

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061566.D
 Acq On : 29 May 2020 14:48
 Operator : JC/MD
 Sample : L2803-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 04:43:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	286911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	512443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	497094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	214515	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	179001	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
35) Dibromofluoromethane	7.55	113	145296	55.89	ug/l	0.00
Spiked Amount			Recovery	=	111.78%	
50) Toluene-d8	10.06	98	622815	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.38	95	232014	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	

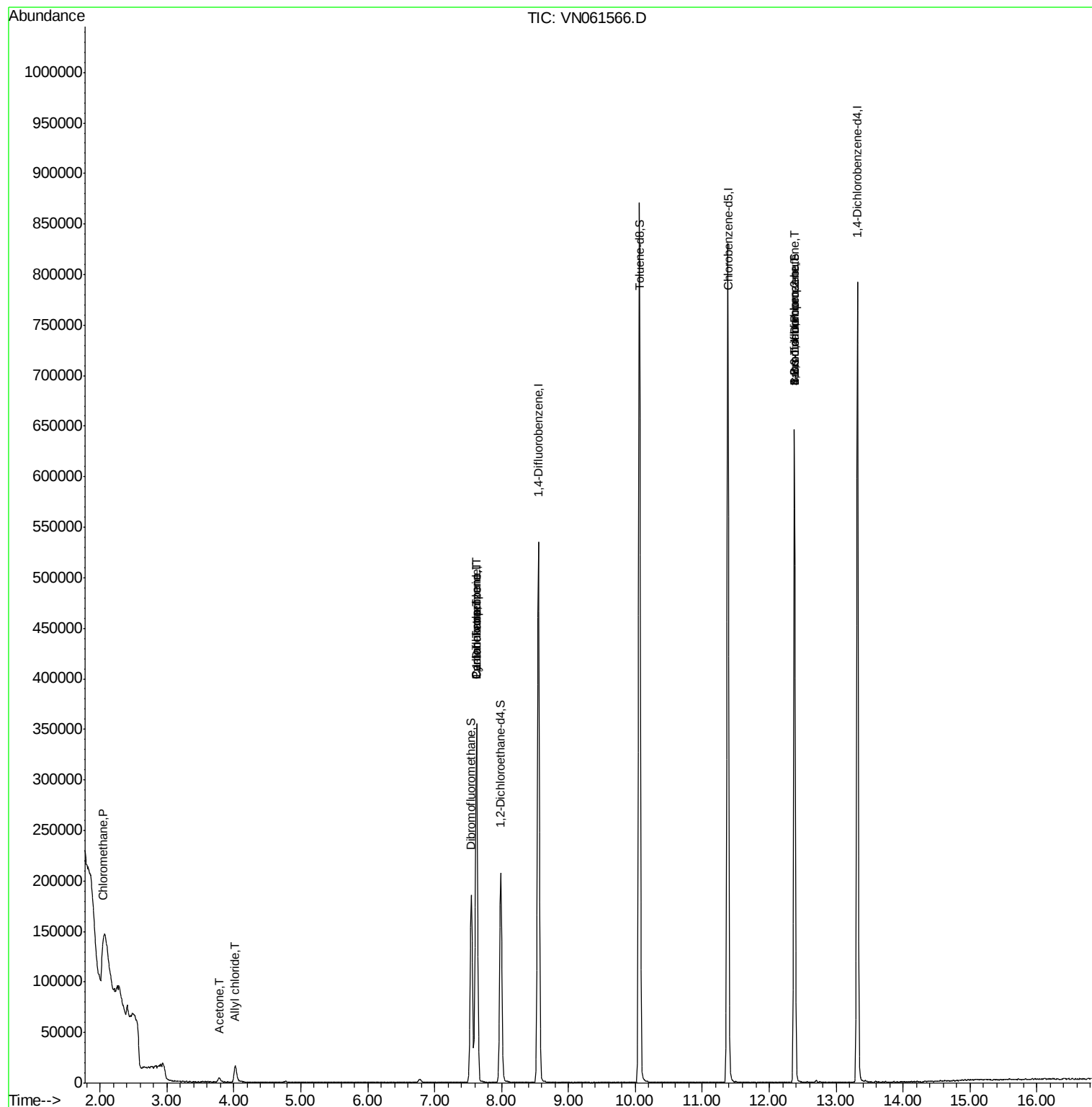
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1436	0.410	ug/l #	86
14) Allyl chloride	4.02	41	2837	0.740	ug/l #	74
16) Acetone	3.78	43	7229	1.510	ug/l	98
20) Methylene Chloride	4.51	84	171	Below Cal	#	57
31) Cyclohexane	7.62	56	5954	1.236	ug/l #	9
36) 1,1-Dichloropropene	7.63	75	21967	4.842	ug/l #	48
38) Carbon Tetrachloride	7.63	117	30621	6.998	ug/l #	15
71) Bromoform	12.38	173	1667	0.562	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	116644	29.903	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	116644	76.471	ug/l #	15

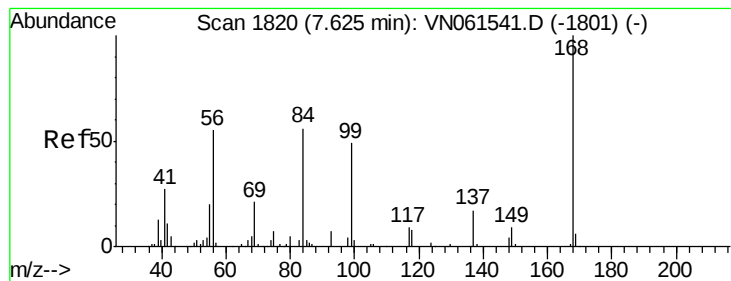
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061566.D

Acq: 29 May 2020 14:48

Instrument :

MSVOA_N

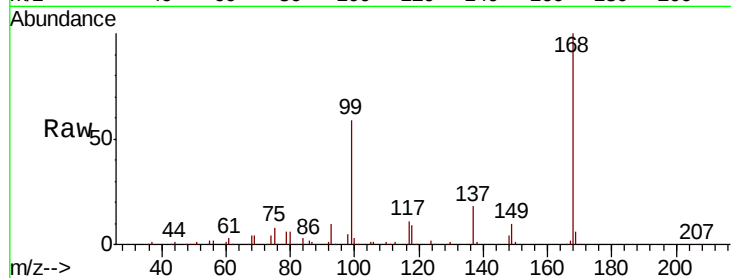
ClientSampleId :

