

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061845.D
 Acq On : 17 Jun 2020 13:52
 Operator : JC/MD
 Sample : L2989-05DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D3-20200609DL

Quant Time: Jun 18 03:53:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	149471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	271502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	257126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	101999	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	95912	47.85	ug/l	0.00
Spiked Amount						
			Recovery	=	95.70%	
35) Dibromofluoromethane	7.55	113	85041	48.96	ug/l	0.00
Spiked Amount						
			Recovery	=	97.92%	
50) Toluene-d8	10.06	98	332622	48.71	ug/l	0.00
Spiked Amount						
			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.38	95	110350	47.11	ug/l	0.00
Spiked Amount						
			Recovery	=	94.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	17278	11.400	ug/l	99
16) Acetone	3.78	43	594	1.003	ug/l	94
27) cis-1,2-Dichloroethene	6.78	96	627	0.312	ug/l	73
31) Cyclohexane	7.62	56	3094	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11581	4.677	ug/l #	47
38) Carbon Tetrachloride	7.62	117	14677	5.985	ug/l #	16
39) Methylcyclohexane	8.81	83	670	0.251	ug/l #	1
44) Trichloroethene	8.80	130	67234	34.056	ug/l	97
51) 4-Methyl-2-Pentanone	10.06	43	1377	0.715	ug/l #	1
60) Dibromochloromethane	10.60	129	1918	0.927	ug/l #	11
64) Tetrachloroethene	10.60	164	1911	1.166	ug/l	85
71) Bromoform	12.37	173	372	0.270	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	56114	28.022	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56114	76.428	ug/l #	14
95) Naphthalene	15.11	128	414	3.559	ug/l #	69

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

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ALS Vial : 8 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061845.D

Acq: 17 Jun 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

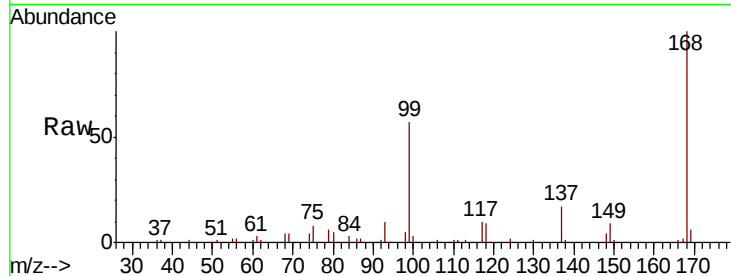
RE125D3-20200609DL

Tot Ion:168 Resp: 149471

Ion Ratio Lower Upper

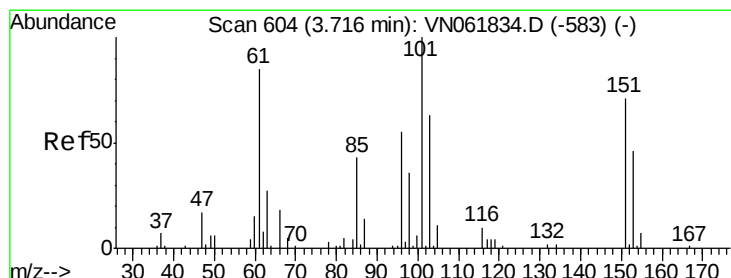
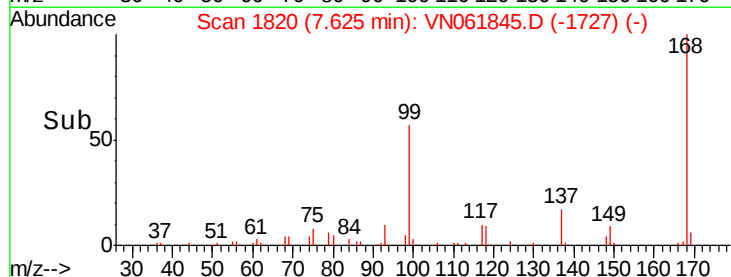
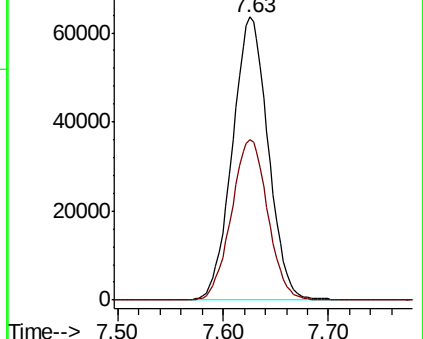
168 100

99 56.9 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.400 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061845.D

Acq: 17 Jun 2020 13:52

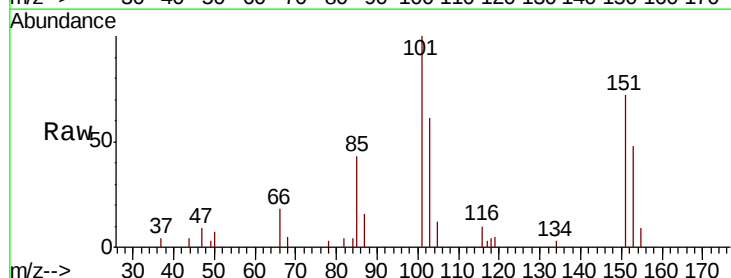
Tgt Ion:101 Resp: 17278

Ion Ratio Lower Upper

101 100

85 43.3 35.0 52.6

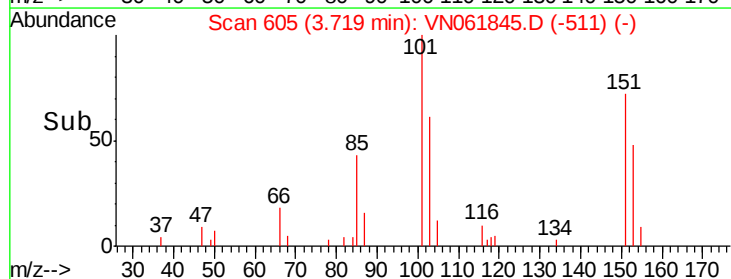
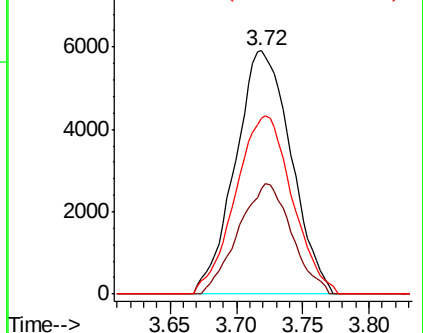
151 74.5 59.2 88.8

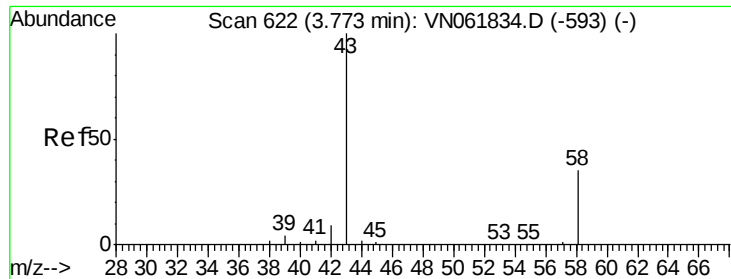


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V





#16

Acetone

Concen: 1.003 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061845.D

Acq: 17 Jun 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

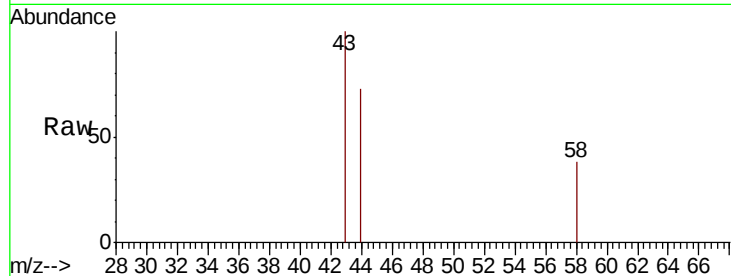
RE125D3-20200609DL

Tot Ion: 43 Resp: 594

Ion Ratio Lower Upper

43 100

58 38.1 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-593) (-)

