

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063626.D
 Acq On : 24 Sep 2020 14:17
 Operator : JC/MD
 Sample : L4083-09DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20200917DL

Quant Time: Sep 25 03:48:52 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	202123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	381418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	380839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	156528	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	175102	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
35) Dibromofluoromethane	7.55	113	125047	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
50) Toluene-d8	10.06	98	487924	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.38	95	190314	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	

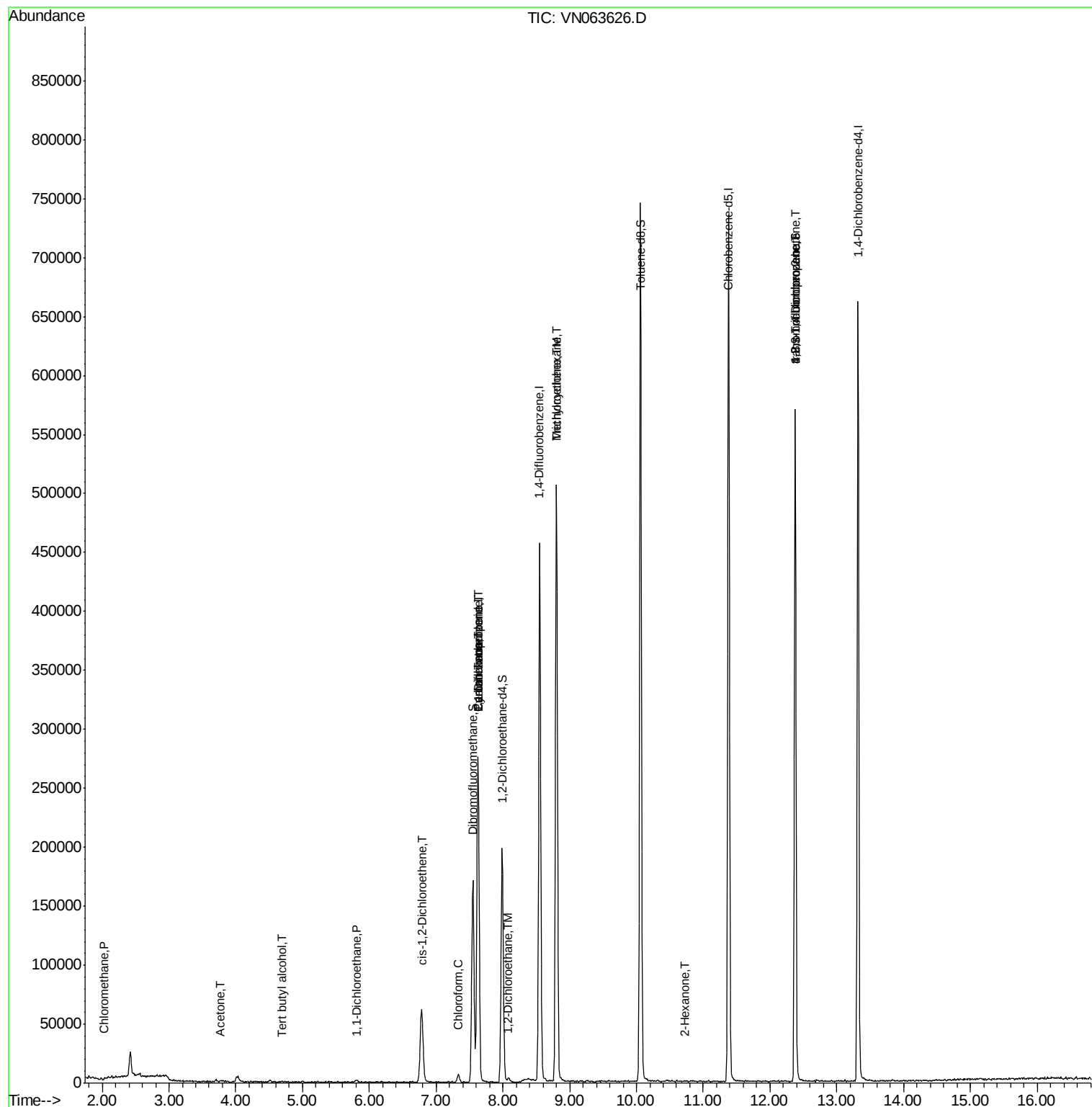
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	633	0.209	ug/l #	42
11) Tert butyl alcohol	4.70	59	155	0.325	ug/l #	72
16) Acetone	3.78	43	501	0.453	ug/l #	47
24) 1,1-Dichloroethane	5.81	63	2727	0.543	ug/l #	84
27) cis-1,2-Dichloroethene	6.78	96	30563	10.685	ug/l	91
30) Chloroform	7.33	83	6420	1.274	ug/l	96
31) Cyclohexane	7.62	56	5760	1.212	ug/l #	17
36) 1,1-Dichloropropene	7.62	75	19442	4.785	ug/l #	51
38) Carbon Tetrachloride	7.63	117	21949	5.291	ug/l #	19
39) Methylcyclohexane	8.80	83	2434	0.552	ug/l #	1
42) 1,2-Dichloroethane	8.08	62	2912	0.624	ug/l #	78
44) Trichloroethene	8.80	130	164173	58.353	ug/l	96
59) 2-Hexanone	10.71	43	595	0.206	ug/l #	28
76) 1,2,3-Trichloropropane	12.38	75	106876	27.586	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	106876	75.630	ug/l #	7

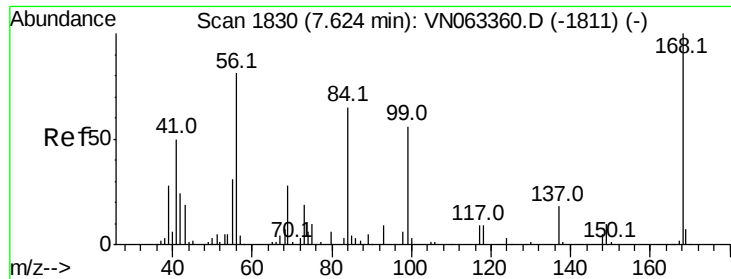
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063626.D

Acq: 24 Sep 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

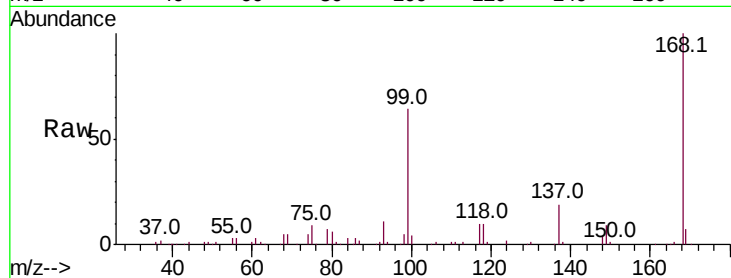
RE104D2-20200917DL

Tot Ion:168 Resp: 202123

Ion Ratio Lower Upper

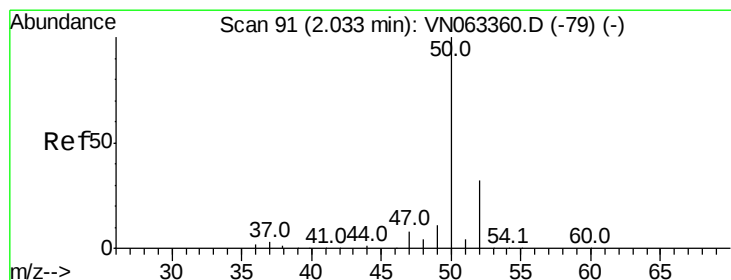
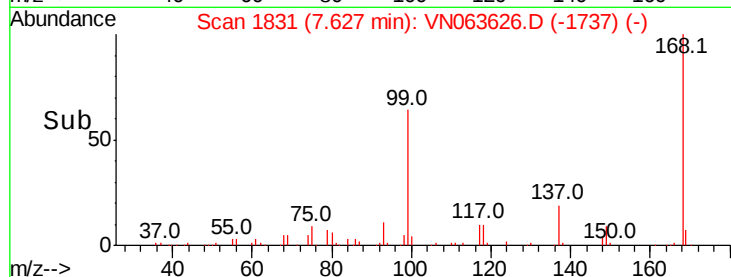
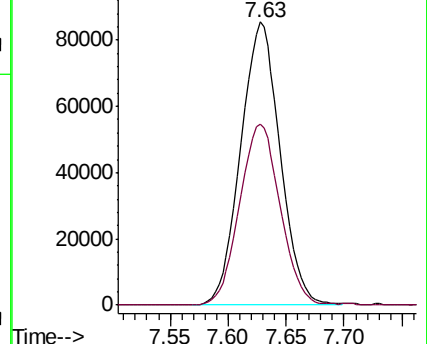
168 100

