

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063541.D
 Acq On : 22 Sep 2020 18:31
 Operator : JC/MD
 Sample : L4082-04DL 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D1-20200915DL

Quant Time: Sep 23 04:02:37 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	7.62	168	205865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	376873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	379866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	164488	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	169768	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
35) Dibromofluoromethane	7.55	113	121404	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
50) Toluene-d8	10.06	98	487065	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.38	95	192399	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	

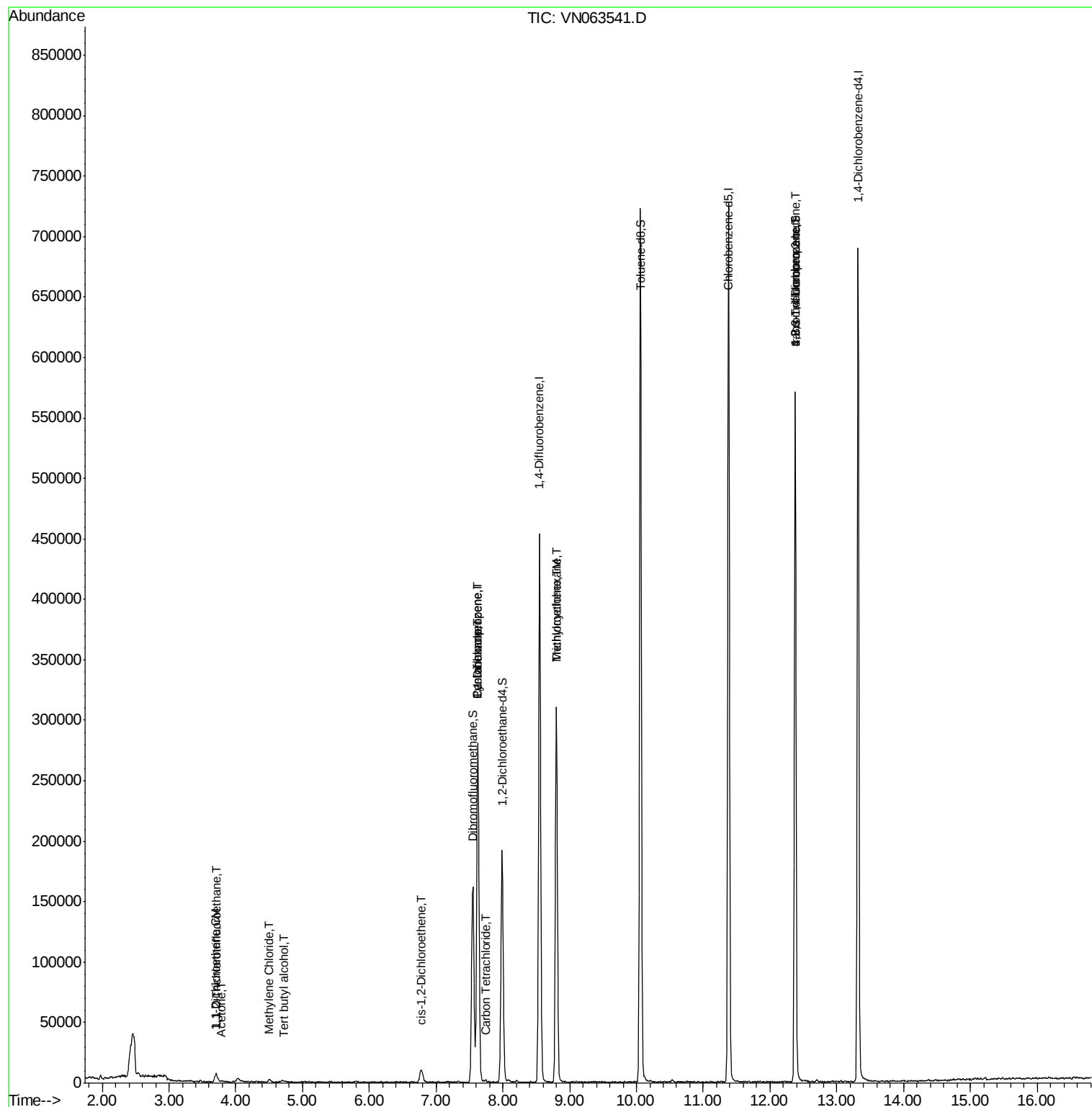
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.71	101	2043	0.891	ug/l #	61
11) Tert butyl alcohol	4.72	59	112	0.231	ug/l #	72
12) 1,1-Dichloroethene	3.69	96	1855	0.798	ug/l #	63
16) Acetone	3.77	43	390	0.346	ug/l #	47
20) Methylene Chloride	4.50	84	1646	0.577	ug/l	94
27) cis-1,2-Dichloroethene	6.78	96	675	0.232	ug/l	40
31) Cyclohexane	7.62	56	5916	1.222	ug/l #	6
36) 1,1-Dichloropropene	7.62	75	19114	4.761	ug/l #	50
38) Carbon Tetrachloride	7.73	117	1271	0.310	ug/l #	66
39) Methylcyclohexane	8.79	83	1621	0.372	ug/l #	1
44) Trichloroethene	8.80	130	105076	37.798	ug/l	97
76) 1,2,3-Trichloropropane	12.38	75	109163	26.813	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	109163	73.510	ug/l #	7

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

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063541.D

Acq: 22 Sep 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

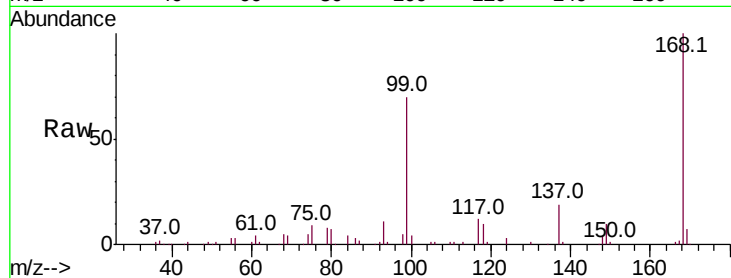
RE139D1-20200915DL

Tot Ion:168 Resp: 205865

Ion Ratio Lower Upper

168 100

99 70.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

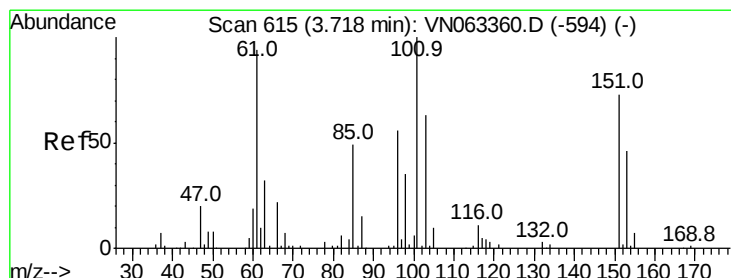
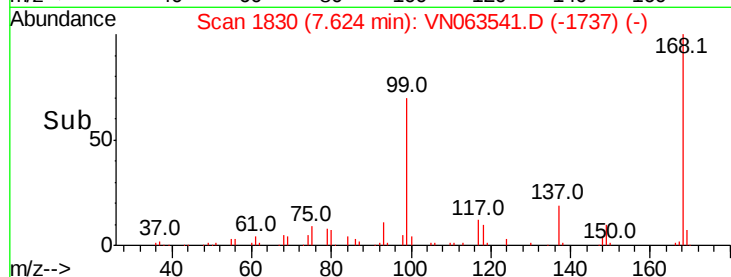
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.891 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN063541.D

