

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063544.D
 Acq On : 22 Sep 2020 19:43
 Operator : JC/MD
 Sample : L4082-10DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D3-20200915DL

Quant Time: Sep 23 04:03:00 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	215331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	400265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	399425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	163354	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	179919	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
35) Dibromofluoromethane	7.55	113	133076	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
50) Toluene-d8	10.06	98	514859	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.38	95	198631	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	

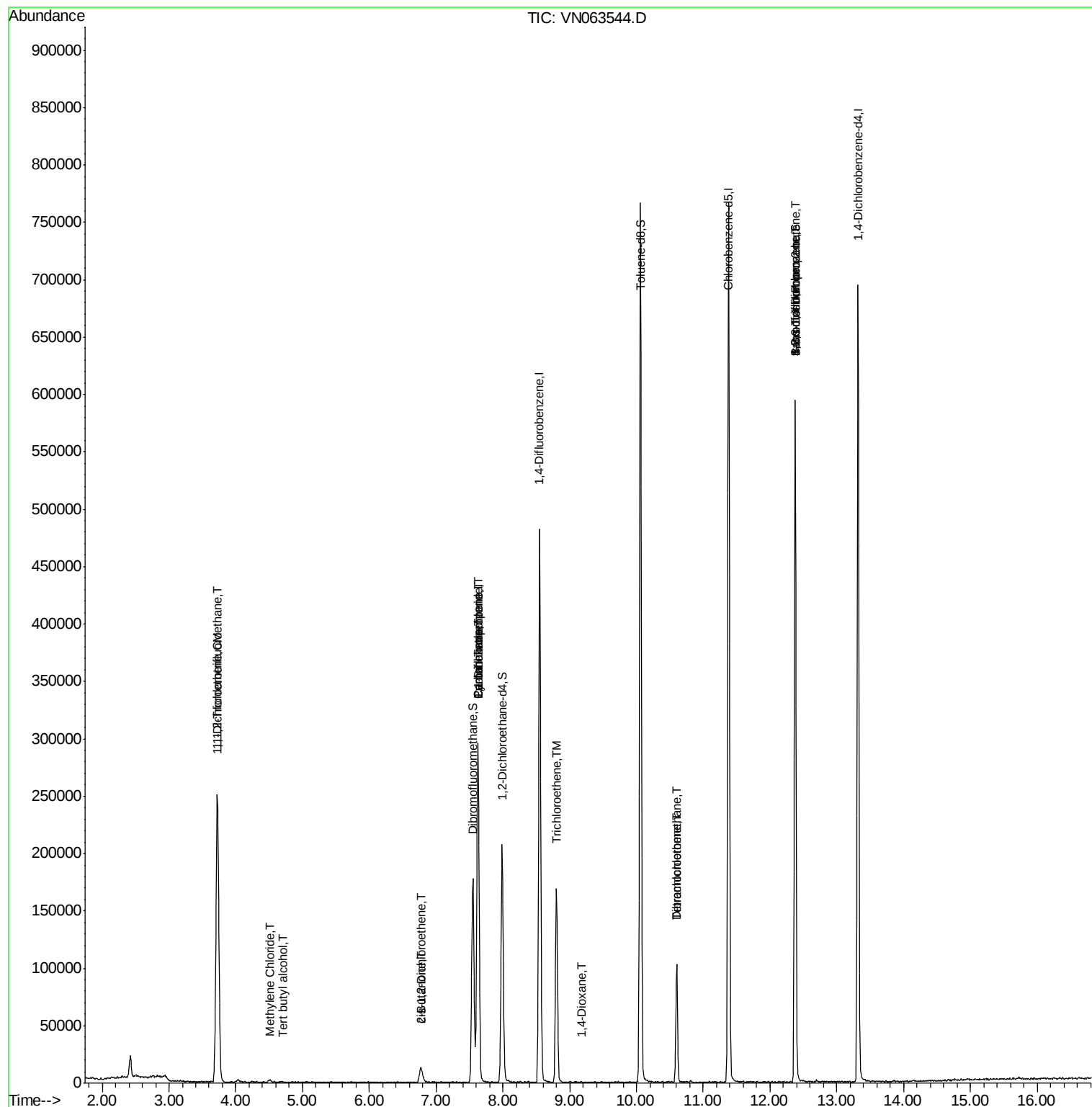
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	151099	62.982	ug/l	99
11) Tert butyl alcohol	4.71	59	115	0.226	ug/l #	72
12) 1,1-Dichloroethene	3.71	96	927	0.381	ug/l #	49
20) Methylene Chloride	4.50	84	668	0.224	ug/l #	83
25) 2-Butanone	6.77	43	522	0.288	ug/l #	51
27) cis-1,2-Dichloroethene	6.79	96	1568	0.515	ug/l #	5
31) Cyclohexane	7.62	56	7013	1.385	ug/l #	44
36) 1,1-Dichloropropene	7.63	75	20809	4.880	ug/l #	52
38) Carbon Tetrachloride	7.63	117	23864	5.482	ug/l #	17
44) Trichloroethene	8.80	130	55424	18.772	ug/l	94
49) 1,4-Dioxane	9.17	88	65	1.232	ug/l #	1
60) Dibromochloromethane	10.60	129	21828	6.646	ug/l #	10
64) Tetrachloroethene	10.60	164	20522	7.545	ug/l	96
71) Bromoform	12.38	173	743	0.321	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	113830	28.153	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	113830	77.185	ug/l #	7

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

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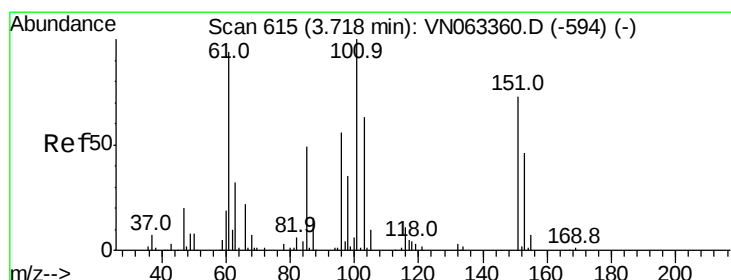
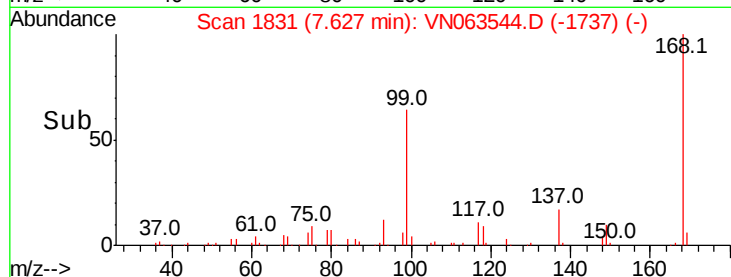
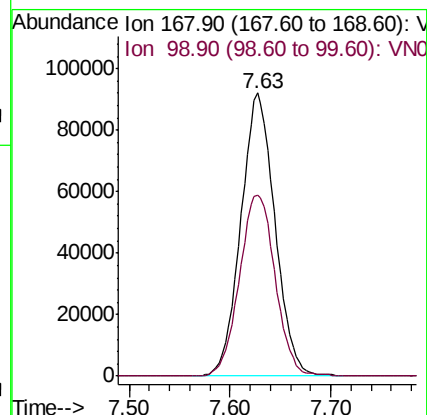
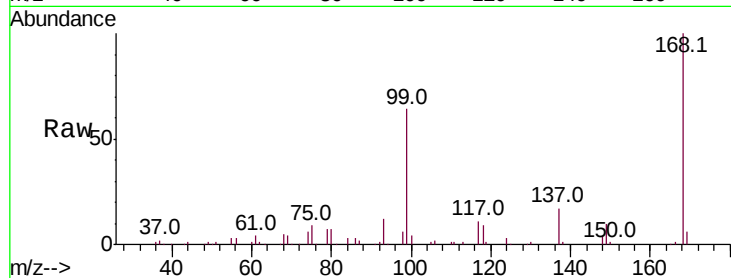




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN063544.D
Acq: 22 Sep 2020 19:43