99 64.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.209 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063626.D

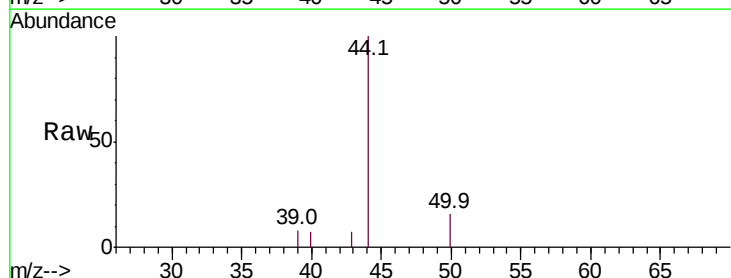
Acq: 24 Sep 2020 14:17

Tgt Ion: 50 Resp: 633

Ion Ratio Lower Upper

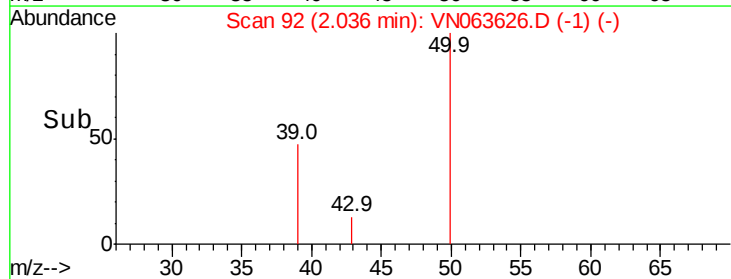
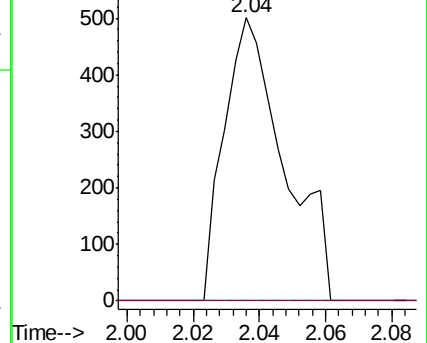
50 100

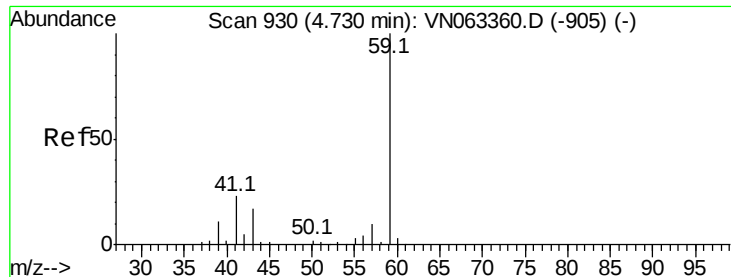
52 0.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN



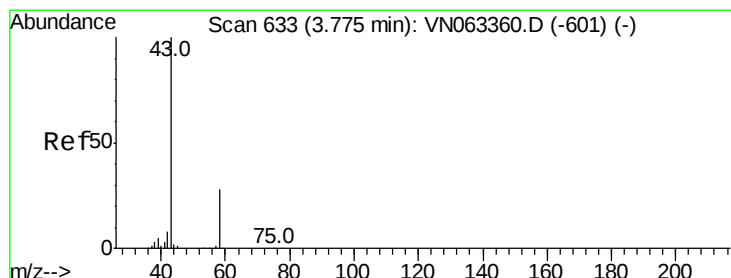
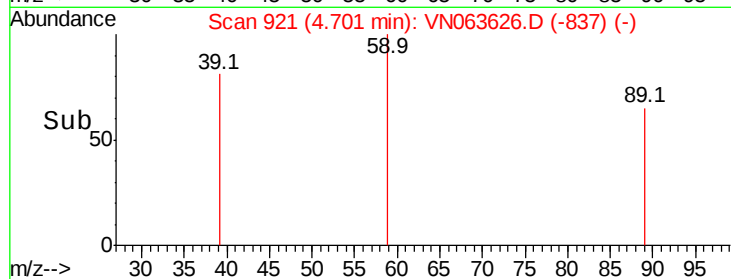
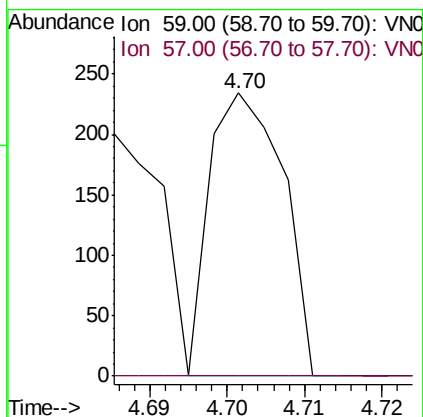
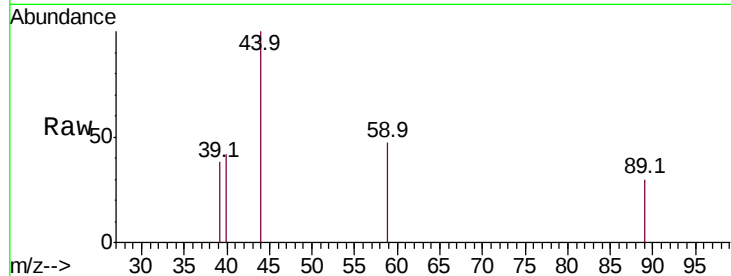


#11

Tert butyl alcohol
 Concen: 0.325 ug/l
 RT: 4.70 min Scan# 921
 Delta R.T. -0.03 min
 Lab File: VN063626.D
 Acq: 24 Sep 2020 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20200917DL

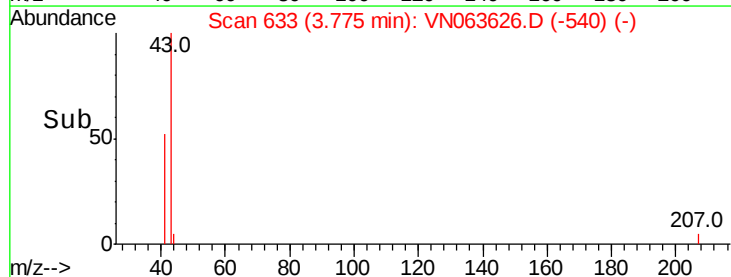
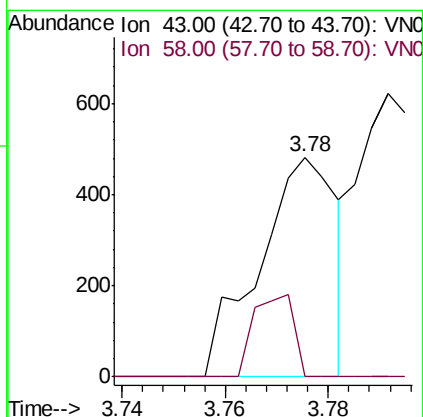
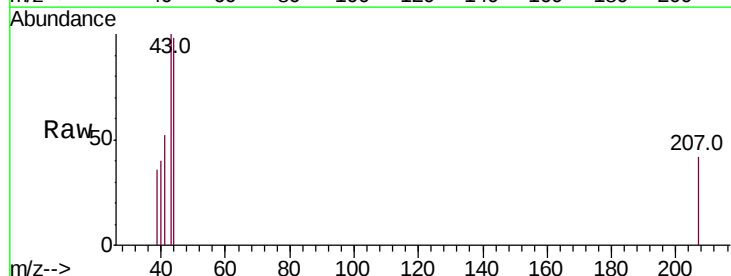
Tot Ion: 59 Resp: 155
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

