

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063542.D
 Acq On : 22 Sep 2020 18:55
 Operator : JC/MD
 Sample : L4082-05DL 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200915DL

Quant Time: Sep 23 04:02:43 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	211356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	393671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	396913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	180629	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	175125	48.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.36%	
35) Dibromofluoromethane	7.55	113	128921	47.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.62%	
50) Toluene-d8	10.06	98	507383	49.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.38	95	204020	54.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.62%	

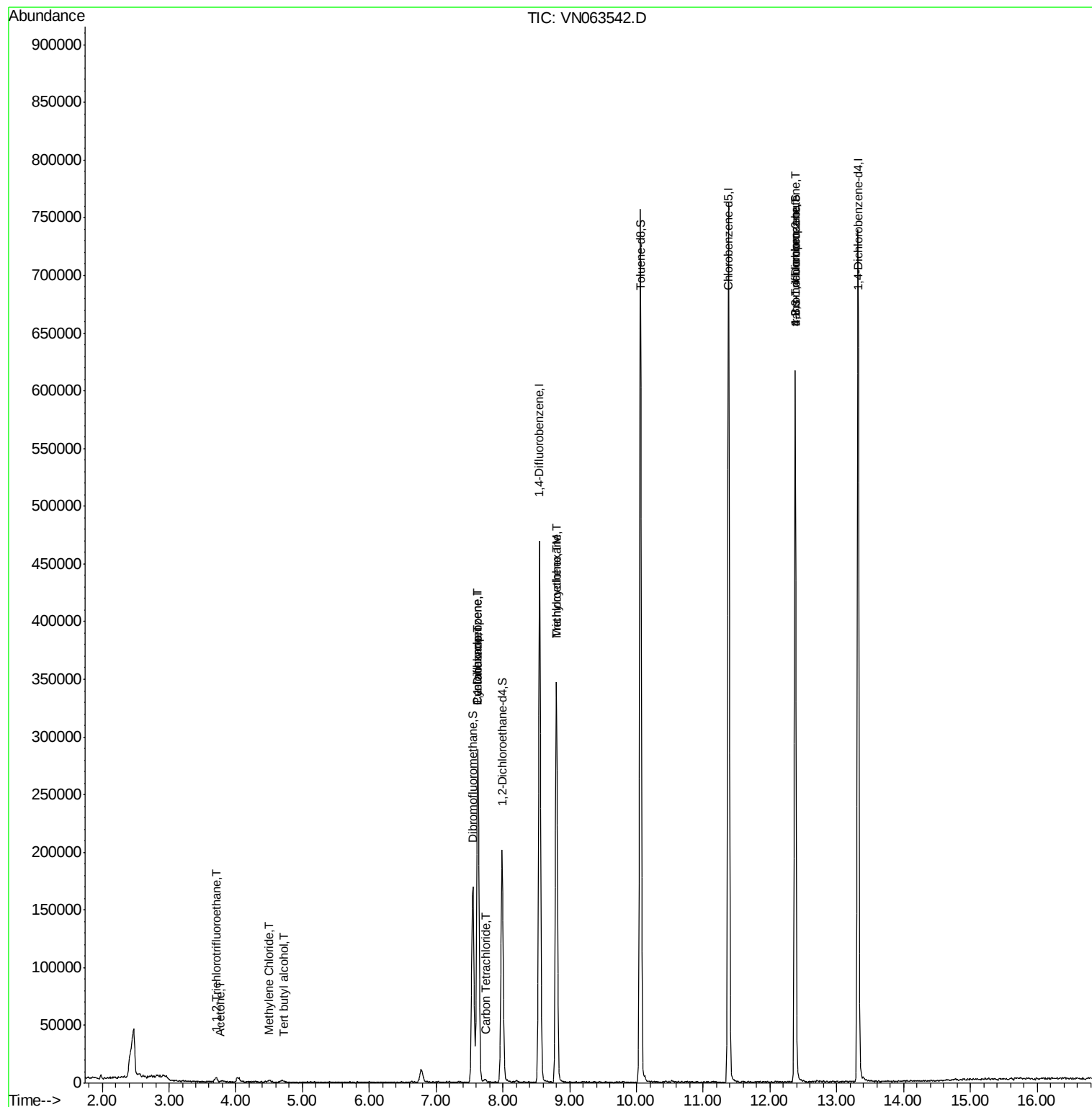
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1241	0.527	ug/l #	50
11) Tert butyl alcohol	4.72	59	118	0.237	ug/l #	72
16) Acetone	3.77	43	483	0.418	ug/l #	47
20) Methylene Chloride	4.51	84	1129	0.385	ug/l #	76
31) Cyclohexane	7.63	56	6148	1.237	ug/l #	26
36) 1,1-Dichloropropene	7.62	75	19620	4.678	ug/l #	51
38) Carbon Tetrachloride	7.74	117	1257	0.294	ug/l #	77
39) Methylcyclohexane	8.80	83	1711	0.376	ug/l #	1
44) Trichloroethene	8.80	130	115576	39.801	ug/l	97
76) 1,2,3-Trichloropropane	12.38	75	116755	26.115	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	116755	71.597	ug/l #	7

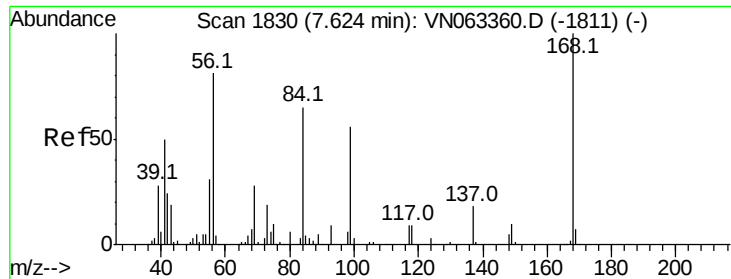
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063542.D

