

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063627.D
 Acq On : 24 Sep 2020 14:40
 Operator : JC/MD
 Sample : L4083-01DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20200916DL

Quant Time: Sep 25 03:49:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	199853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	377734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	382265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161426	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	169604	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
35) Dibromofluoromethane	7.55	113	124438	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	
50) Toluene-d8	10.06	98	488200	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.38	95	190544	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	

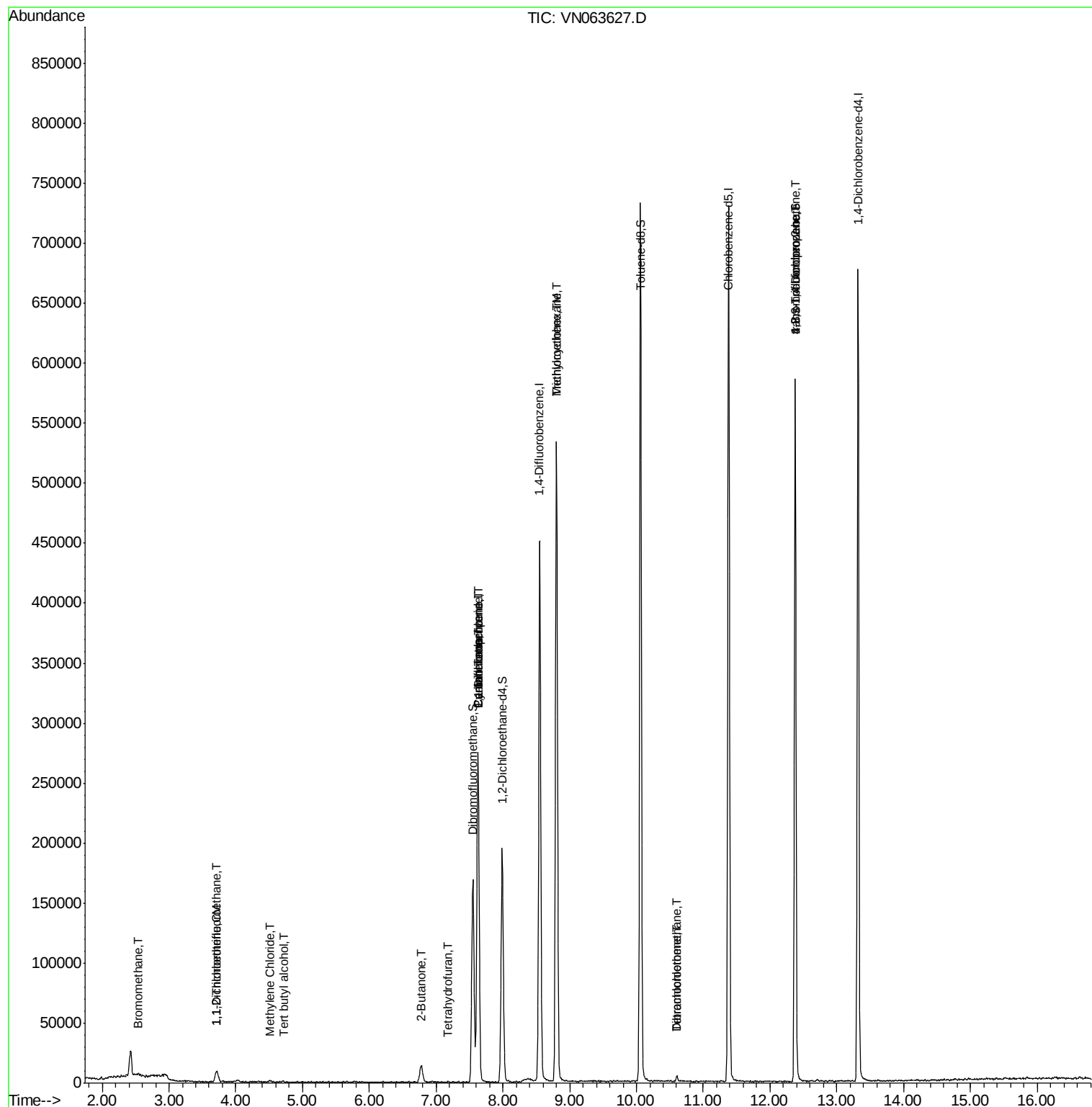
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	366	0.232	ug/l #	3
9) 1,1,2-Trichlorotrifluoroet	3.71	101	4102	1.842	ug/l #	91
11) Tert butyl alcohol	4.71	59	283	0.600	ug/l #	72
12) 1,1-Dichloroethene	3.70	96	1416	0.628	ug/l	88
20) Methylene Chloride	4.52	84	902	0.326	ug/l #	32
25) 2-Butanone	6.79	43	681	0.405	ug/l #	51
29) Tetrahydrofuran	7.18	42	277	0.241	ug/l #	36
31) Cyclohexane	7.63	56	5792	1.233	ug/l #	29
36) 1,1-Dichloropropene	7.63	75	19190	4.769	ug/l #	51
38) Carbon Tetrachloride	7.62	117	23217	5.652	ug/l #	18
39) Methylcyclohexane	8.80	83	2574	0.589	ug/l #	1
44) Trichloroethene	8.80	130	175927	63.140	ug/l	99
60) Dibromochloromethane	10.60	129	918	0.296	ug/l #	10
64) Tetrachloroethene	10.60	164	899	0.345	ug/l #	74
76) 1,2,3-Trichloropropane	12.38	75	108075	27.049	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	108075	74.158	ug/l #	7

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063627.D

Acq: 24 Sep 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

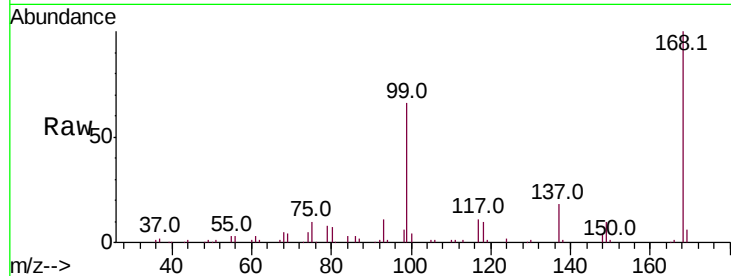
RE120D1-20200916DL

Tot Ion:168 Resp: 199853

Ion Ratio Lower Upper

168 100

99 65.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

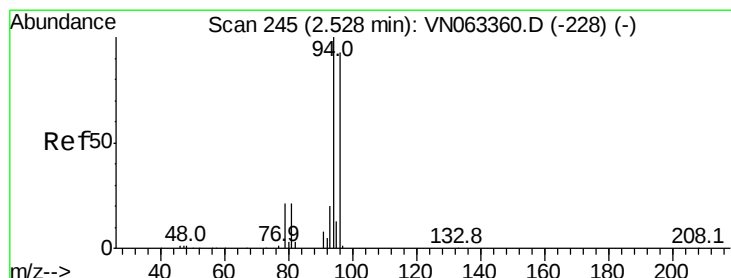
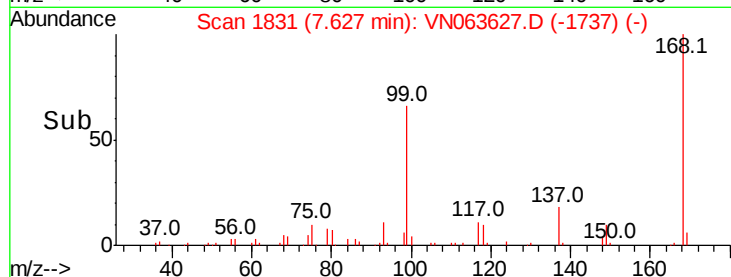
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.232 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN063627.D