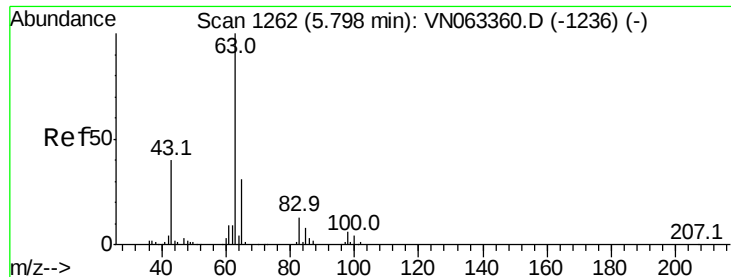


#16

Acetone
 Concen: 0.453 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VN063626.D
 Acq: 24 Sep 2020 14:17

Tgt Ion: 43 Resp: 501
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.3 33.5#





#24

1,1-Dichloroethane

Concen: 0.543 ug/l

RT: 5.81 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VN063626.D

Acq: 24 Sep 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20200917DL

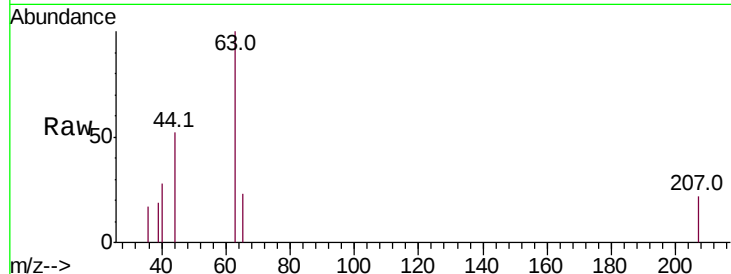
Tot Ion: 63 Resp: 2727

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

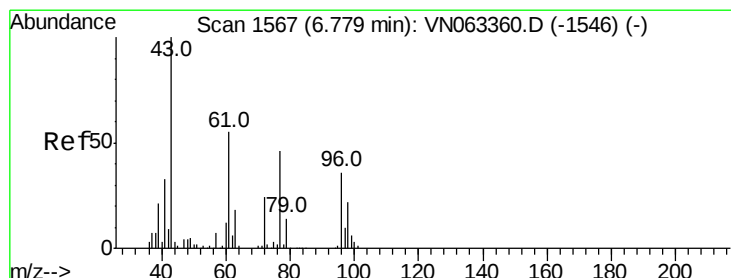
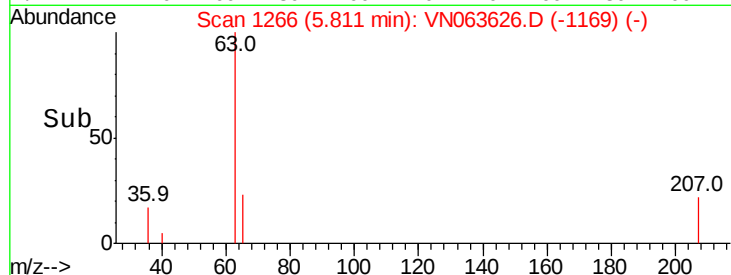
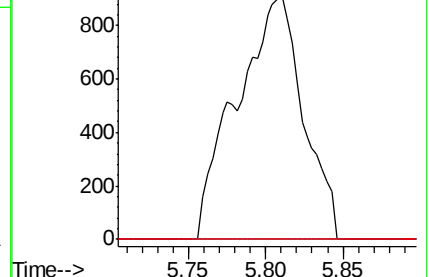
100 0.0 2.1 6.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 10.685 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063626.D

Acq: 24 Sep 2020 14:17

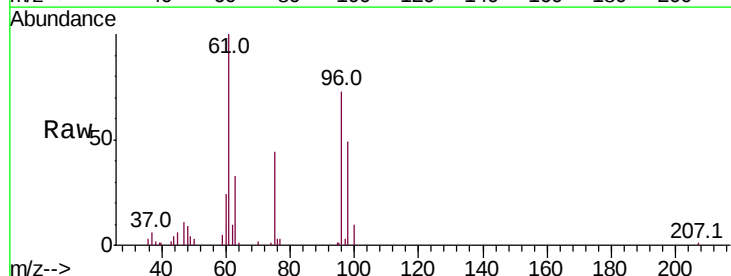
Tgt Ion: 96 Resp: 30563

Ion Ratio Lower Upper

96 100

61 146.2 0.0 319.6

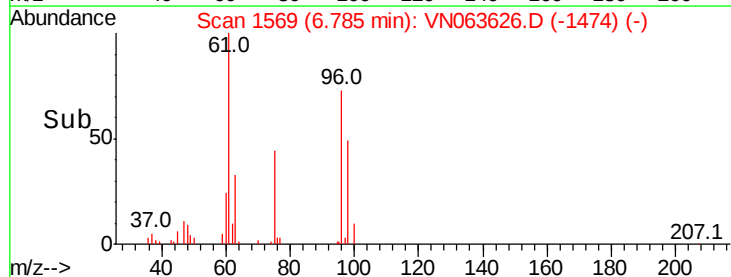
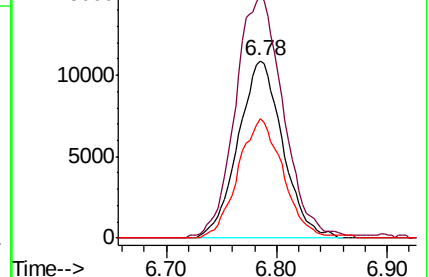
98 67.2 0.0 127.8

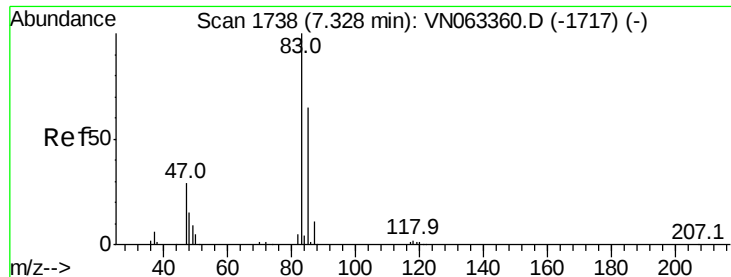


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#30

Chloroform

Concen: 1.274 ug/l

RT: 7.33 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VN063626.D

Acq: 24 Sep 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

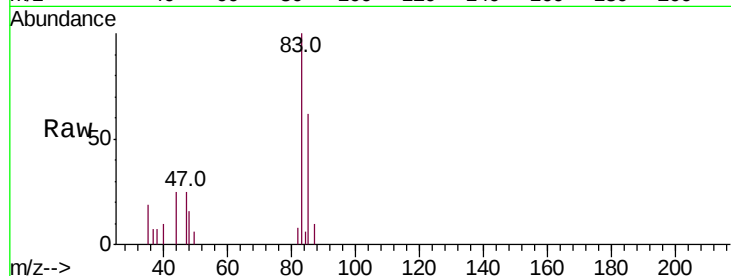
RE104D2-20200917DL

Tot Ion: 83 Resp: 6420

Ion Ratio Lower Upper

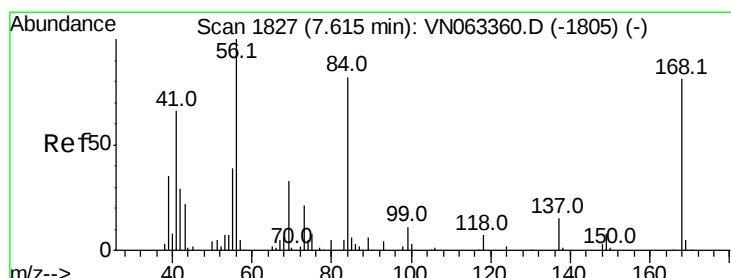
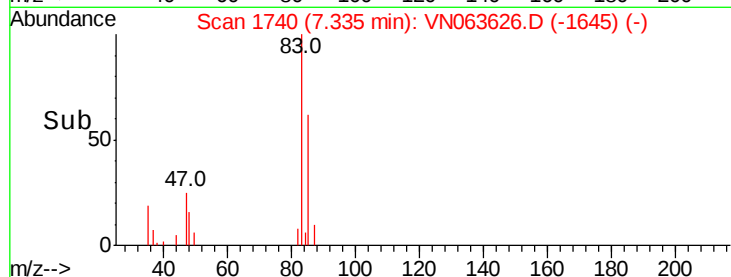
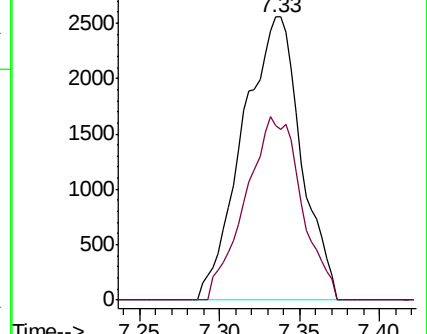
83 100