Acq: 22 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

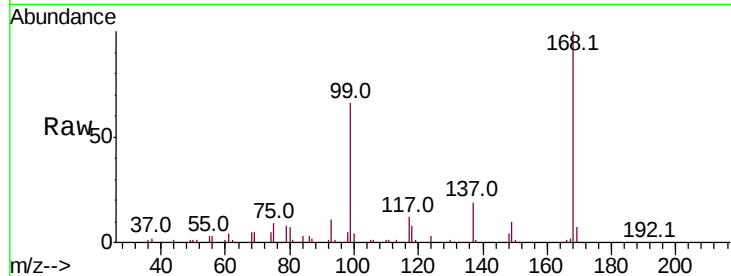
RE139D2-20200915DL

Tot Ion:168 Resp: 211356

Ion Ratio Lower Upper

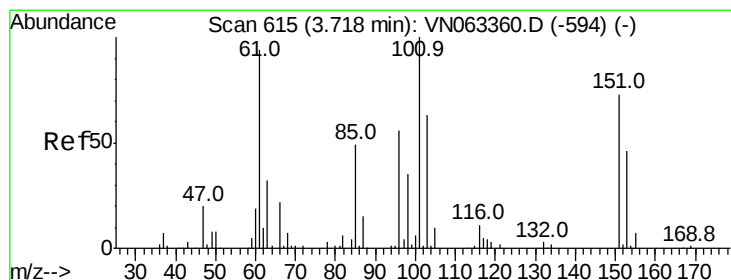
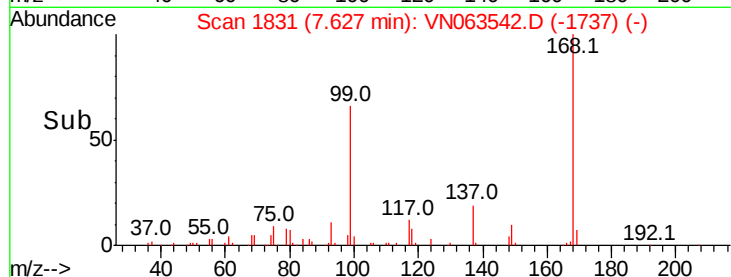
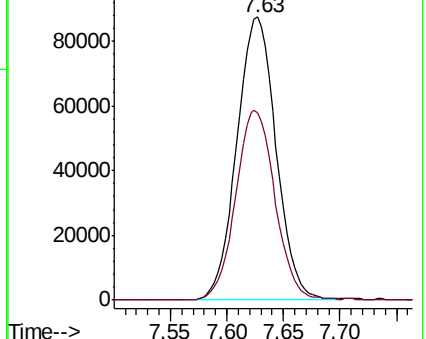
168 100

99 66.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.527 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063542.D

Acq: 22 Sep 2020 18:55

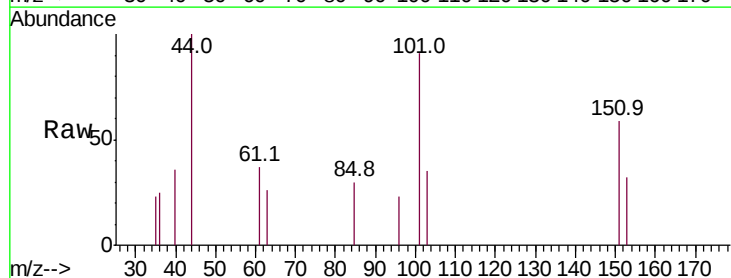
Tgt Ion:101 Resp: 1241

Ion Ratio Lower Upper

101 100

85 0.0 37.7 56.5#

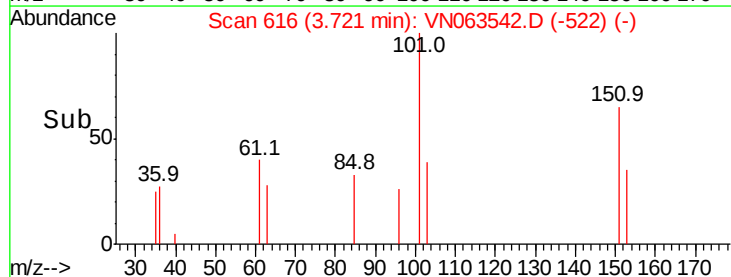
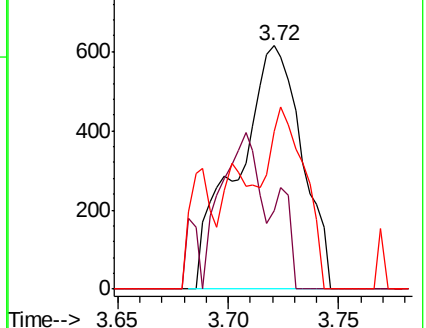
151 41.7 57.7 86.5#

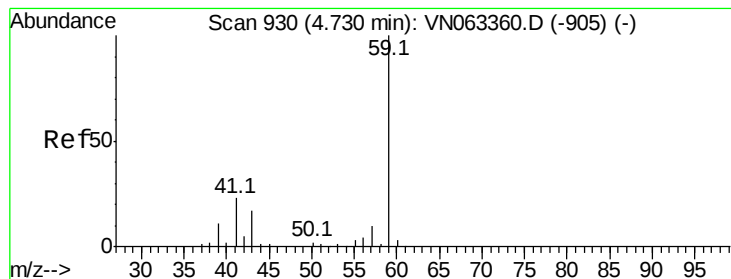


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



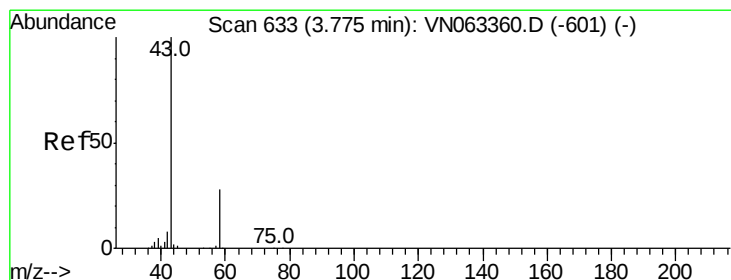
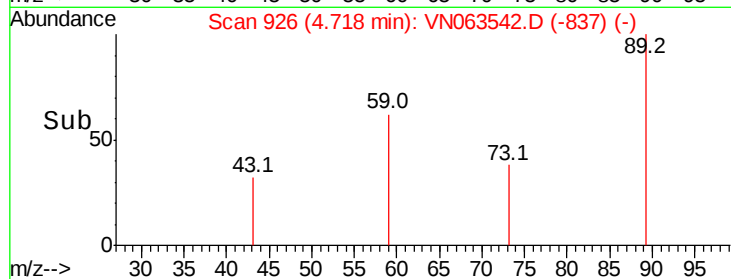
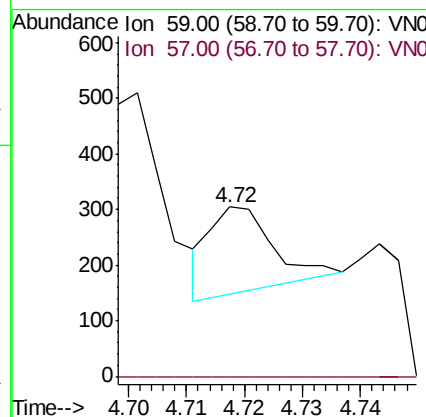
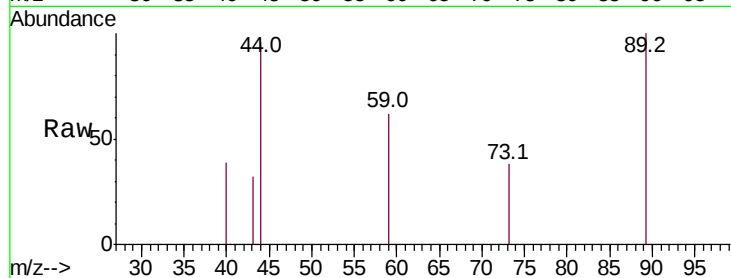