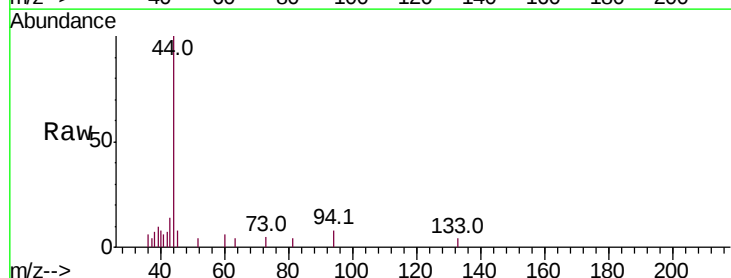
Acq: 24 Sep 2020 14:40

Tgt Ion: 94 Resp: 366

Ion Ratio Lower Upper

94 100

96 0.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.54

400

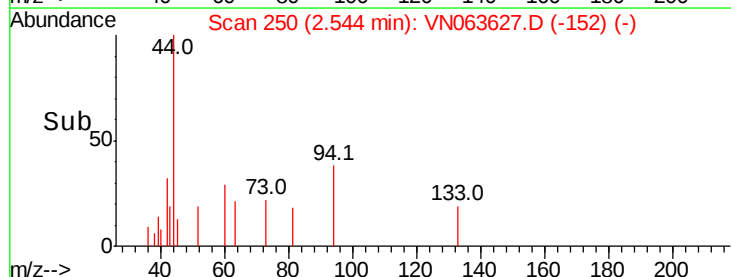
300

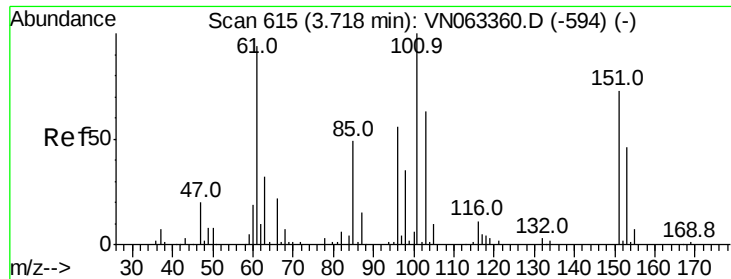
200

100

0

Time--> 2.52 2.54 2.56





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.842 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN063627.D

Acq: 24 Sep 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20200916DL

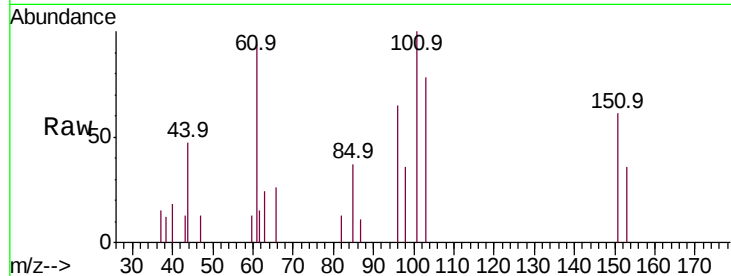
Tot Ion:101 Resp: 4102

Ion Ratio Lower Upper

101 100

85 37.6 37.7 56.5#

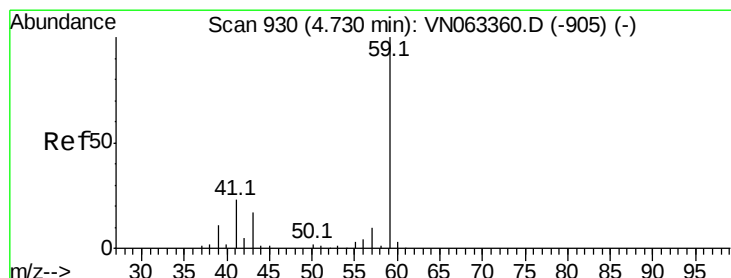
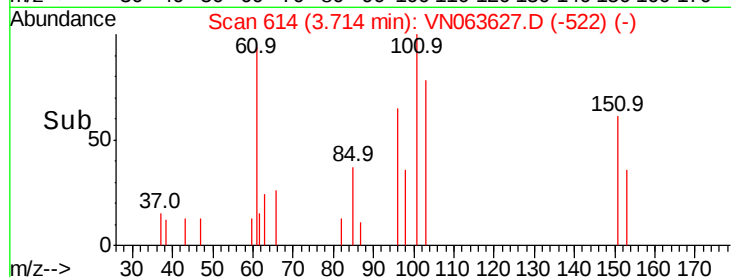
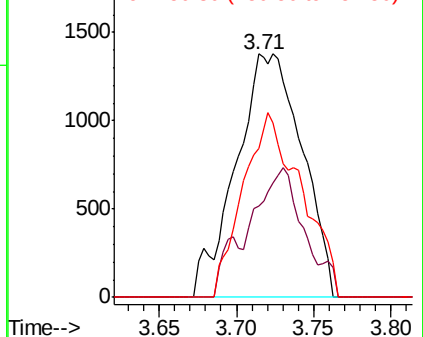
151 67.0 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.600 ug/l

RT: 4.71 min Scan# 924

Delta R.T. -0.02 min

Lab File: VN063627.D

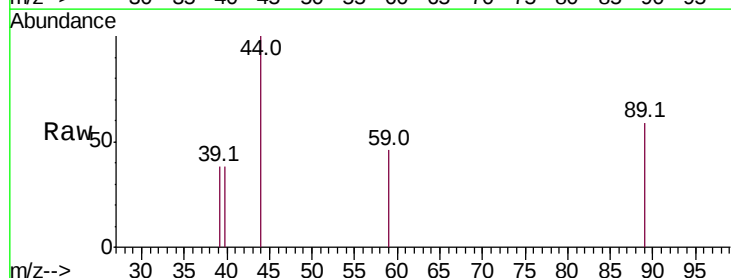
Acq: 24 Sep 2020 14:40

Tgt Ion: 59 Resp: 283

Ion Ratio Lower Upper

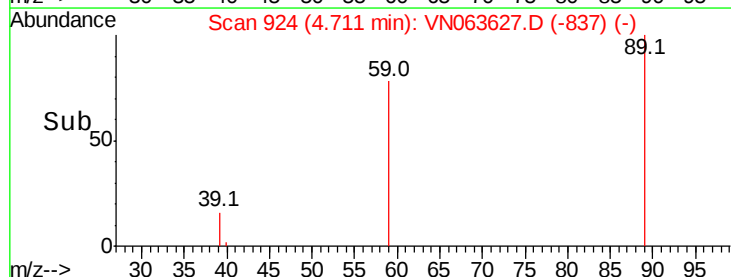
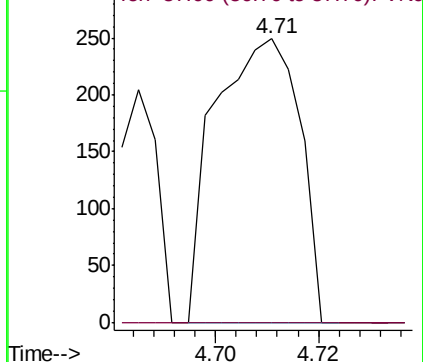
59 100

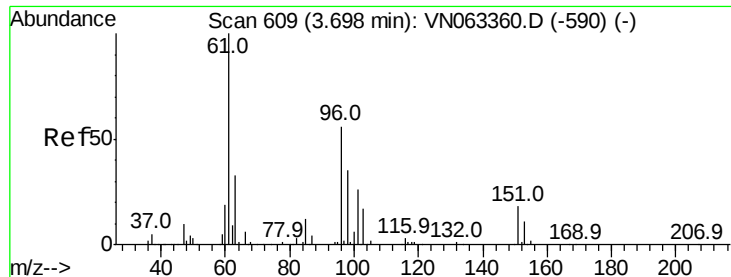
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

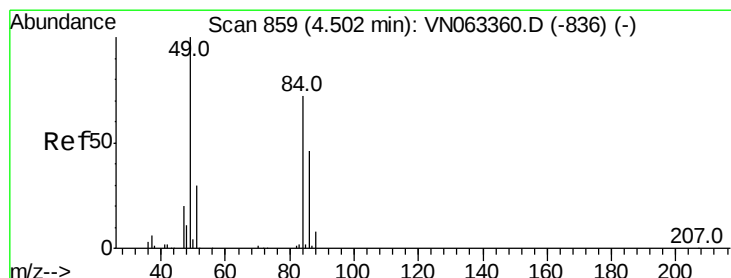
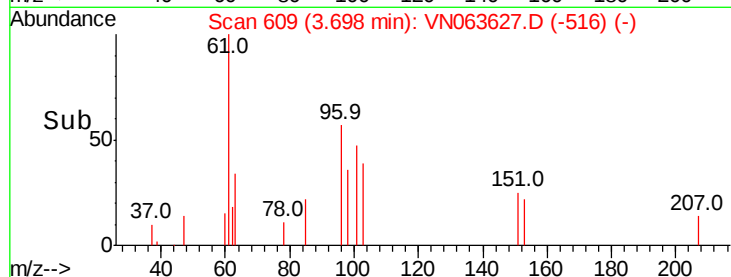
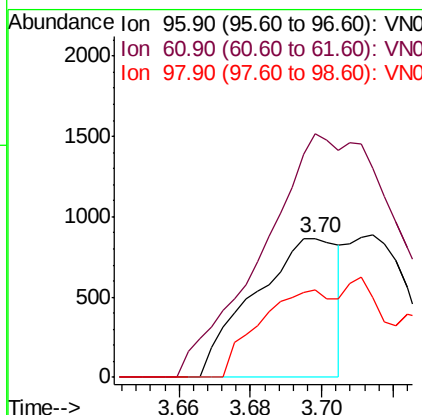
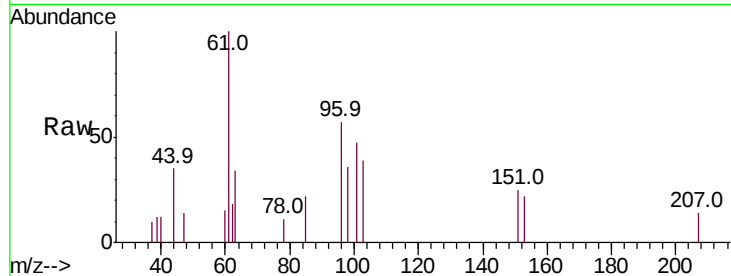