85 61.6 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063626.D

Acq: 24 Sep 2020 14:17

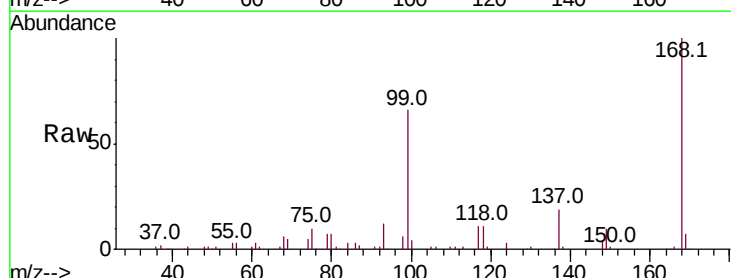
Tgt Ion: 56 Resp: 5760

Ion Ratio Lower Upper

56 100

69 170.4 26.1 39.1#

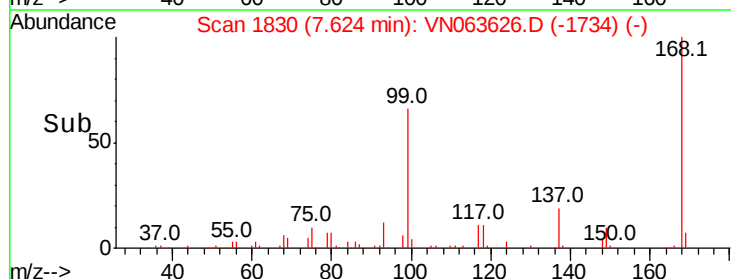
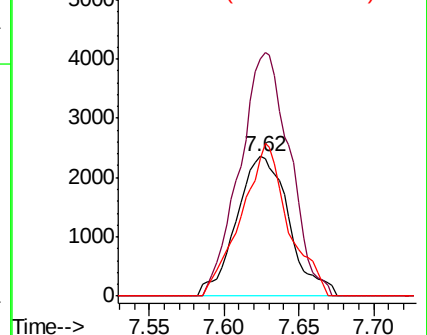
84 98.4 65.4 98.2#

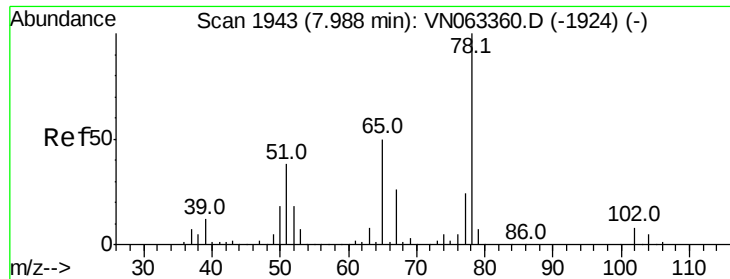


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

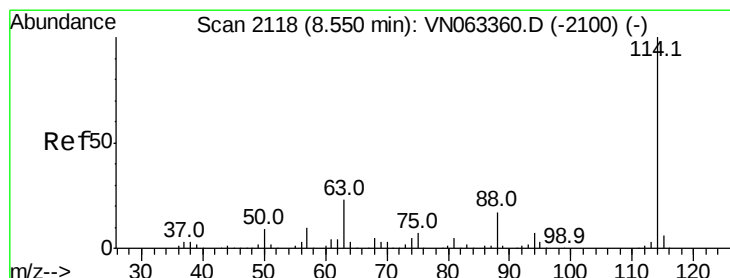
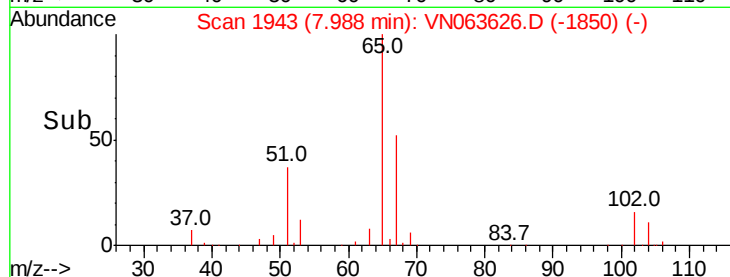
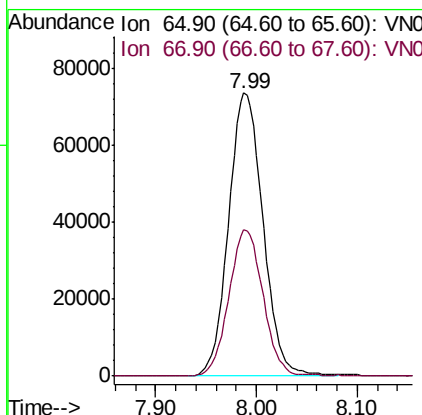
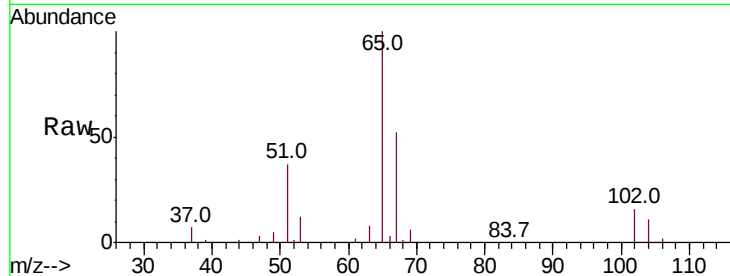




#33
 1,2-Dichloroethane-d4
 Concen: 50.892 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063626.D
 Acq: 24 Sep 2020 14:17

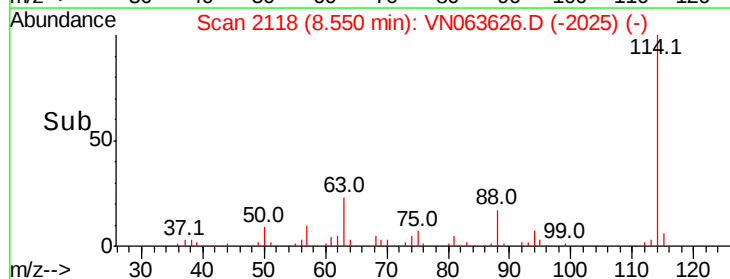
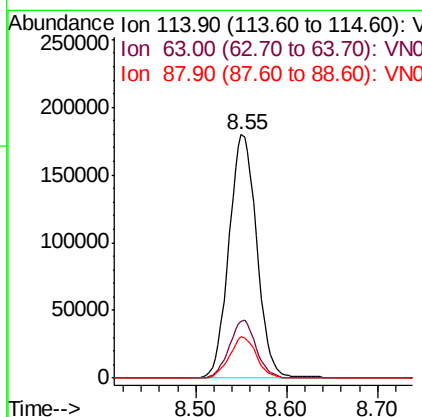
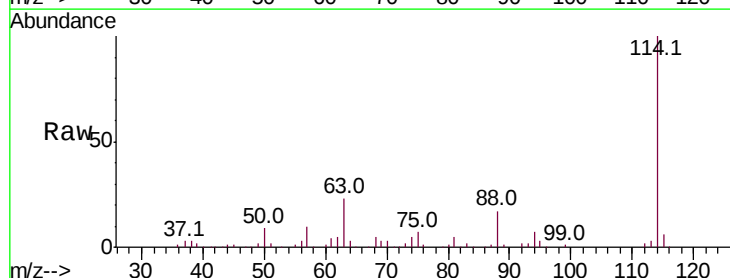
Instrument :
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 RE104D2-20200917DL