#11

Tert butyl alcohol
 Concen: 0.237 ug/l
 RT: 4.72 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: VN063542.D
 Acq: 22 Sep 2020 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200915DL

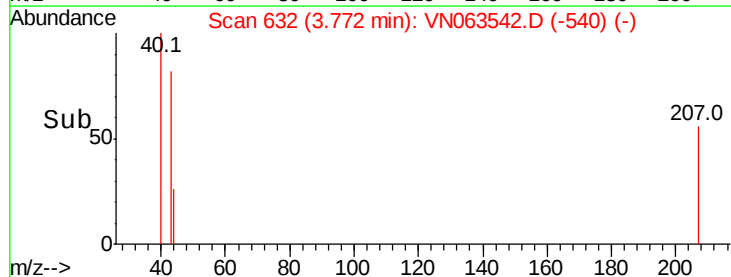
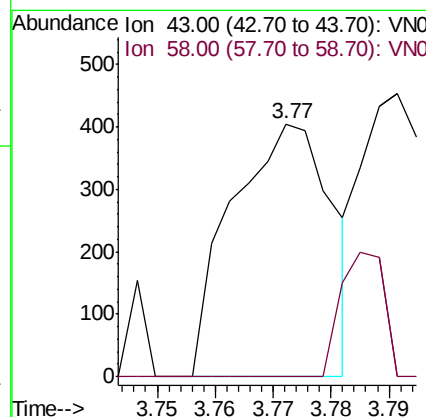
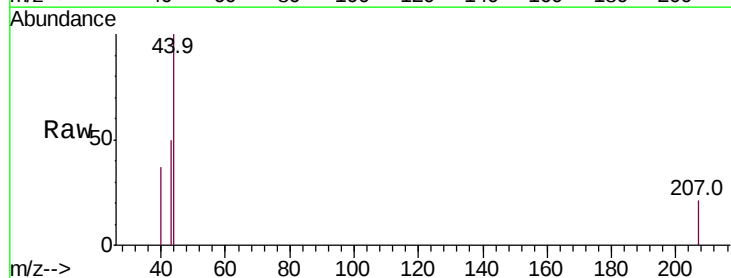
Tot Ion: 59 Resp: 118
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

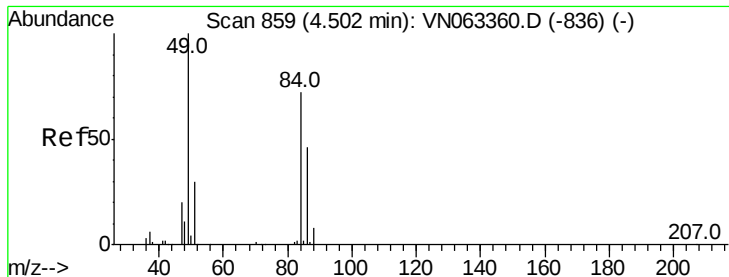


#16

Acetone
 Concen: 0.418 ug/l
 RT: 3.77 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: VN063542.D
 Acq: 22 Sep 2020 18:55

Tgt Ion: 43 Resp: 483
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.3 33.5#

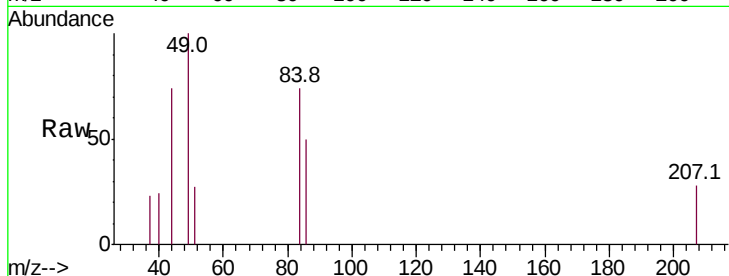




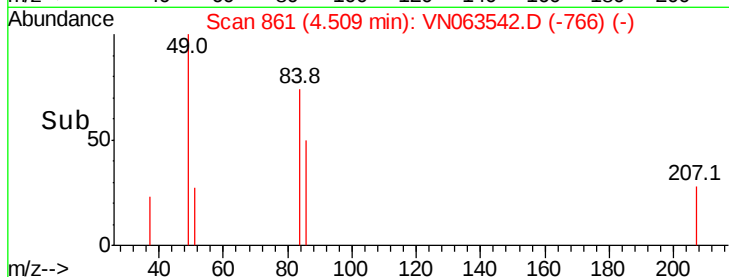
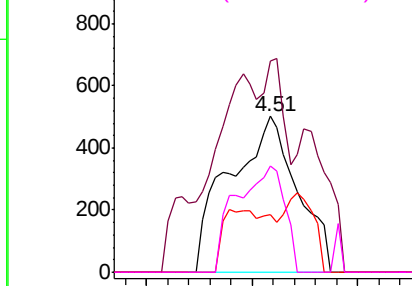
#20
Methylene Chloride
Concen: 0.385 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063542.D
Acq: 22 Sep 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200915DL

Tot Ion:	84	Resp:	1129
Ion	Ratio	Lower	Upper
84	100		
49	92.4	110.7	166.1#
51	37.3	32.9	49.3
86	67.9	51.1	76.7

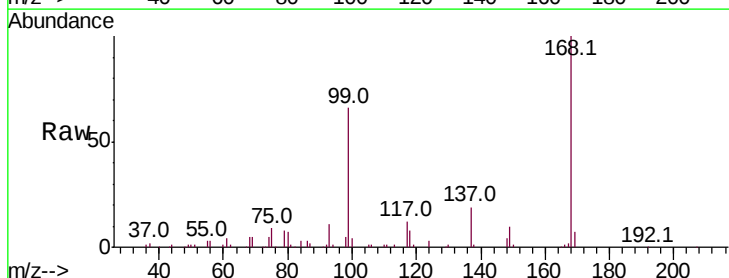
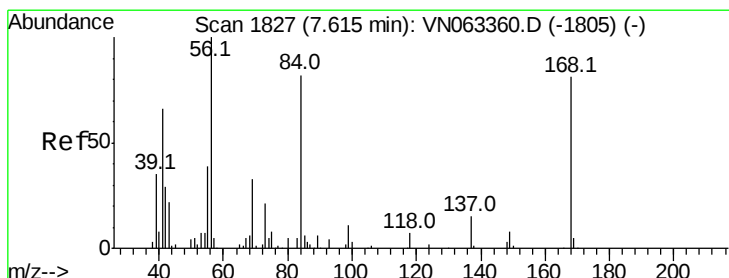