3.78

400

300

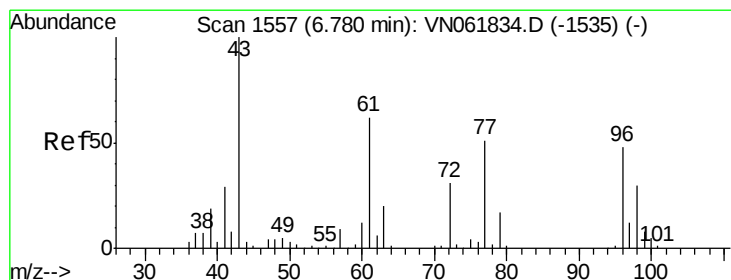
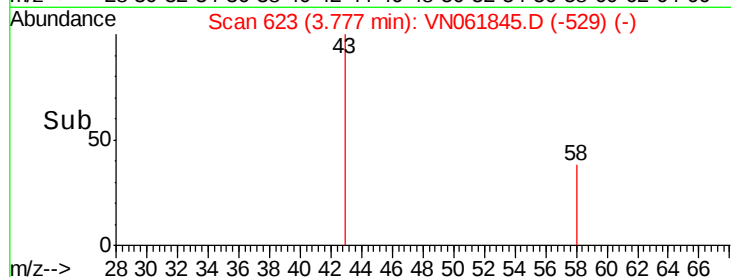
200

100

0

3.74 3.76 3.78

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.312 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN061845.D

Acq: 17 Jun 2020 13:52

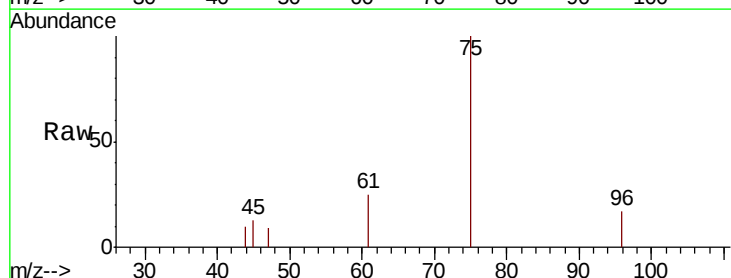
Tgt Ion: 96 Resp: 627

Ion Ratio Lower Upper

96 100

61 139.9 0.0 265.6

98 9.4 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-1535) (-)

Ion 60.90 (60.60 to 61.60): VN061834.D (-1535) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-1535) (-)

600

500

400

300

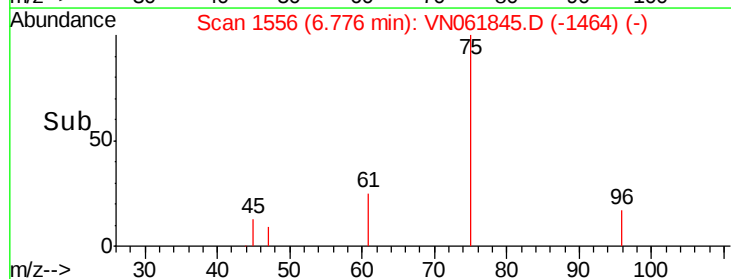
200

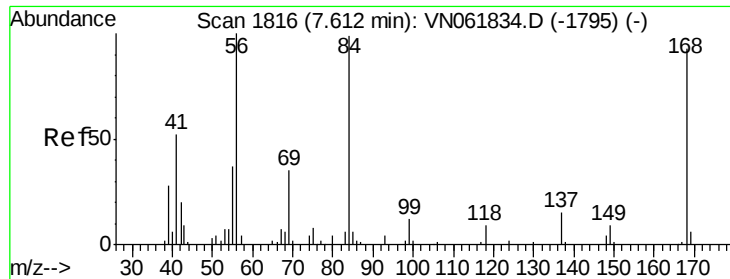
100

0

6.75 6.78

Time-->

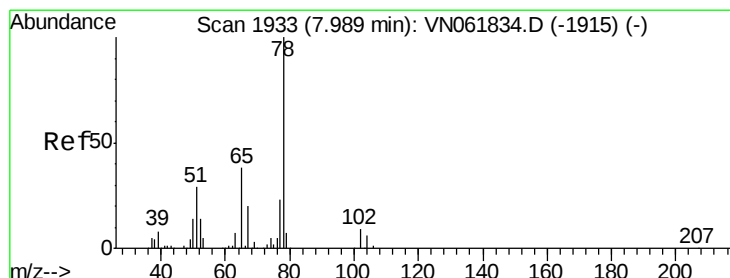
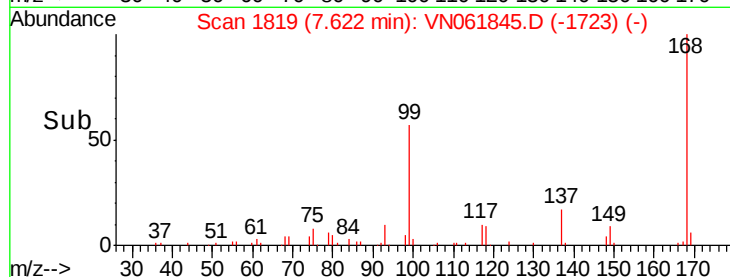
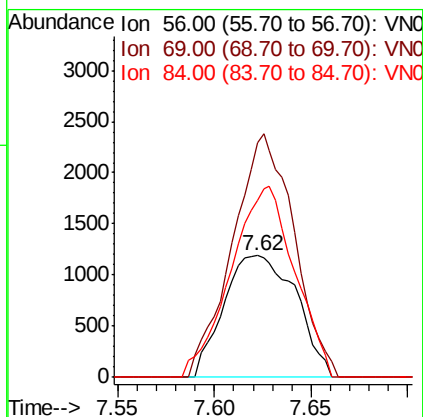
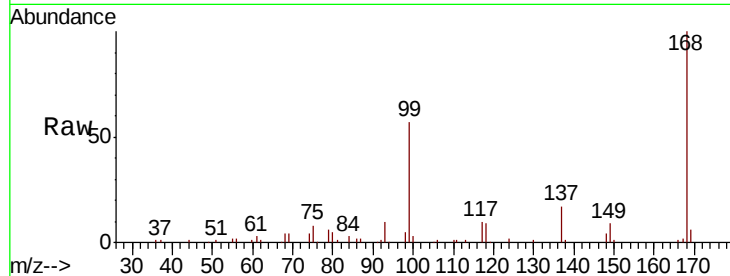




#31
Cyclohexane
Concen: 1.171 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061845.D
Acq: 17 Jun 2020 13:52

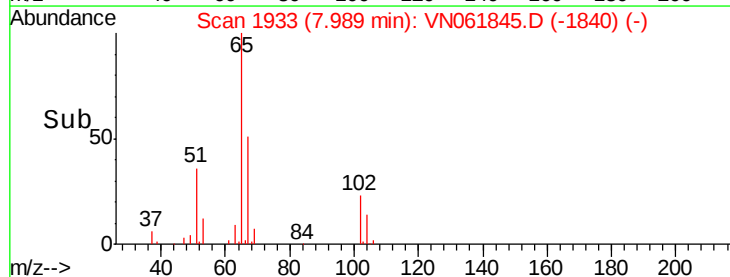
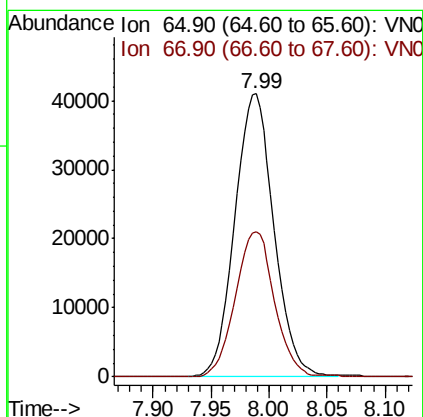
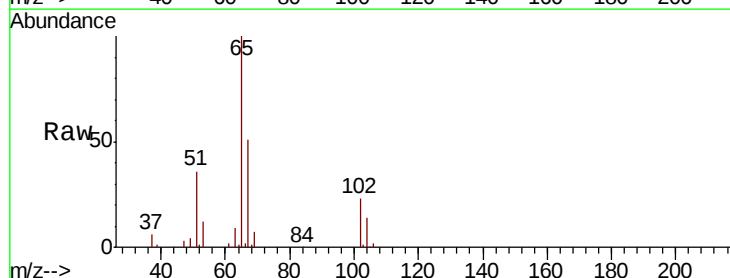
Instrument :
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RE125D3-20200609DL