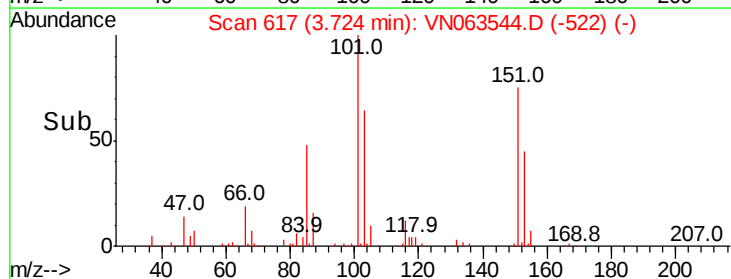
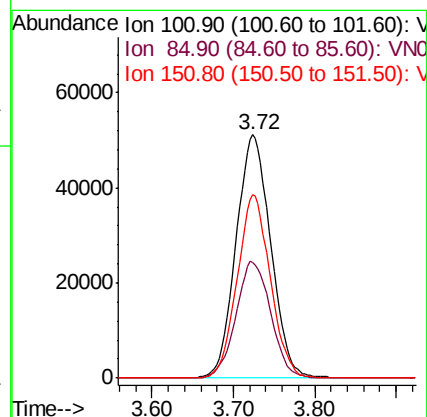
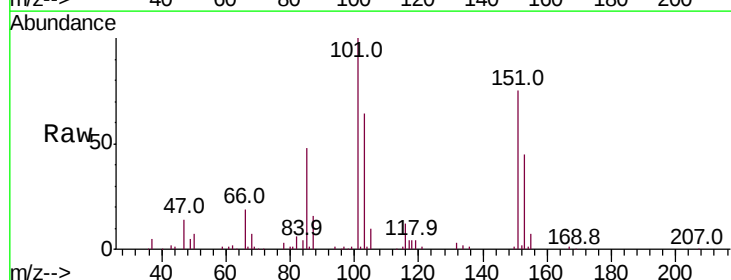
Instrument :
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RE134D3-20200915DL

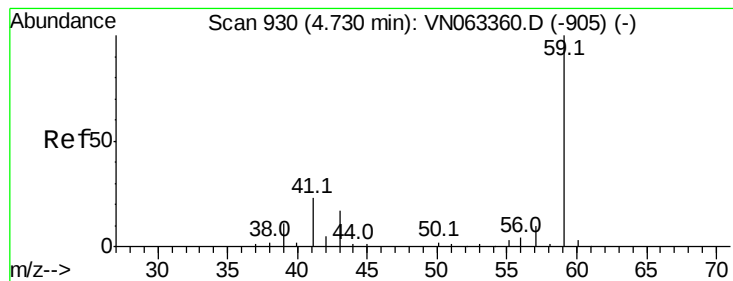
Tot Ion:168 Resp: 215331
Ion Ratio Lower Upper
168 100
99 64.2 53.0 79.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 62.982 ug/l
RT: 3.72 min Scan# 617
Delta R.T. 0.01 min
Lab File: VN063544.D
Acq: 22 Sep 2020 19:43

Tgt Ion:101 Resp: 151099
Ion Ratio Lower Upper
101 100
85 47.9 37.7 56.5
151 72.0 57.7 86.5



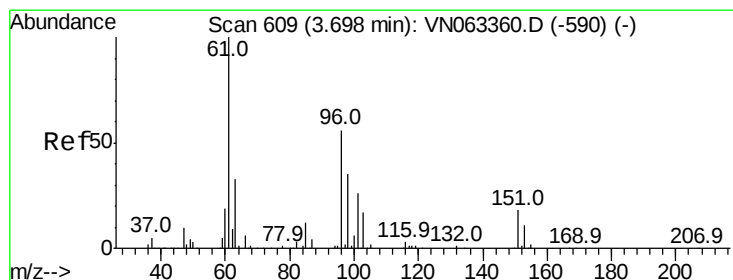
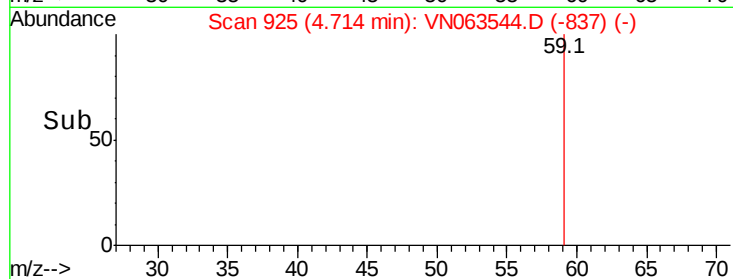
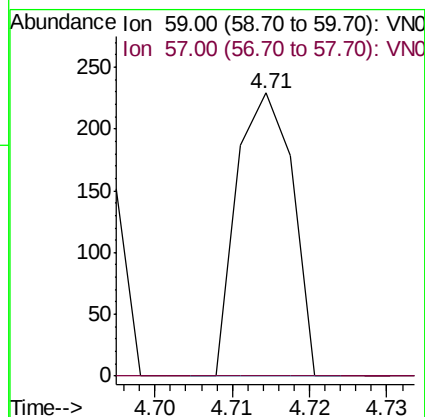
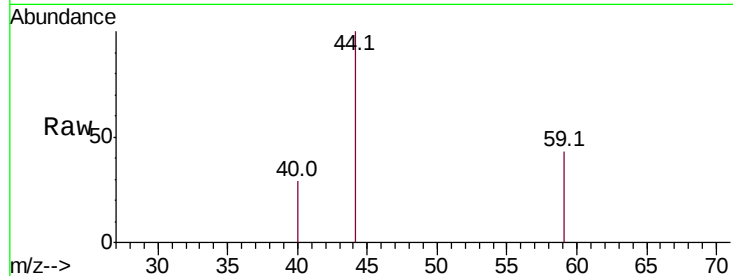


#11

Tert butyl alcohol
 Concen: 0.226 ug/l
 RT: 4.71 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: VN063544.D
 Acq: 22 Sep 2020 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D3-20200915DL

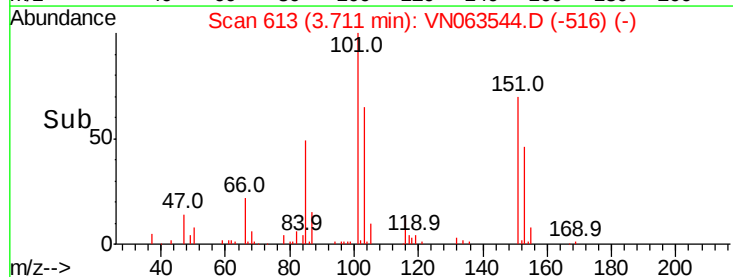
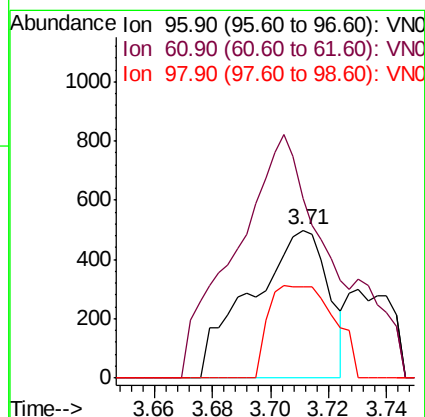
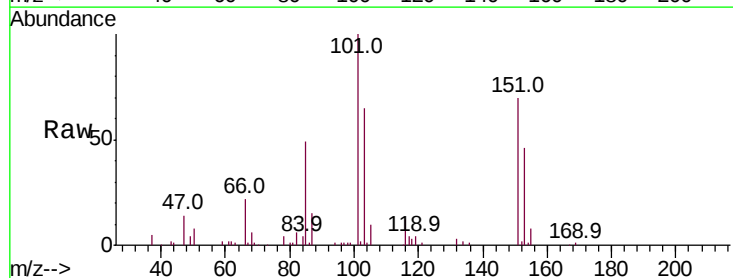
Tot Ion: 59 Resp: 115
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

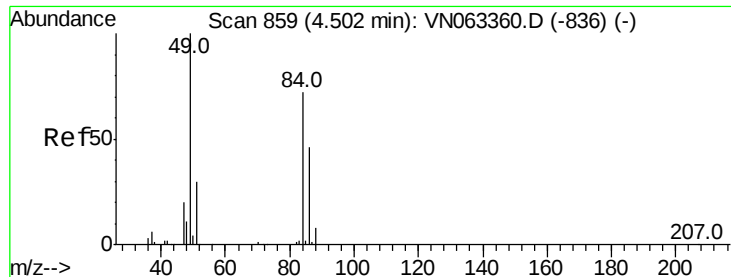


#12

1,1-Dichloroethene
 Concen: 0.381 ug/l
 RT: 3.71 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN063544.D
 Acq: 22 Sep 2020 19:43

Tgt Ion: 96 Resp: 927
 Ion Ratio Lower Upper
 96 100
 61 82.4 143.4 215.2#
 98 61.7 50.6 76.0