Tot Ion:168 Resp: 286911

Ion Ratio Lower Upper

168 100

99 59.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

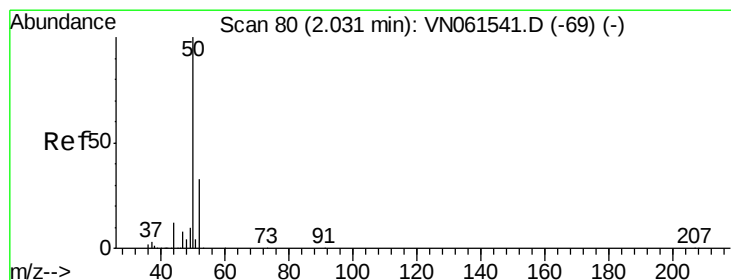
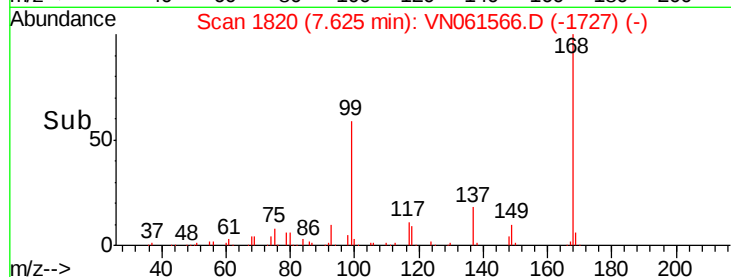
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.410 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN061566.D

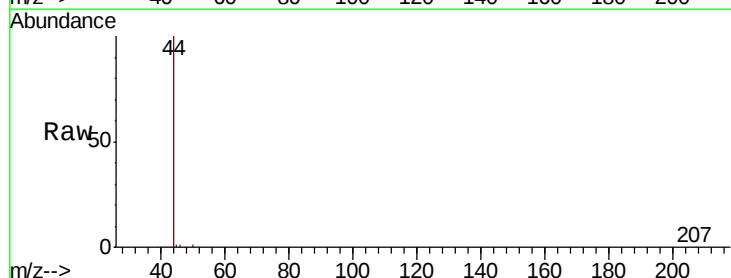
Acq: 29 May 2020 14:48

Tgt Ion: 50 Resp: 1436

Ion Ratio Lower Upper

50 100

52 41.2 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

1000

800

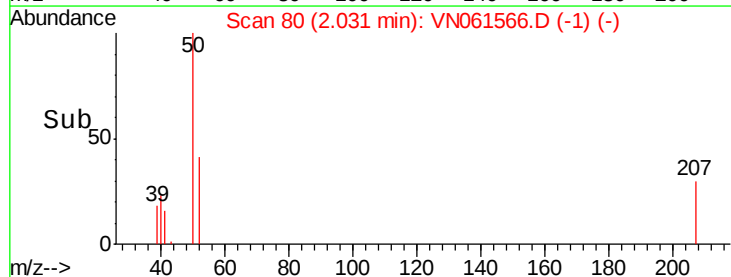
600

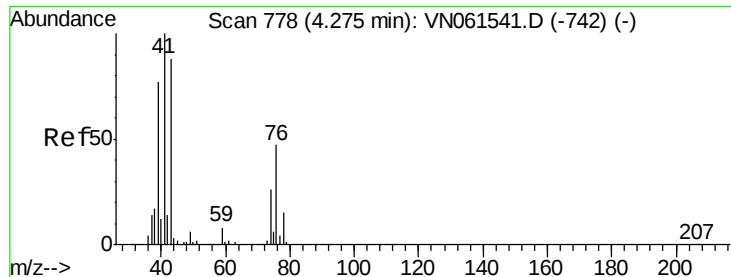
400

200

0

Time--> 2.00 2.05

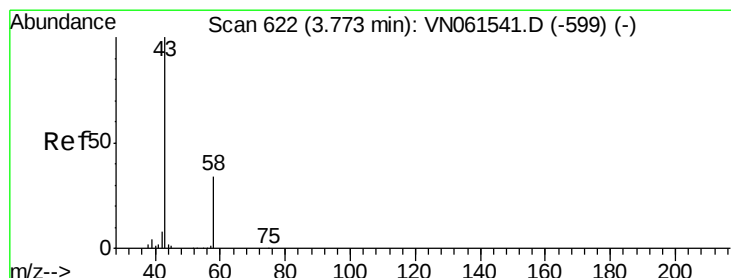
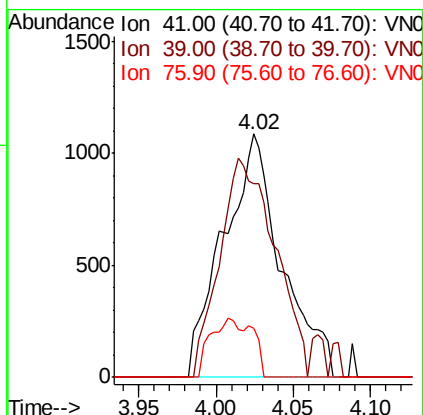
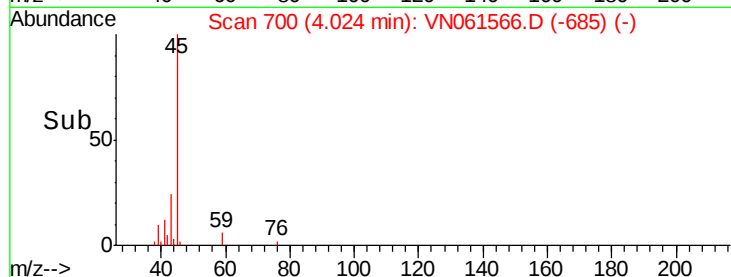
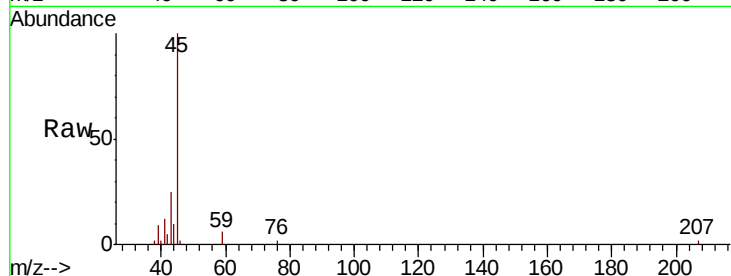