Acq: 22 Sep 2020 18:31

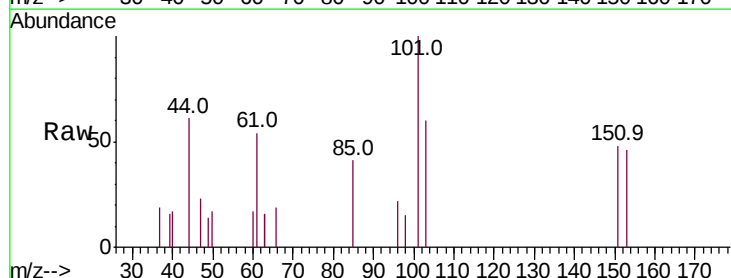
Tgt Ion:101 Resp: 2043

Ion Ratio Lower Upper

101 100

85 55.9 37.7 56.5

151 25.3 57.7 86.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

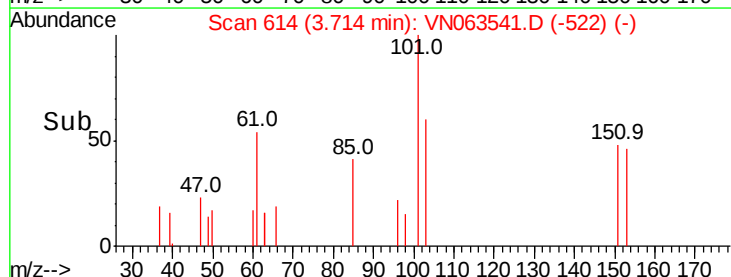
1500

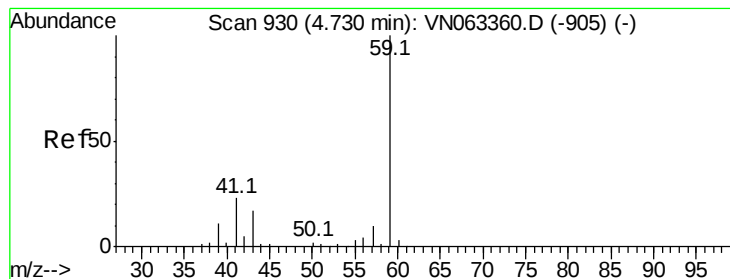
1000

500

0

Time--> 3.66 3.68 3.70 3.72 3.74



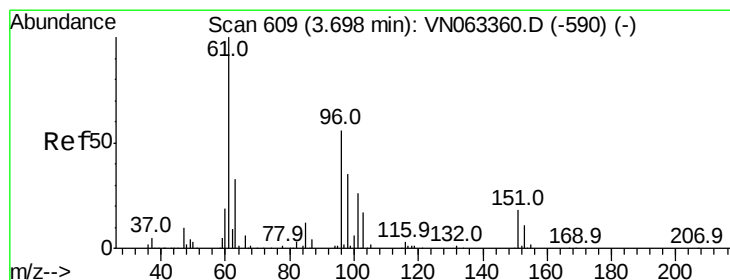
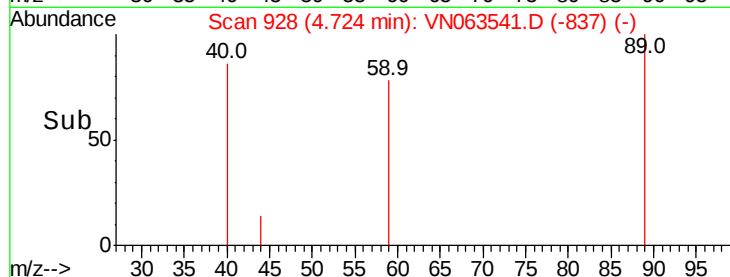
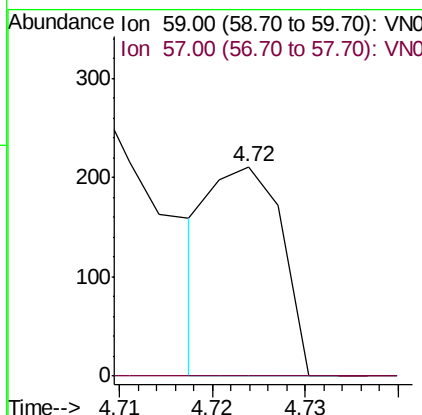
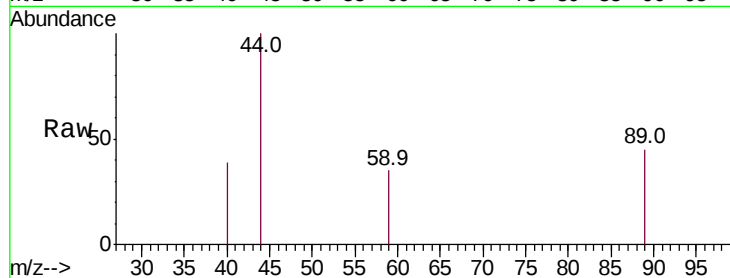


#11

Tert butyl alcohol
 Concen: 0.231 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN063541.D
 Acq: 22 Sep 2020 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D1-20200915DL

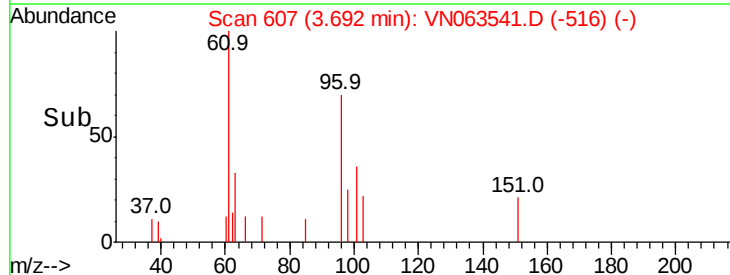
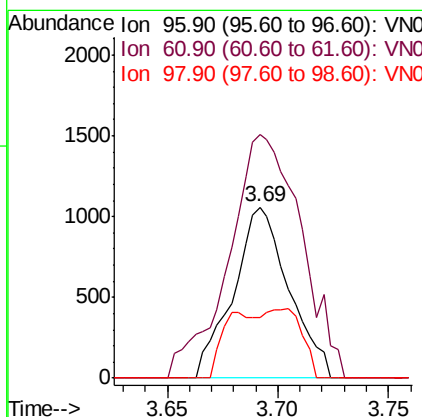
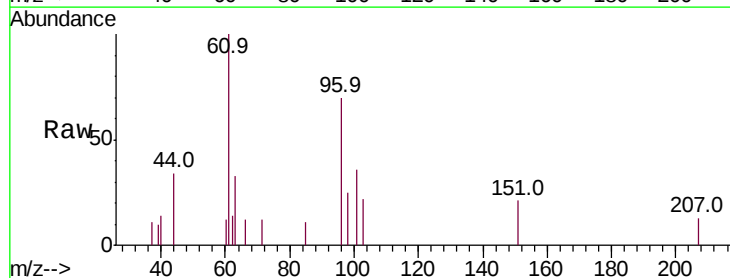
Tot Ion: 59 Resp: 112
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

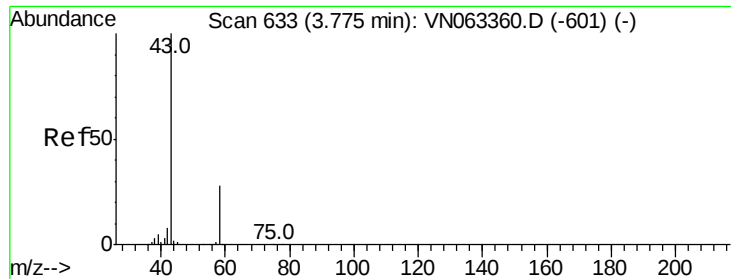


#12

1,1-Dichloroethene
 Concen: 0.798 ug/l
 RT: 3.69 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: VN063541.D
 Acq: 22 Sep 2020 18:31