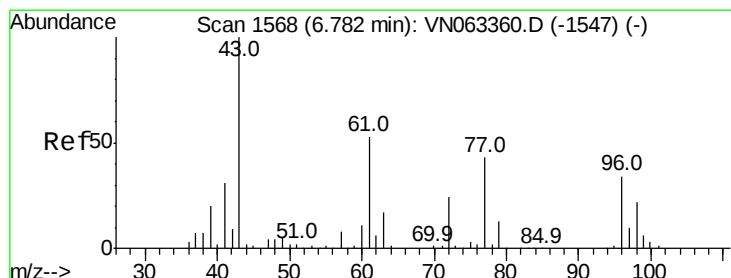
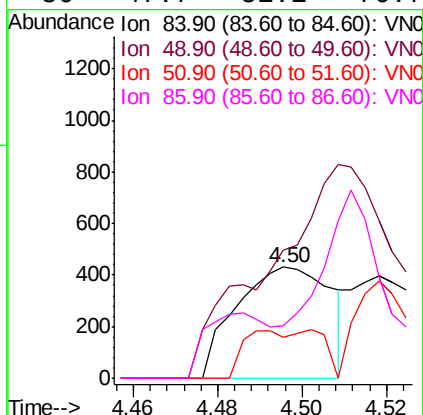
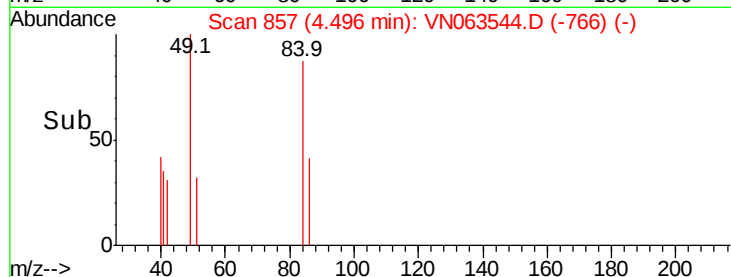
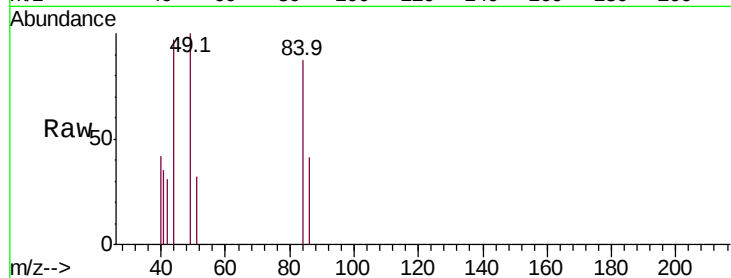




#20
Methvlene Chloride
Concen: 0.224 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN063544.D
Acq: 22 Sep 2020 19:43

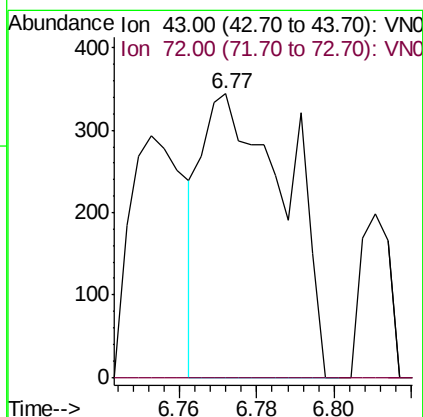
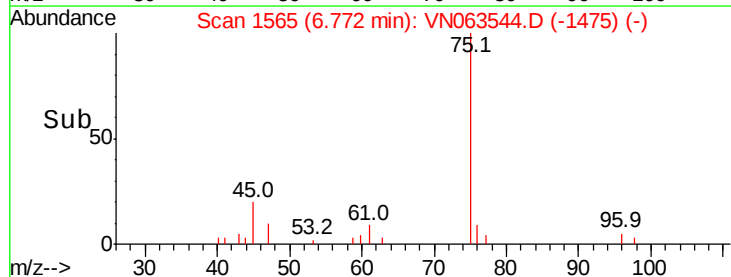
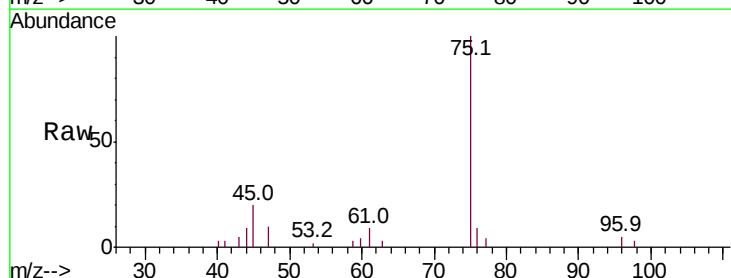
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20200915DL

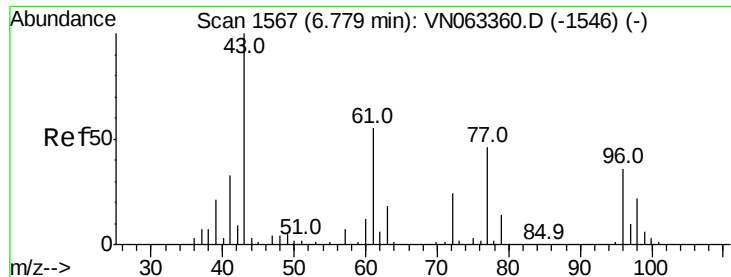
Tot Ion: 84 Resp: 668
Ion Ratio Lower Upper
84 100
49 115.6 110.7 166.1
51 37.4 32.9 49.3
86 47.7 51.1 76.7#



#25
2-Butanone
Concen: 0.288 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VN063544.D
Acq: 22 Sep 2020 19:43

Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#





#27

cis-1,2-Dichloroethene

Concen: 0.515 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063544.D

Acq: 22 Sep 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

RE134D3-20200915DL

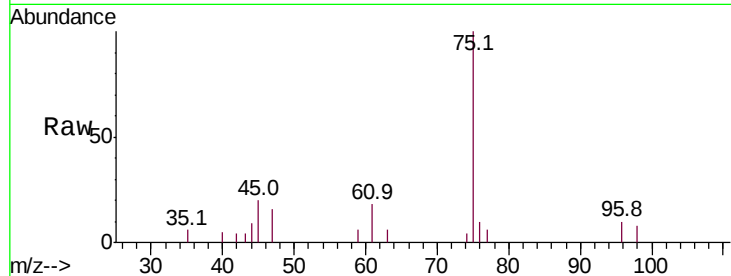
Tot Ion: 96 Resp: 1568

Ion Ratio Lower Upper

96 100

61 0.0 0.0 319.6

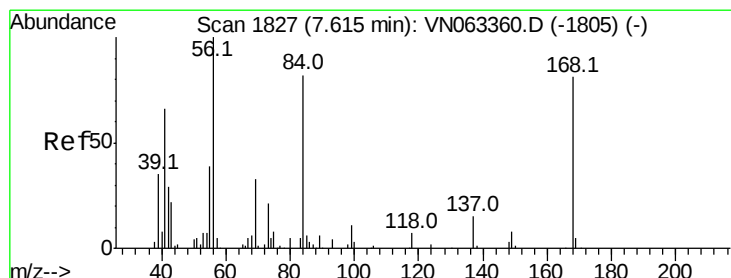
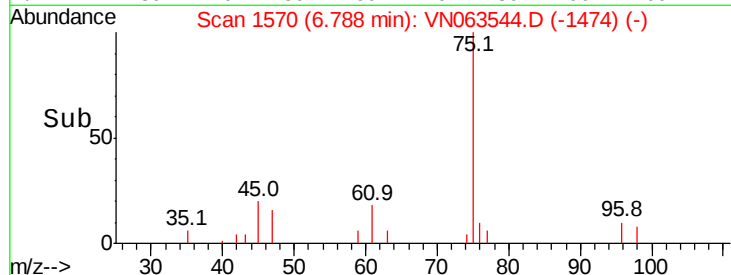
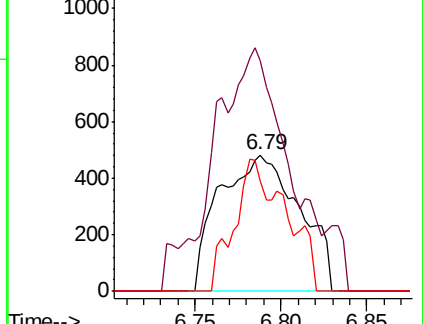
98 40.5 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN063360.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN063360.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN063360.D (-1546) (-)



