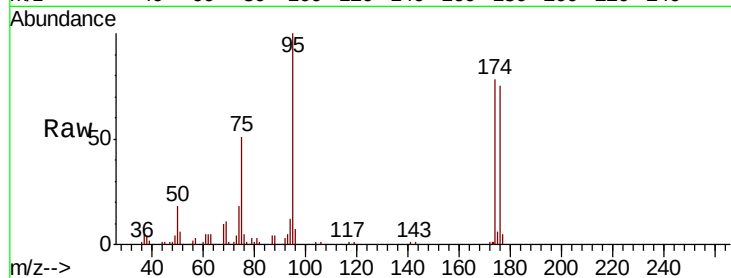
Tot Ion:173 Resp: 744

Ion Ratio Lower Upper

173 100

175 675.1 23.9 71.7#

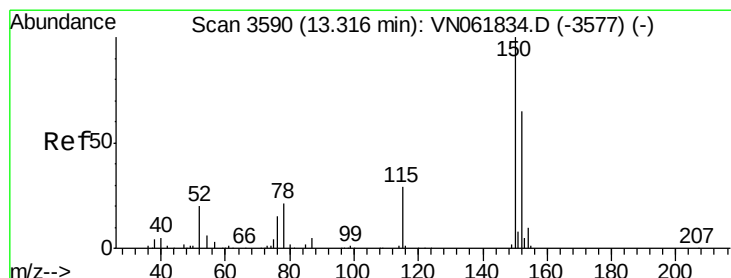
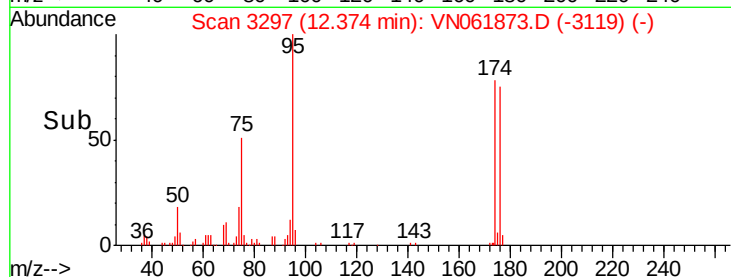
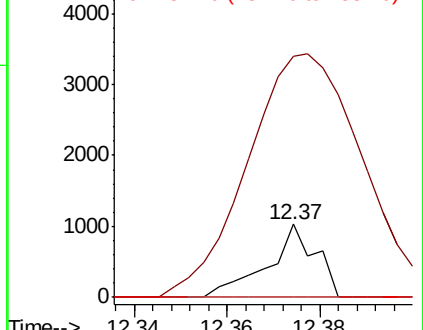
254 0.0 0.0 0.0



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: VN061873.D

Acq: 18 Jun 2020 1:52

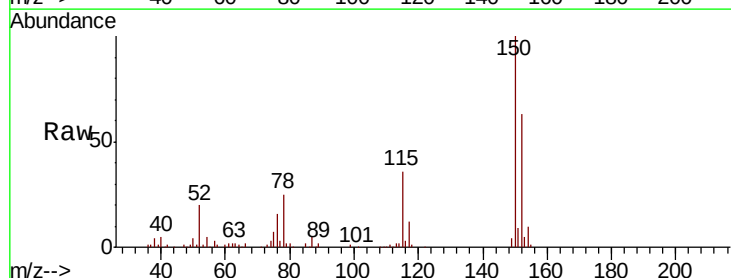
Tgt Ion:152 Resp: 85781

Ion Ratio Lower Upper

152 100

115 58.1 29.1 87.3

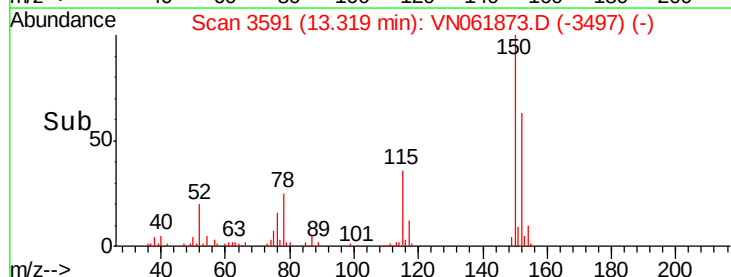
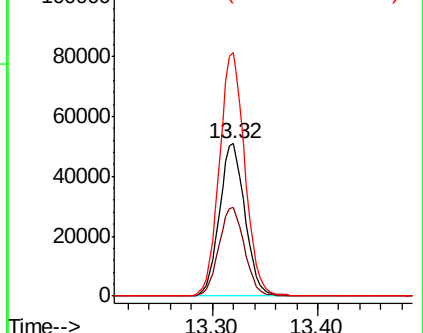
150 158.0 0.0 347.6