Tgt Ion: 96 Resp: 1855
 Ion Ratio Lower Upper
 96 100
 61 125.7 143.4 215.2#
 98 35.7 50.6 76.0#





#16

Acetone

Concen: 0.346 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063541.D

Acq: 22 Sep 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

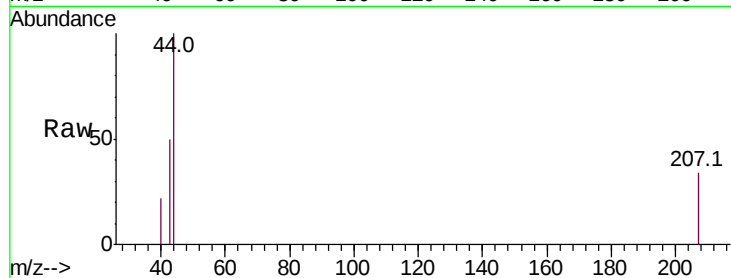
RE139D1-20200915DL

Tot Ion: 43 Resp: 390

Ion Ratio Lower Upper

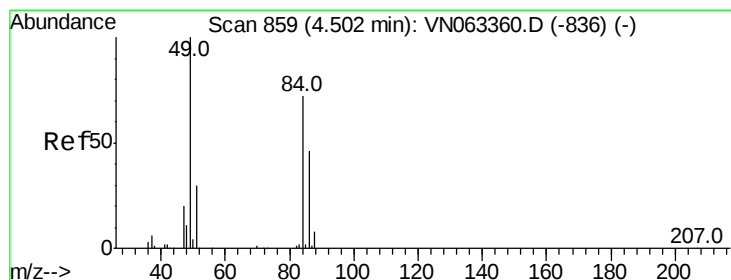
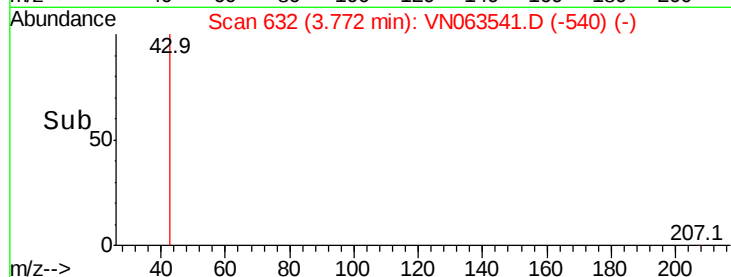
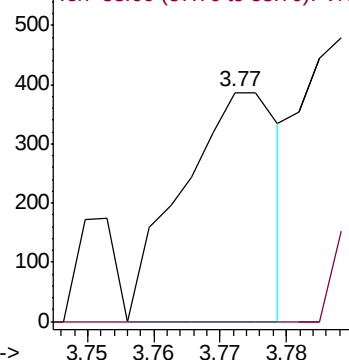
43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#20

Methylene Chloride

Concen: 0.577 ug/l

RT: 4.50 min Scan# 857

Delta R.T. -0.01 min

Lab File: VN063541.D

Acq: 22 Sep 2020 18:31

Tgt Ion: 84 Resp: 1646

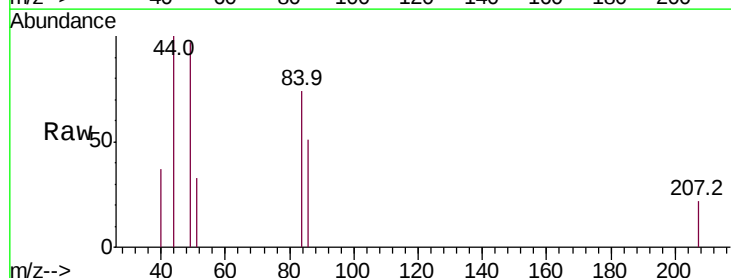
Ion Ratio Lower Upper

84 100

49 130.9 110.7 166.1

51 43.9 32.9 49.3

86 69.0 51.1 76.7

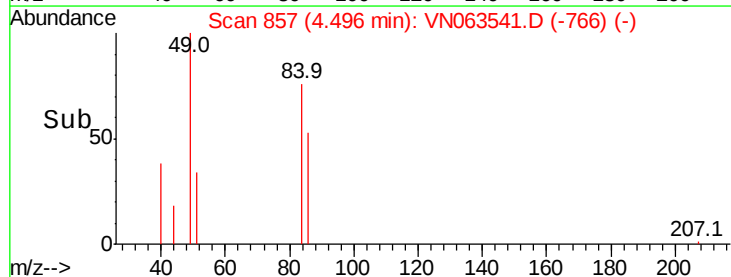
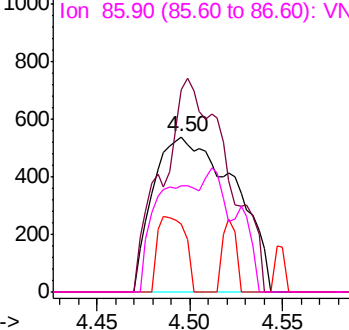


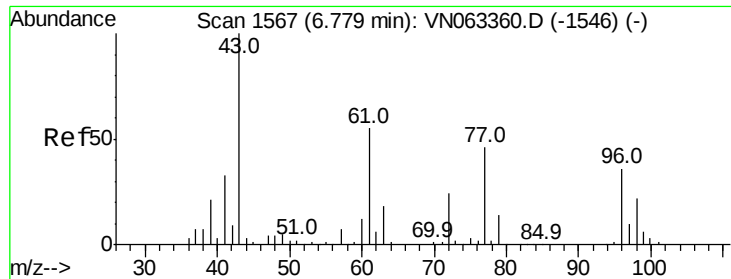
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.232 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063541.D

Acq: 22 Sep 2020 18:31

Instrument :

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RE139D1-20200915DL

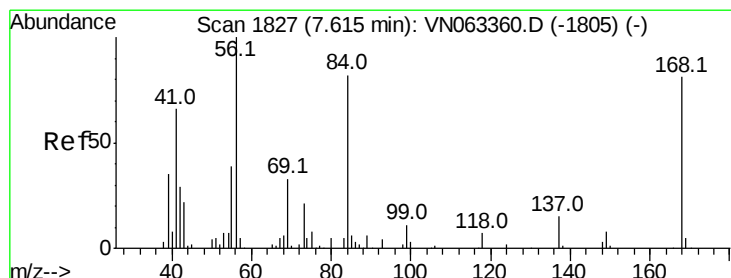
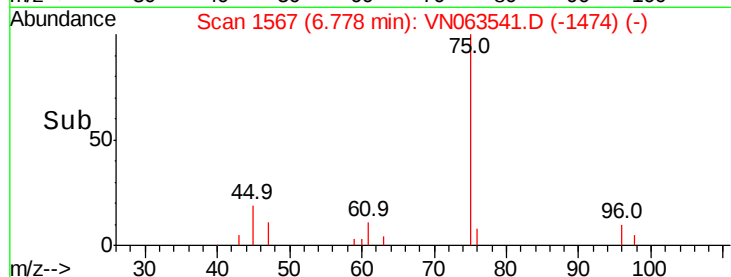
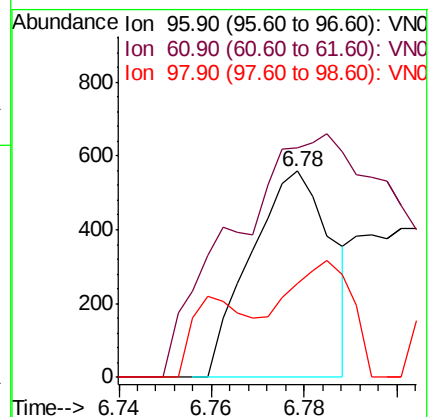
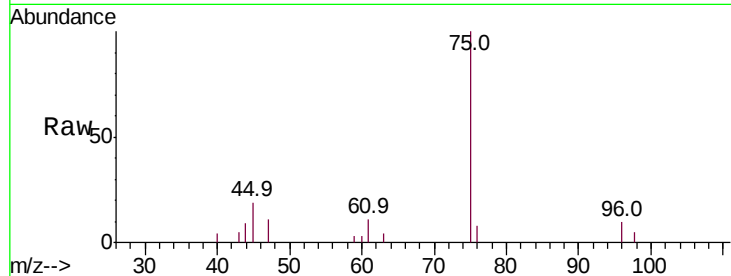
Tot Ion: 96 Resp: 675