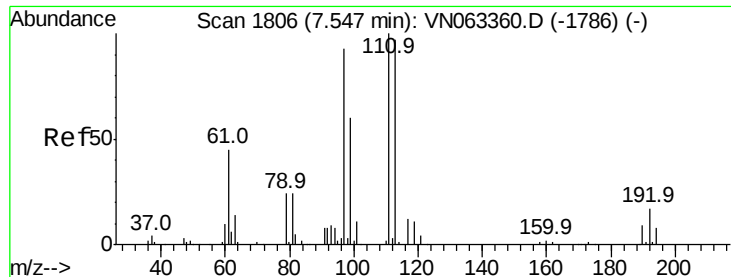
Tot Ion: 65 Resp: 175102
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063626.D
 Acq: 24 Sep 2020 14:17

Tgt Ion: 114 Resp: 381418
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 46.4
 88 16.9 0.0 33.2

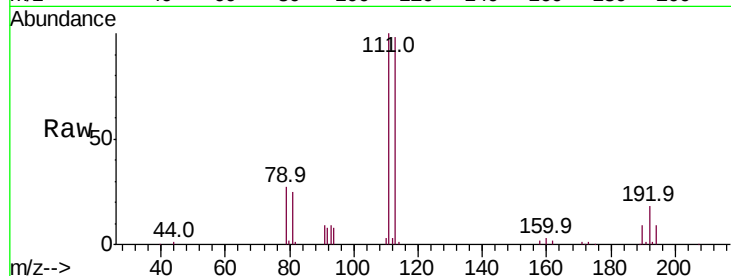




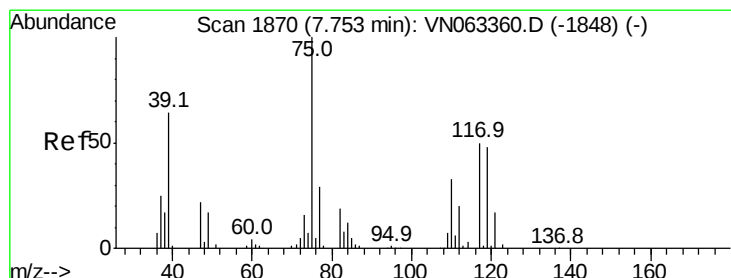
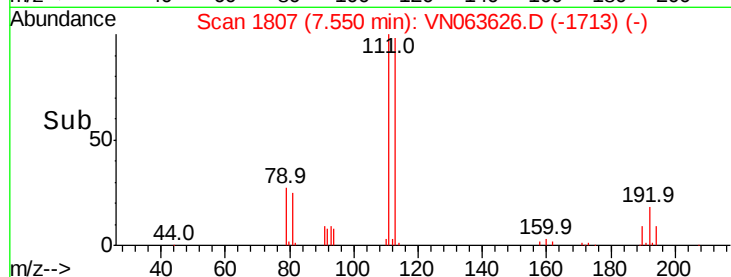
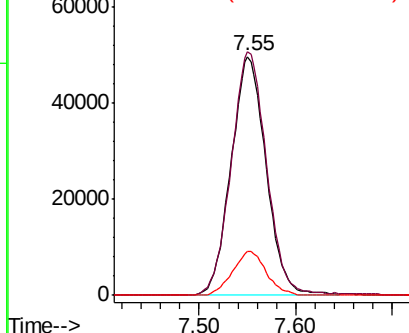
#35
Dibromofluoromethane
Concen: 47.358 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063626.D
Acq: 24 Sep 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20200917DL

Tot Ion:113 Resp: 125047
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 17.7 13.9 20.9

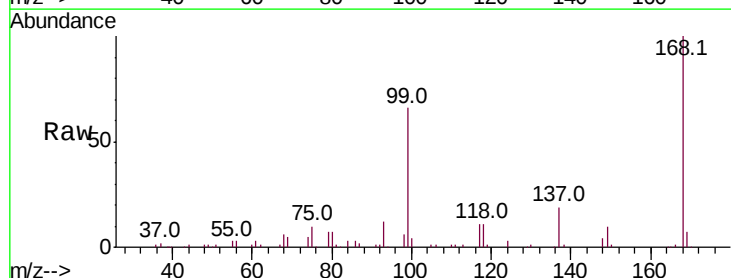


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

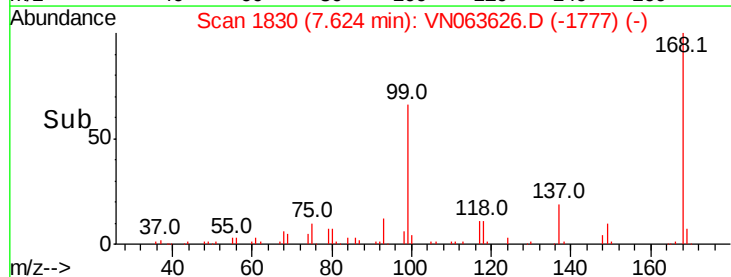
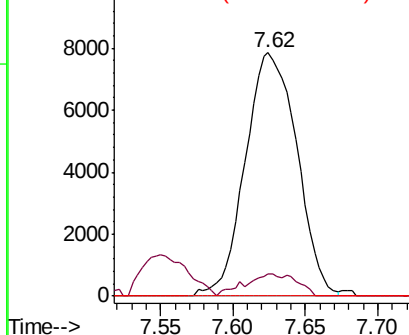


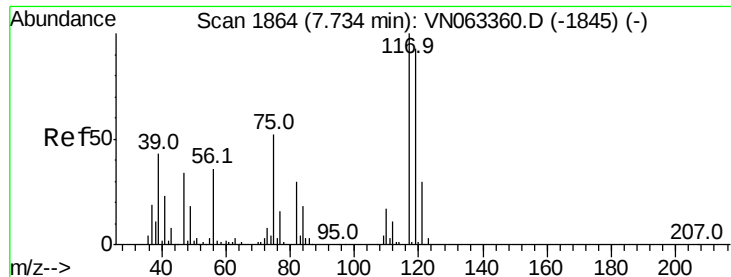
#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN063626.D
Acq: 24 Sep 2020 14:17

Tgt Ion: 75 Resp: 19442
Ion Ratio Lower Upper
75 100
110 9.1 16.5 49.5#
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.291 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN063626.D

Acq: 24 Sep 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20200917DL

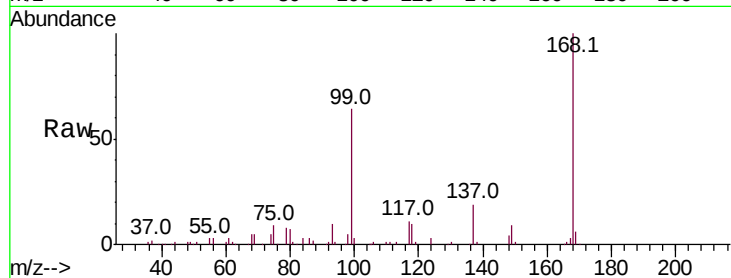
Tot Ion:117 Resp: 21949

Ion Ratio Lower Upper

117 100

119 6.8 74.5 111.7#

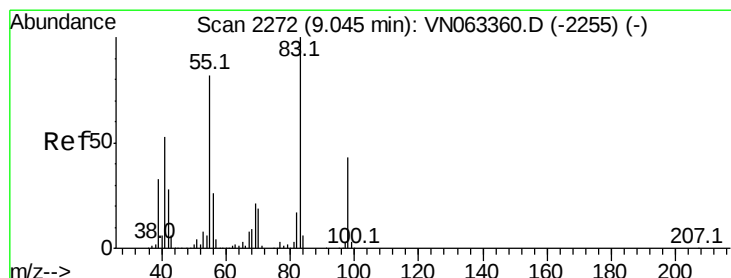
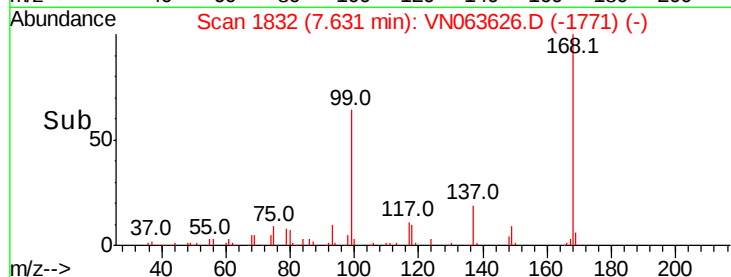
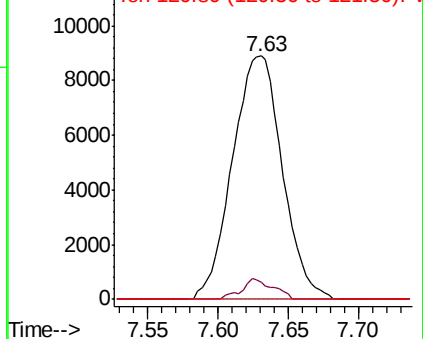
121 0.0 24.1 36.1#