#12
 1,1-Dichloroethene
 Concen: 0.628 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063627.D
 Acq: 24 Sep 2020 14:40

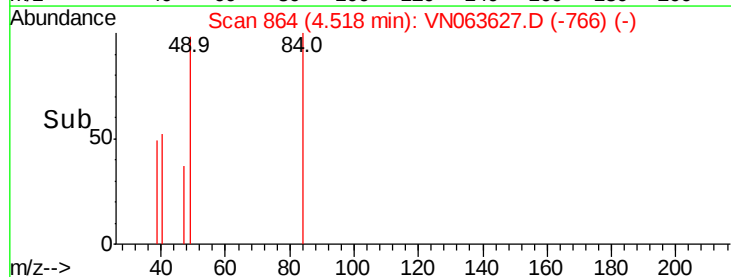
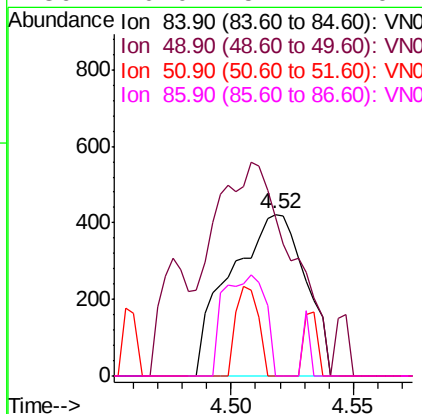
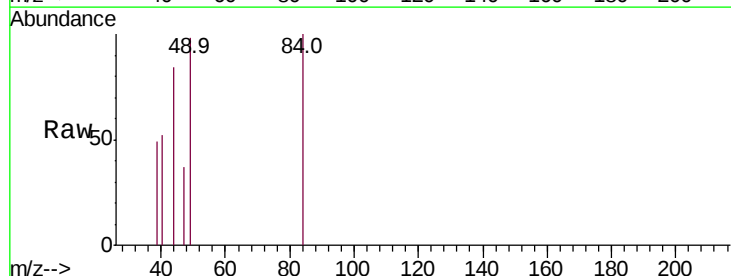
Instrument :
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 RE120D1-20200916DL

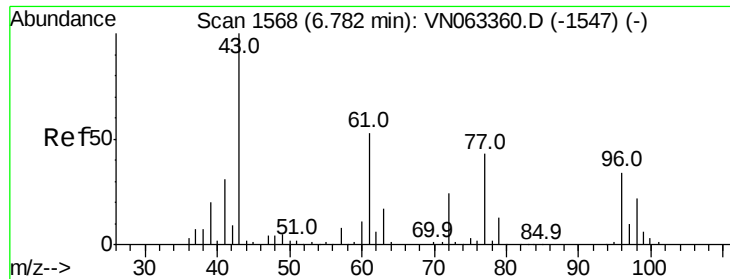
Tot Ion: 96 Resp: 1416
 Ion Ratio Lower Upper
 96 100
 61 156.6 143.4 215.2
 98 62.7 50.6 76.0



#20
 Methylene Chloride
 Concen: 0.326 ug/l
 RT: 4.52 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VN063627.D
 Acq: 24 Sep 2020 14:40

Tgt Ion: 84 Resp: 902
 Ion Ratio Lower Upper
 84 100
 49 62.4 110.7 166.1#
 51 0.0 32.9 49.3#
 86 0.0 51.1 76.7#





#25

2-Butanone

Concen: 0.405 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063627.D

Acq: 24 Sep 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

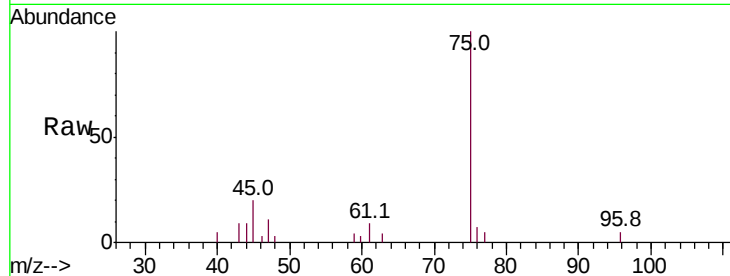
RE120D1-20200916DL

Tot Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.79

600

500

400

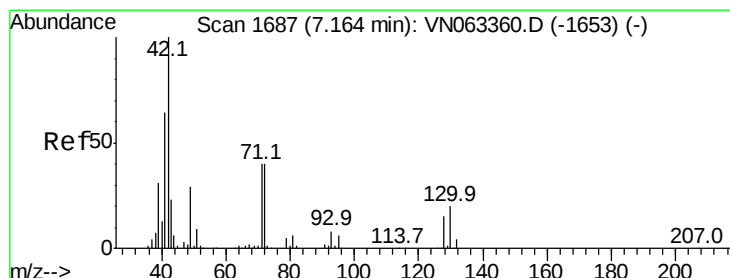
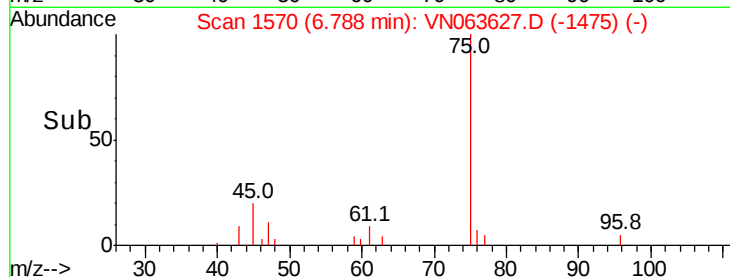
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 0.241 ug/l