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

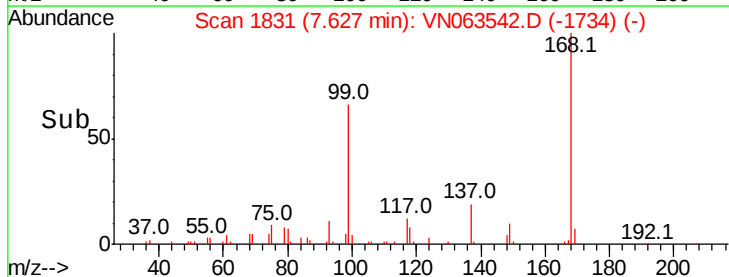
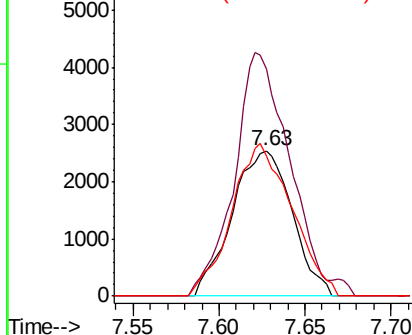


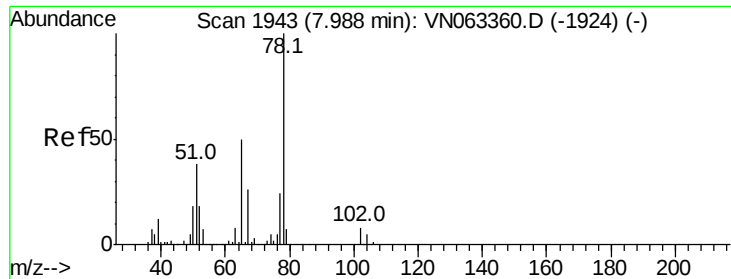
#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063542.D
Acq: 22 Sep 2020 18:55

Tgt Ion:	56	Resp:	6148
Ion	Ratio	Lower	Upper
56	100		
69	156.3	26.1	39.1#
84	96.3	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: 48.675 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

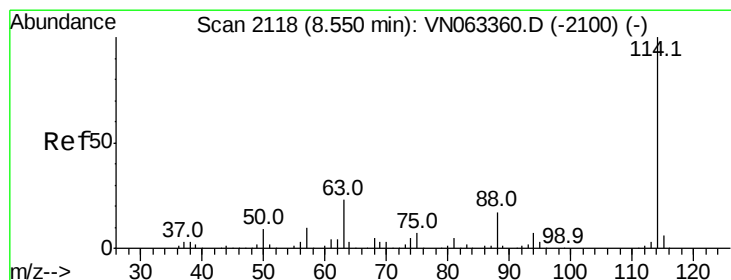
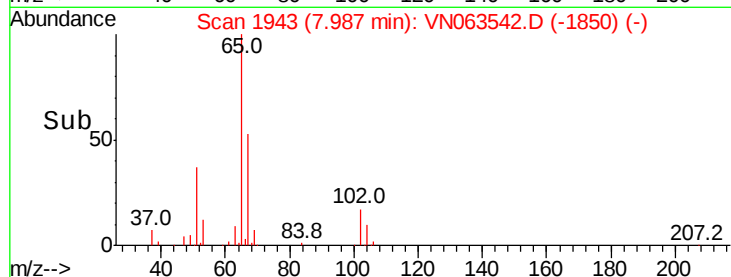
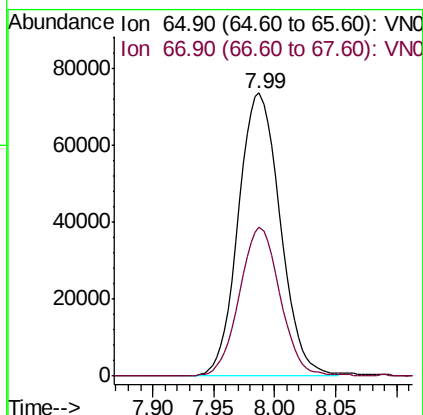
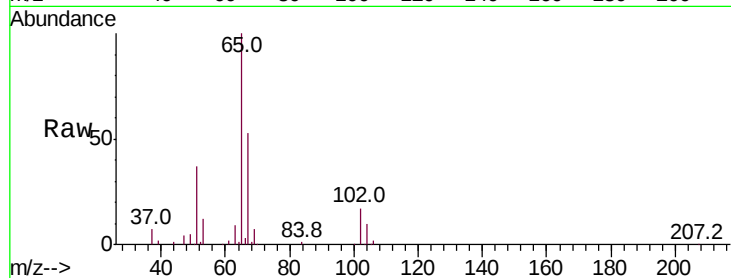
Lab File: VN063542.D

Acq: 22 Sep 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200915DL

Tot Ion: 65 Resp: 175125

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

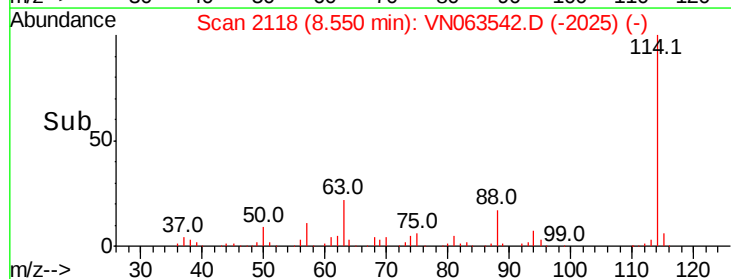
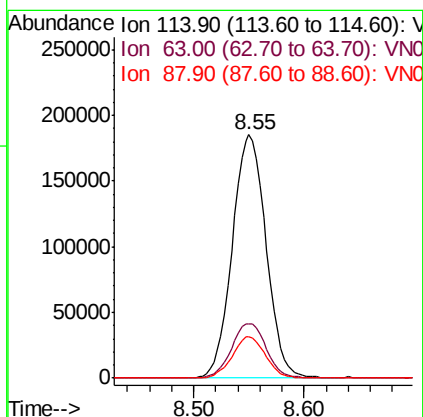
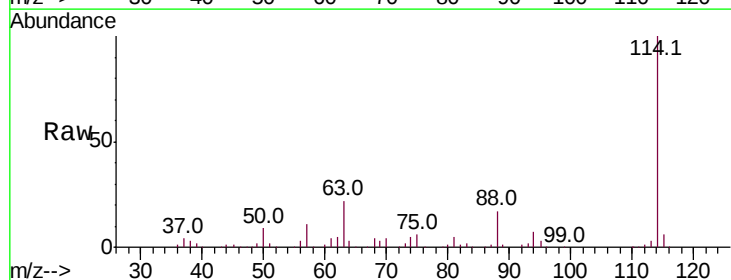
Delta R.T. -0.00 min