Ion Ratio Lower Upper

96 100

61 260.4 0.0 319.6

98 49.0 0.0 127.8



#31

Cyclohexane

Concen: 1.222 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063541.D

Acq: 22 Sep 2020 18:31

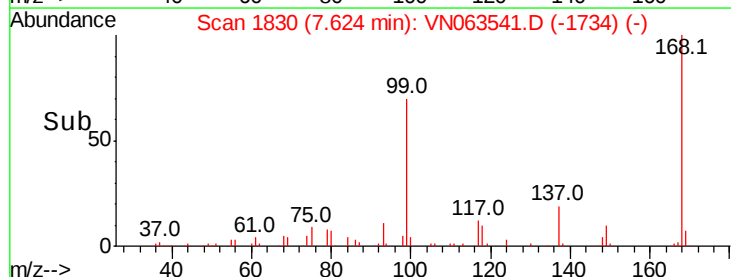
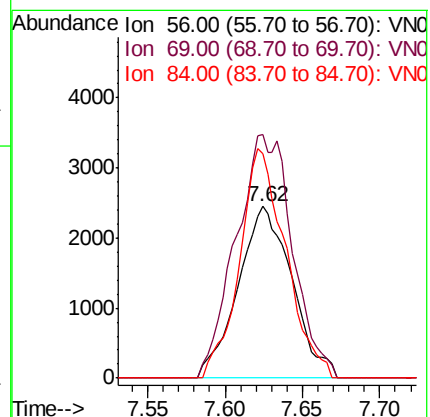
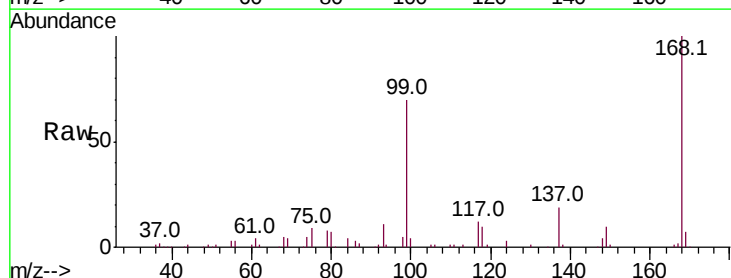
Tgt Ion: 56 Resp: 5916

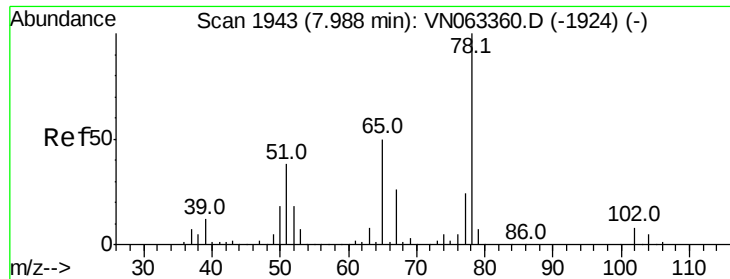
Ion Ratio Lower Upper

56 100

69 141.6 26.1 39.1#

84 130.2 65.4 98.2#

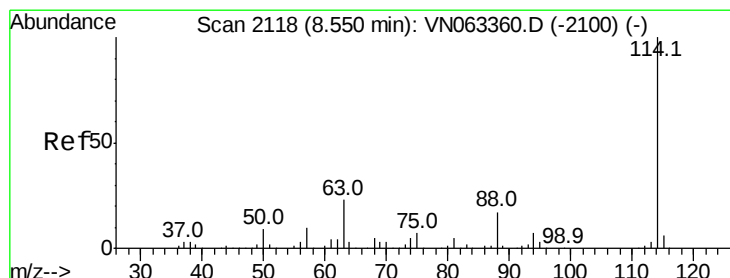
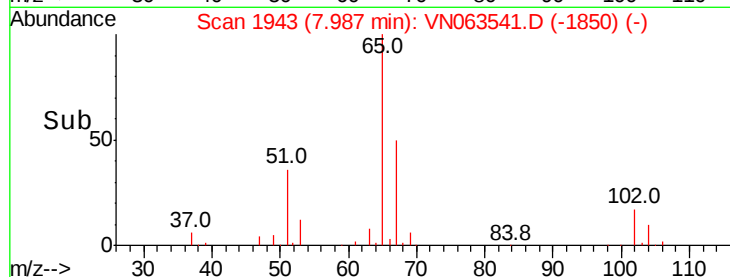
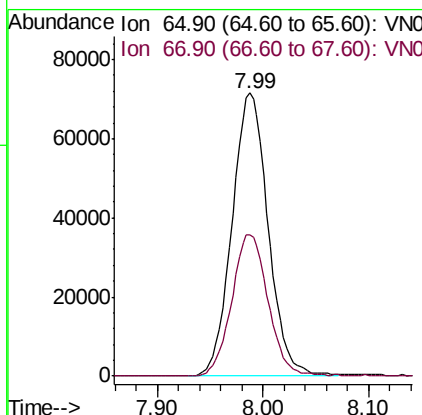
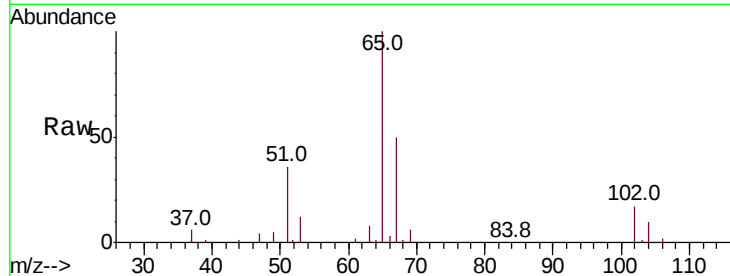




#33
 1,2-Dichloroethane-d4
 Concen: 48.445 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063541.D
 Acq: 22 Sep 2020 18:31