#14
Allvl chloride
Concen: 0.740 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.25 min
Lab File: VN061566.D
Acq: 29 May 2020 14:48

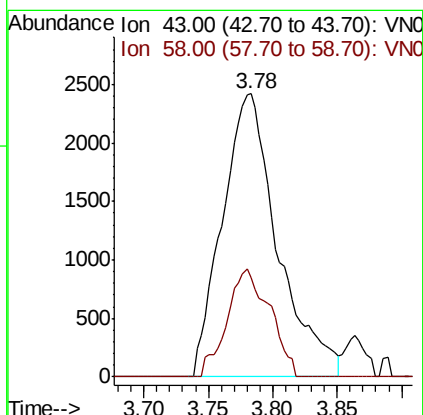
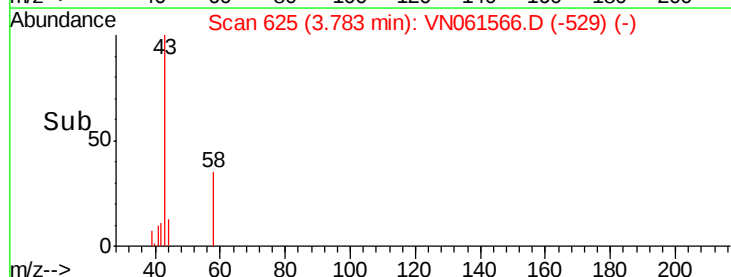
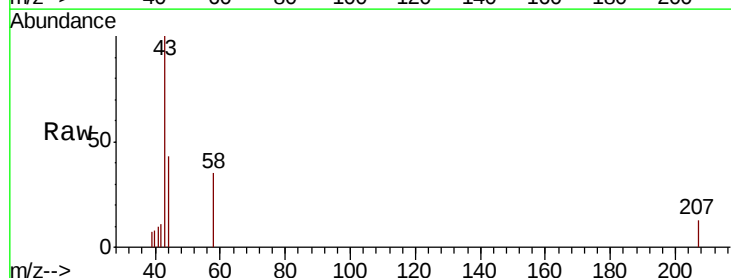
Instrument :
MSVOA_N
ClientSampled :

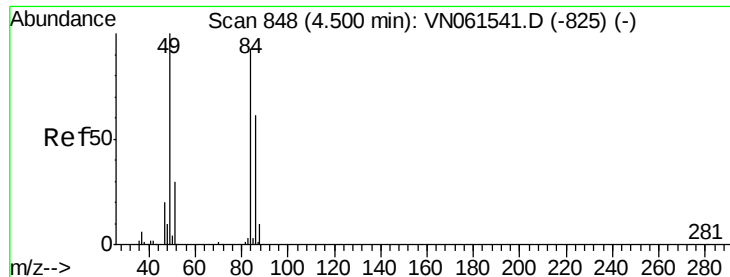
Tot Ion: 41 Resp: 2837
Ion Ratio Lower Upper
41 100
39 85.5 58.6 88.0
76 13.0 34.2 51.4#



#16
Acetone
Concen: 1.510 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN061566.D
Acq: 29 May 2020 14:48

Tgt Ion: 43 Resp: 7229
Ion Ratio Lower Upper
43 100
58 35.2 27.2 40.8

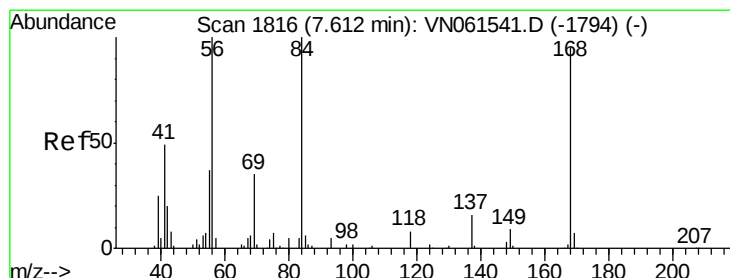
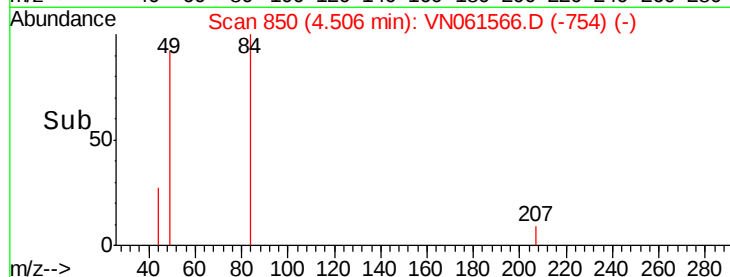
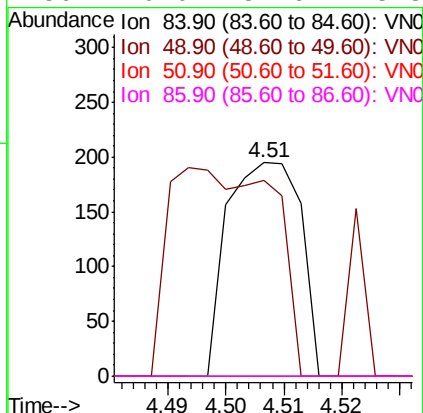
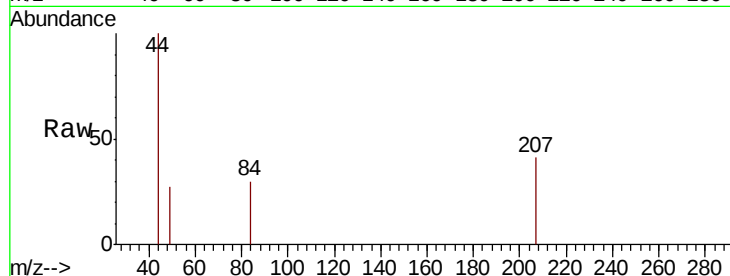




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN061566.D
Acq: 29 May 2020 14:48