RT: 7.18 min Scan# 1692

Delta R.T. 0.02 min

Lab File: VN063627.D

Acq: 24 Sep 2020 14:40

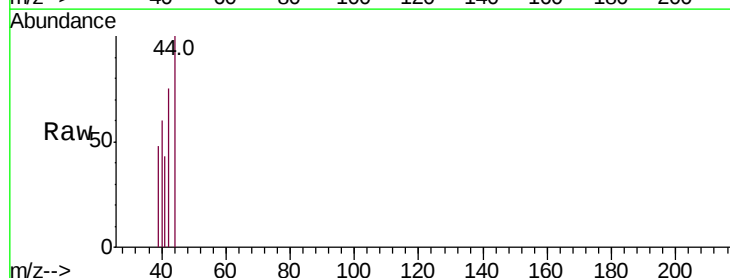
Tgt Ion: 42 Resp: 277

Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

71 0.0 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.18

400

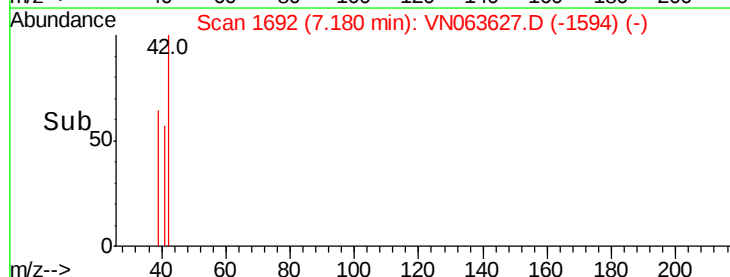
300

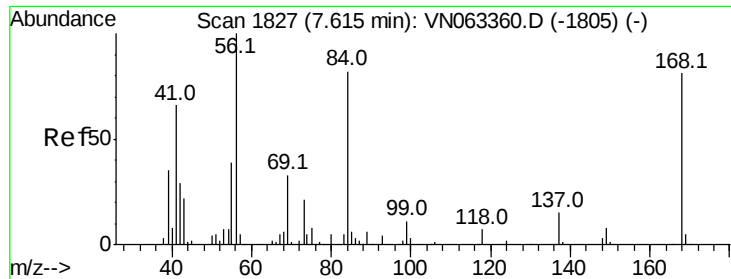
200

100

0

Time-->

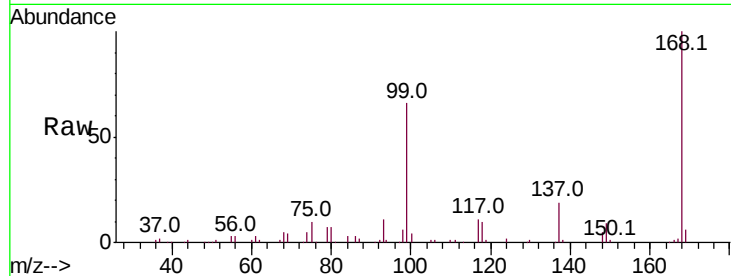




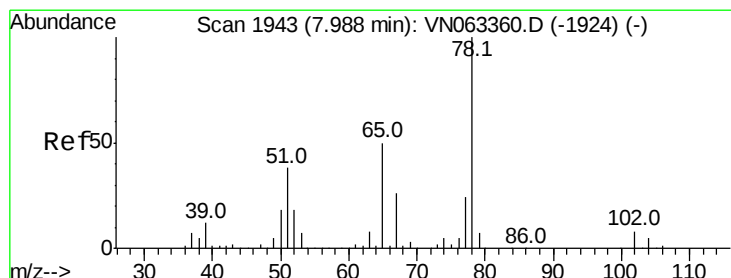
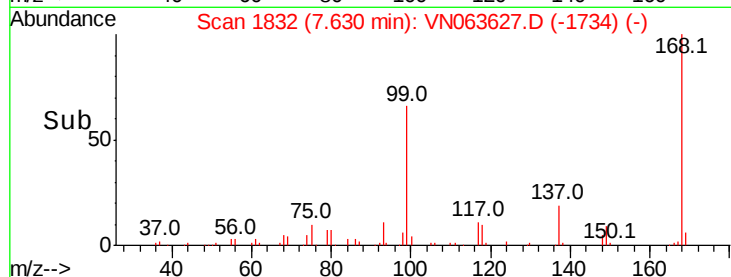
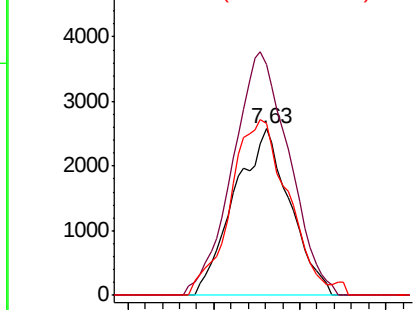
#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063627.D
Acq: 24 Sep 2020 14:40

Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20200916DL

Tot Ion: 56 Resp: 5792
Ion Ratio Lower Upper
56 100
69 138.4 26.1 39.1#
84 103.5 65.4 98.2#

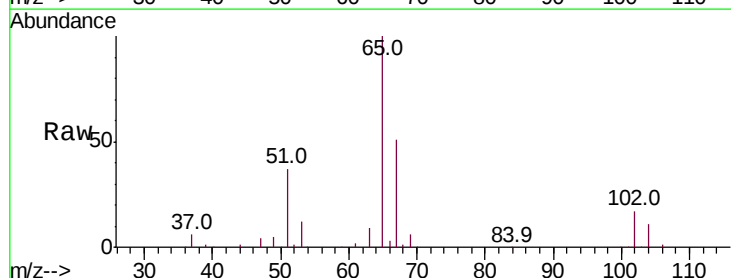


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

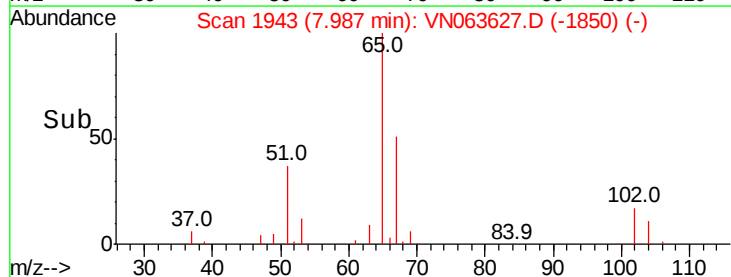
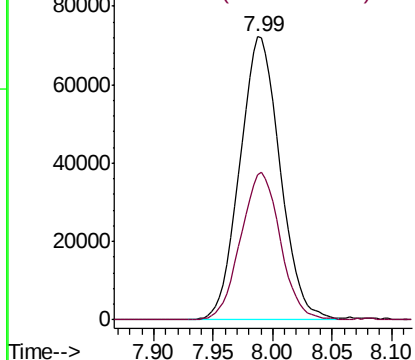


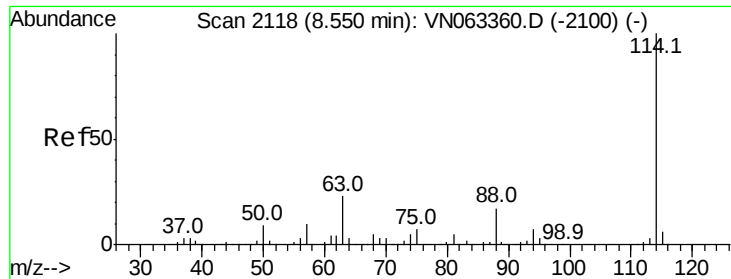
#33
1,2-Dichloroethane-d4
Concen: 49.854 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063627.D
Acq: 24 Sep 2020 14:40

Tgt Ion: 65 Resp: 169604
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.2



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

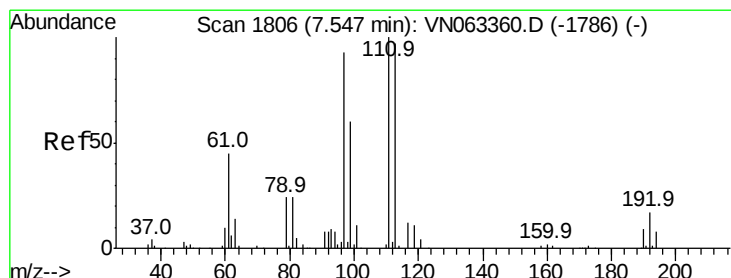
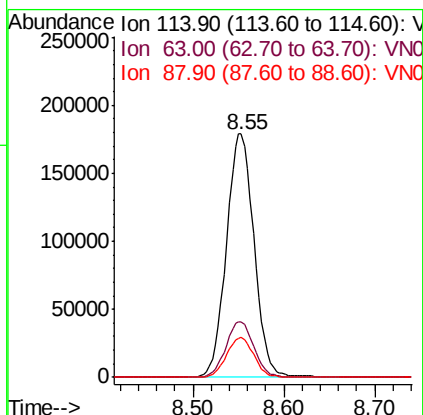
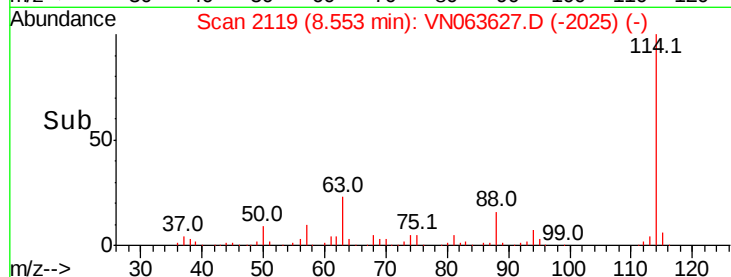
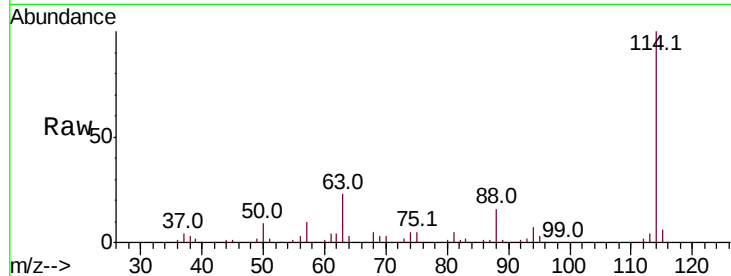




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN063627.D
Acq: 24 Sep 2020 14:40