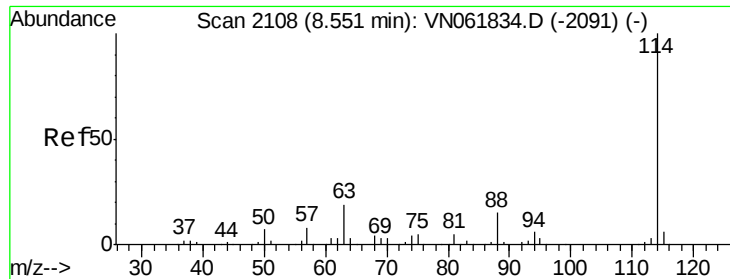
Tot Ion: 56 Resp: 3094
Ion Ratio Lower Upper
56 100
69 192.9 27.7 41.5#
84 145.9 79.1 118.7#



#33
1,2-Dichloroethane-d4
Concen: 47.845 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN061845.D
Acq: 17 Jun 2020 13:52

Tgt Ion: 65 Resp: 95912
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.2

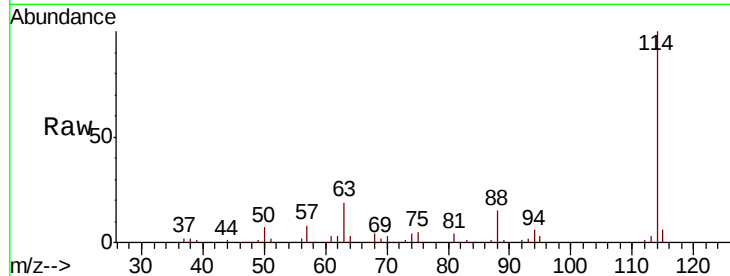




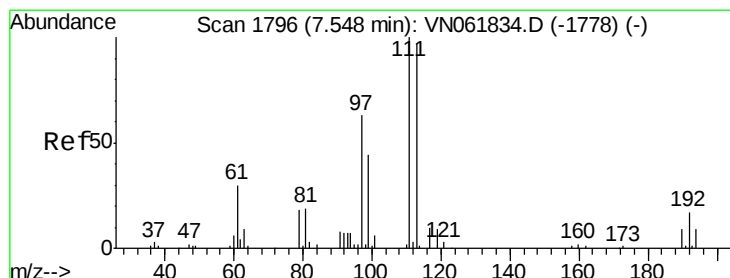
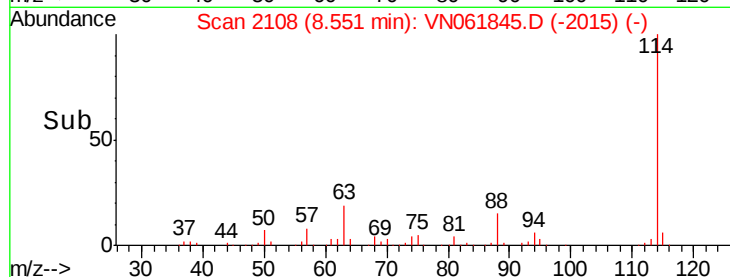
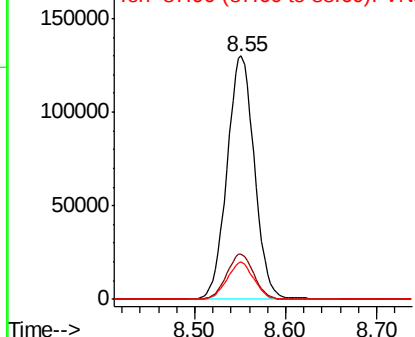
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061845.D
 Acq: 17 Jun 2020 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D3-20200609DL

Tot Ion:114 Resp: 271502
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.6
 88 15.2 0.0 31.0

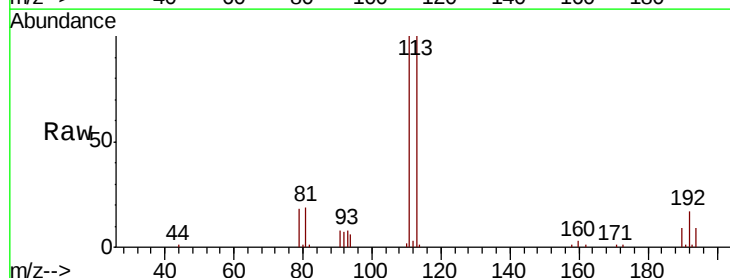


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

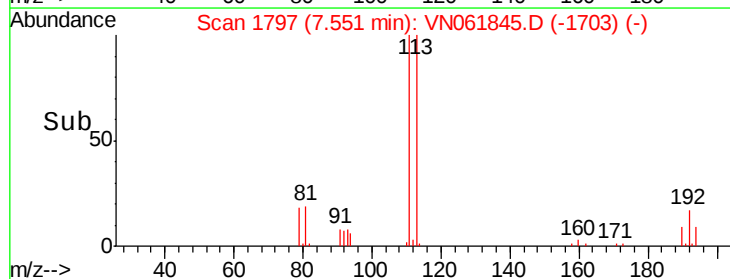
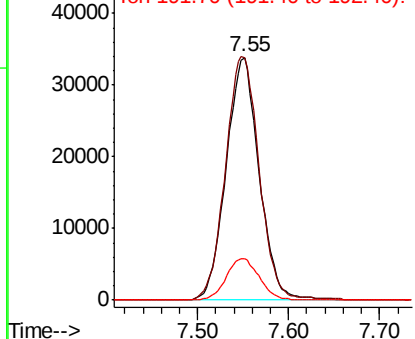


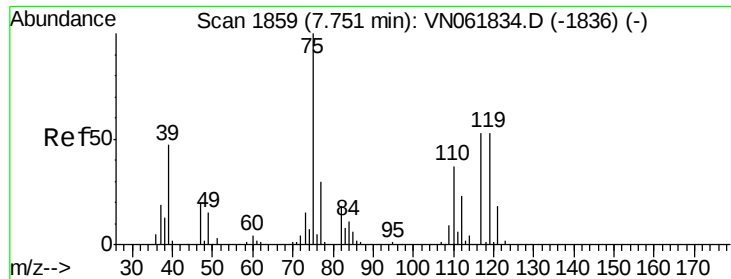
#35
 Dibromofluoromethane
 Concen: 48.961 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061845.D
 Acq: 17 Jun 2020 13:52

Tgt Ion:113 Resp: 85041
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.7 125.5
 192 17.2 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