#31

Cyclohexane

Concen: 1.385 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063544.D

Acq: 22 Sep 2020 19:43

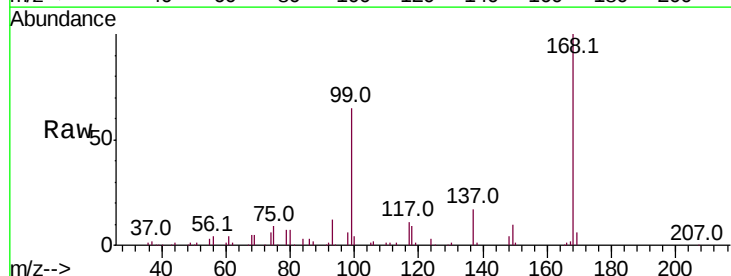
Tgt Ion: 56 Resp: 7013

Ion Ratio Lower Upper

56 100

69 129.0 26.1 39.1#

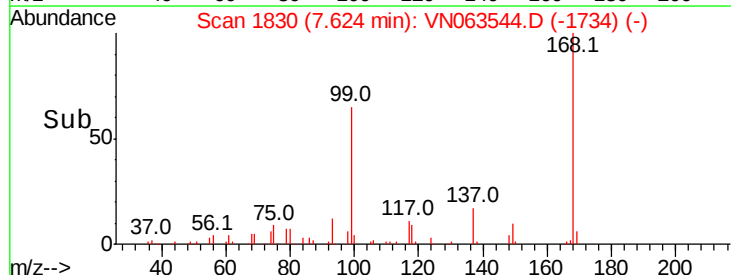
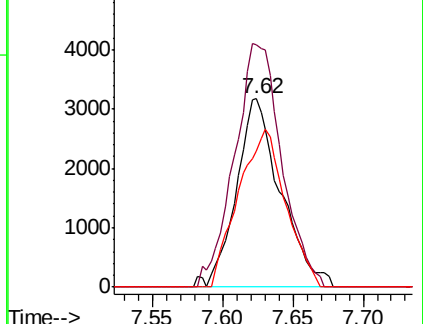
84 72.5 65.4 98.2

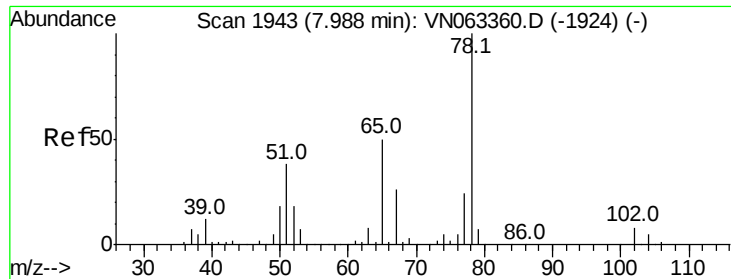


Abundance Ion 56.00 (55.70 to 56.70): VN063360.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN063360.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN063360.D (-1805) (-)

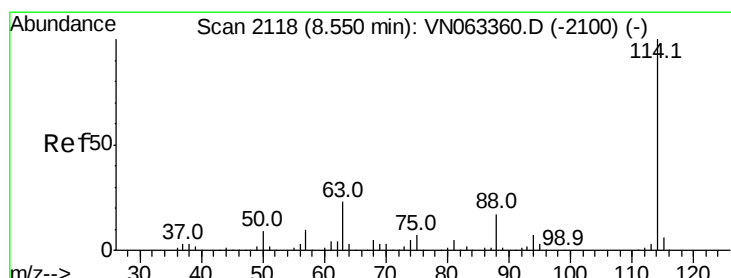
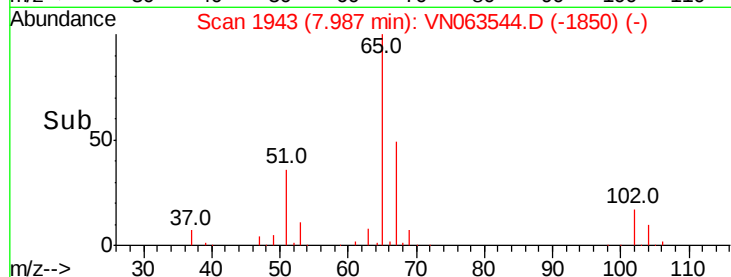
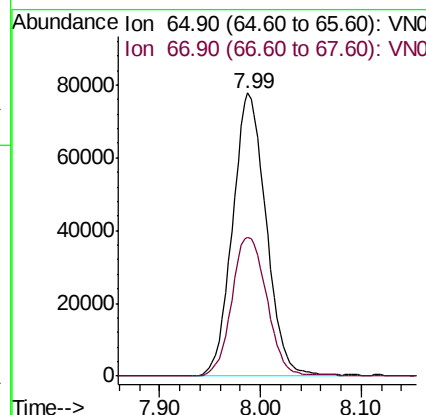
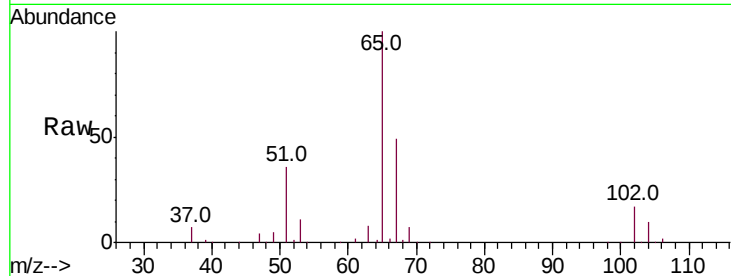




#33
 1,2-Dichloroethane-d4
 Concen: 49.084 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063544.D
 Acq: 22 Sep 2020 19:43

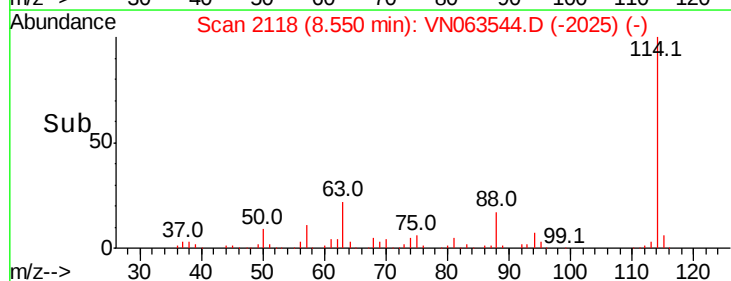
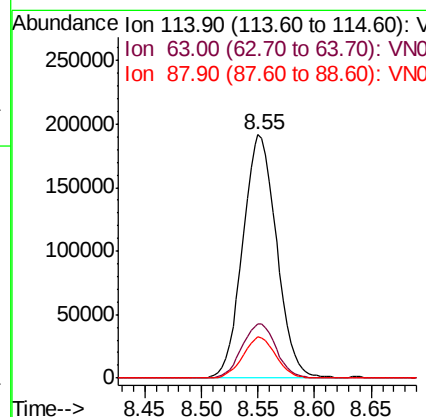
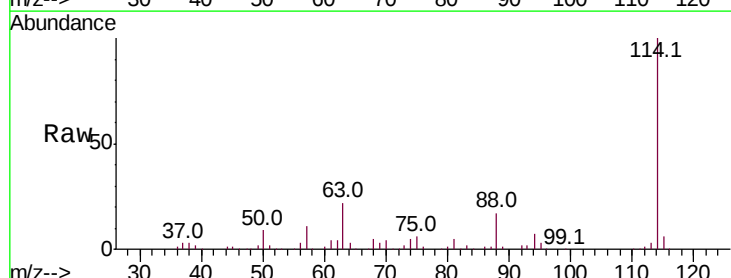
Instrument :
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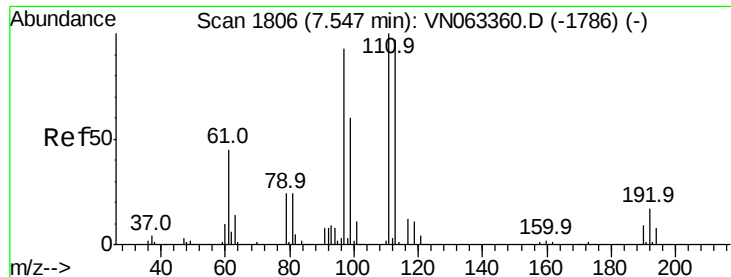
Tot Ion: 65 Resp: 179919
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063544.D
 Acq: 22 Sep 2020 19:43

Tgt Ion: 114 Resp: 400265
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 46.4
 88 17.0 0.0 33.2