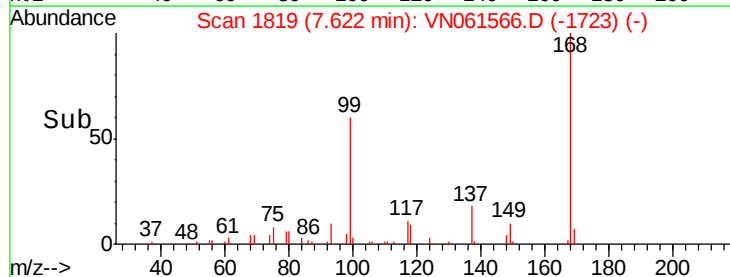
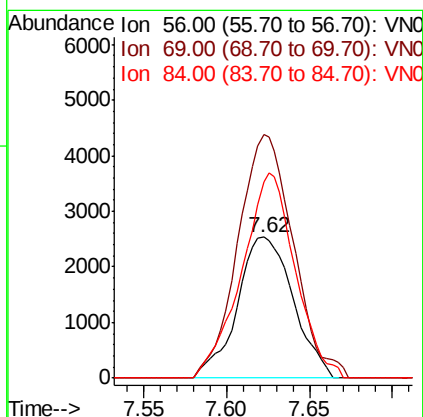
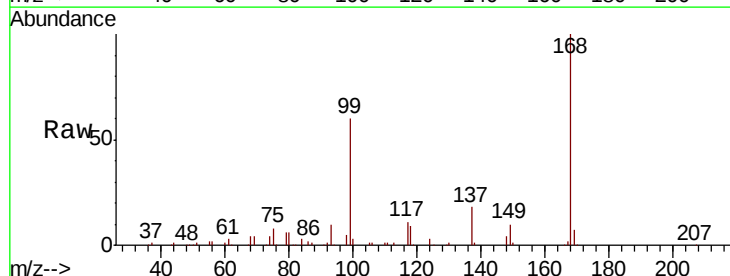
Instrument :
MSVOA_N
ClientSampleId :

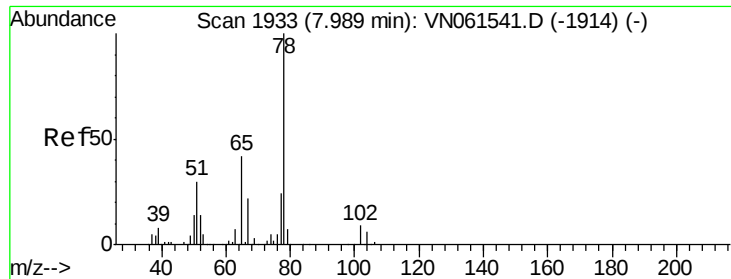
Tot Ion: 84 Resp: 171
Ion Ratio Lower Upper
84 100
49 91.8 85.8 128.8
51 0.0 26.2 39.2#
86 0.0 52.6 78.8#



#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061566.D
Acq: 29 May 2020 14:48

Tgt Ion: 56 Resp: 5954
Ion Ratio Lower Upper
56 100
69 172.7 27.8 41.8#
84 139.6 79.9 119.9#

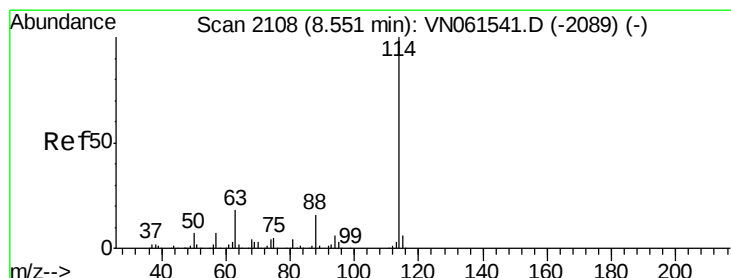
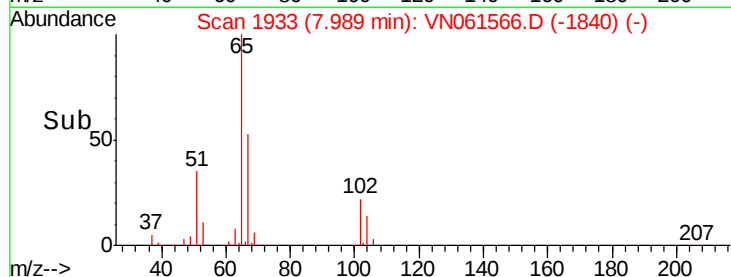
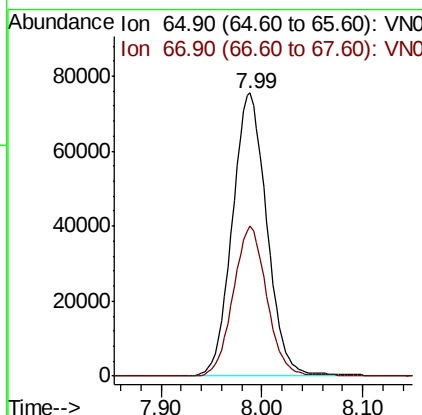
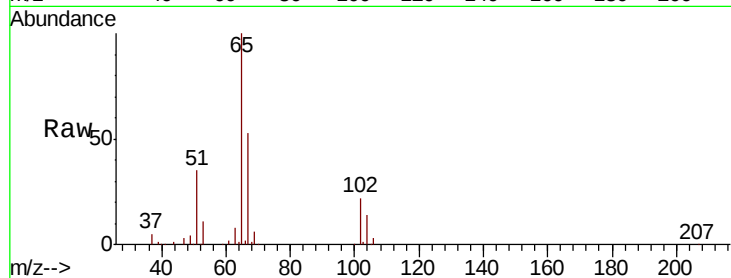




#33
 1,2-Dichloroethane-d4
 Concen: 52.365 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061566.D
 Acq: 29 May 2020 14:48

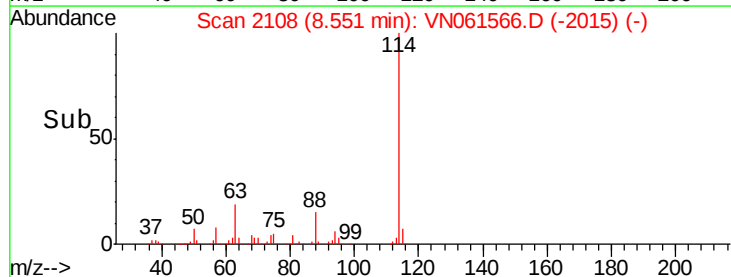
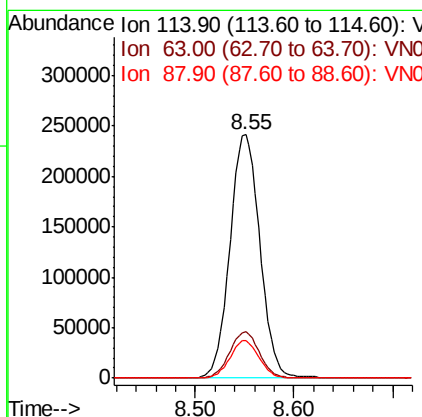
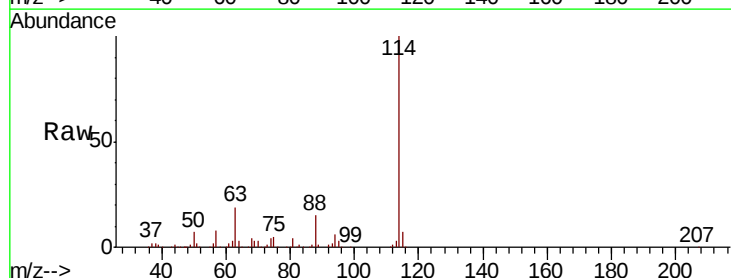
Instrument :
 MSVOA_N
 ClientSampleId :