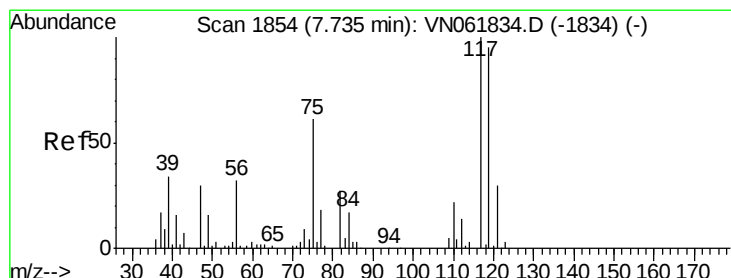
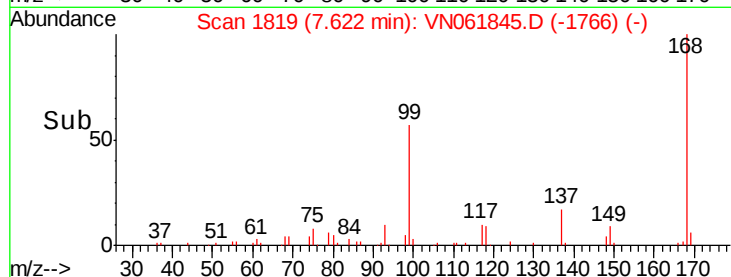
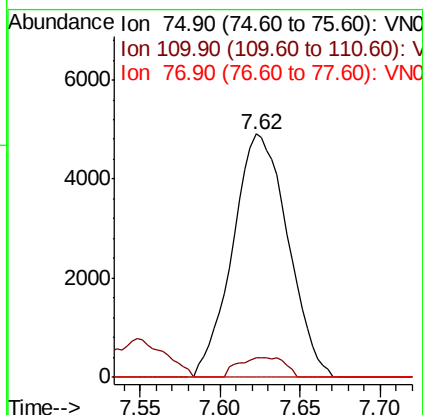
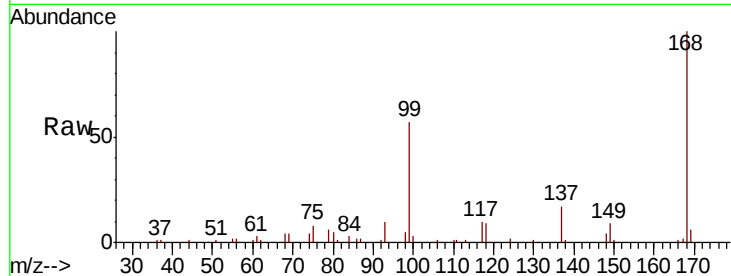




#36
 1,1-Dichloropropene
 Concen: 4.677 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061845.D
 Acq: 17 Jun 2020 13:52

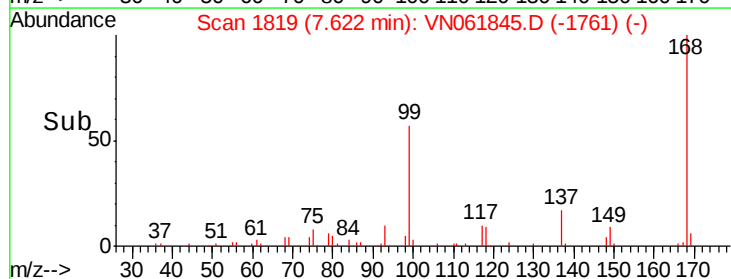
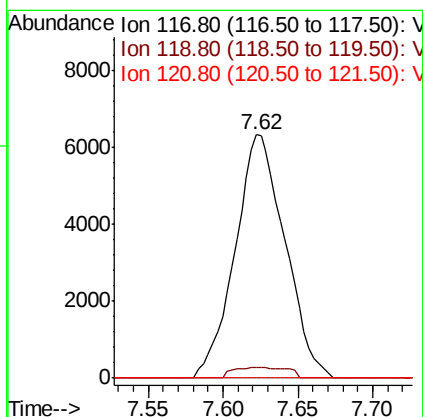
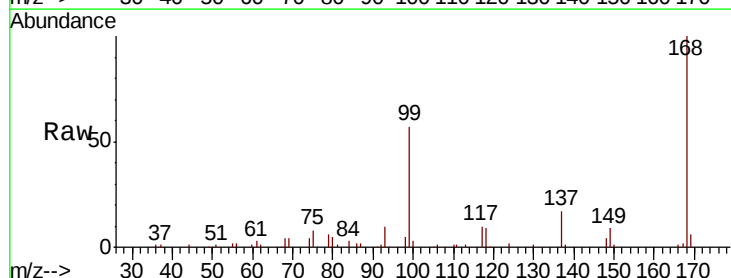
Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D3-20200609DL

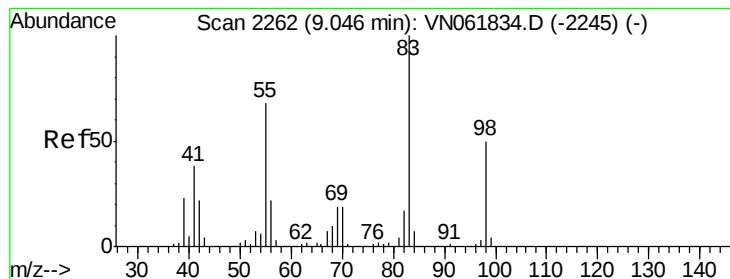
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.9	18.2	54.6#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.985 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN061845.D
 Acq: 17 Jun 2020 13:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	75.8	113.6#
121	0.0	23.8	35.6#





#39

Methylcyclohexane

Concen: 0.251 ug/l

RT: 8.81 min Scan# 2187

Delta R.T. -0.24 min

Lab File: VN061845.D

Acq: 17 Jun 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

RE125D3-20200609DL

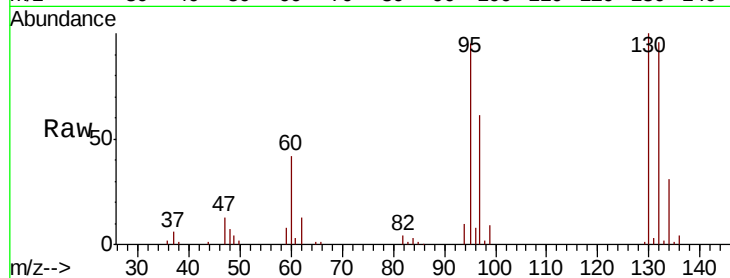
Tot Ion: 83 Resp: 670

Ion Ratio Lower Upper

83 100

55 0.0 54.2 81.4#

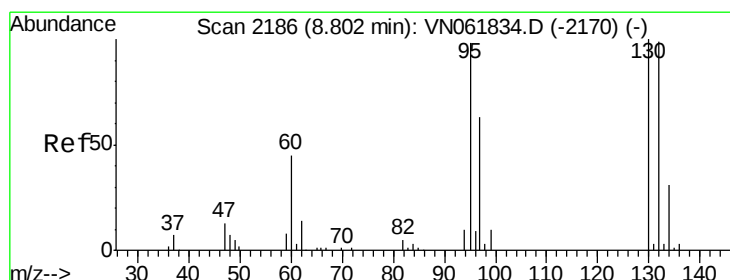
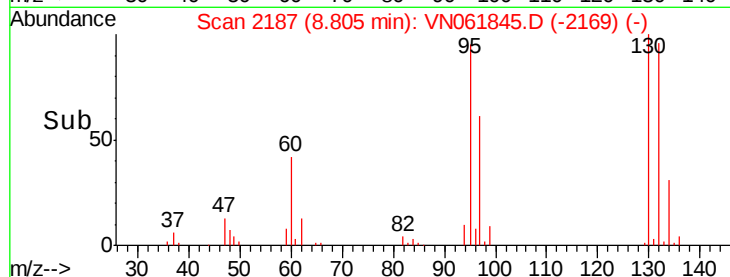
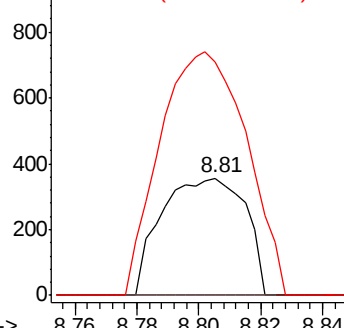
98 199.7 39.8 59.6#