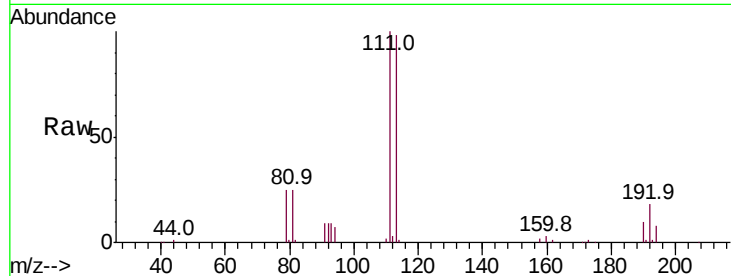




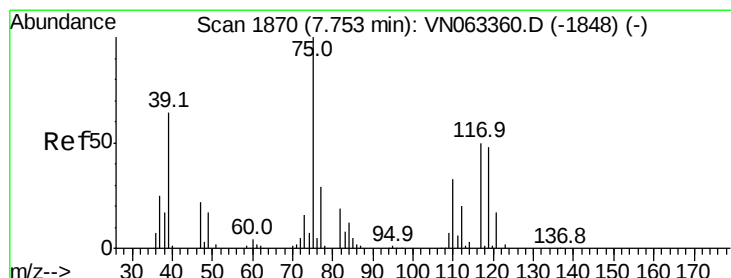
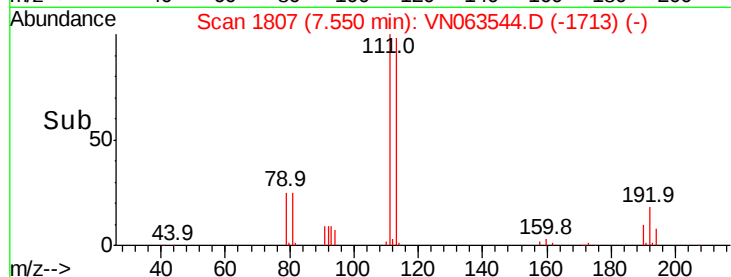
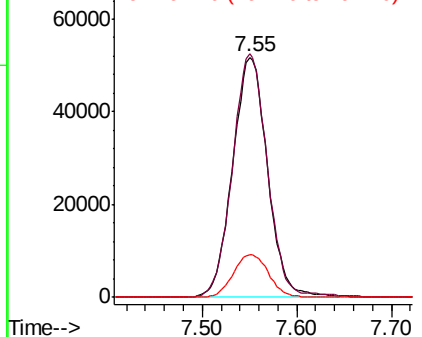
#35
Dibromofluoromethane
Concen: 48.025 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063544.D
Acq: 22 Sep 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20200915DL

Tot Ion:113 Resp: 133076
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 17.9 13.9 20.9

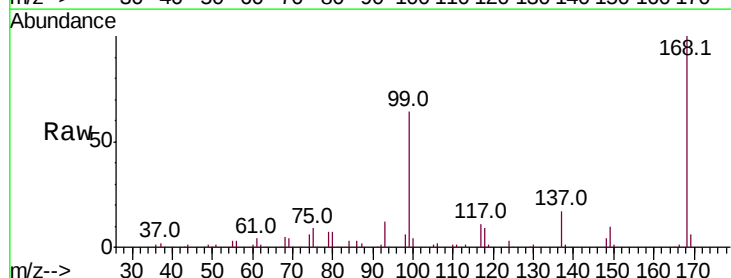


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

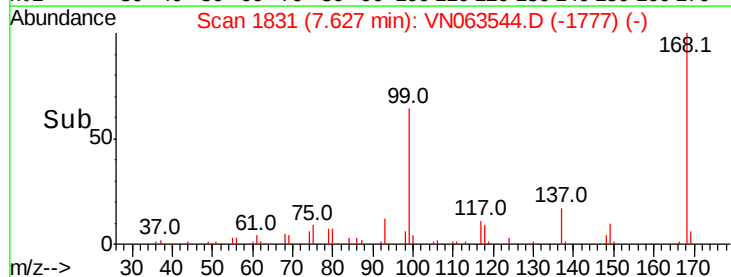
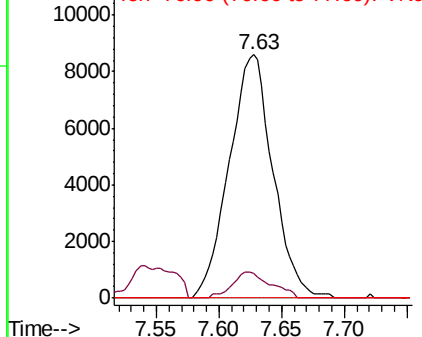


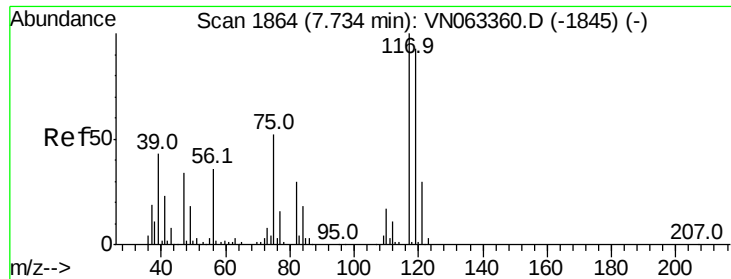
#36
1,1-Dichloropropene
Concen: 4.880 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN063544.D
Acq: 22 Sep 2020 19:43

Tgt Ion: 75 Resp: 20809
Ion Ratio Lower Upper
75 100
110 9.6 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

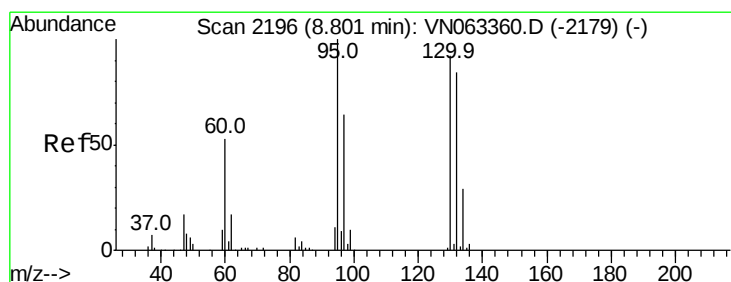
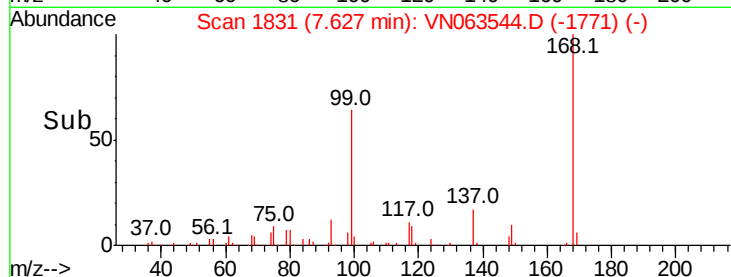
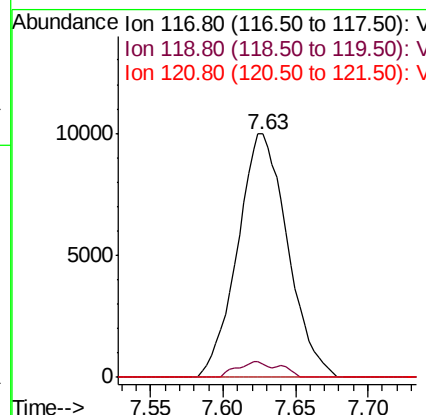
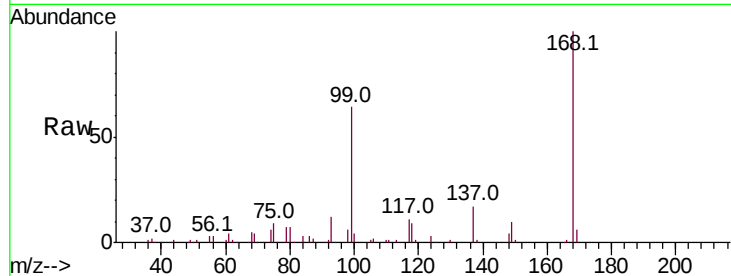




#38
Carbon Tetrachloride
Concen: 5.482 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063544.D
Acq: 22 Sep 2020 19:43

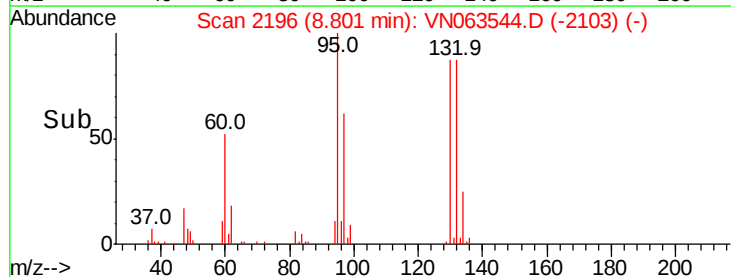
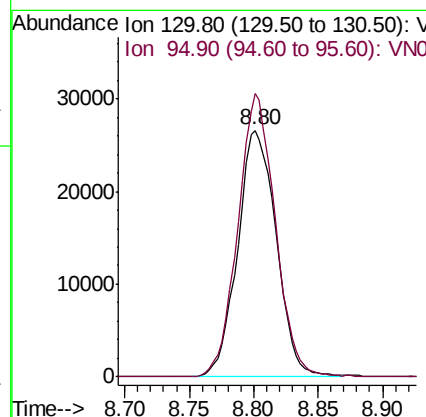
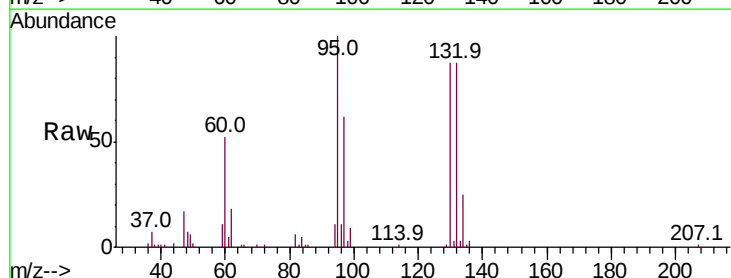
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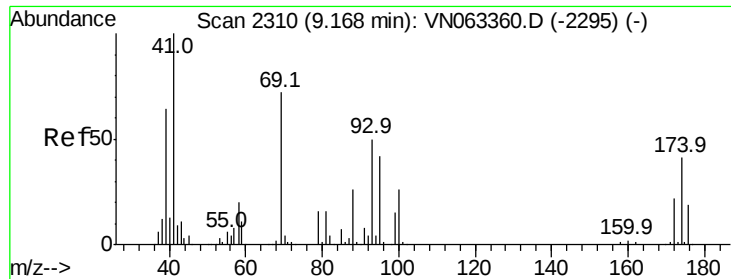
Tot Ion:117 Resp: 23864
Ion Ratio Lower Upper
117 100
119 5.2 74.5 111.7#
121 0.0 24.1 36.1#