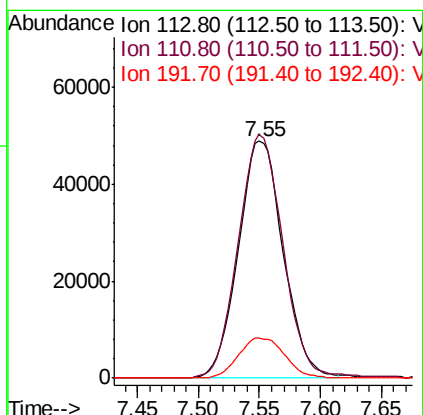
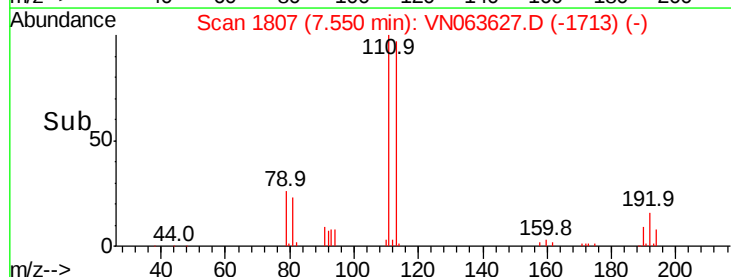
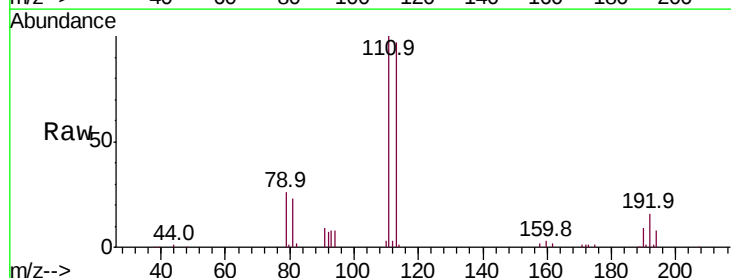
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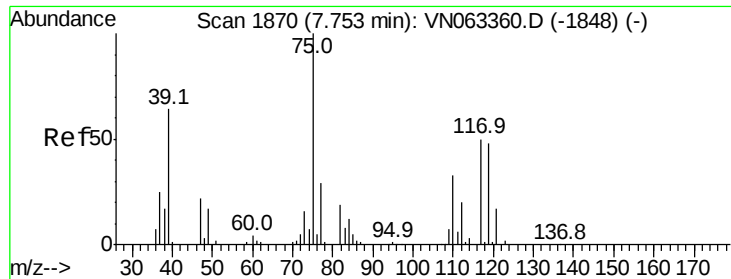
Tot Ion:114 Resp: 377734
Ion Ratio Lower Upper
114 100
63 22.6 0.0 46.4
88 16.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.587 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063627.D
Acq: 24 Sep 2020 14:40

Tgt Ion:113 Resp: 124438
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 17.5 13.9 20.9

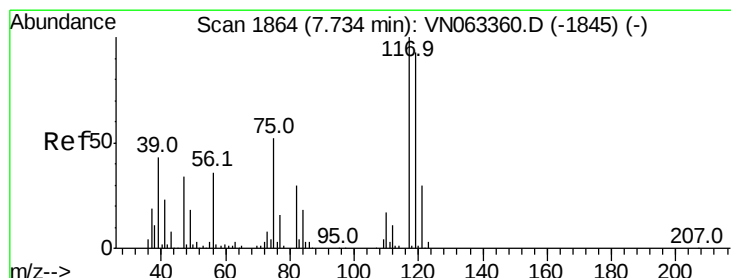
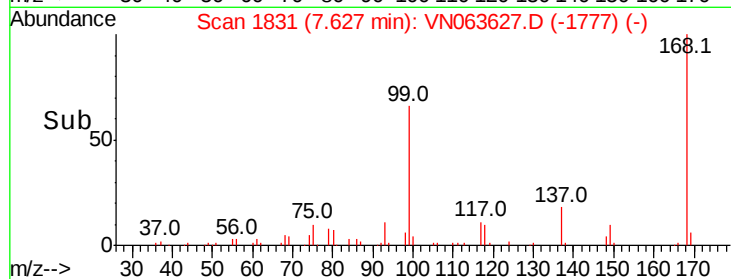
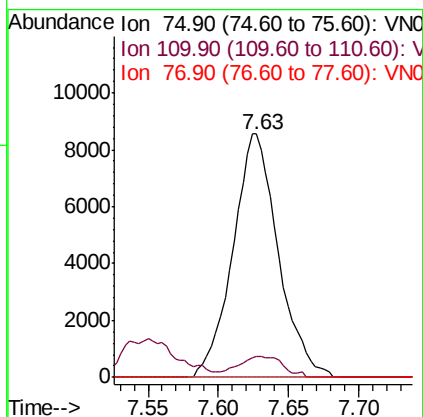
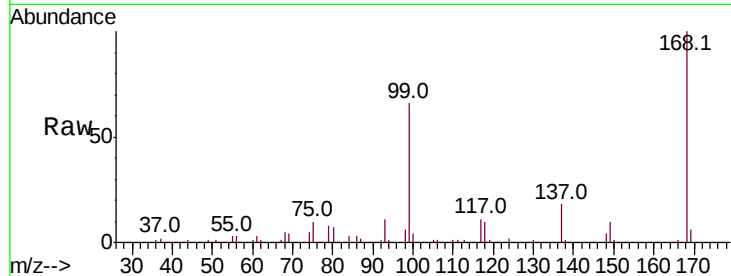




#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063627.D
 Acq: 24 Sep 2020 14:40

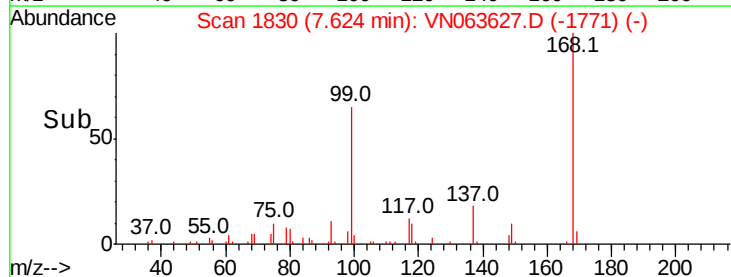
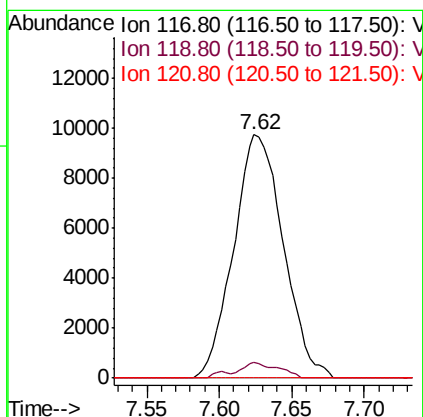
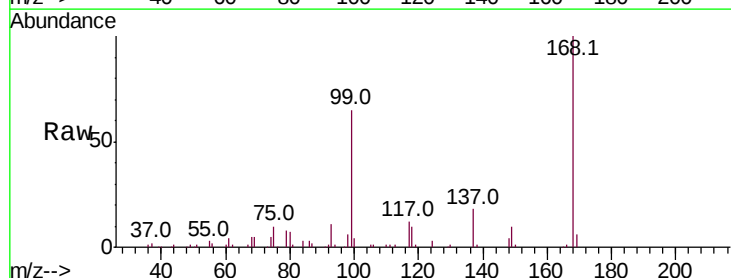
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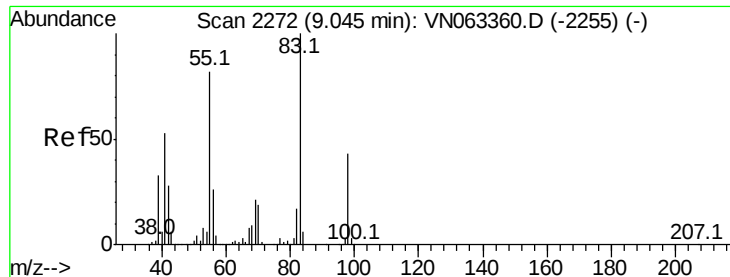
Tot Ion: 75 Resp: 19190
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.5 49.5#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.652 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN063627.D
 Acq: 24 Sep 2020 14:40

Tgt Ion: 117 Resp: 23217
 Ion Ratio Lower Upper
 117 100
 119 6.6 74.5 111.7#
 121 0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 0.589 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.24 min