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#44

Trichloroethene

Concen: 34.056 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061845.D

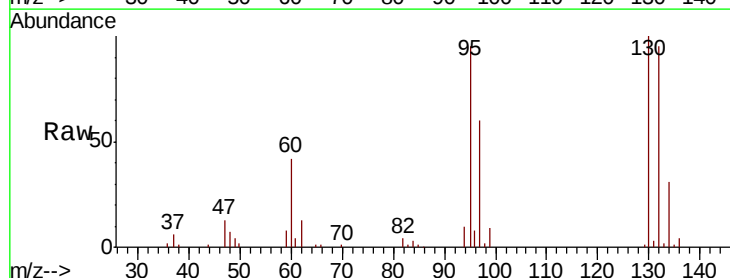
Acq: 17 Jun 2020 13:52

Tgt Ion:130 Resp: 67234

Ion Ratio Lower Upper

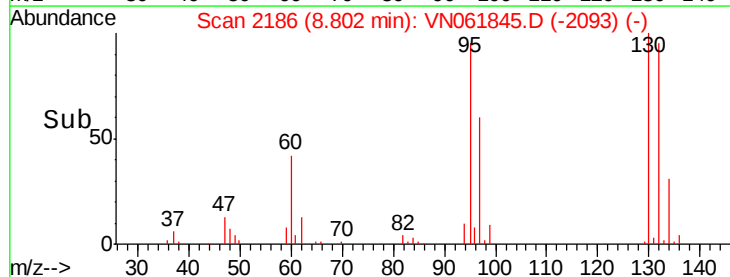
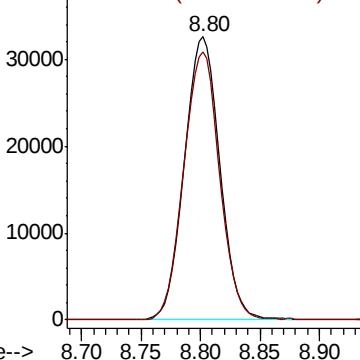
130 100

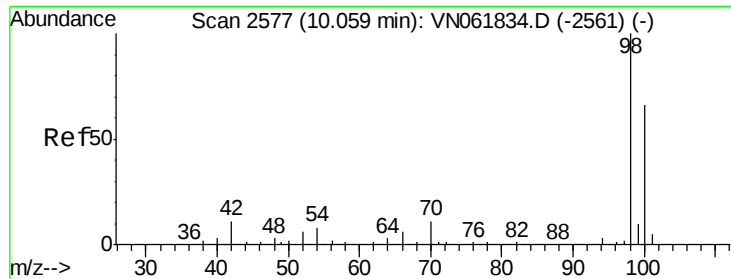
95 94.8 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 48.710 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061845.D

Acq: 17 Jun 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

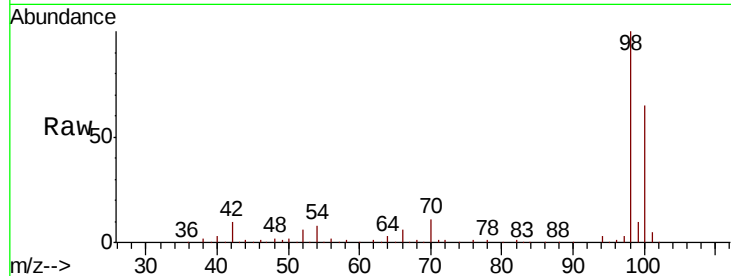
RE125D3-20200609DL

Tot Ion: 98 Resp: 332622

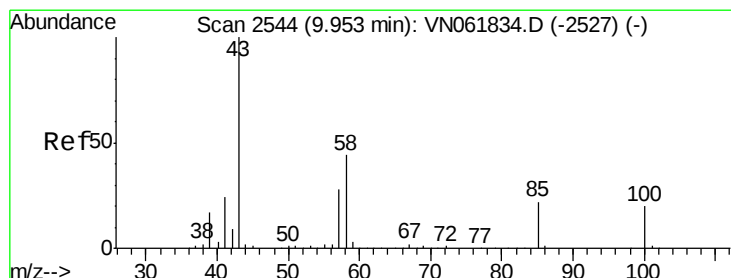
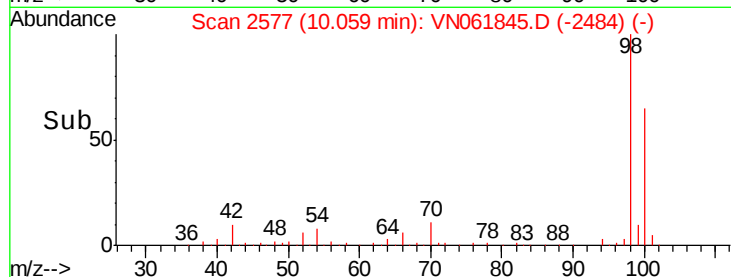
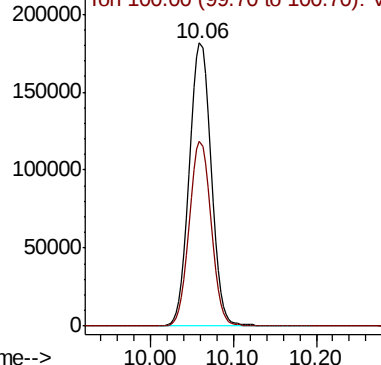
Ion Ratio Lower Upper

98 100

100 65.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.715 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061845.D

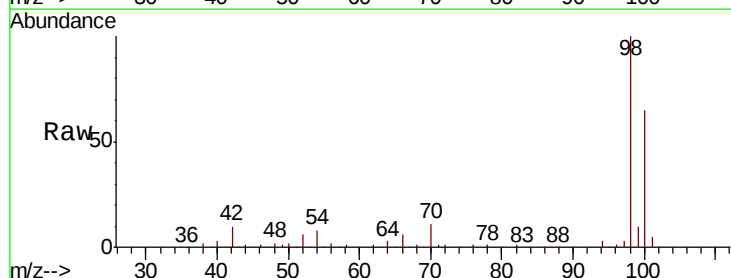
Acq: 17 Jun 2020 13:52

Tgt Ion: 43 Resp: 1377

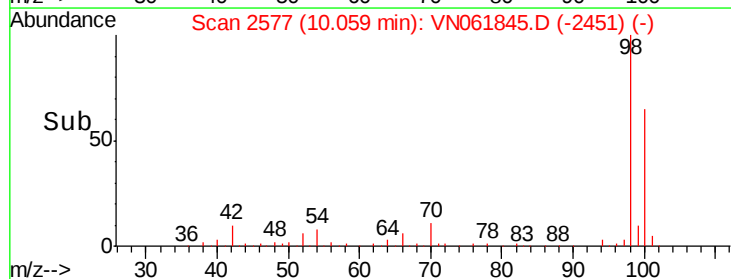
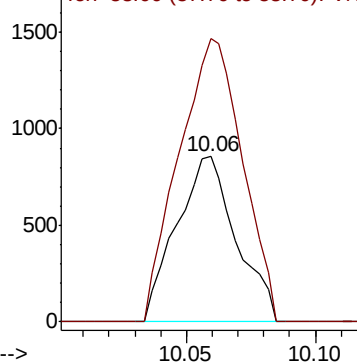
Ion Ratio Lower Upper