#44
Trichloroethene
Concen: 18.772 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN063544.D
Acq: 22 Sep 2020 19:43

Tgt Ion:130 Resp: 55424
Ion Ratio Lower Upper
130 100
95 114.9 0.0 217.4





#49

1,4-Dioxane

Concen: 1.232 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN063544.D

Acq: 22 Sep 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

RE134D3-20200915DL

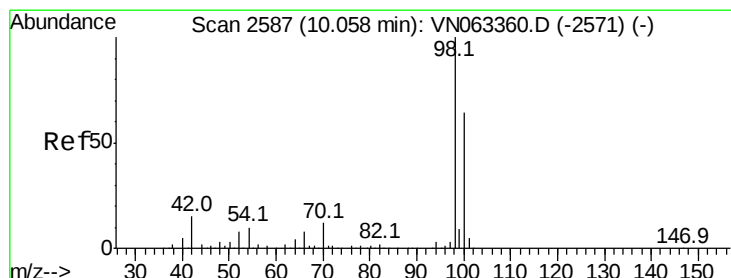
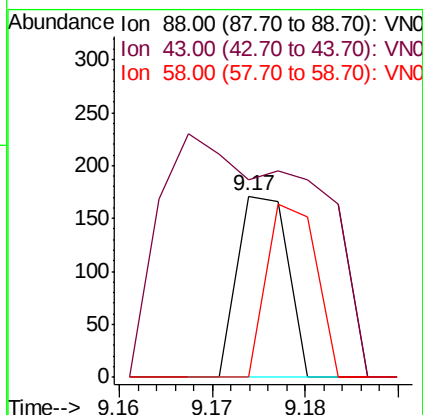
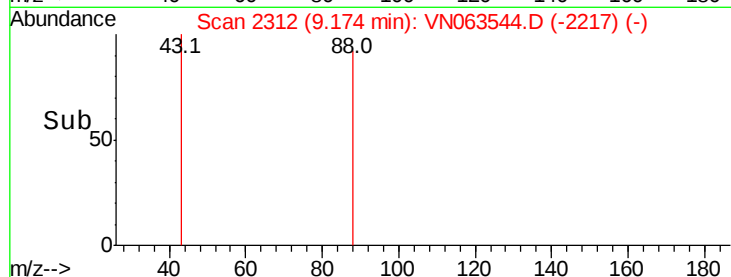
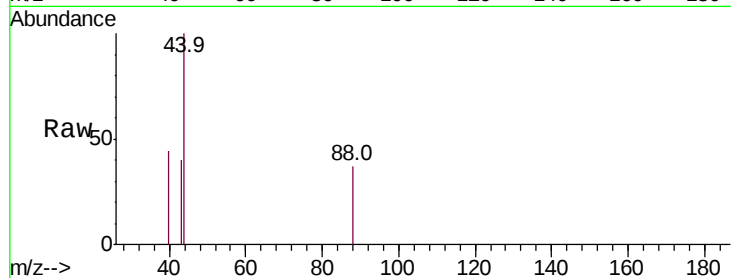
Tot Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 398.5 32.6 49.0#

58 93.8 60.0 90.0#



#50

Toluene-d8

Concen: 49.414 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063544.D

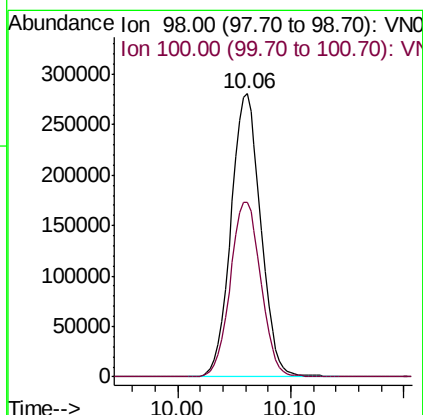
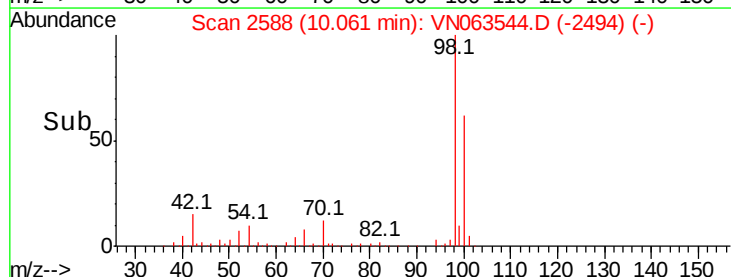
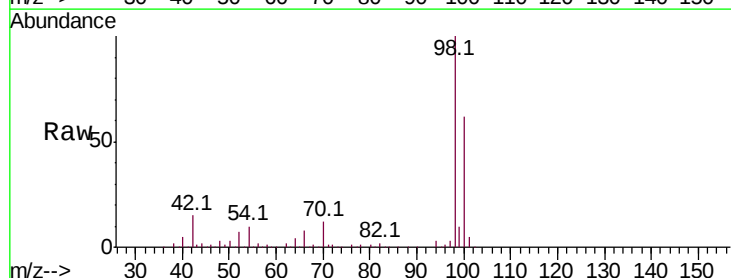
Acq: 22 Sep 2020 19:43

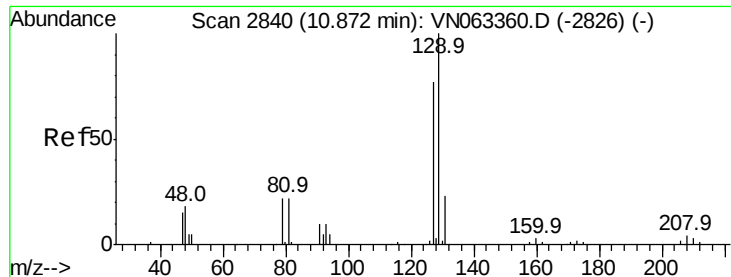
Tgt Ion: 98 Resp: 514859

Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1





#60

Dibromochloromethane

Concen: 6.646 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. -0.27 min

Lab File: VN063544.D

Acq: 22 Sep 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

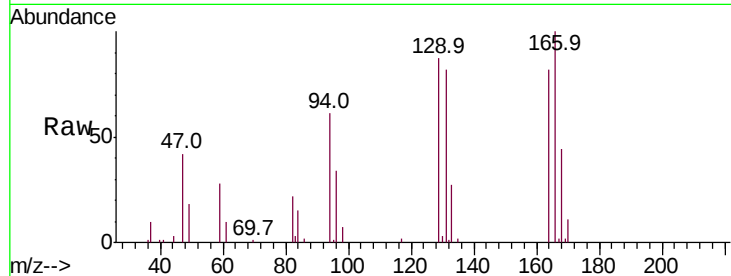
RE134D3-20200915DL

Tot Ion:129 Resp: 21828

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.60

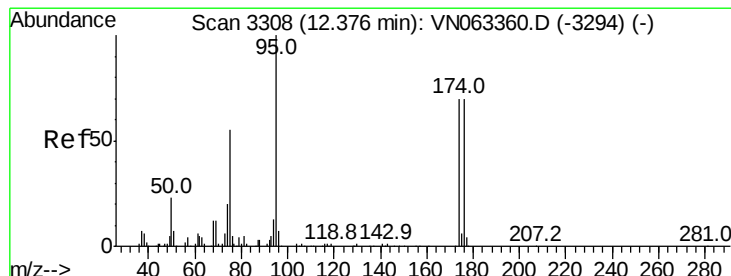
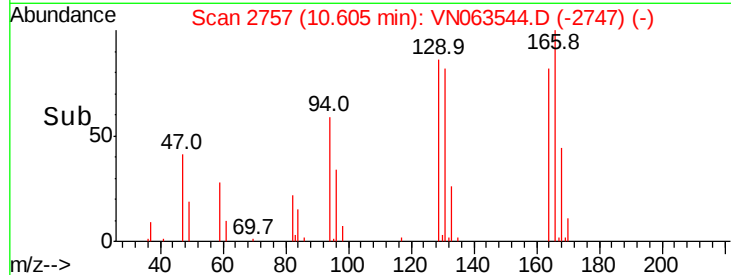
15000