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: 0.552 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. -0.24 min

Lab File: VN063626.D

Acq: 24 Sep 2020 14:17

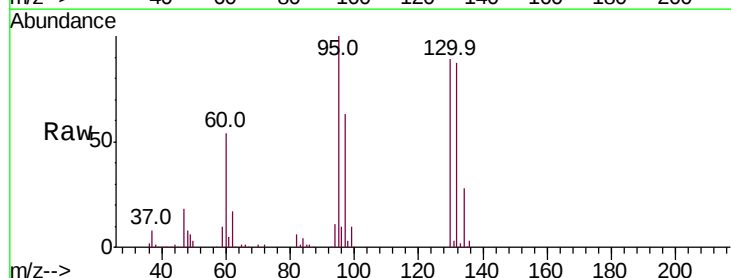
Tgt Ion: 83 Resp: 2434

Ion Ratio Lower Upper

83 100

55 0.0 65.5 98.3#

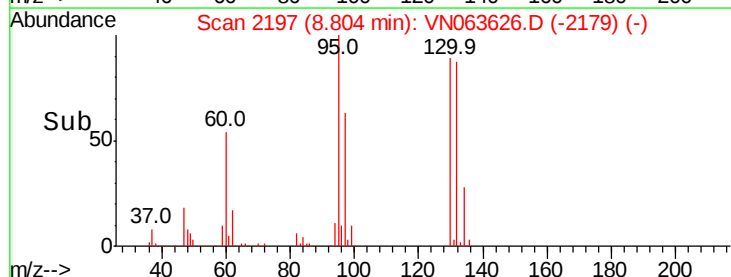
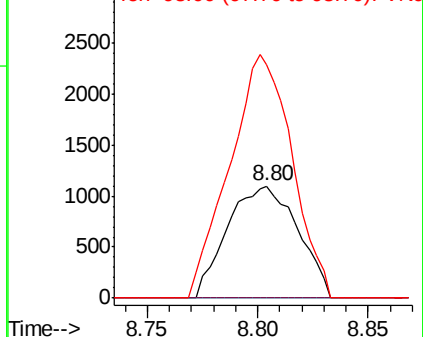
98 208.6 34.2 51.4#

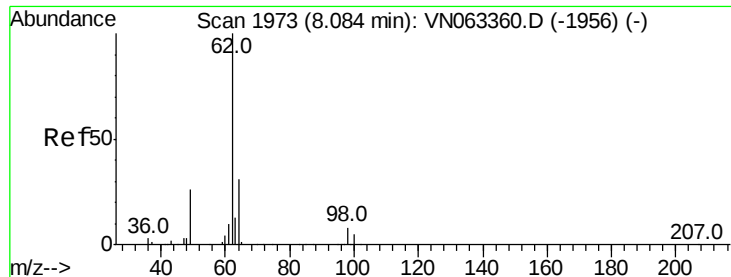


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#42

1,2-Dichloroethane

Concen: 0.624 ug/l

RT: 8.08 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VN063626.D

Acq: 24 Sep 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

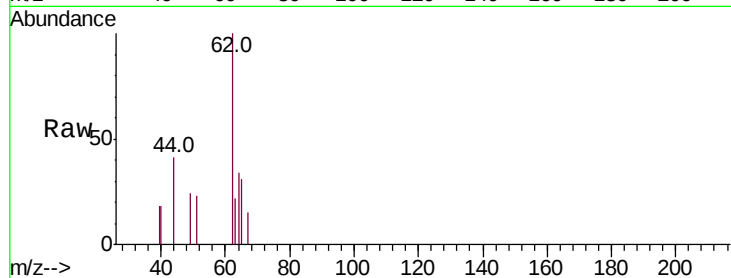
RE104D2-20200917DL

Tot Ion: 62 Resp: 2912

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN063360.D (-1956) (-)

Ion 97.90 (97.60 to 98.60): VN063360.D (-1956) (-)

8.08

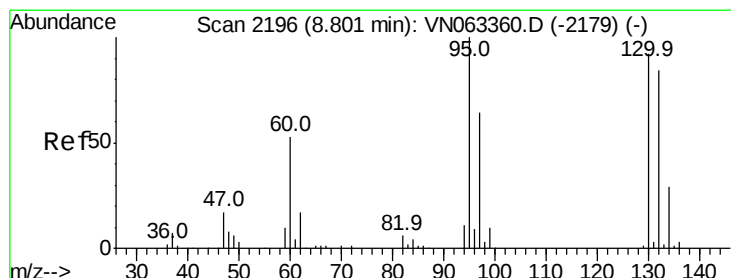
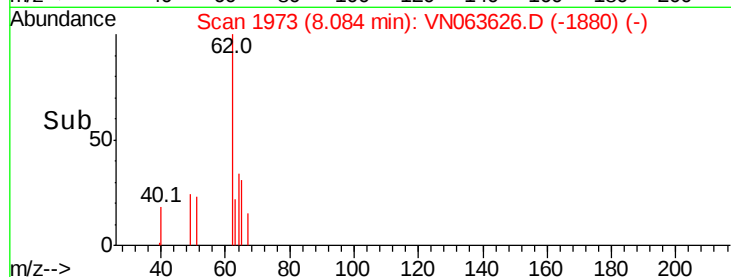
1000

500

0

8.05 8.10 8.15

Time-->



#44

Trichloroethene

Concen: 58.353 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063626.D

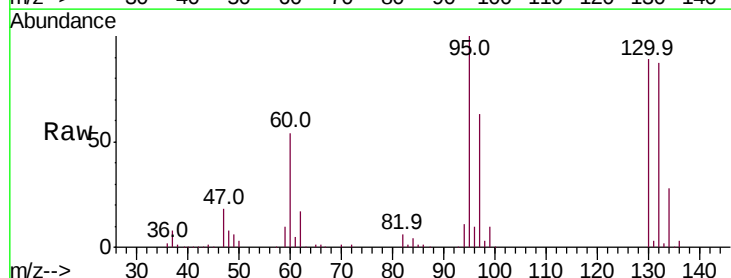
Acq: 24 Sep 2020 14:17

Tgt Ion:130 Resp: 164173

Ion Ratio Lower Upper

130 100

95 112.4 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): VN063360.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063360.D (-2179) (-)