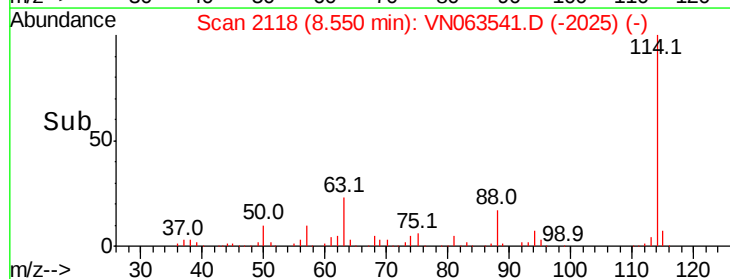
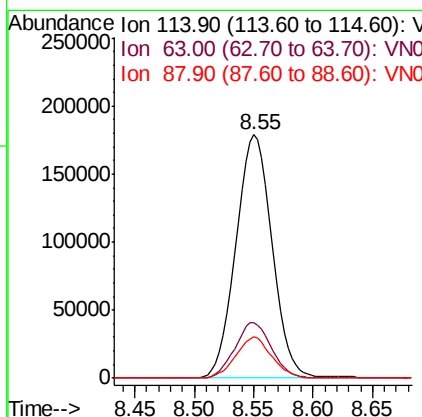
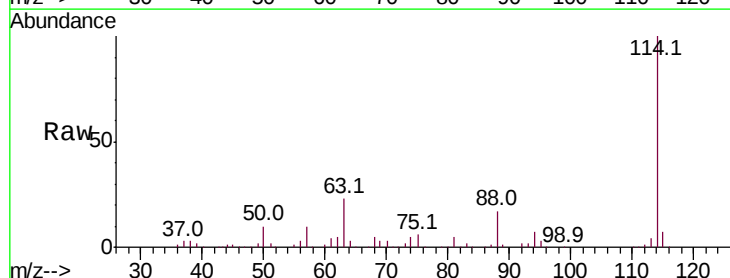
Instrument :
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 RE139D1-20200915DL

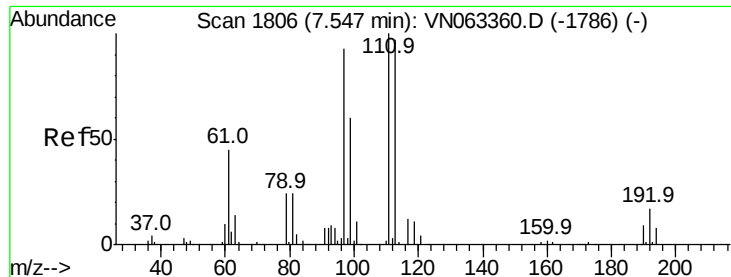
Tot Ion: 65 Resp: 169768
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063541.D
 Acq: 22 Sep 2020 18:31

Tgt Ion: 114 Resp: 376873
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.4
 88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.532 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063541.D

Acq: 22 Sep 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

RE139D1-20200915DL

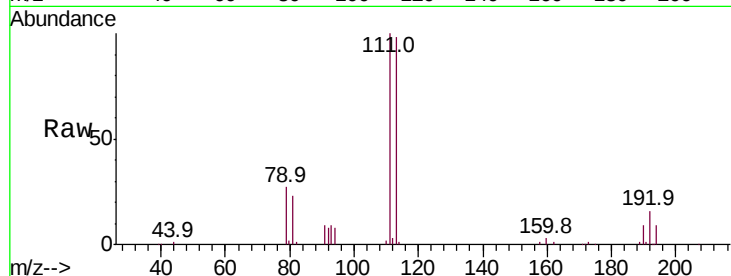
Tot Ion:113 Resp: 121404

Ion Ratio Lower Upper

113 100

111 105.0 82.9 124.3

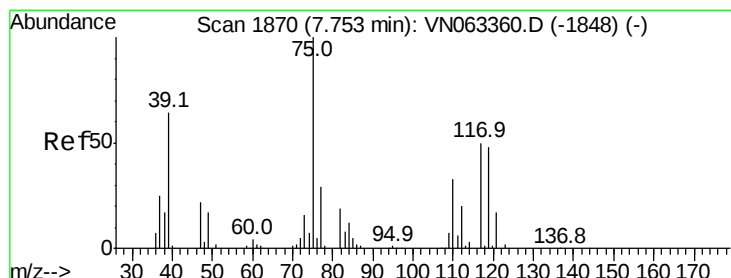
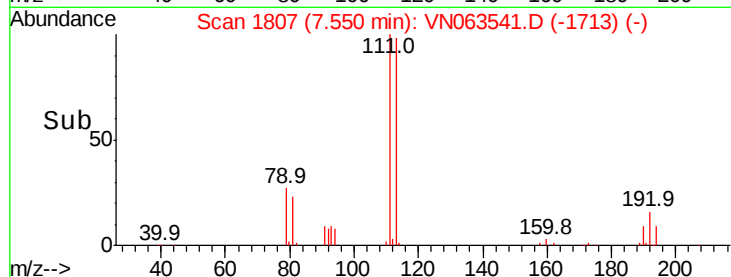
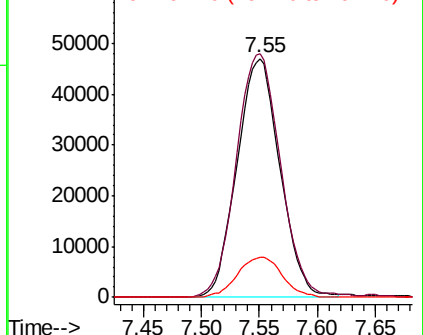
192 17.6 13.9 20.9



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: 4.761 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.13 min

Lab File: VN063541.D

Acq: 22 Sep 2020 18:31

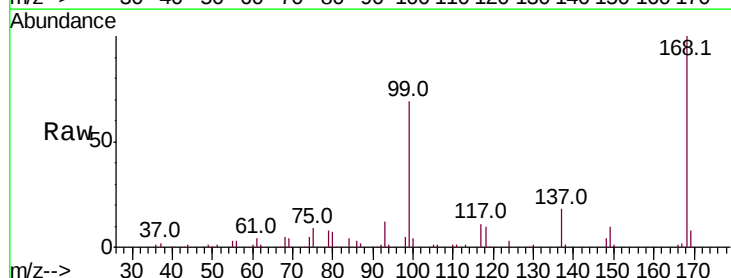
Tgt Ion: 75 Resp: 19114

Ion Ratio Lower Upper

75 100

110 8.4 16.5 49.5#

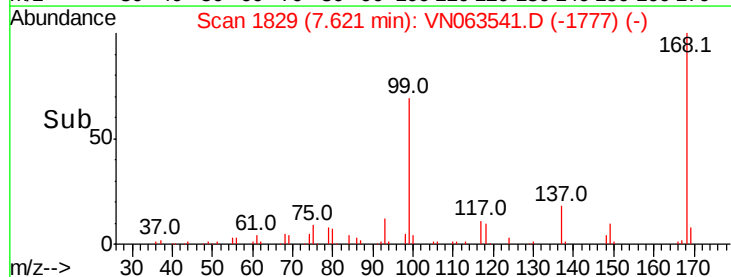
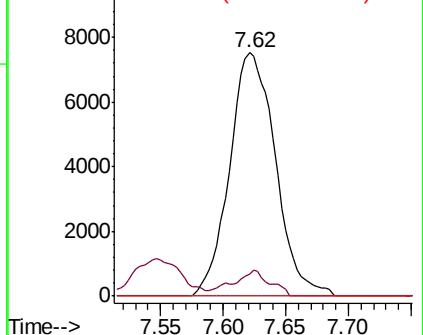
77 0.0 24.6 36.8#