10000

5000

0

Time--> 10.55 10.60 10.65



#62

4-Bromofluorobenzene

Concen: 52.004 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063544.D

Acq: 22 Sep 2020 19:43

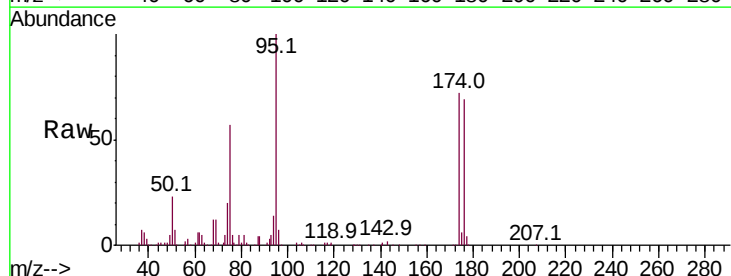
Tgt Ion: 95 Resp: 198631

Ion Ratio Lower Upper

95 100

174 72.1 0.0 140.8

176 70.7 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

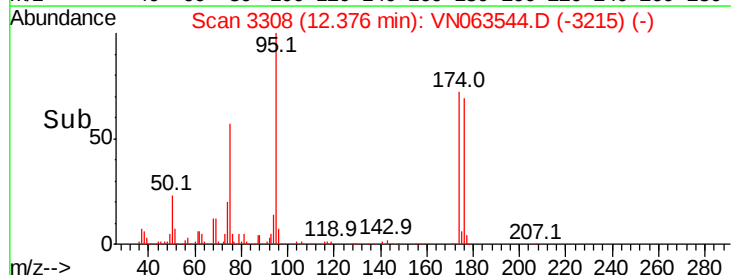
150000

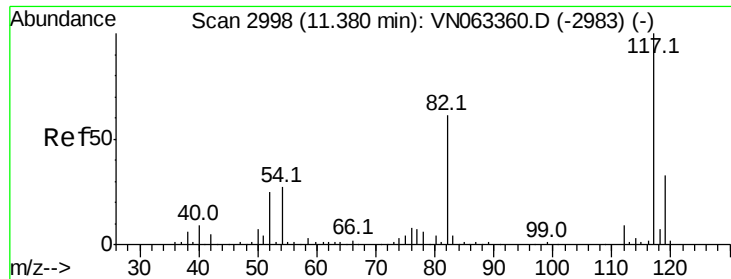
100000

50000

0

Time--> 12.30 12.40 12.50

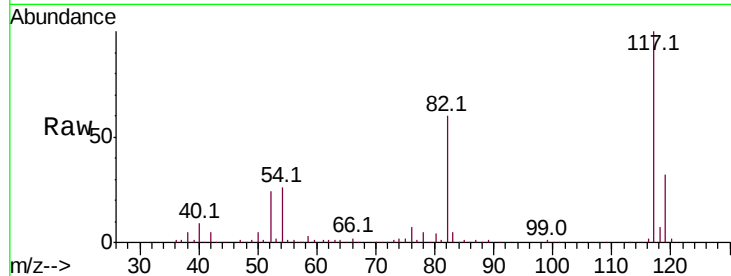




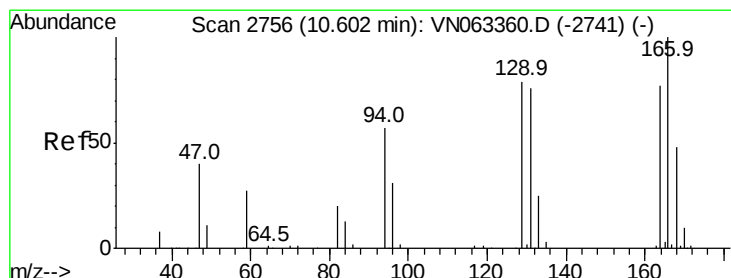
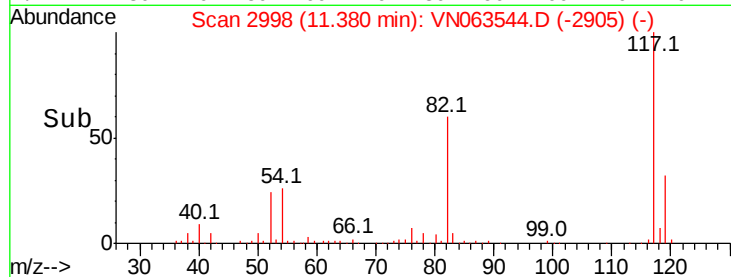
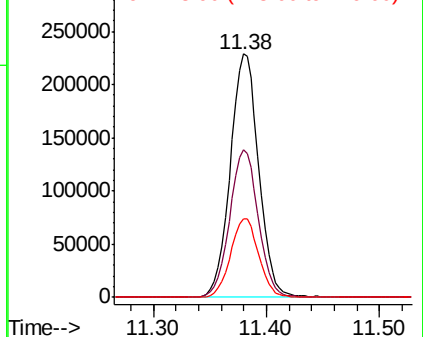
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063544.D
Acq: 22 Sep 2020 19:43

Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20200915DL

Tot Ion:117 Resp: 399425
Ion Ratio Lower Upper
117 100
82 60.5 49.2 73.8
119 32.5 26.2 39.4

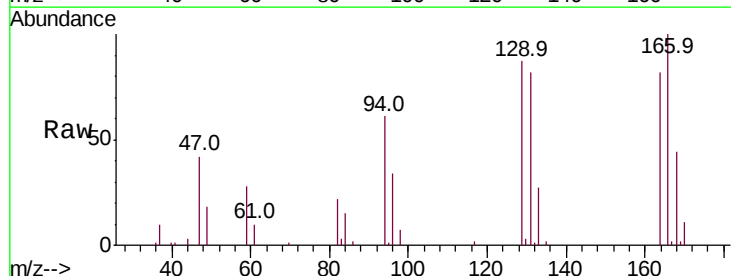


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

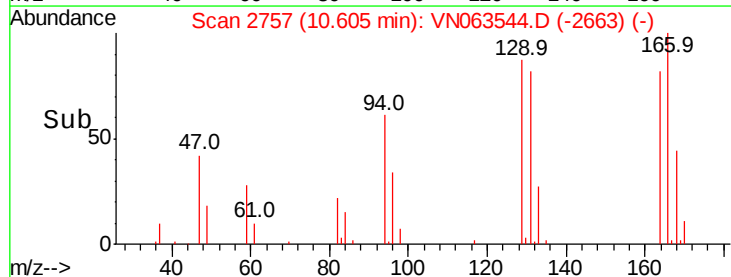
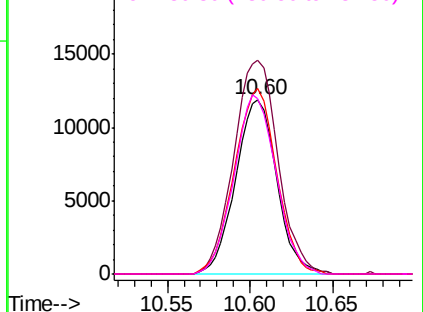


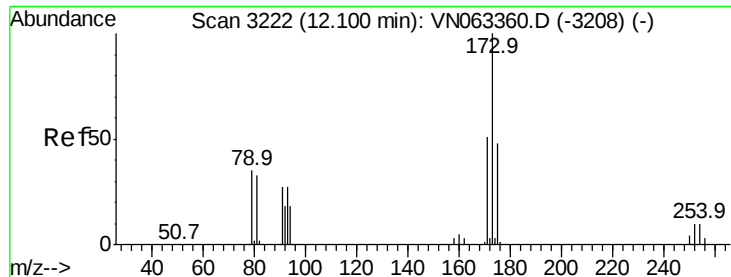
#64
Tetrachloroethene
Concen: 7.545 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063544.D
Acq: 22 Sep 2020 19:43

Tgt Ion:164 Resp: 20522
Ion Ratio Lower Upper
164 100
166 122.5 103.4 155.0
129 106.3 81.8 122.6
131 100.5 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