8.80

100000

80000

60000

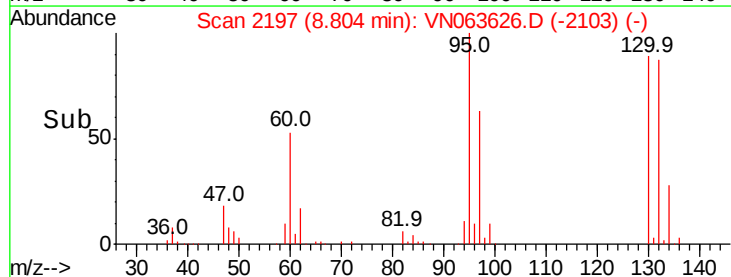
40000

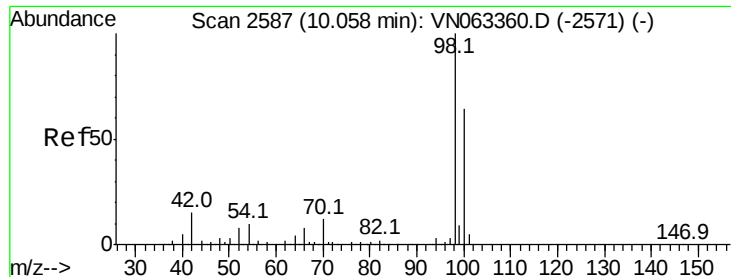
20000

0

8.70 8.80 8.90

Time-->





#50

Toluene-d8

Concen: 49.143 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063626.D

Acq: 24 Sep 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

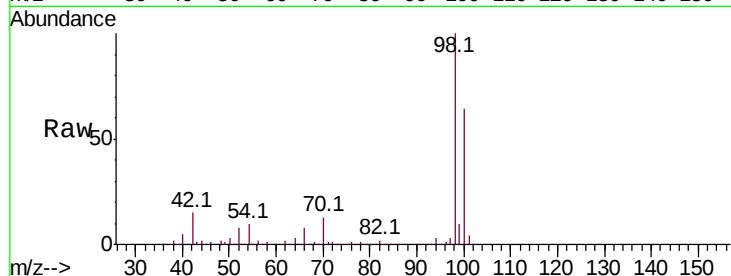
RE104D2-20200917DL

Tot Ion: 98 Resp: 487924

Ion Ratio Lower Upper

98 100

100 63.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

250000

200000

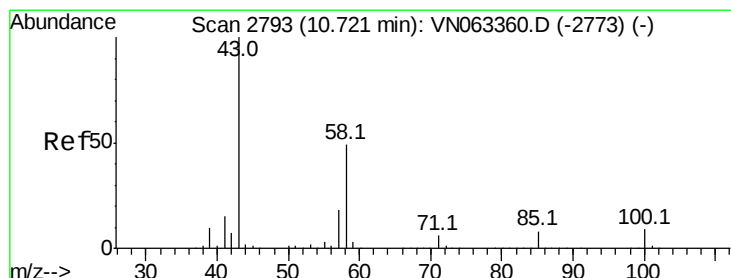
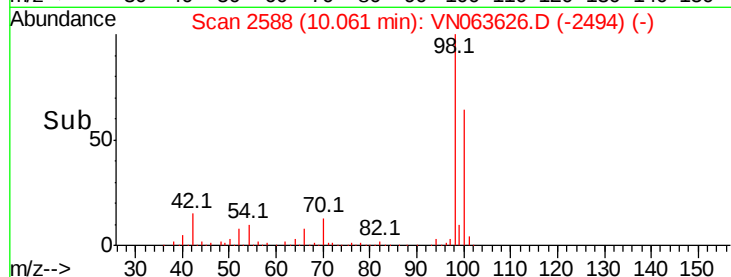
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 0.206 ug/l

RT: 10.71 min Scan# 2790

Delta R.T. -0.01 min

Lab File: VN063626.D

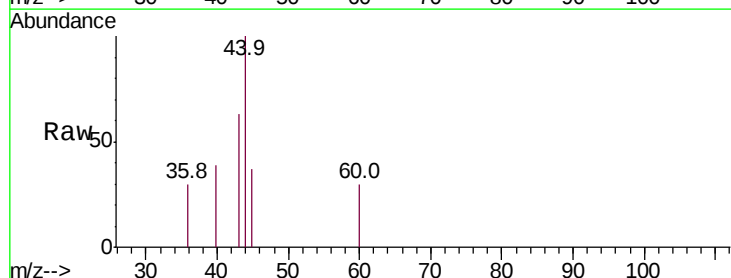
Acq: 24 Sep 2020 14:17

Tgt Ion: 43 Resp: 595

Ion Ratio Lower Upper

43 100

58 0.0 24.7 74.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

500

400

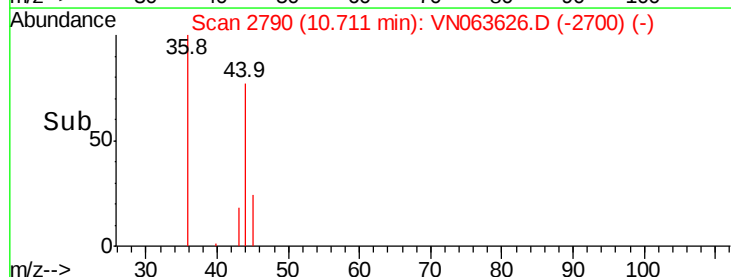
300

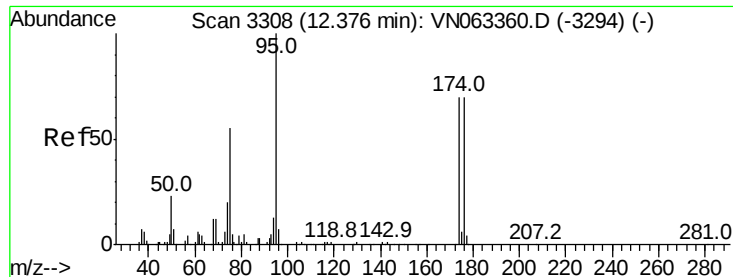
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 52.289 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063626.D

Acq: 24 Sep 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20200917DL

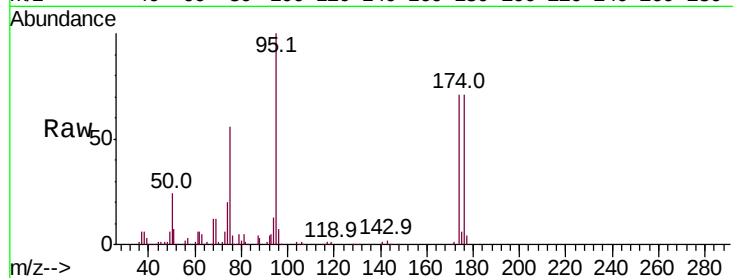
Tot Ion: 95 Resp: 190314

Ion Ratio Lower Upper

95 100

174 71.7 0.0 140.8

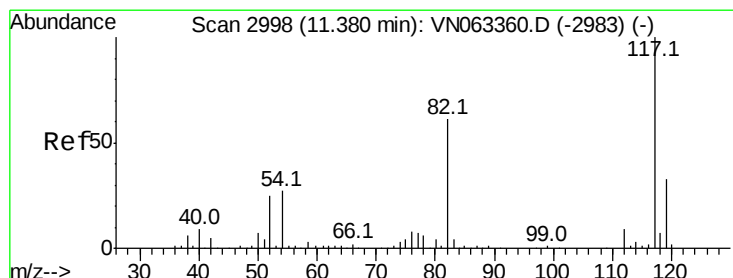
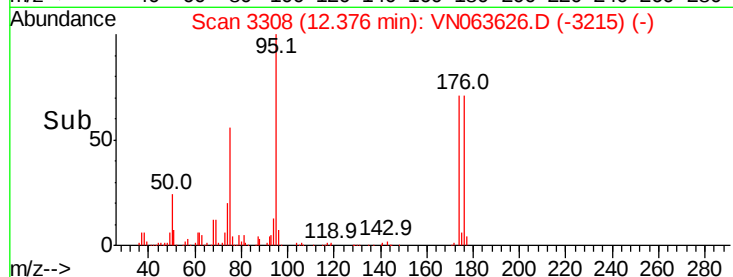
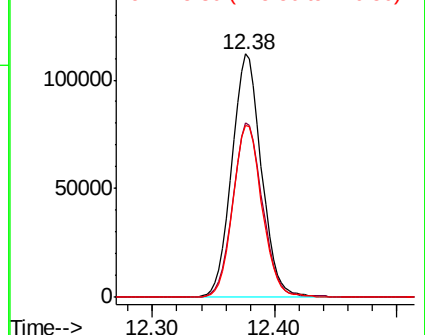
176 69.7 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063626.D