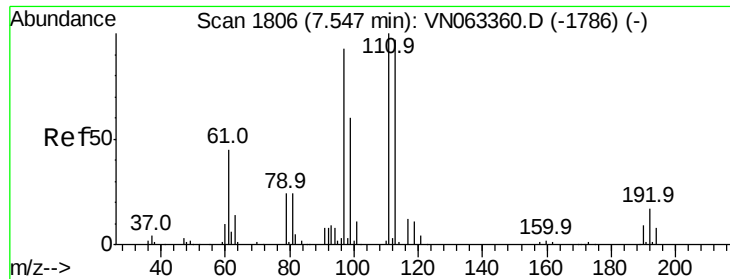
Lab File: VN063542.D

Acq: 22 Sep 2020 18:55

Tgt Ion: 114 Resp: 393671

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	46.4
88	17.1	0.0	33.2

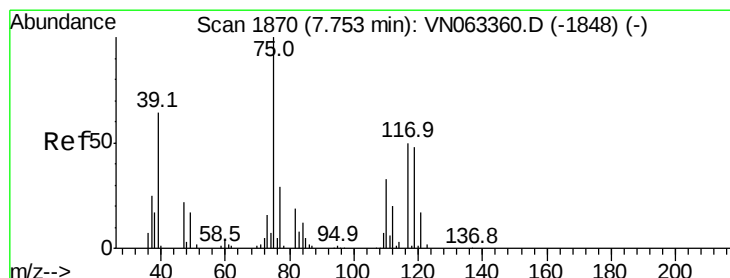
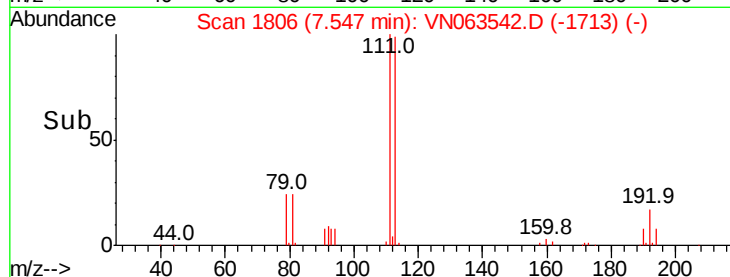
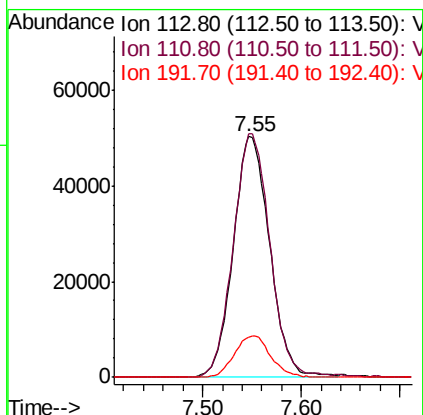
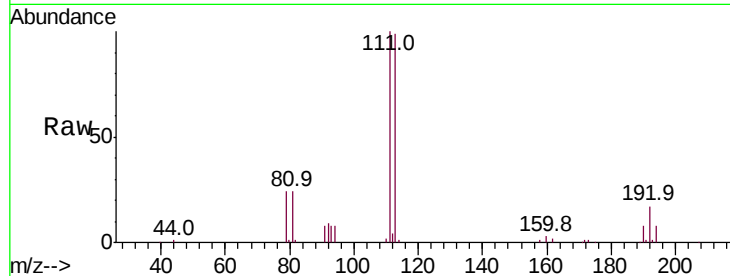




#35
Dibromofluoromethane
Concen: 47.305 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063542.D
Acq: 22 Sep 2020 18:55

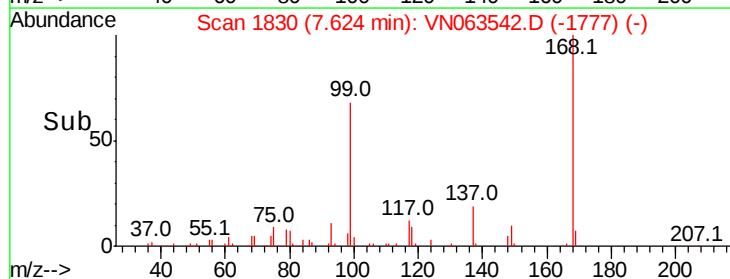
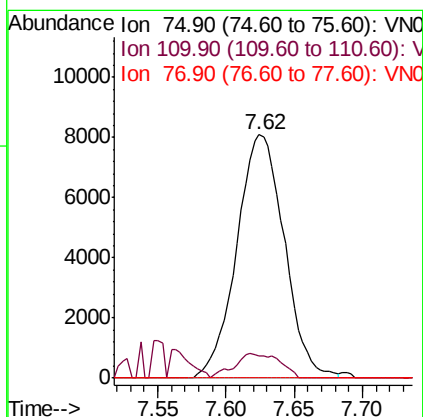
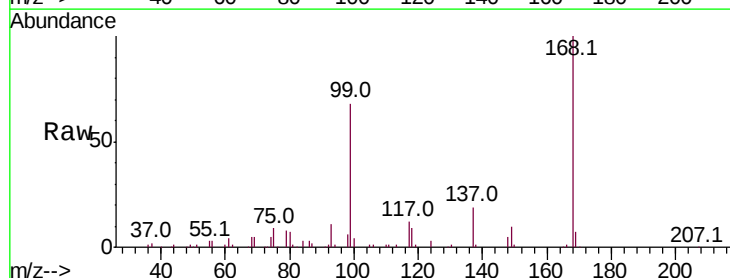
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200915DL

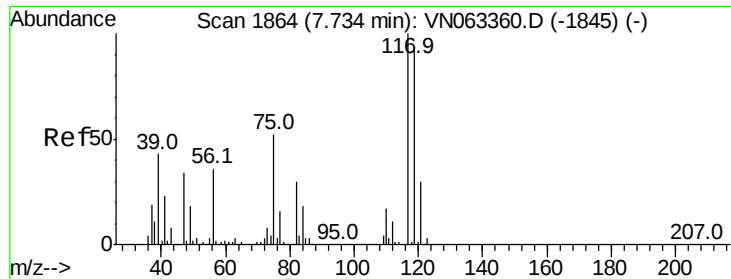
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.9	124.3
192	17.1	13.9	20.9



#36
1,1-Dichloropropene
Concen: 4.678 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN063542.D
Acq: 22 Sep 2020 18:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.5	49.5#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 0.294 ug/l