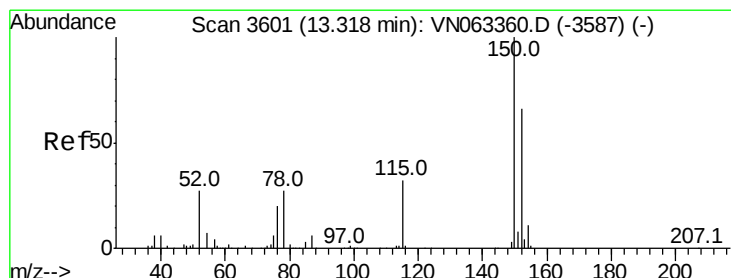
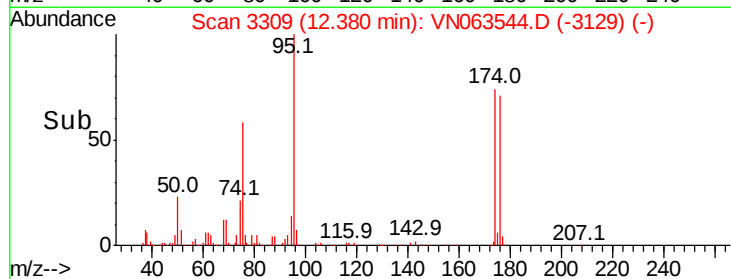
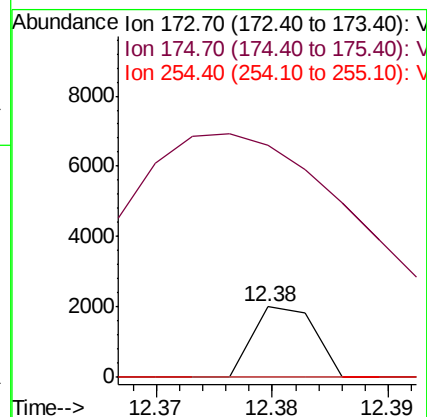
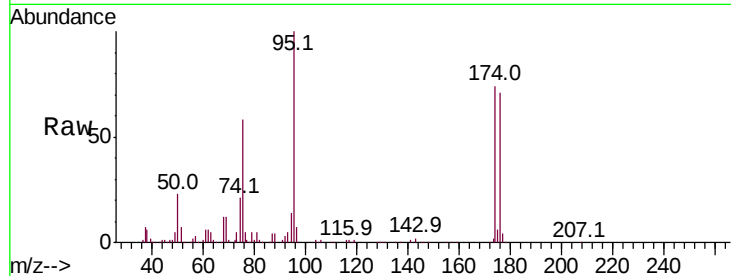




#71
Bromoform
Concen: 0.321 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.28 min
Lab File: VN063544.D
Acq: 22 Sep 2020 19:43

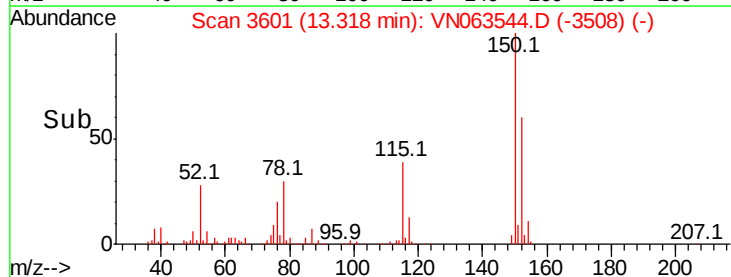
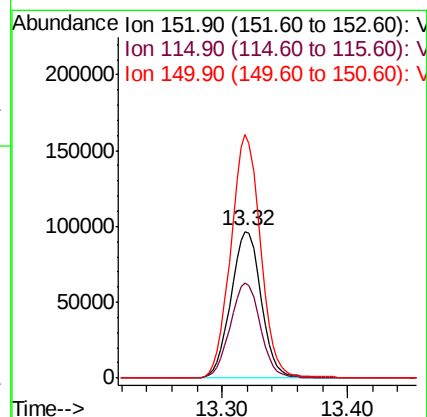
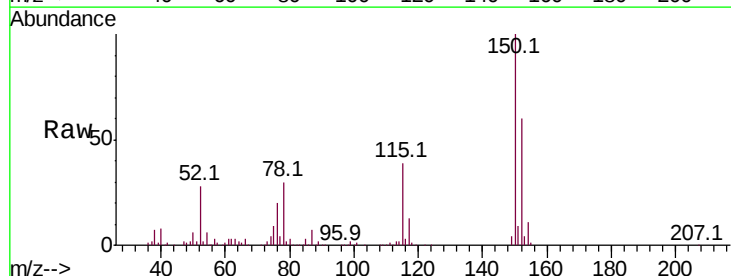
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20200915DL

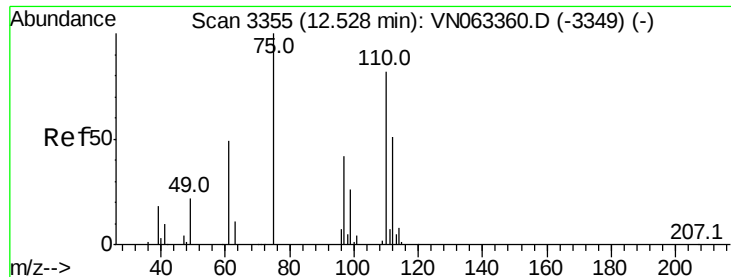
Tot Ion:173 Resp: 743
Ion Ratio Lower Upper
173 100
175 1279.5 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063544.D
Acq: 22 Sep 2020 19:43

Tgt Ion:152 Resp: 163354
Ion Ratio Lower Upper
152 100
115 64.2 32.2 96.6
150 162.1 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 28.153 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063544.D

Acq: 22 Sep 2020 19:43

Instrument :

MSVOA_N

ClientSampleId :

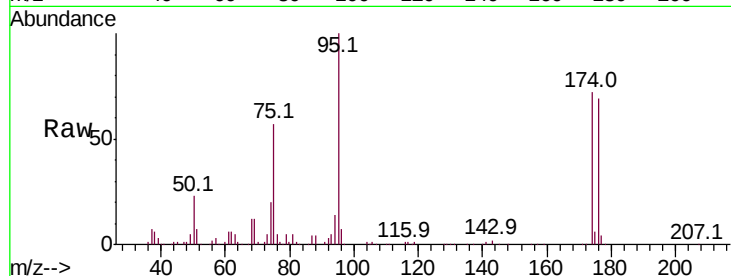
RE134D3-20200915DL

Tot Ion: 75 Resp: 113830

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.38

80000

60000

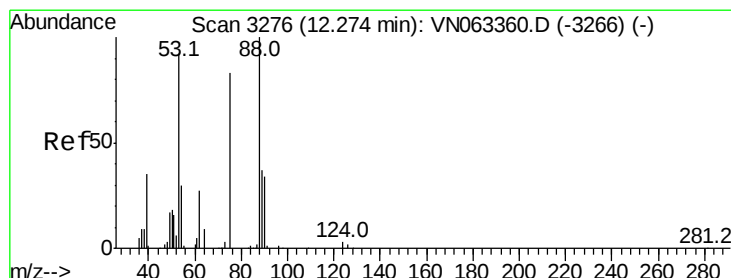
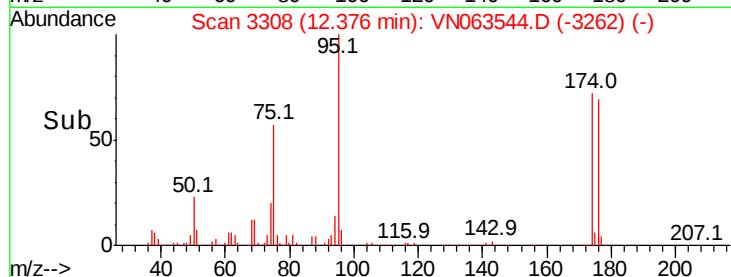
40000

20000

0

Time-->

12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 77.185 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063544.D

Acq: 22 Sep 2020 19:43

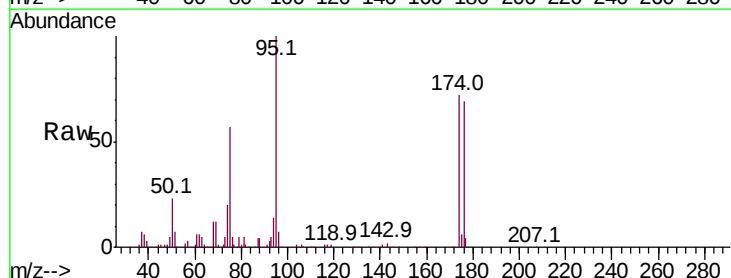
Tgt Ion: 75 Resp: 113830

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.38

80000

60000

40000

20000

0

Time-->

12.30 12.35 12.40 12.45