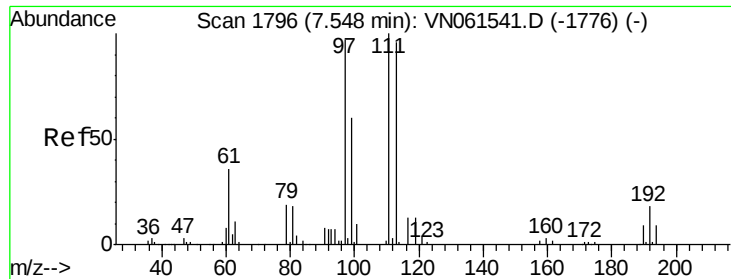
Tot Ion: 65 Resp: 179001
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061566.D
 Acq: 29 May 2020 14:48

Tgt Ion: 114 Resp: 512443
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 35.8
 88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 55.893 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061566.D

Acq: 29 May 2020 14:48

Instrument :
MSVOA_N
ClientSampled :

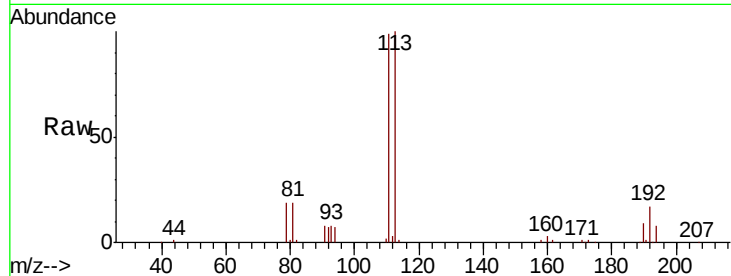
Tot Ion:113 Resp: 145296

Ion Ratio Lower Upper

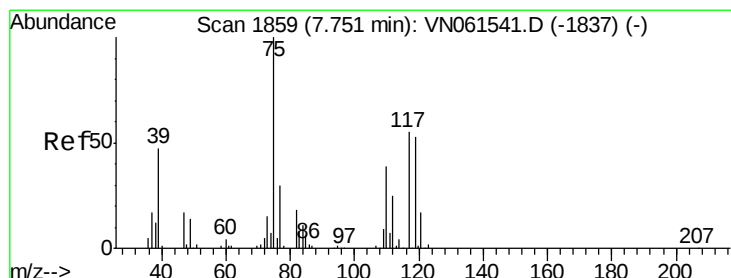
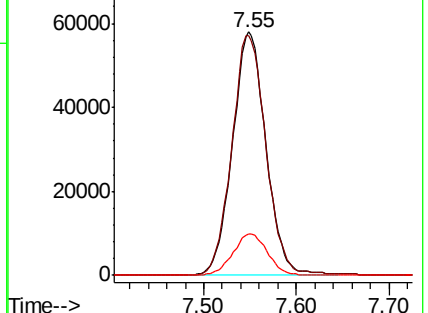
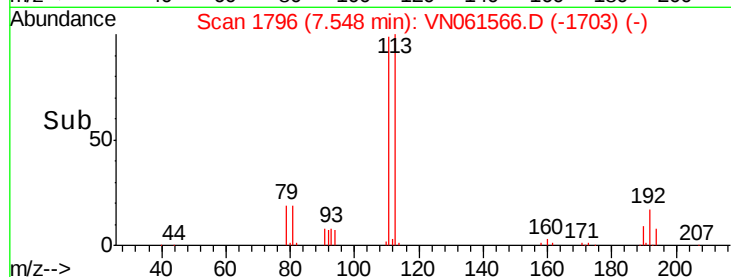
113 100

111 101.0 83.4 125.0

192 17.6 15.4 23.2



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: 4.842 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061566.D

Acq: 29 May 2020 14:48

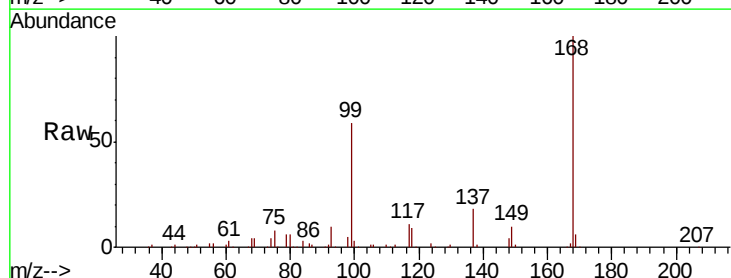
Tgt Ion: 75 Resp: 21967

Ion Ratio Lower Upper

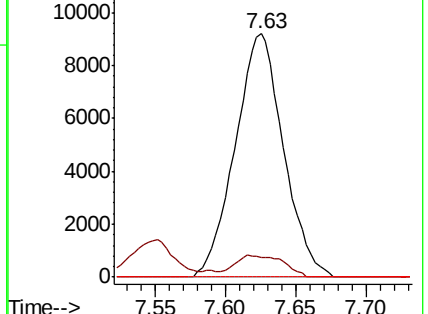
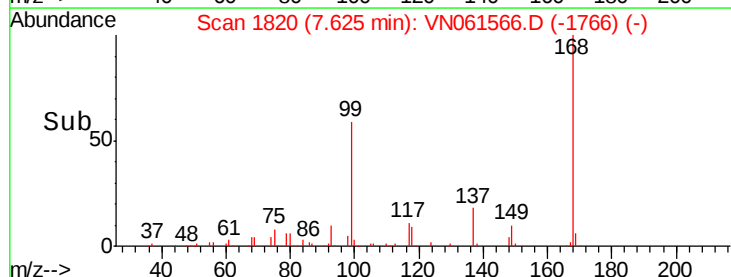
75 100