RT: 7.74 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN063542.D

Acq: 22 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200915DL

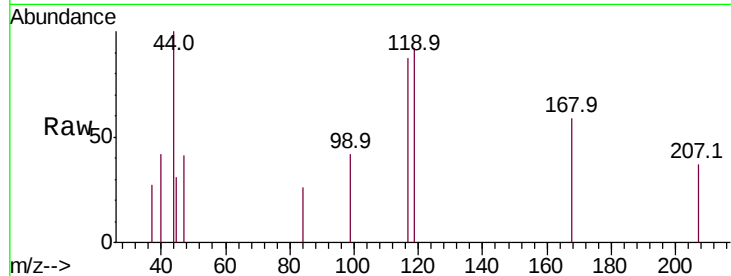
Tot Ion:117 Resp: 1257

Ion Ratio Lower Upper

117 100

119 105.3 74.5 111.7

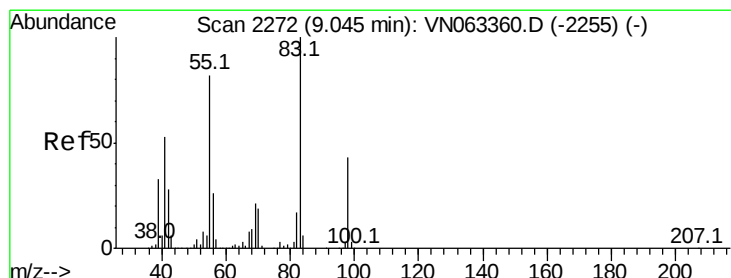
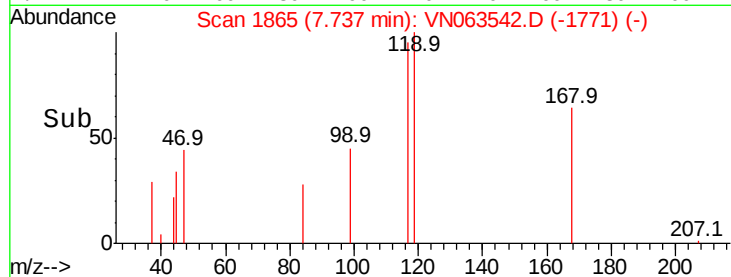
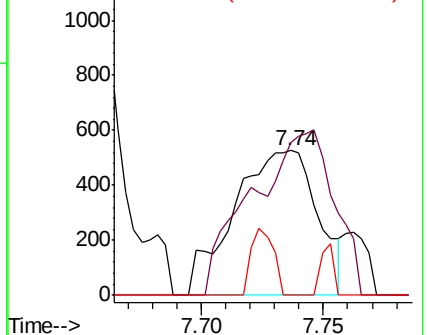
121 0.0 24.1 36.1#



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: 0.376 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.24 min

Lab File: VN063542.D

Acq: 22 Sep 2020 18:55

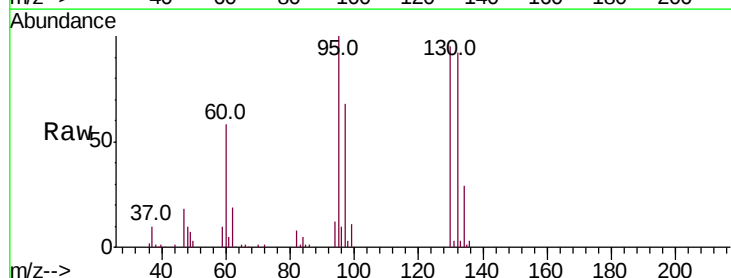
Tgt Ion: 83 Resp: 1711

Ion Ratio Lower Upper

83 100

55 0.0 65.5 98.3#

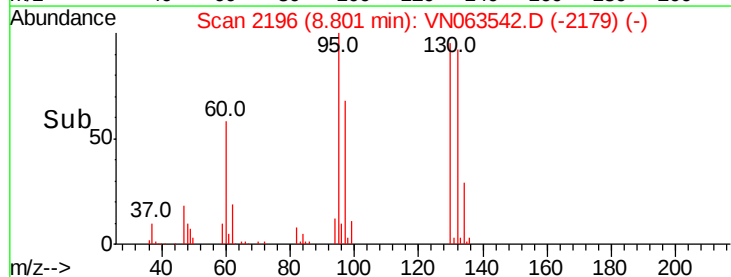
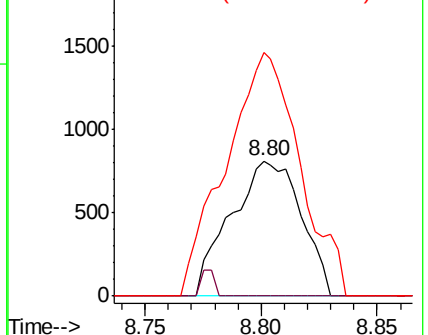
98 156.8 34.2 51.4#

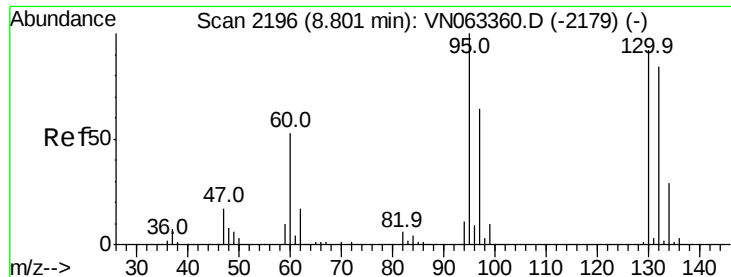


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#44

Trichloroethene

Concen: 39.801 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063542.D

Acq: 22 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

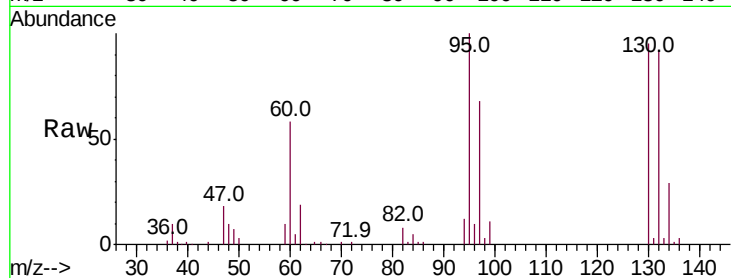
RE139D2-20200915DL

Tot Ion:130 Resp: 115576

Ion Ratio Lower Upper

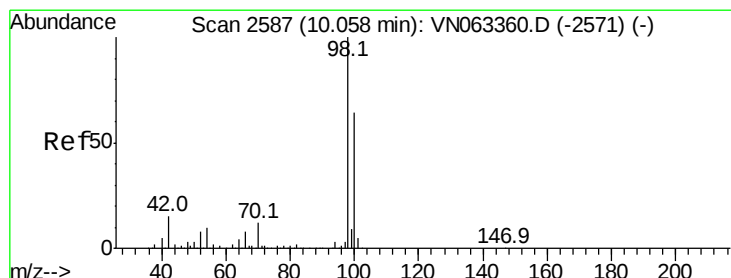
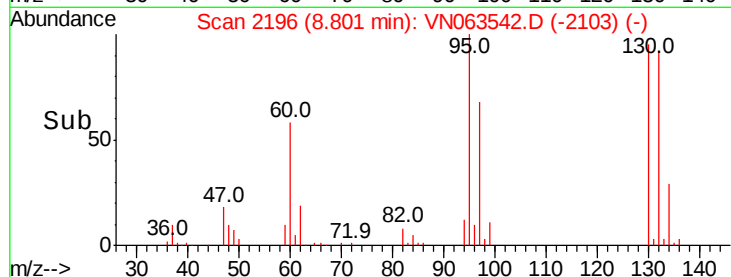
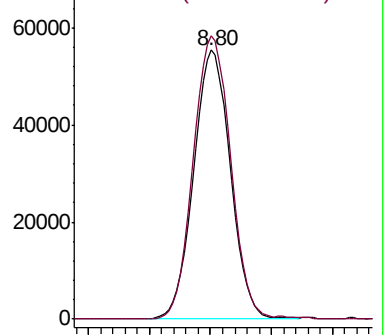
130 100