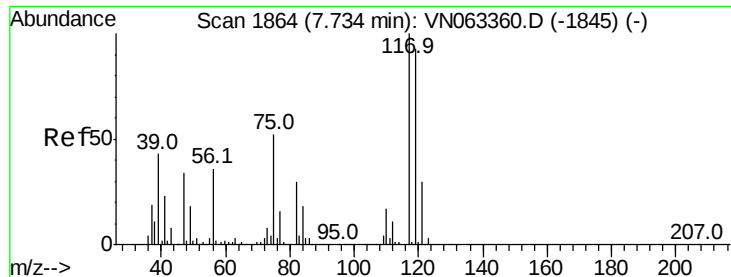


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

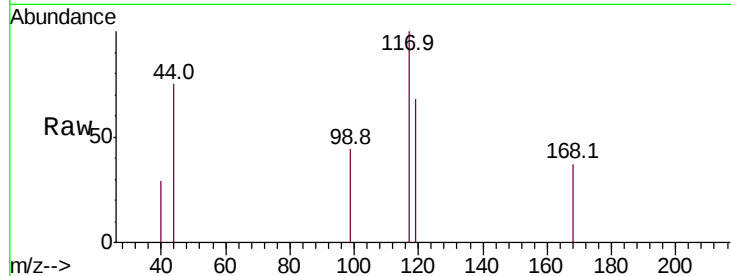




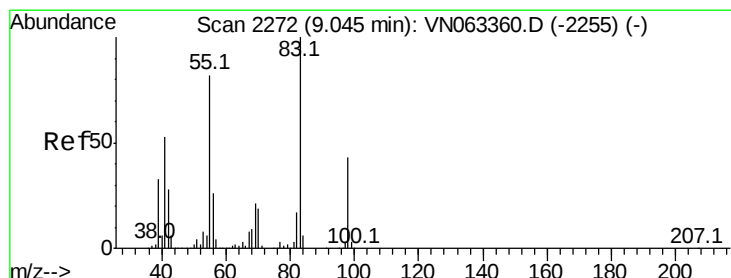
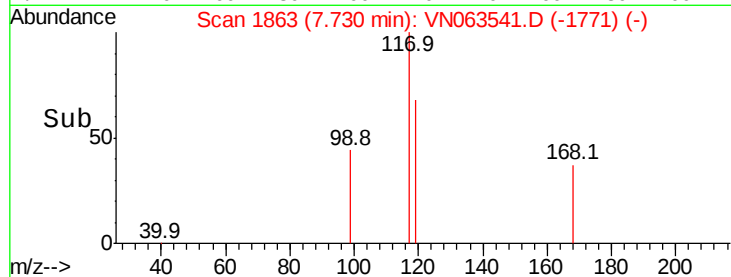
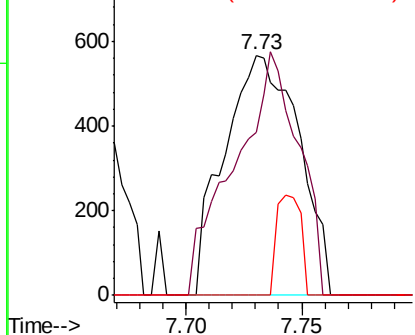
#38
Carbon Tetrachloride
Concen: 0.310 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN063541.D
Acq: 22 Sep 2020 18:31

Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20200915DL

Tot Ion:117 Resp: 1271
Ion Ratio Lower Upper
117 100
119 67.7 74.5 111.7#
121 0.0 24.1 36.1#

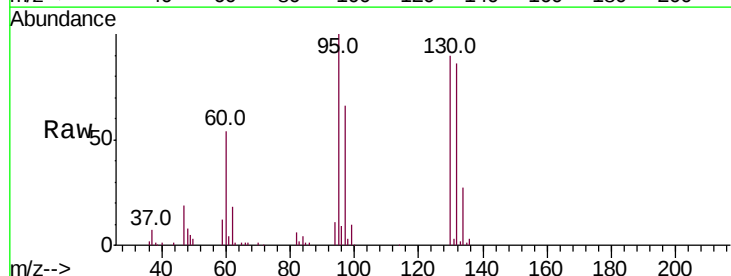


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

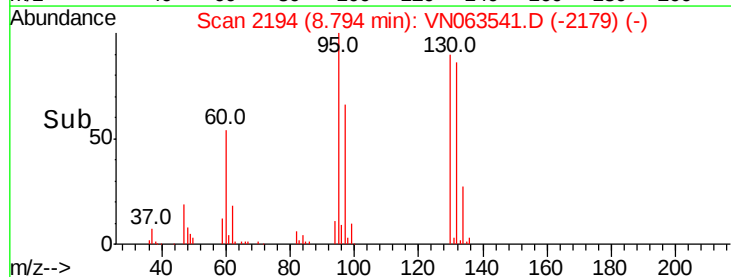
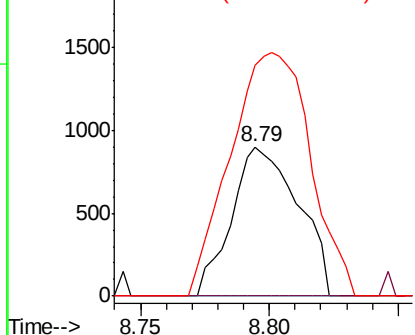


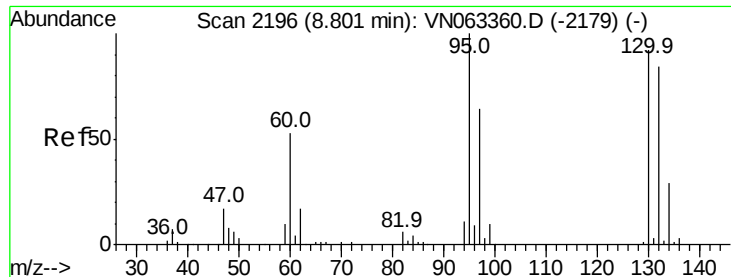
#39
Methylcyclohexane
Concen: 0.372 ug/l
RT: 8.79 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VN063541.D
Acq: 22 Sep 2020 18:31

Tgt Ion: 83 Resp: 1621
Ion Ratio Lower Upper
83 100
55 0.0 65.5 98.3#
98 154.9 34.2 51.4#



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#44

Trichloroethene

Concen: 37.798 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063541.D

Acq: 22 Sep 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

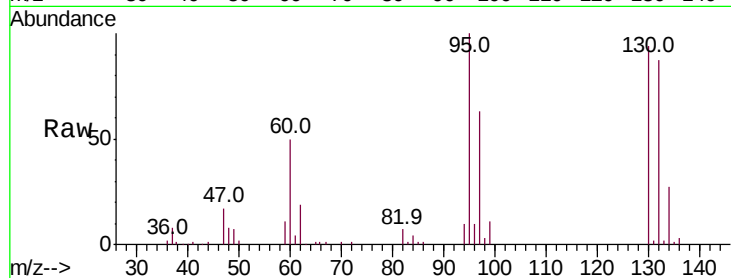
RE139D1-20200915DL

Tot Ion:130 Resp: 105076

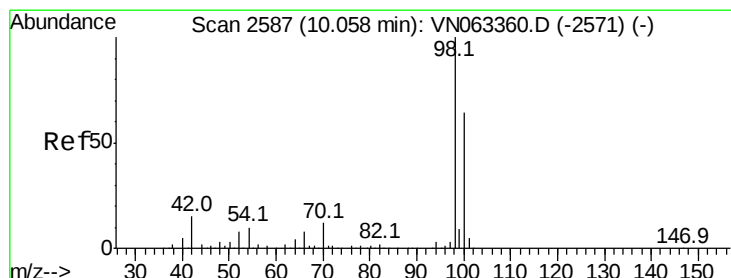
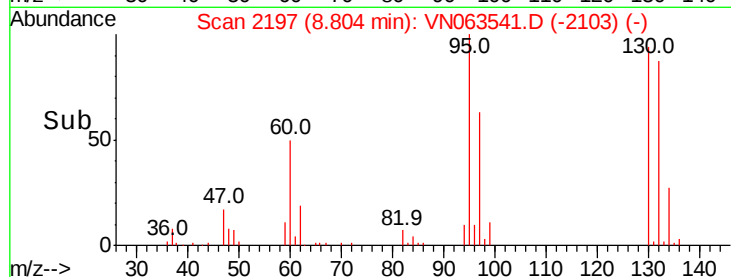
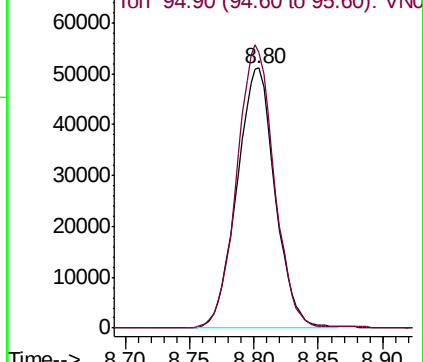
Ion Ratio Lower Upper