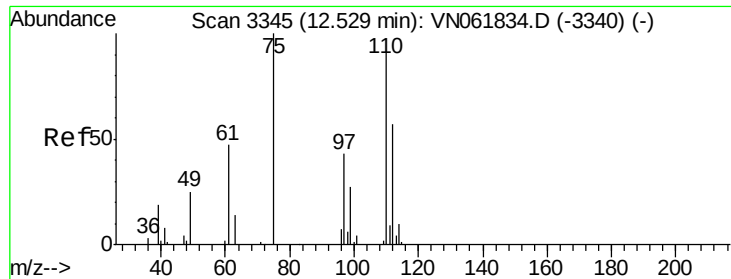


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.199 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061873.D

Acq: 18 Jun 2020 1:52

Instrument :

MSVOA_N

ClientSampleId :

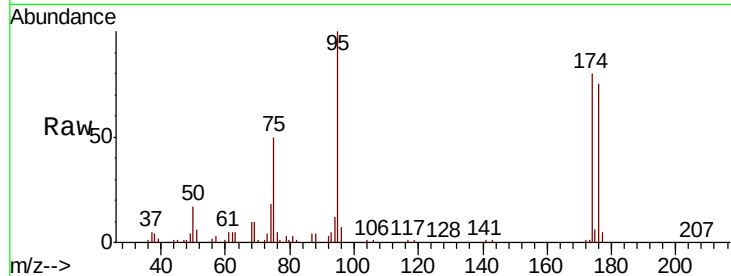
RE126D1-20200611

Tot Ion: 75 Resp: 47489

Ion Ratio Lower Upper

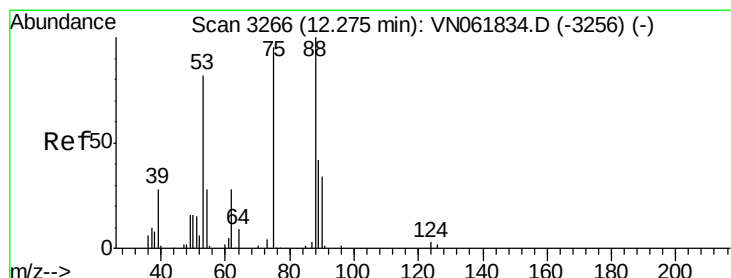
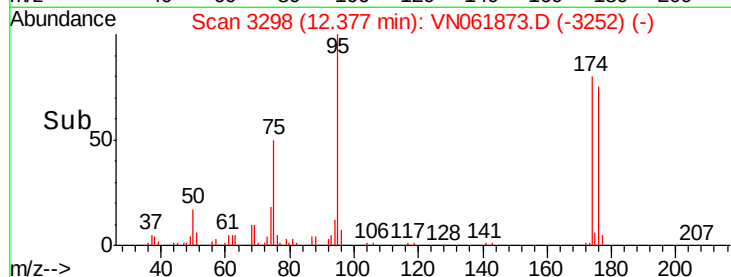
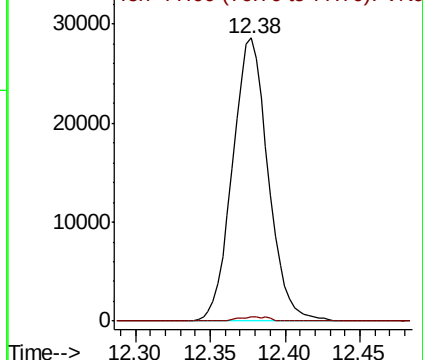
75 100

77 1.2 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: 76.909 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061873.D

Acq: 18 Jun 2020 1:52

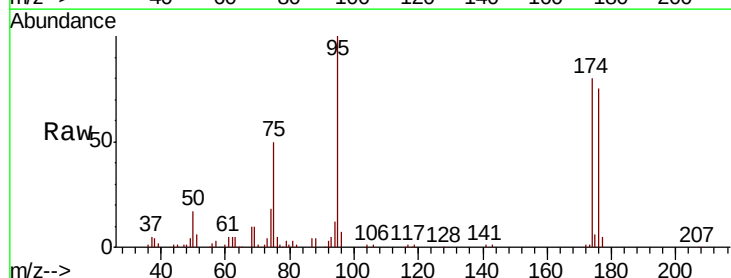
Tgt Ion: 75 Resp: 47489

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