95 105.1 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 49.512 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063542.D

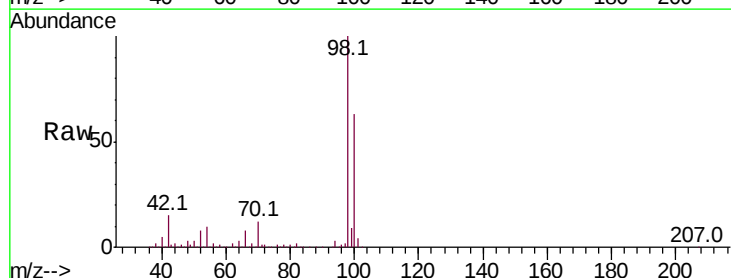
Acq: 22 Sep 2020 18:55

Tgt Ion: 98 Resp: 507383

Ion Ratio Lower Upper

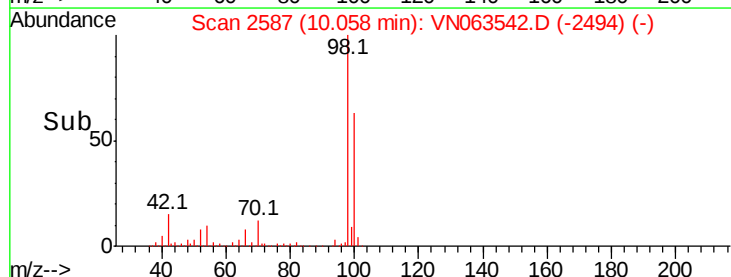
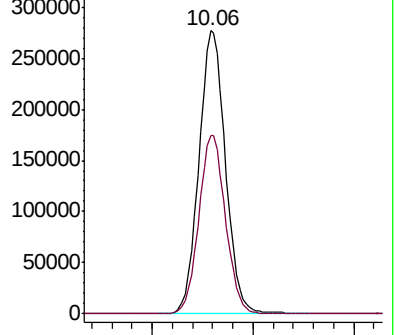
98 100

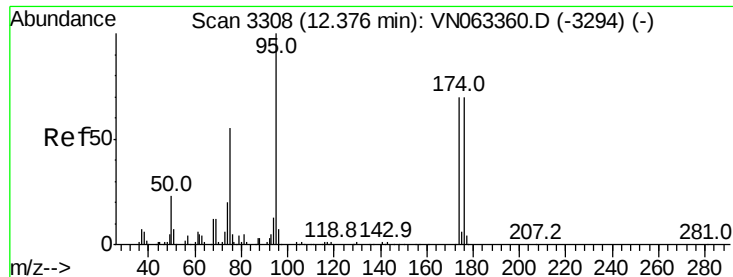
100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

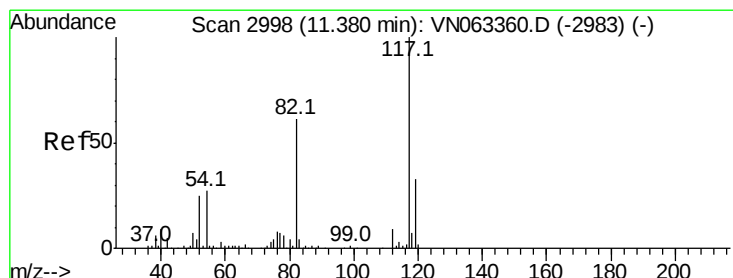
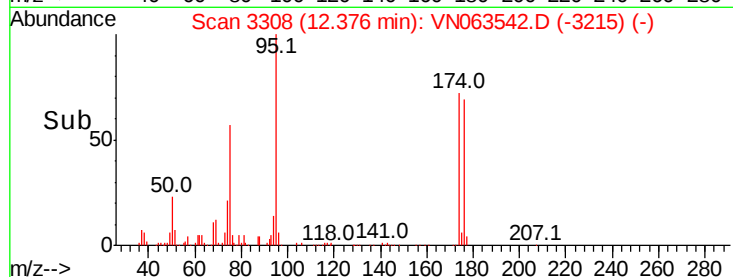
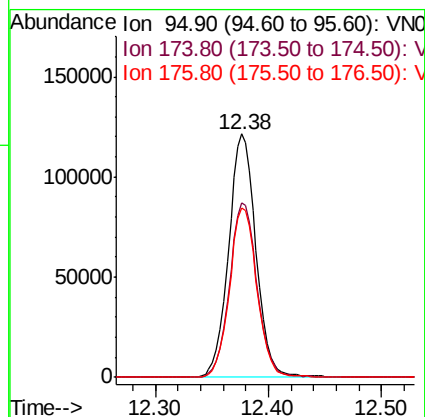
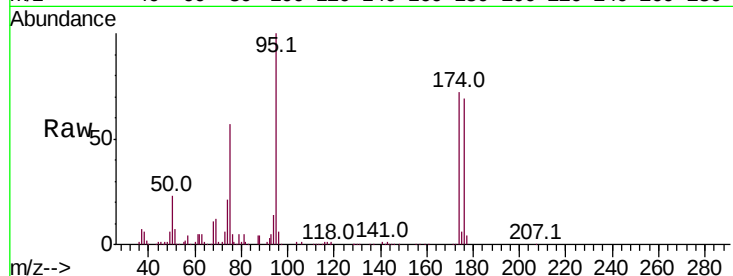




#62
4-Bromofluorobenzene
Concen: 54.310 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063542.D
Acq: 22 Sep 2020 18:55

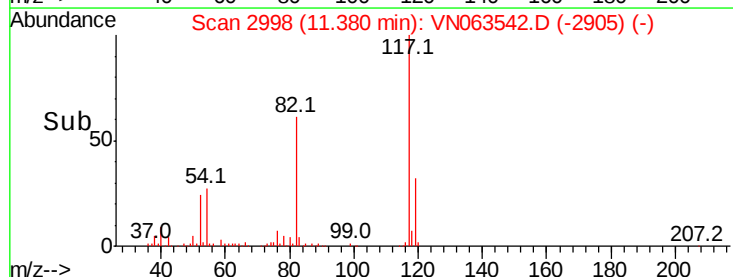
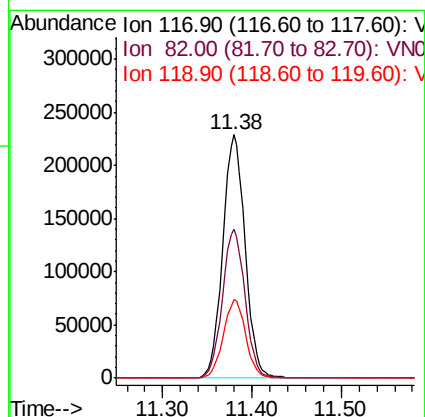
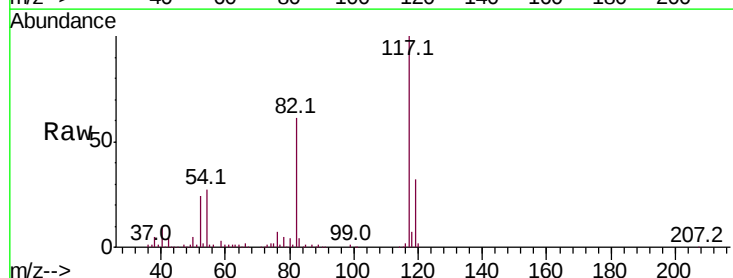
Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200915DL