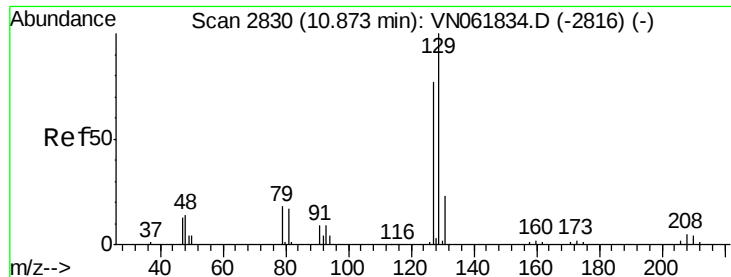
43 100

58 183.2 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

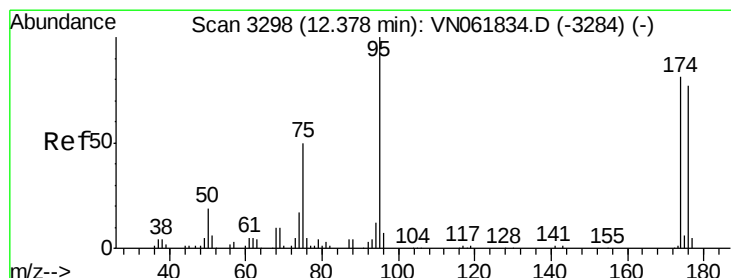
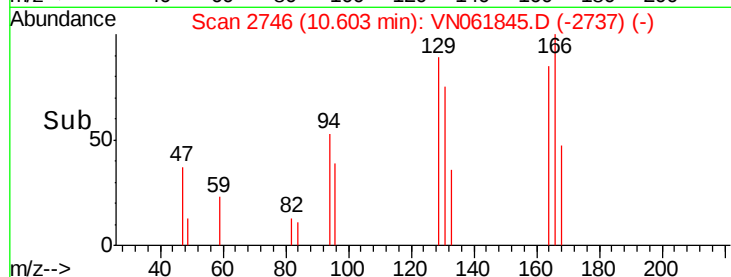
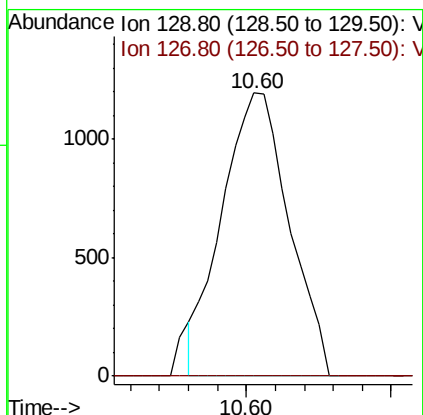
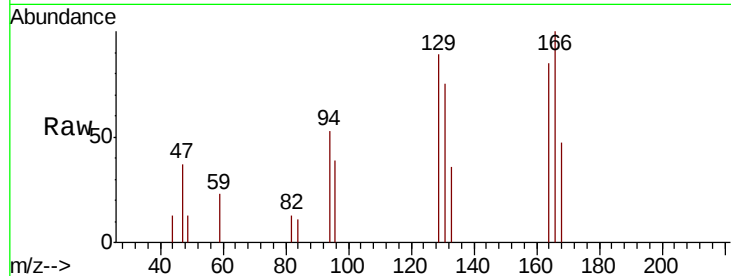




#60
Dibromochloromethane
Concen: 0.927 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.27 min
Lab File: VN061845.D
Acq: 17 Jun 2020 13:52

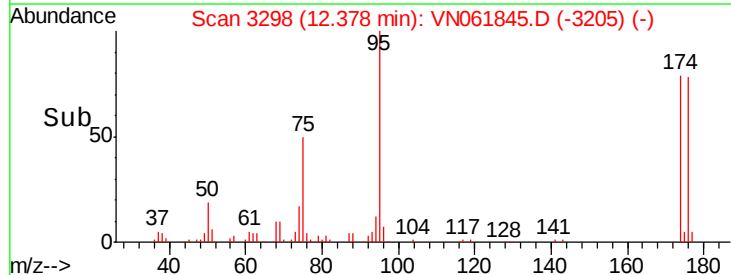
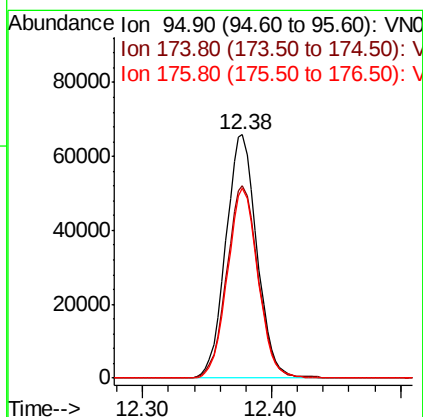
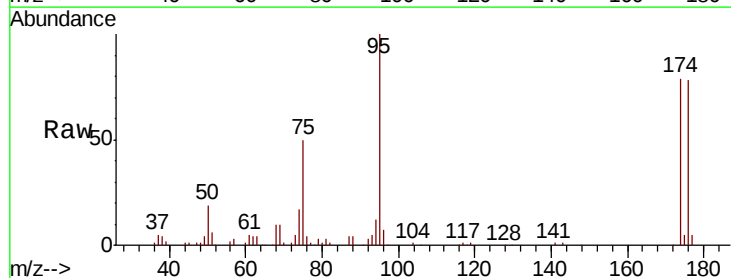
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20200609DL

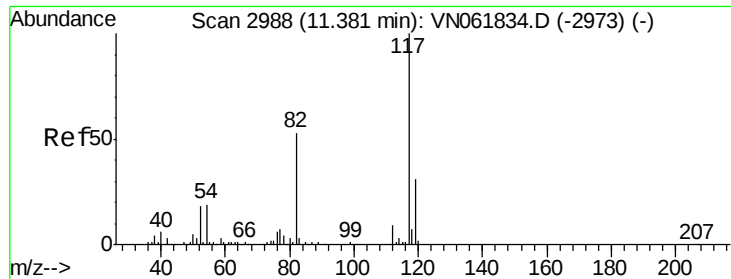
Tot Ion:129 Resp: 1918
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 47.112 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061845.D
Acq: 17 Jun 2020 13:52

Tgt Ion: 95 Resp: 110350
Ion Ratio Lower Upper
95 100
174 80.0 0.0 158.6
176 76.5 0.0 152.0

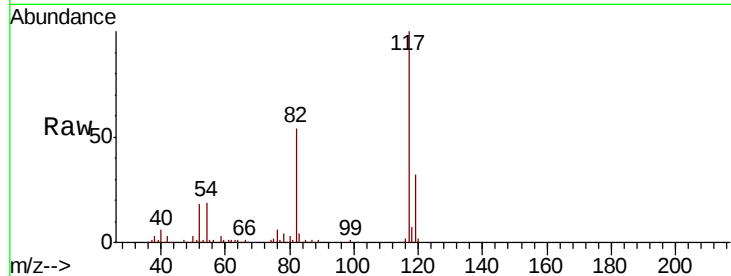




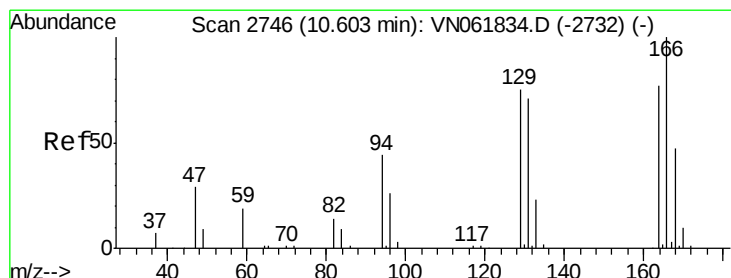
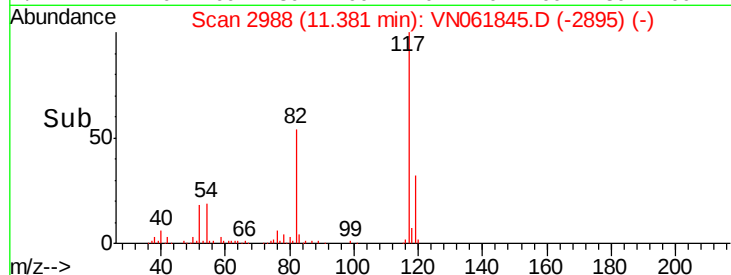
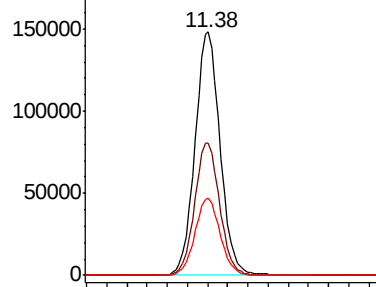
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061845.D
Acq: 17 Jun 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20200609DL