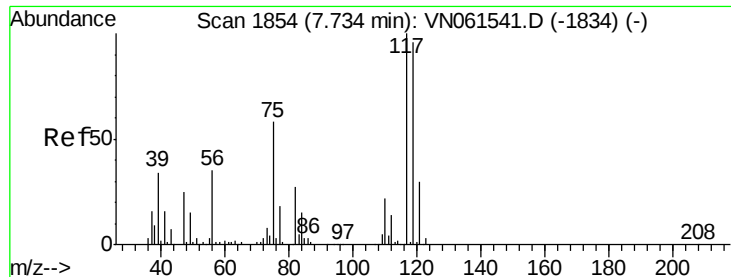
110 9.0 19.5 58.5#

77 0.0 24.7 37.1#



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: 6.998 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061566.D

Acq: 29 May 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

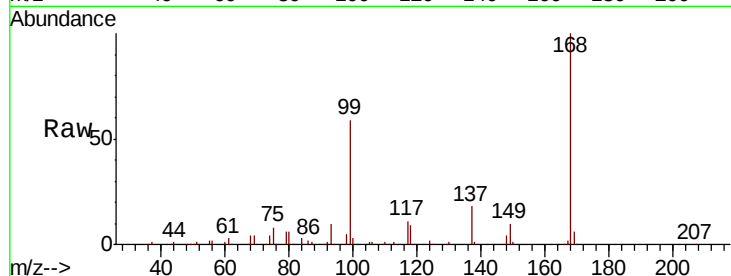
Tot Ion:117 Resp: 30621

Ion Ratio Lower Upper

117 100

119 3.9 76.5 114.7#

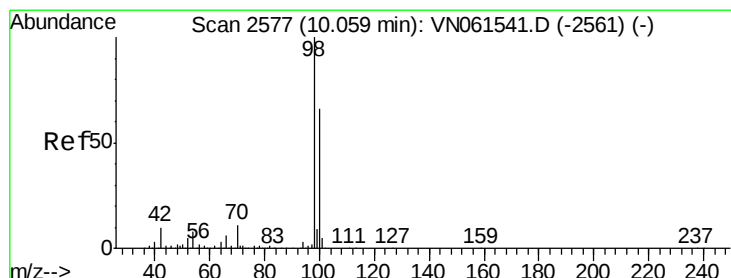
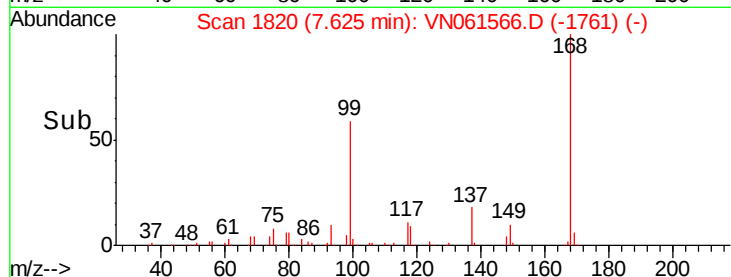
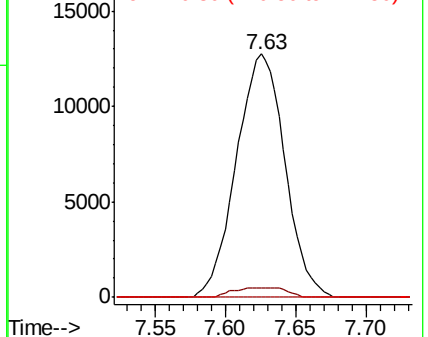
121 0.0 24.1 36.1#



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



#50

Toluene-d8

Concen: 51.701 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061566.D

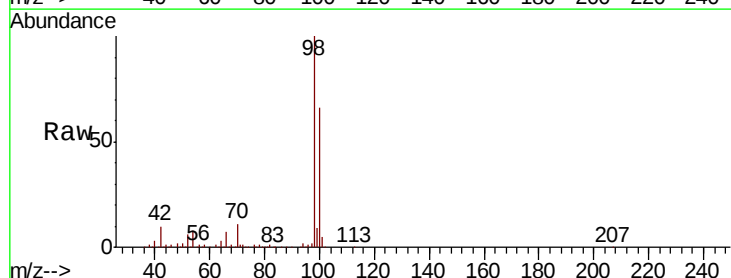
Acq: 29 May 2020 14:48

Tgt Ion: 98 Resp: 622815

Ion Ratio Lower Upper

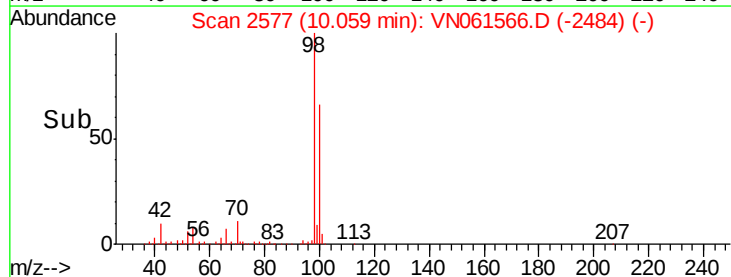
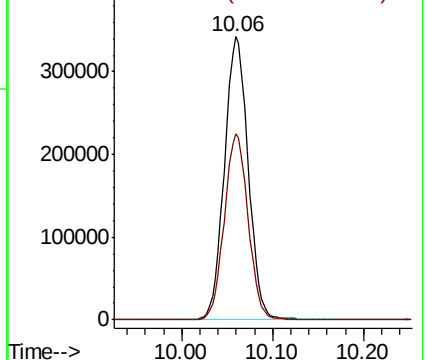
98 100

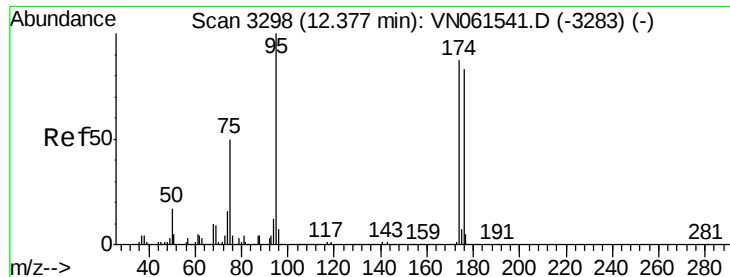
100 65.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 52.790 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061566.D