Acq: 24 Sep 2020 14:17

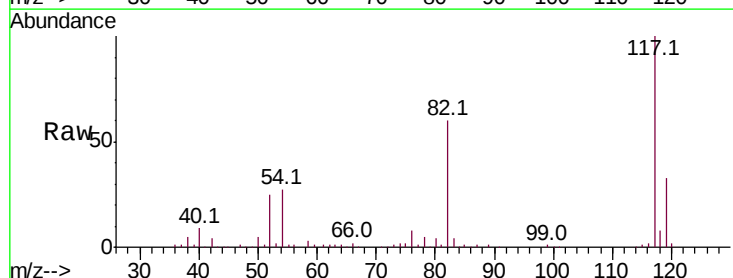
Tgt Ion: 117 Resp: 380839

Ion Ratio Lower Upper

117 100

82 60.3 49.2 73.8

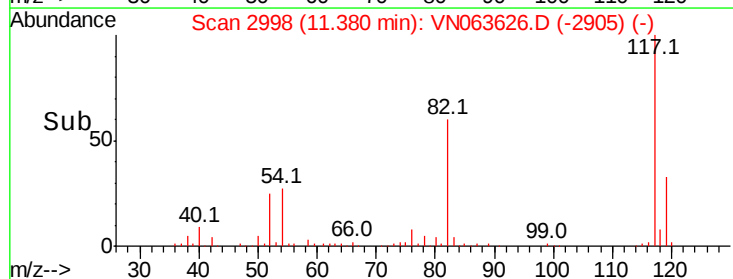
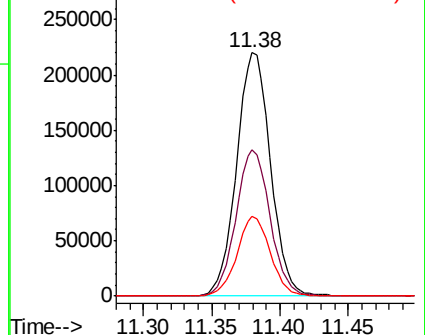
119 32.5 26.2 39.4

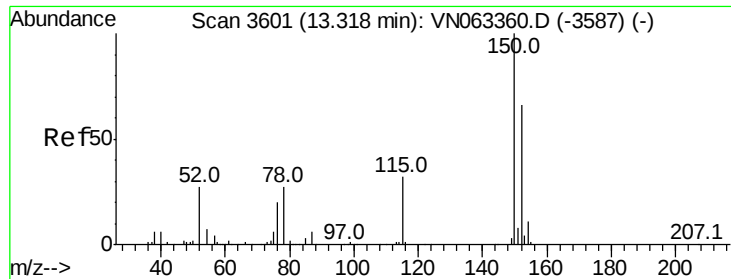


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063360.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063626.D

Acq: 24 Sep 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20200917DL

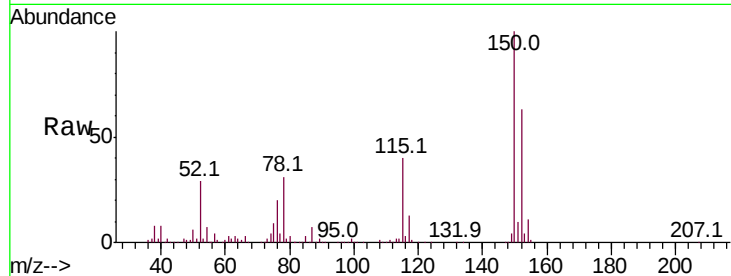
Tot Ion:152 Resp: 156528

Ion Ratio Lower Upper

152 100

115 63.3 32.2 96.6

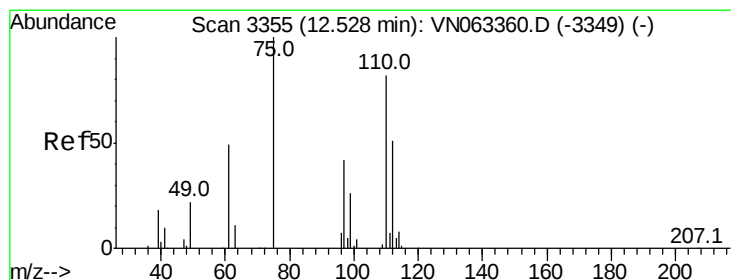
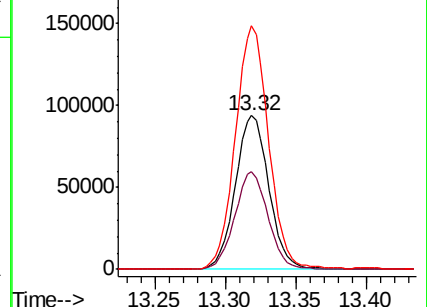
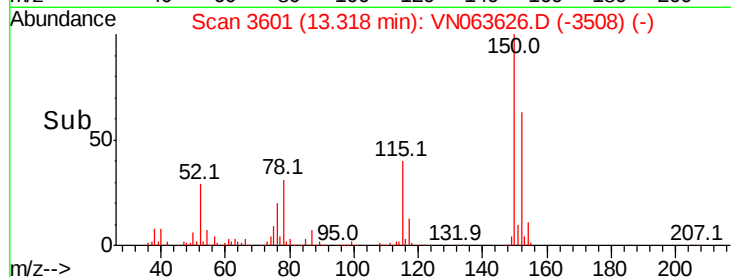
150 157.1 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V

200000 Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.586 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063626.D

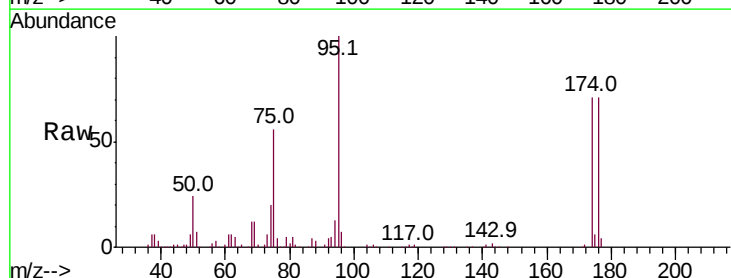
Acq: 24 Sep 2020 14:17

Tgt Ion: 75 Resp: 106876

Ion Ratio Lower Upper

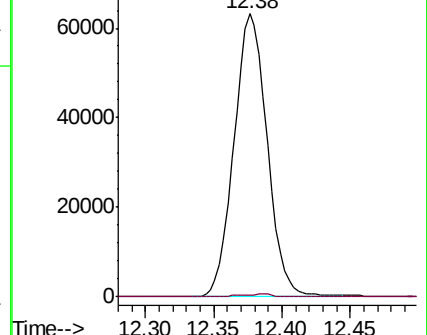
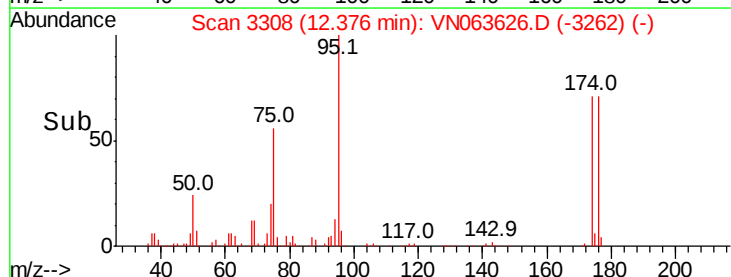
75 100

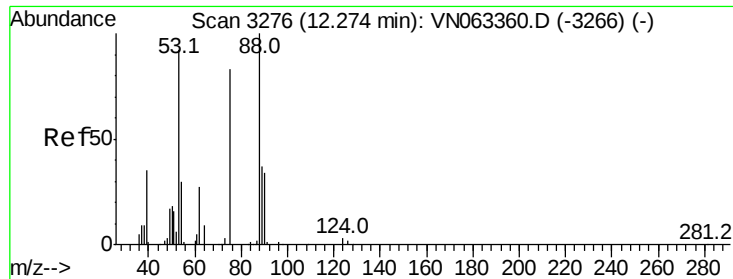
77 0.5 0.0 0.0#



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: 75.630 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063626.D

Acq: 24 Sep 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20200917DL

Tot Ion: 75 Resp: 106876

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