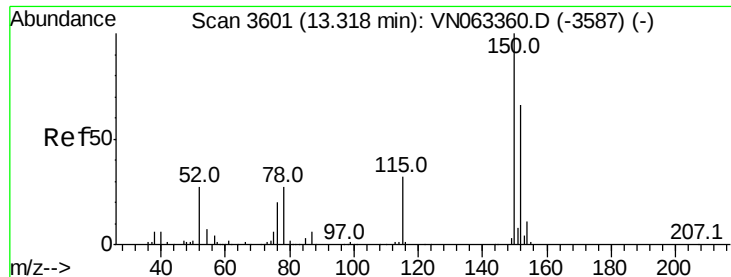
Tot Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	140.8
176	69.4	0.0	137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063542.D
Acq: 22 Sep 2020 18:55

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.0	49.2	73.8
119	32.0	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: VN063542.D

Acq: 22 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200915DL

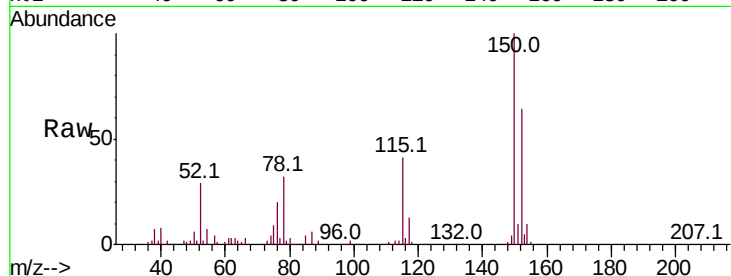
Tot Ion:152 Resp: 180629

Ion Ratio Lower Upper

152 100

115 62.8 32.2 96.6

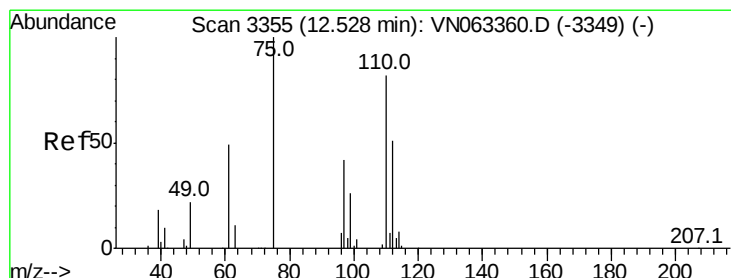
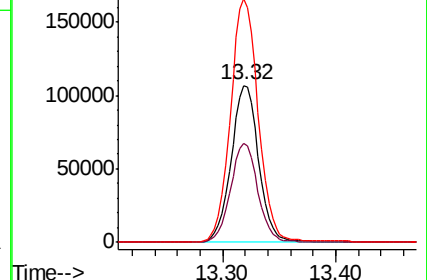
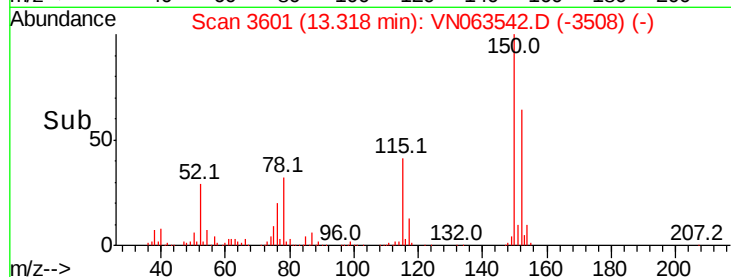
150 156.3 0.0 343.4



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: 26.115 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063542.D

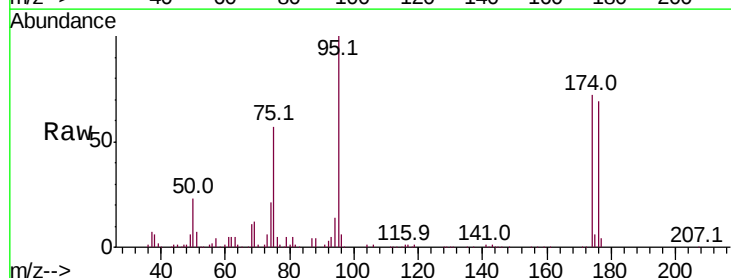
Acq: 22 Sep 2020 18:55

Tgt Ion: 75 Resp: 116755

Ion Ratio Lower Upper

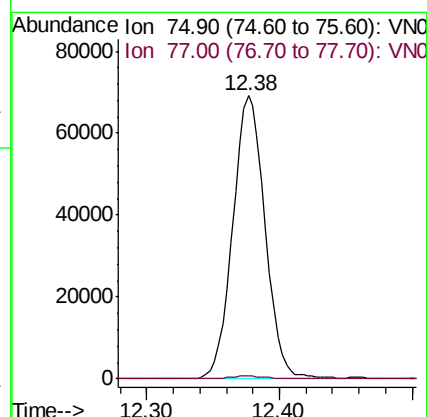
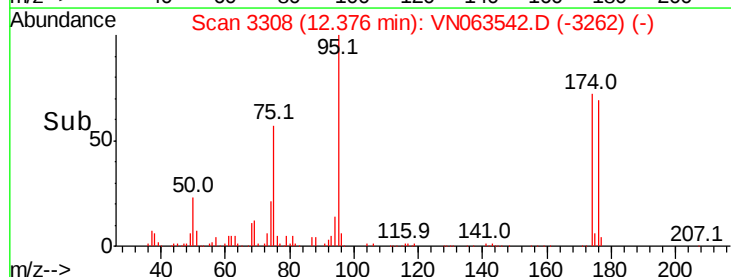
75 100

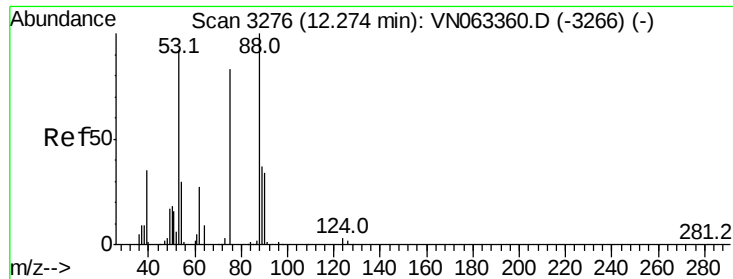
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.597 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063542.D

Acq: 22 Sep 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200915DL

Tot Ion: 75 Resp: 116755

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