Acq: 29 May 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

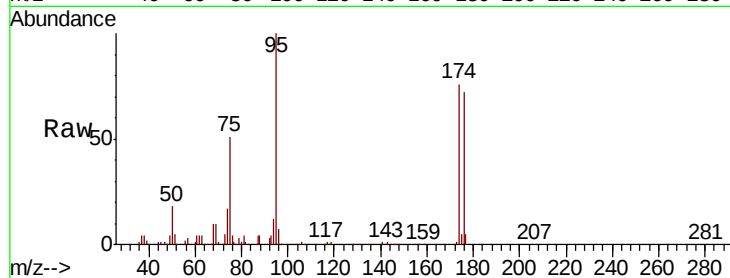
Tot Ion: 95 Resp: 232014

Ion Ratio Lower Upper

95 100

174 75.4 0.0 172.8

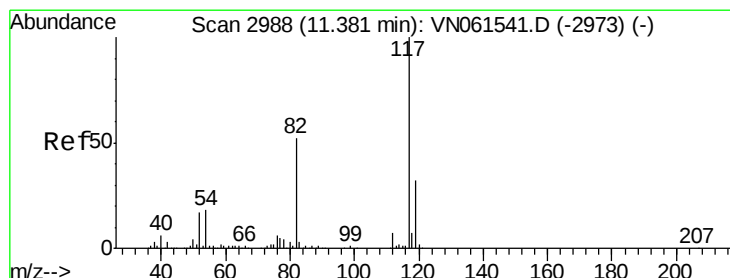
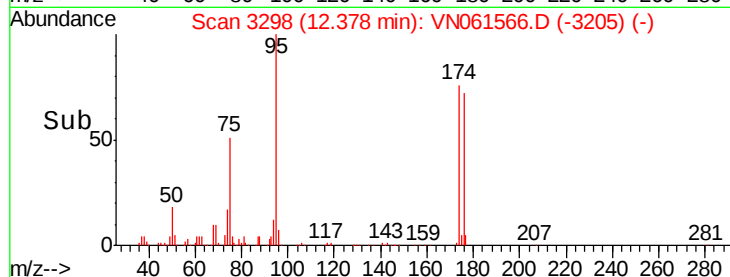
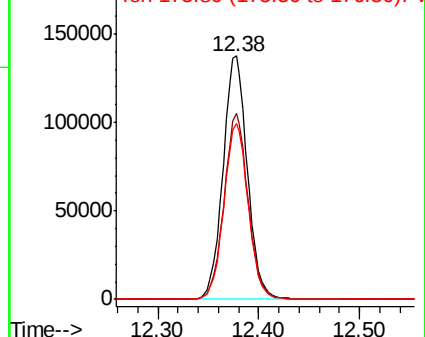
176 72.1 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061541.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061541.D (-3283) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061566.D

Acq: 29 May 2020 14:48

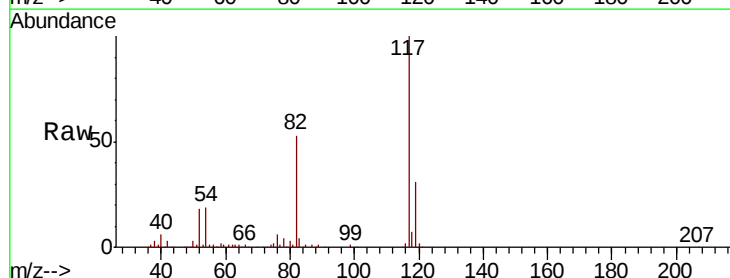
Tgt Ion: 117 Resp: 497094

Ion Ratio Lower Upper

117 100

82 53.5 41.5 62.3

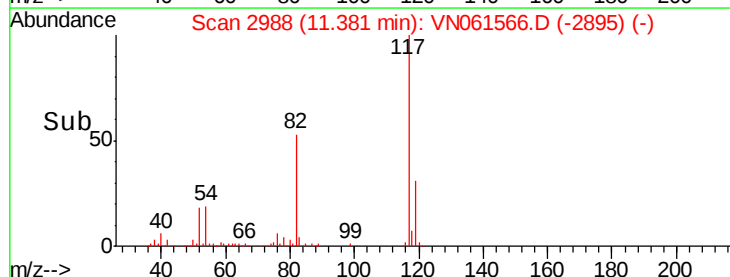
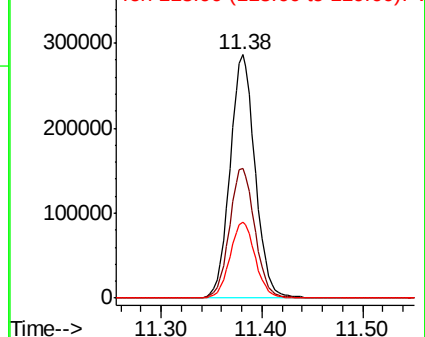
119 31.3 25.6 38.4

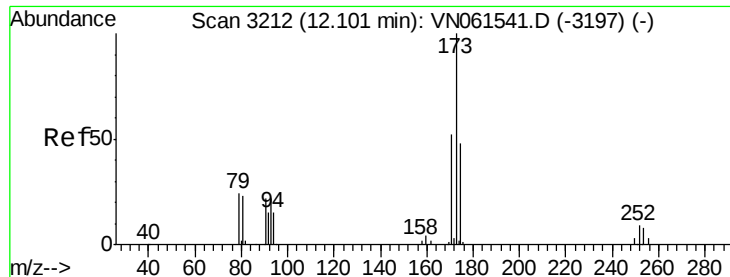


Abundance Ion 116.90 (116.60 to 117.60): VN061541.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061541.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061541.D (-2973) (-)