Lab File: VN063627.D

Acq: 24 Sep 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

RE120D1-20200916DL

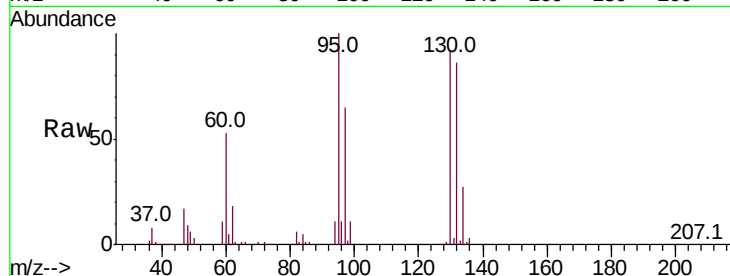
Tot Ion: 83 Resp: 2574

Ion Ratio Lower Upper

83 100

55 0.0 65.5 98.3#

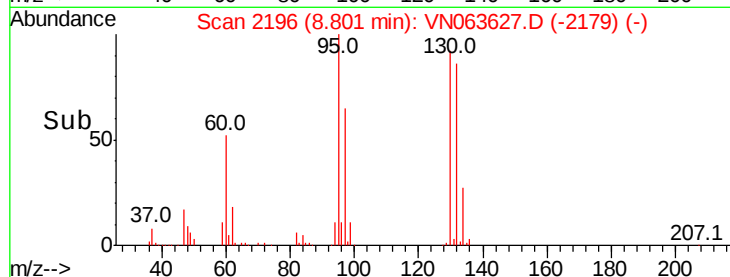
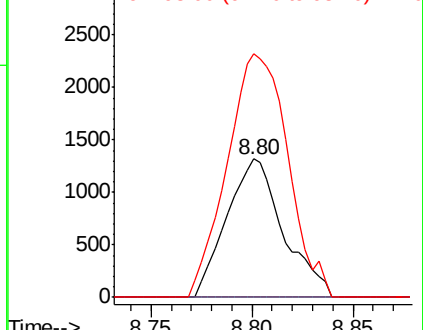
98 176.4 34.2 51.4#



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: 63.140 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063627.D

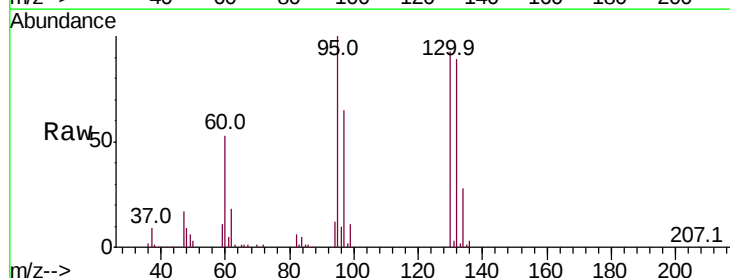
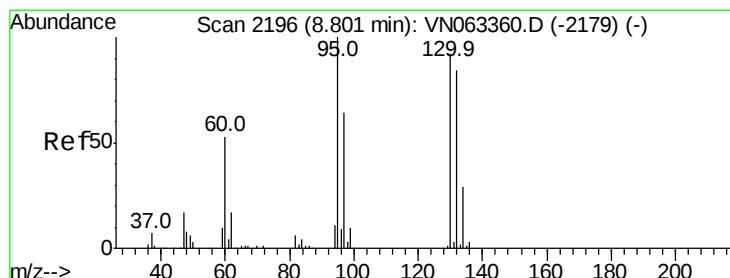
Acq: 24 Sep 2020 14:40

Tgt Ion:130 Resp: 175927

Ion Ratio Lower Upper

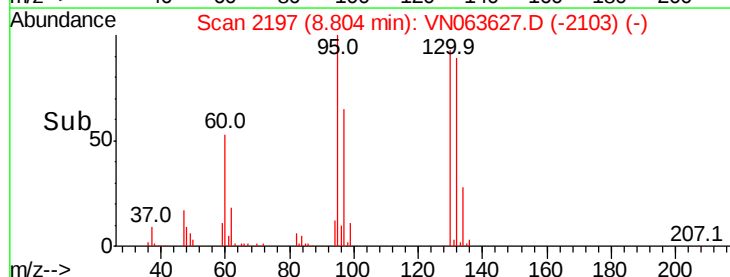
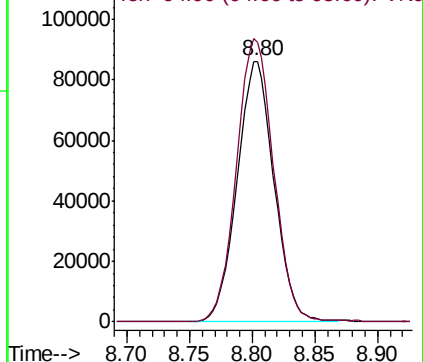
130 100

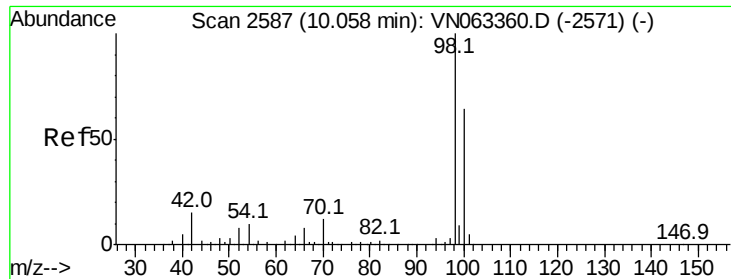
95 107.4 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 49.650 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063627.D

Acq: 24 Sep 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

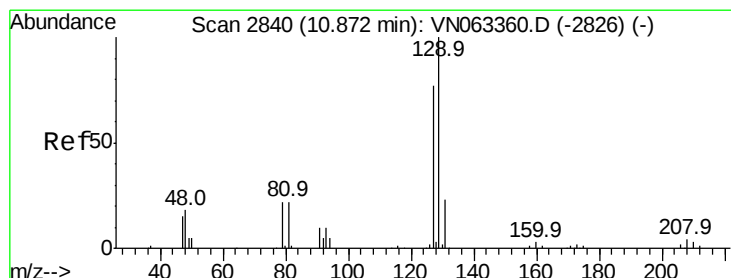
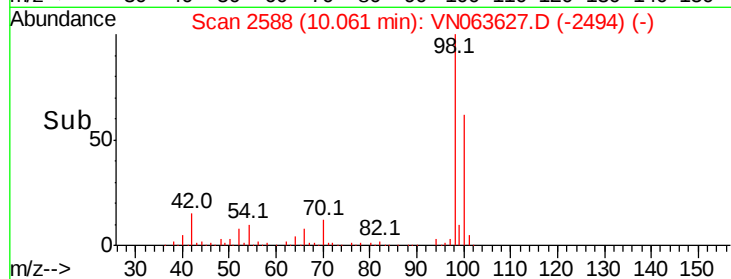
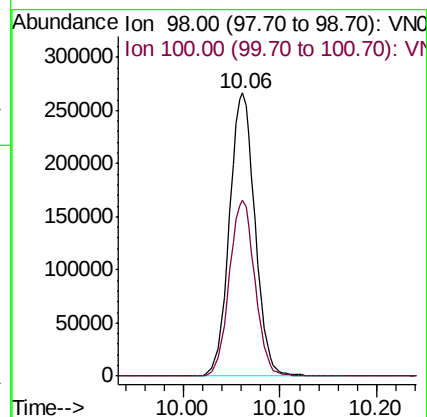
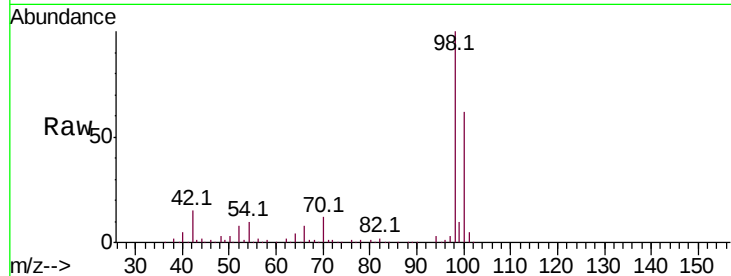
RE120D1-20200916DL