Tot Ion:117 Resp: 257126
Ion Ratio Lower Upper
117 100
82 54.3 42.6 64.0
119 31.7 24.7 37.1

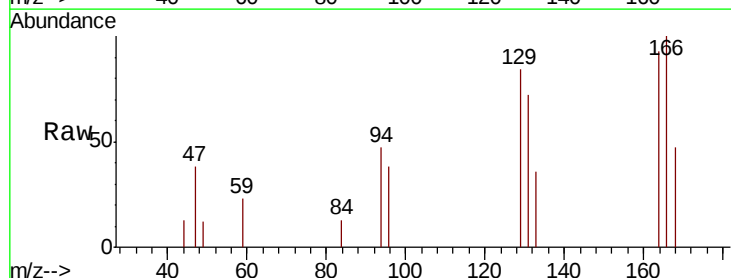


Abundance Ion 116.90 (116.60 to 117.60): V
200000 Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

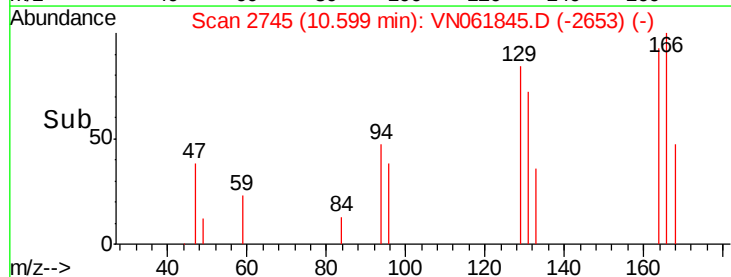
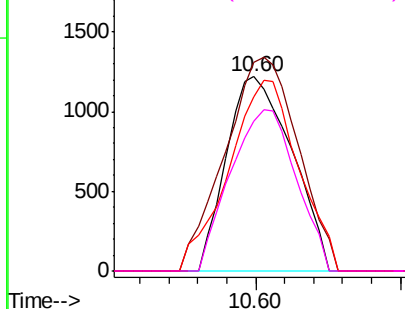


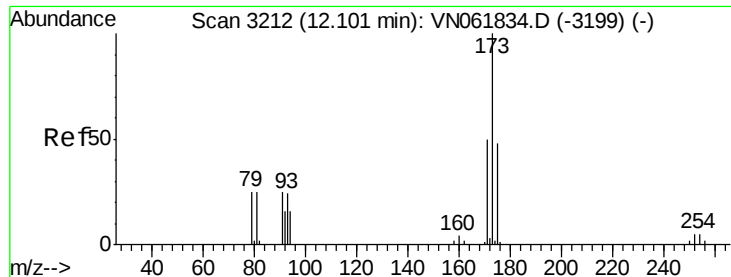
#64
Tetrachloroethene
Concen: 1.166 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061845.D
Acq: 17 Jun 2020 13:52

Tgt Ion:164 Resp: 1911
Ion Ratio Lower Upper
164 100
166 107.2 103.5 155.3
129 89.6 77.5 116.3
131 76.9 73.8 110.8



Abundance Ion 163.80 (163.50 to 164.50): V
2000 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: 0.270 ug/l

RT: 12.37 min Scan# 3296

Delta R.T. 0.27 min

Lab File: VN061845.D

Acq: 17 Jun 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

RE125D3-20200609DL

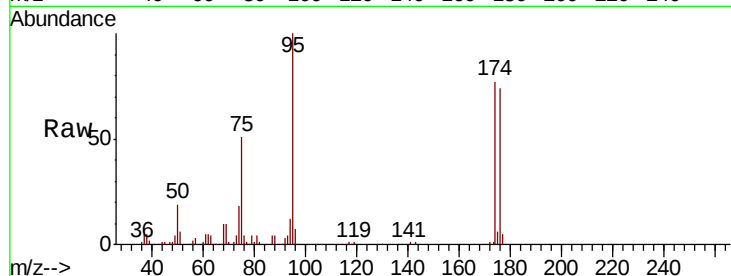
Tot Ion:173 Resp: 372

Ion Ratio Lower Upper

173 100

175 1448.7 23.9 71.7#

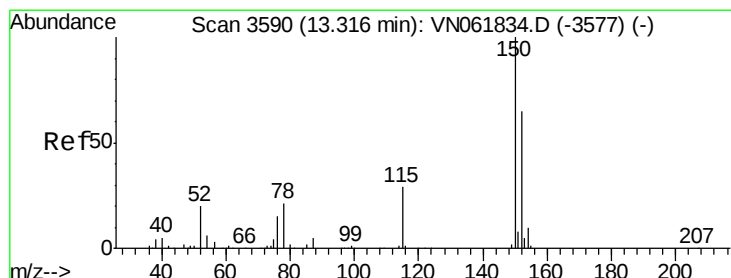
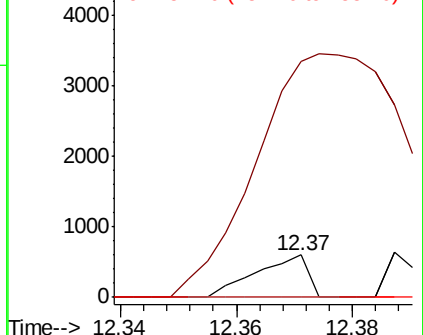
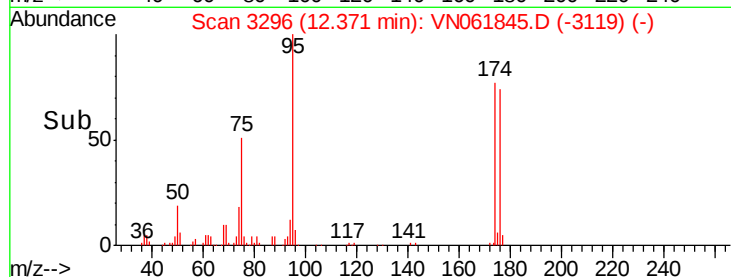
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061845.D

Acq: 17 Jun 2020 13:52

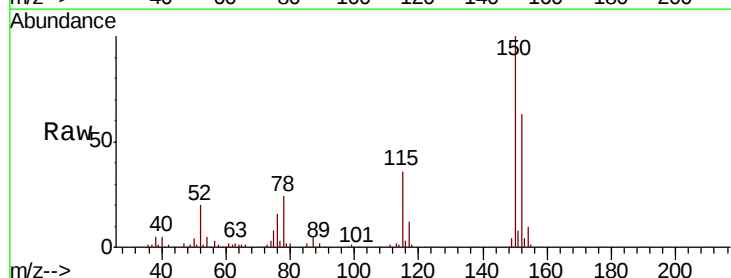
Tgt Ion:152 Resp: 101999

Ion Ratio Lower Upper

152 100

115 57.5 29.1 87.3

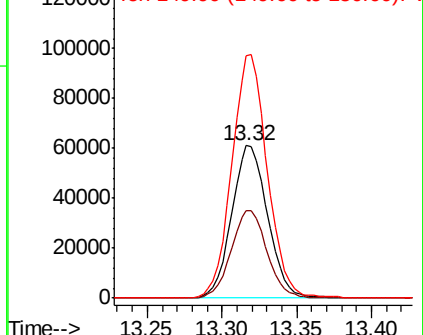
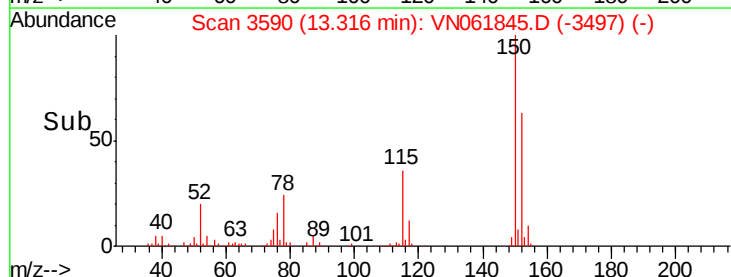
150 158.1 0.0 347.6