130 100

95 106.0 0.0 217.4



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



#50

Toluene-d8

Concen: 49.648 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063541.D

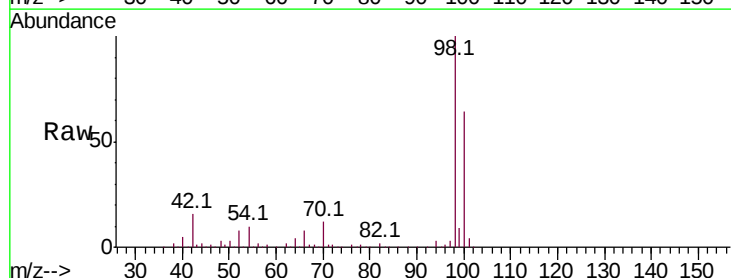
Acq: 22 Sep 2020 18:31

Tgt Ion: 98 Resp: 487065

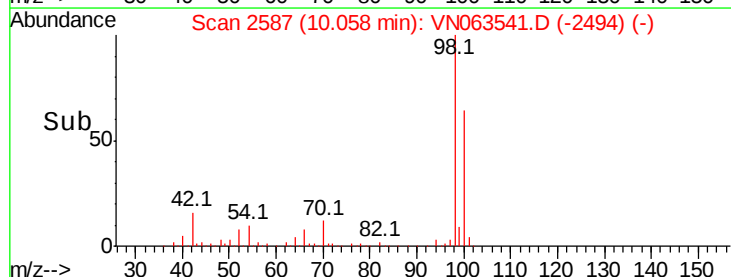
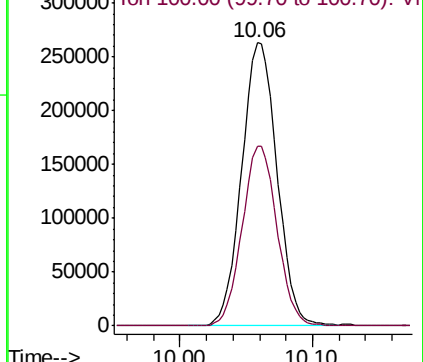
Ion Ratio Lower Upper

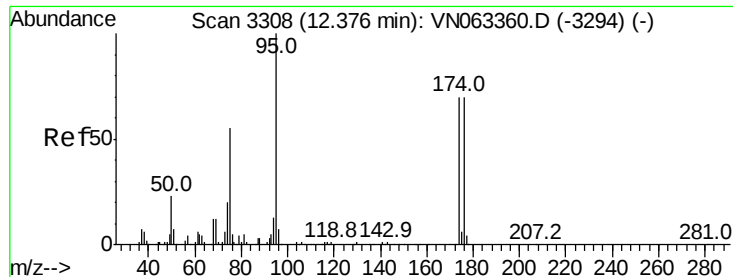
98 100

100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)

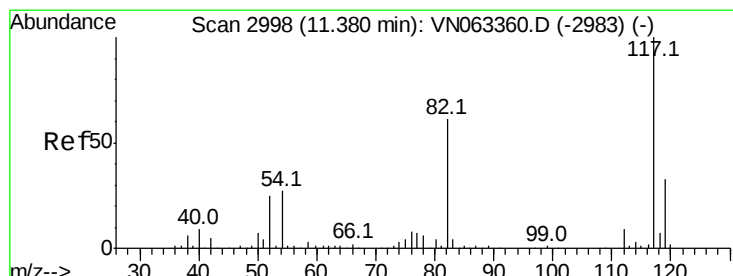
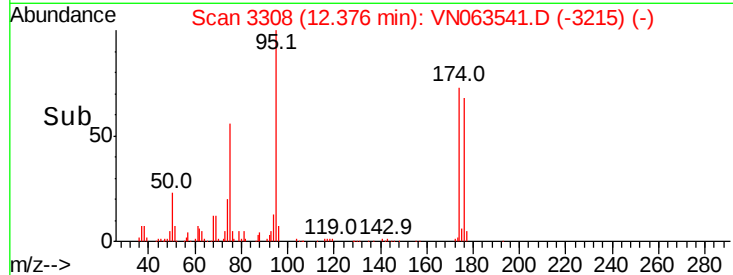
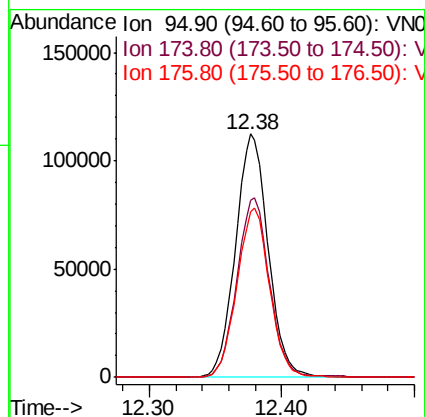
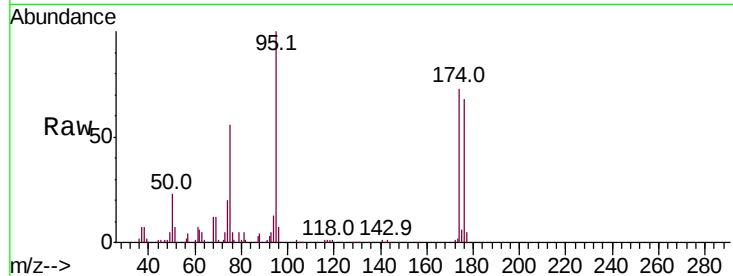




#62
4-Bromofluorobenzene
Concen: 53.499 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063541.D
Acq: 22 Sep 2020 18:31

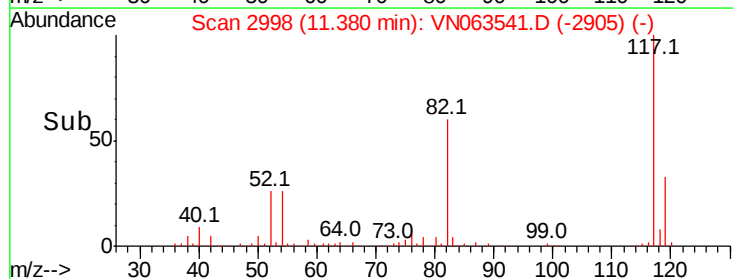
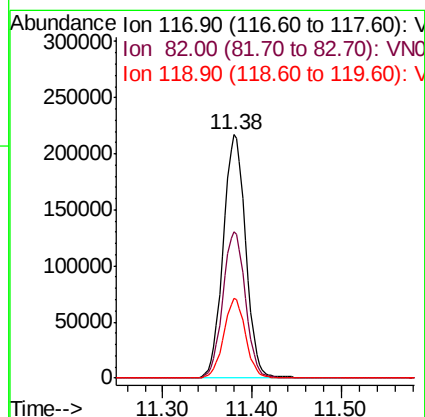
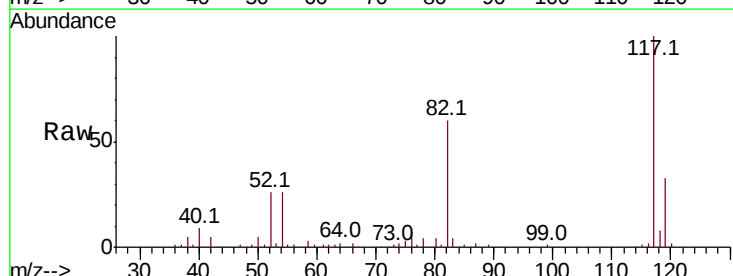
Instrument :
MSVOA_N
ClientSampleId :
RE139D1-20200915DL