Tot Ion: 98 Resp: 488200

Ion Ratio Lower Upper

98 100

100 62.1 50.7 76.1



#60

Dibromochloromethane

Concen: 0.296 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. -0.27 min

Lab File: VN063627.D

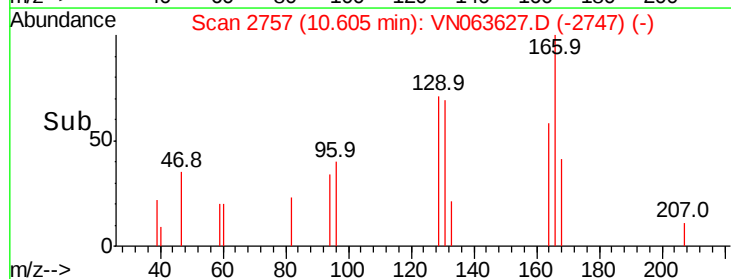
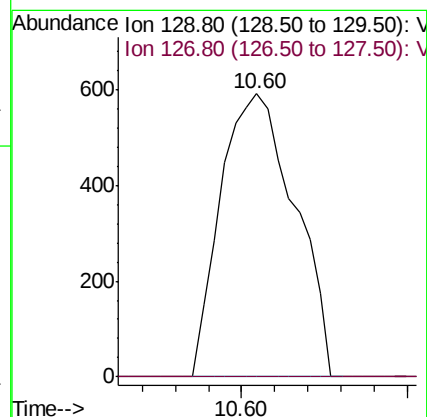
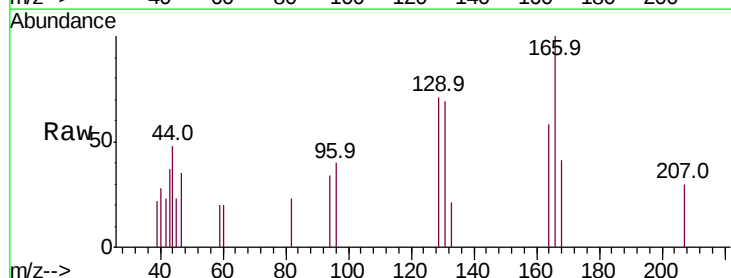
Acq: 24 Sep 2020 14:40

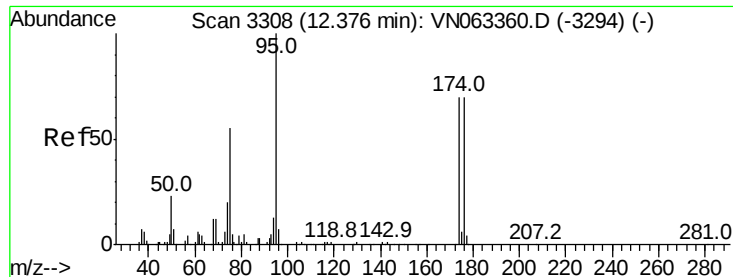
Tgt Ion: 129 Resp: 918

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#

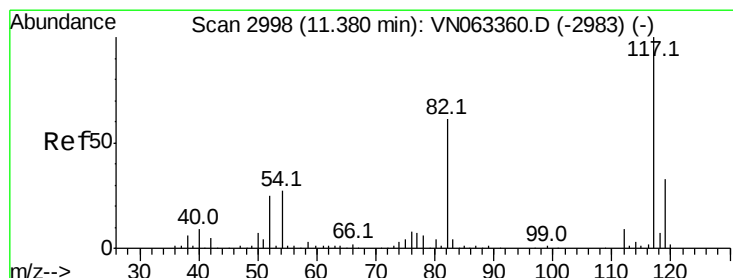
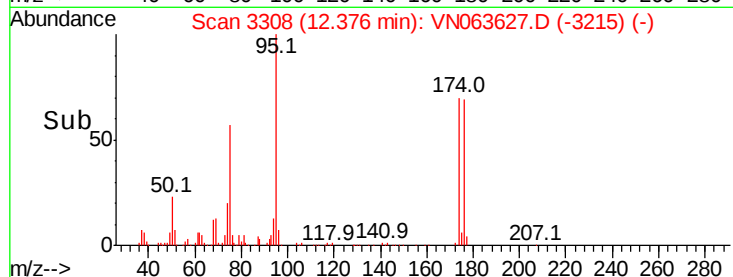
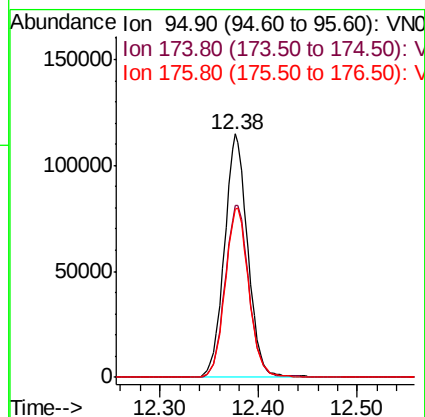
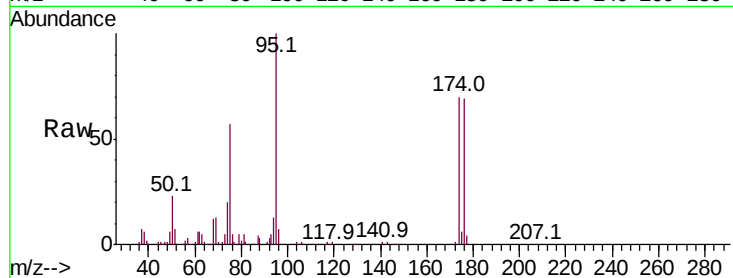




#62
4-Bromofluorobenzene
Concen: 52.863 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063627.D
Acq: 24 Sep 2020 14:40

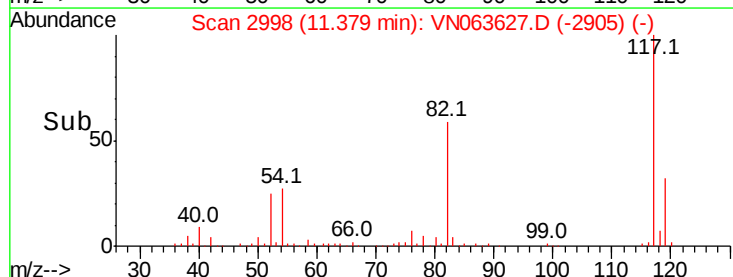
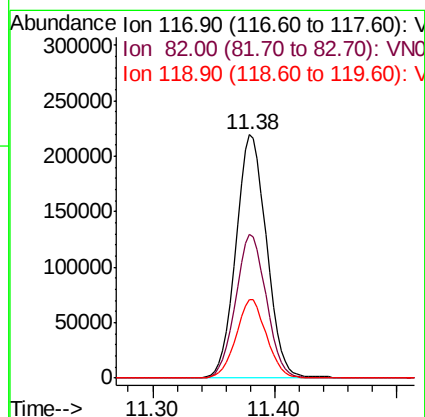
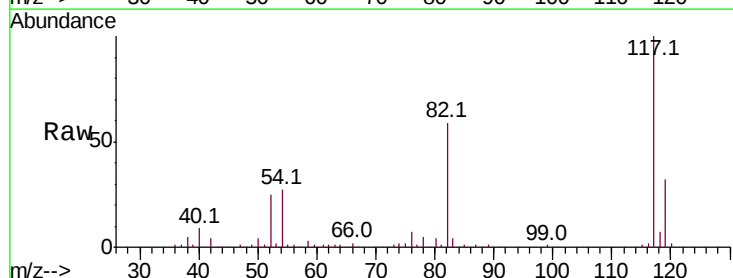
Instrument :
MSVOA_N
ClientSampleId :
RE120D1-20200916DL

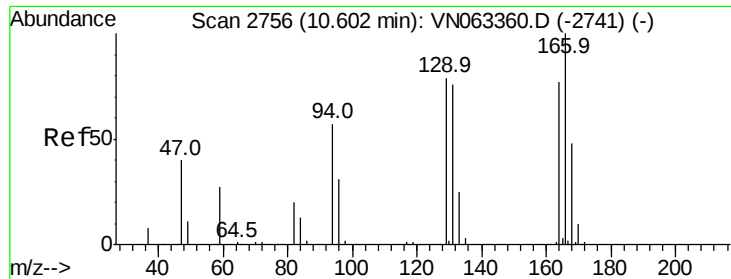
Tot Ion: 95 Resp: 190544
Ion Ratio Lower Upper
95 100
174 72.2 0.0 140.8
176 70.5 0.0 137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063627.D
Acq: 24 Sep 2020 14:40

Tgt Ion: 117 Resp: 382265
Ion Ratio Lower Upper
117 100
82 58.9 49.2 73.8
119 32.4 26.2 39.4