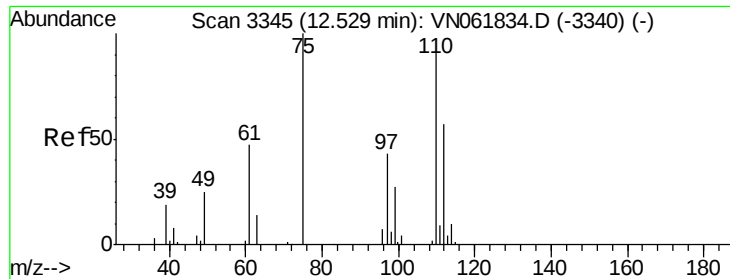


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.022 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061845.D

Acq: 17 Jun 2020 13:52

Instrument :

MSVOA_N

ClientSampleId :

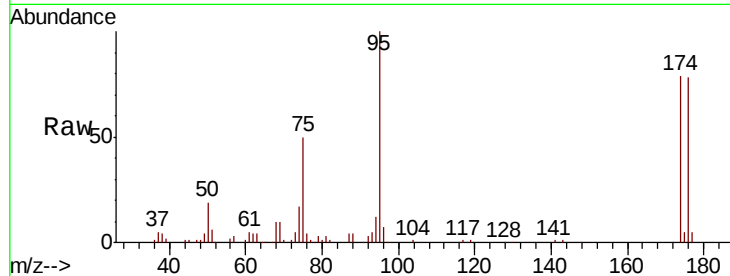
RE125D3-20200609DL

Tot Ion: 75 Resp: 56114

Ion Ratio Lower Upper

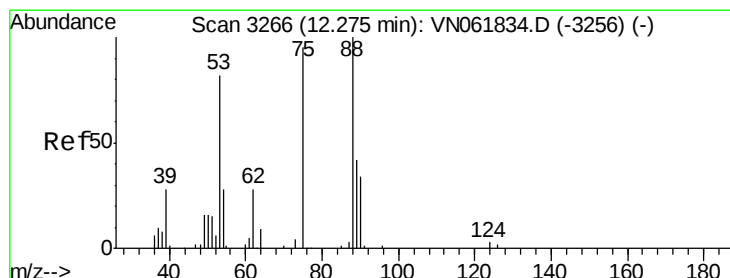
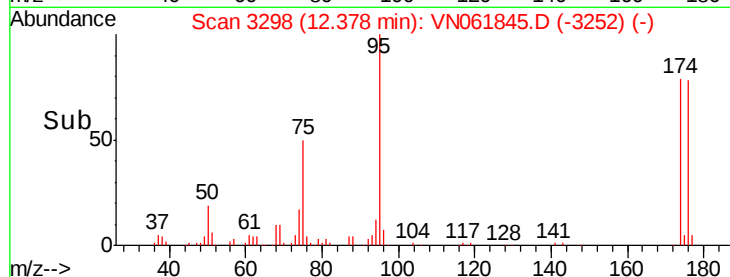
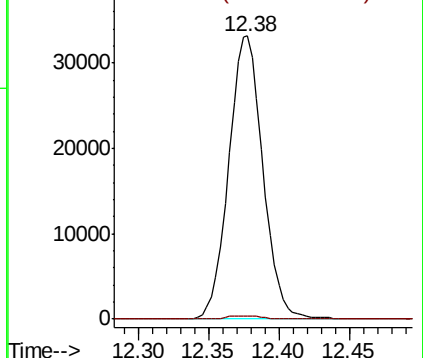
75 100

77 1.1 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: 76.428 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061845.D

Acq: 17 Jun 2020 13:52

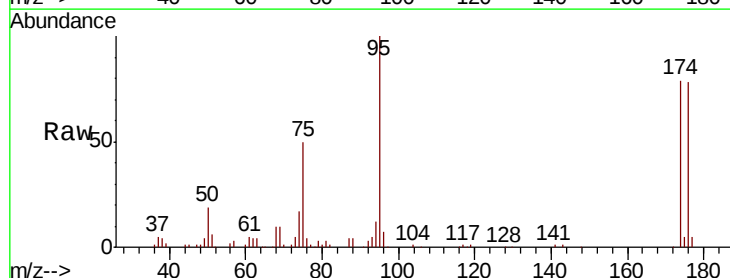
Tgt Ion: 75 Resp: 56114

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

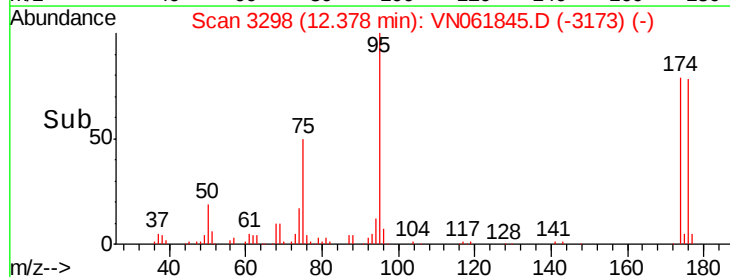
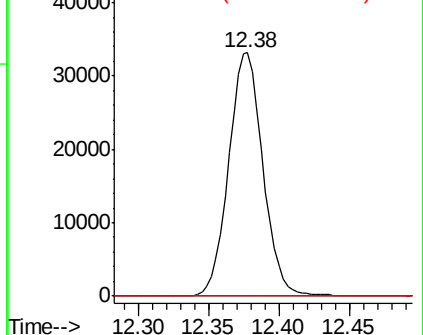
89 0.0 36.0 54.0#

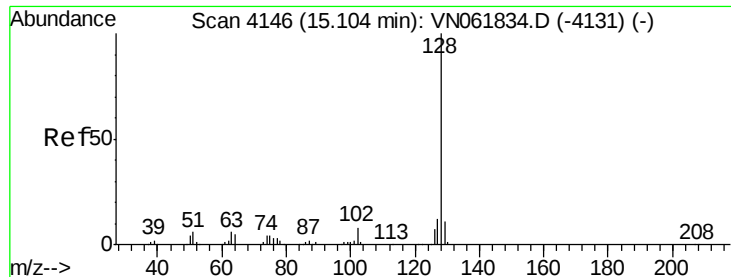


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

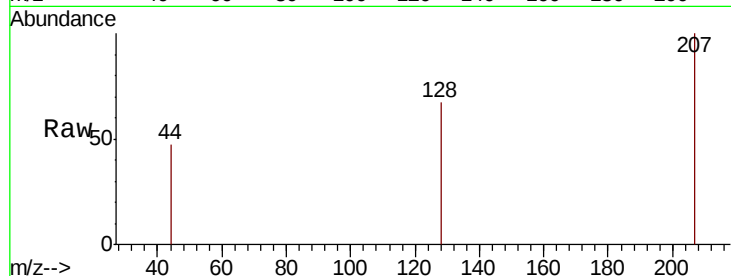




#95
Naphthalene
Concen: 3.559 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061845.D
Acq: 17 Jun 2020 13:52

Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20200609DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