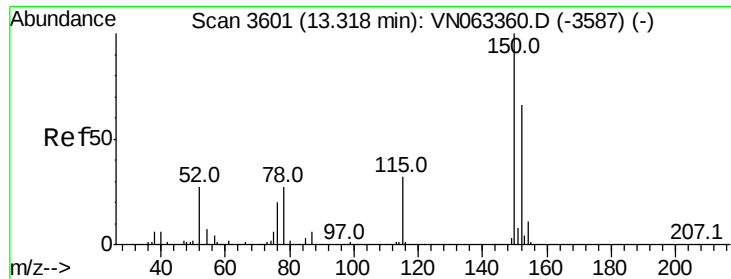
Tot Ion	95	Resp	192399
Ion Ratio	Lower	Upper	
95	100		
174	73.6	0.0	140.8
176	69.5	0.0	137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063541.D
Acq: 22 Sep 2020 18:31

Tgt Ion	117	Resp	379866
Ion Ratio	Lower	Upper	
117	100		
82	60.3	49.2	73.8
119	32.7	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063541.D

Acq: 22 Sep 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

RE139D1-20200915DL

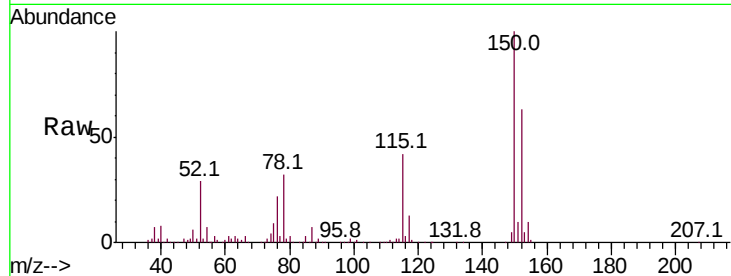
Tot Ion:152 Resp: 164488

Ion Ratio Lower Upper

152 100

115 65.2 32.2 96.6

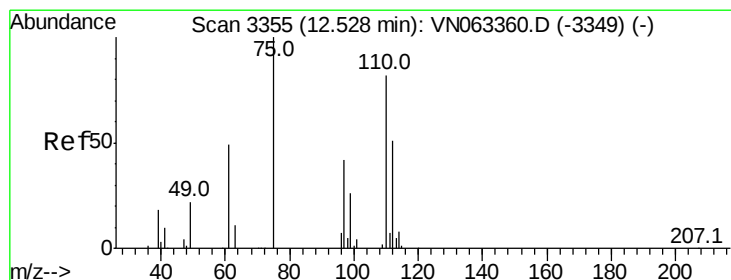
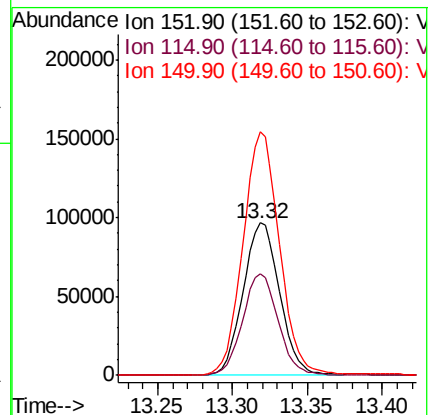
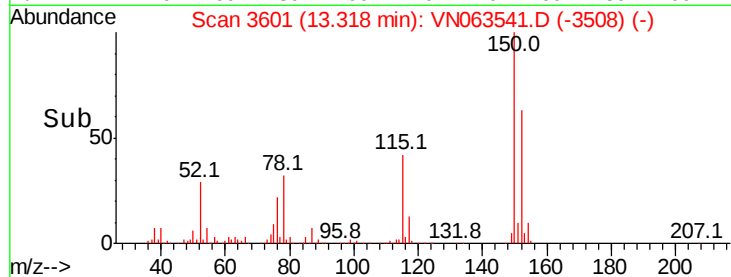
150 160.6 0.0 343.4



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: 26.813 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063541.D

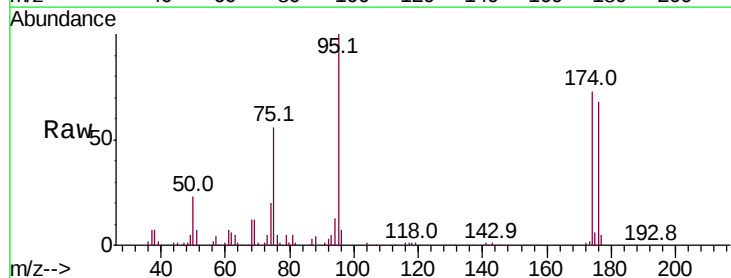
Acq: 22 Sep 2020 18:31

Tgt Ion: 75 Resp: 109163

Ion Ratio Lower Upper

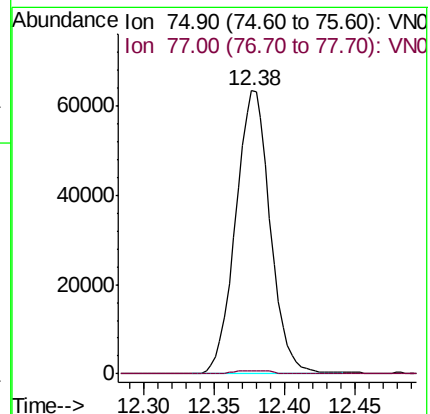
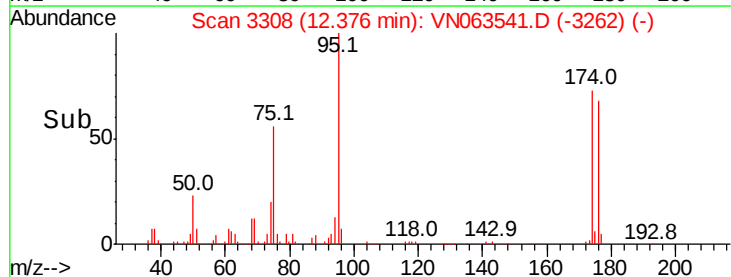
75 100

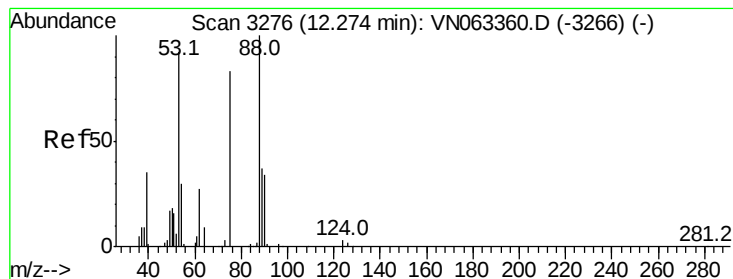
77 1.2 0.0 0.0#



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: 73.510 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063541.D

Acq: 22 Sep 2020 18:31

Instrument :

MSVOA_N

ClientSampleId :

RE139D1-20200915DL

Tot Ion: 75 Resp: 109163

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