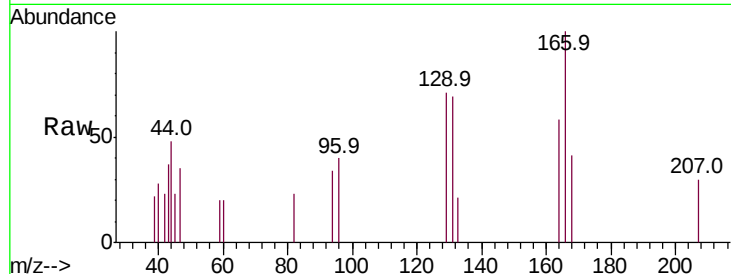




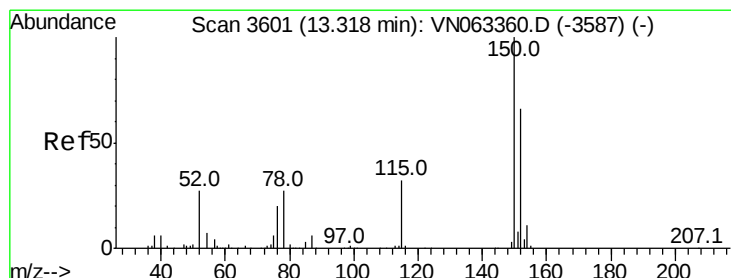
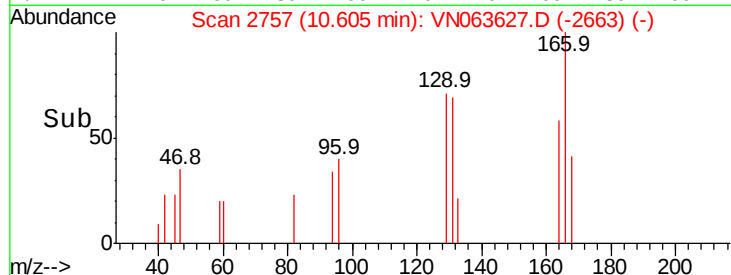
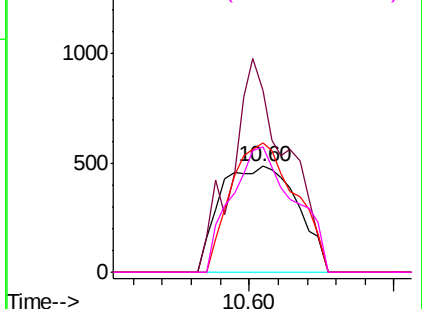
#64
 Tetrachloroethene
 Concen: 0.345 ug/l
 RT: 10.60 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VN063627.D
 Acq: 24 Sep 2020 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D1-20200916DL

Tot Ion:	164	Resp:	899
Ion	Ratio	Lower	Upper
164	100		
166	171.1	103.4	155.0#
129	122.1	81.8	122.6
131	118.1	78.2	117.4#

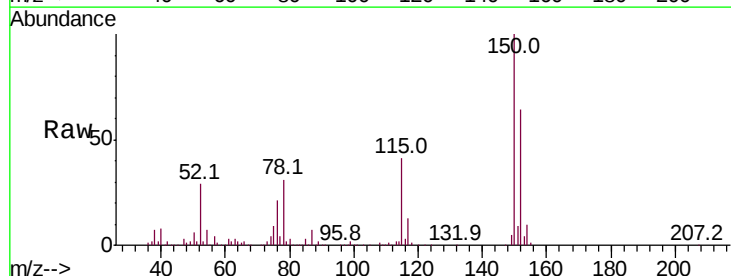


Abundance Ion 163.80 (163.50 to 164.50): V
 Ion 165.80 (165.50 to 166.50): V
 Ion 128.80 (128.50 to 129.50): V
 Ion 130.80 (130.50 to 131.50): V

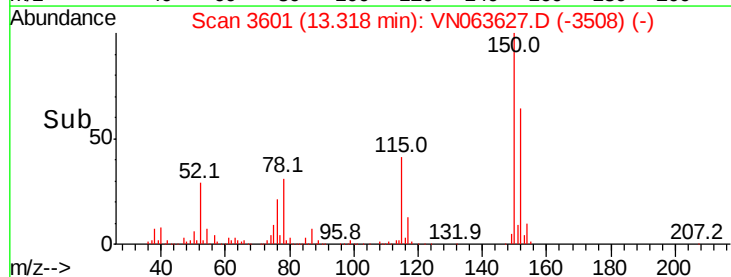
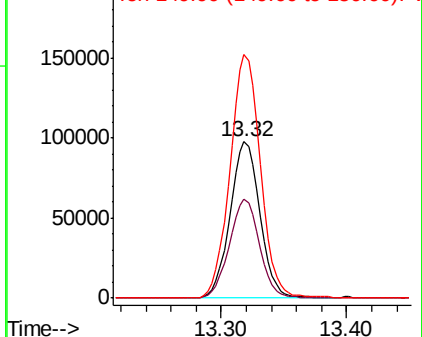


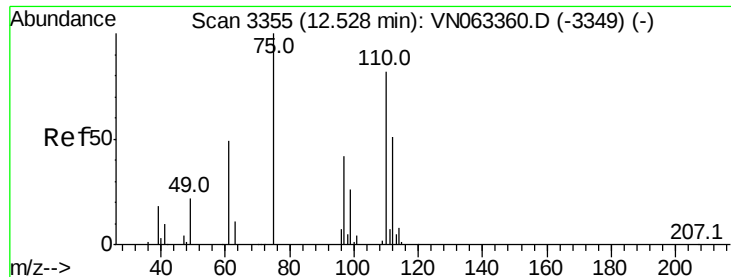
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VN063627.D
 Acq: 24 Sep 2020 14:40

Tgt Ion:	152	Resp:	161426
Ion	Ratio	Lower	Upper
152	100		
115	64.1	32.2	96.6
150	158.9	0.0	343.4



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: 27.049 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063627.D

Acq: 24 Sep 2020 14:40

Instrument :

MSVOA_N

ClientSampleId :

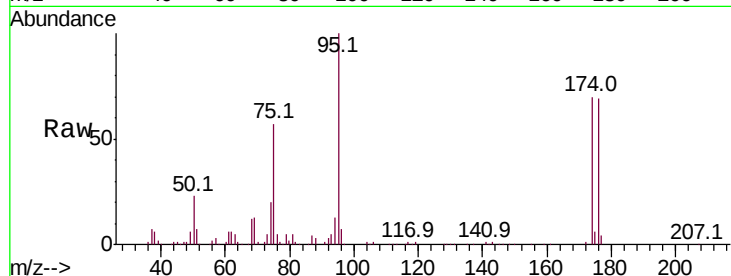
RE120D1-20200916DL

Tot Ion: 75 Resp: 108075

Ion Ratio Lower Upper

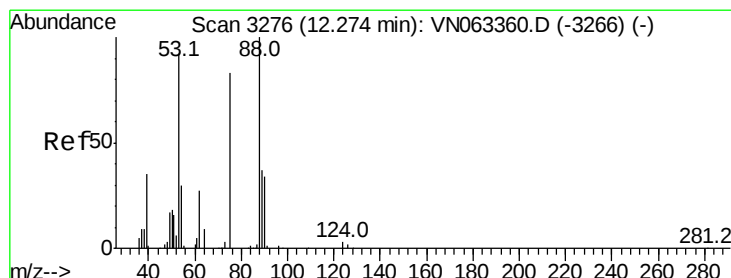
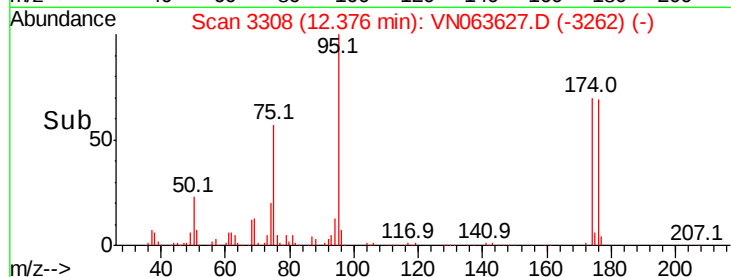
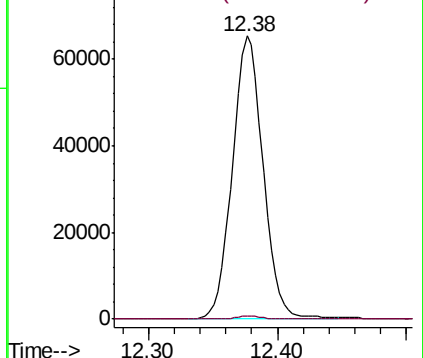
75 100

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: 74.158 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063627.D

Acq: 24 Sep 2020 14:40

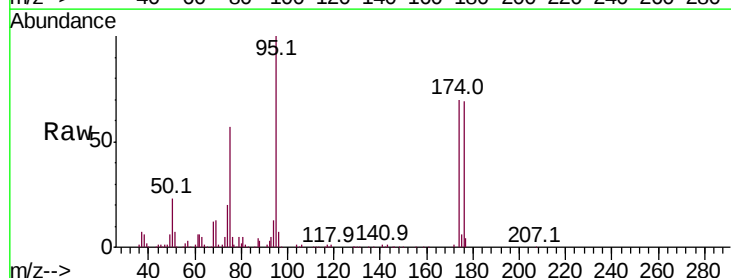
Tgt Ion: 75 Resp: 108075

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#



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