#71

Bromoform

Concen: 0.562 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061566.D

Acq: 29 May 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

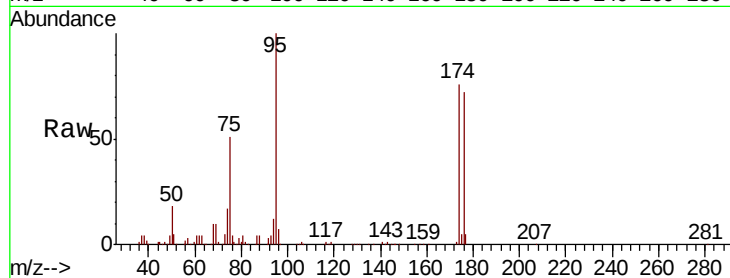
Tot Ion:173 Resp: 1667

Ion Ratio Lower Upper

173 100

175 641.7 24.4 73.2#

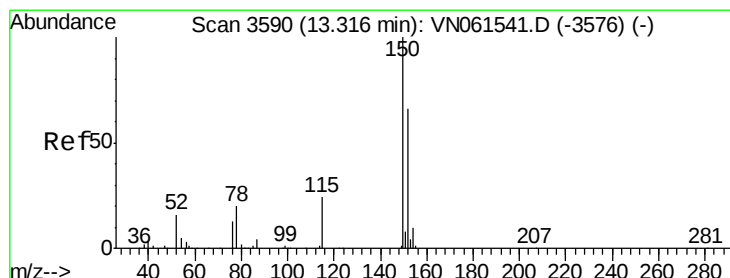
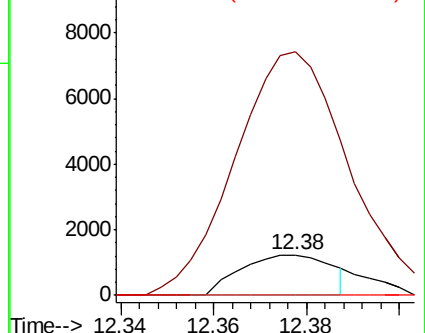
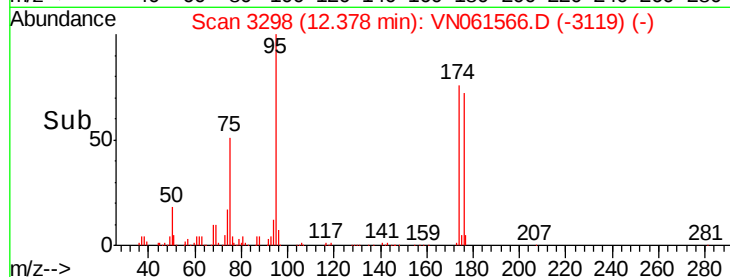
254 0.0 0.0 0.0



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# 3591

Delta R.T. 0.00 min

Lab File: VN061566.D

Acq: 29 May 2020 14:48

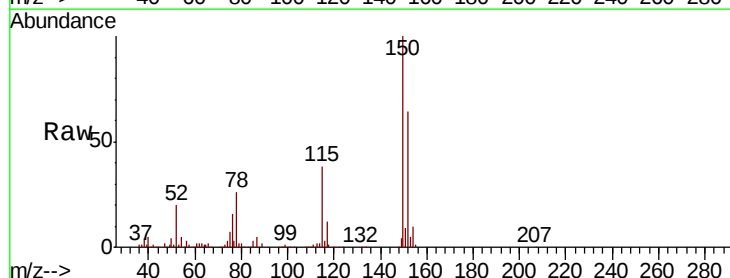
Tgt Ion:152 Resp: 214515

Ion Ratio Lower Upper

152 100

115 59.8 28.0 84.0

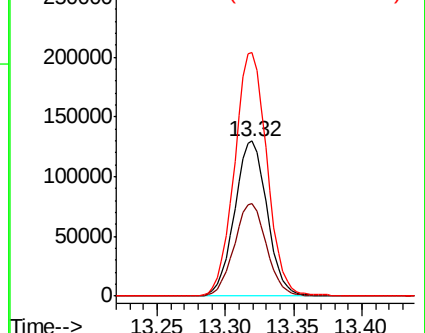
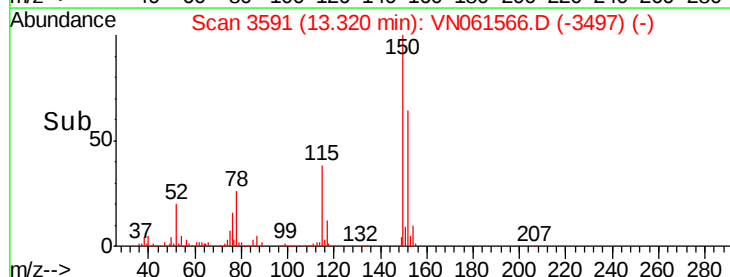
150 157.2 0.0 344.0

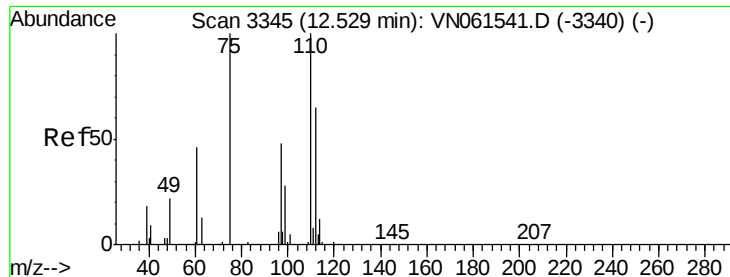


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.903 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061566.D

Acq: 29 May 2020 14:48

Instrument :

MSVOA_N

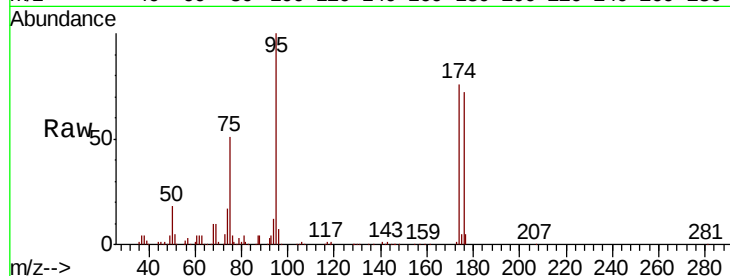
ClientSampleId :

Tot Ion: 75 Resp: 116644

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

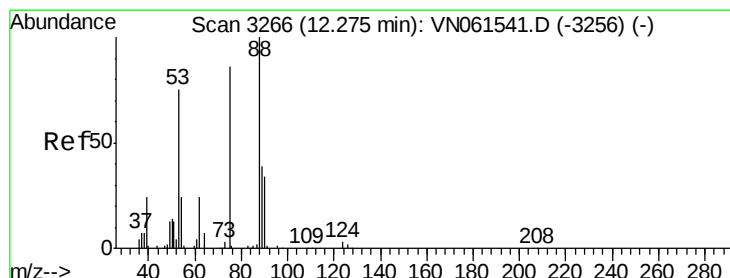
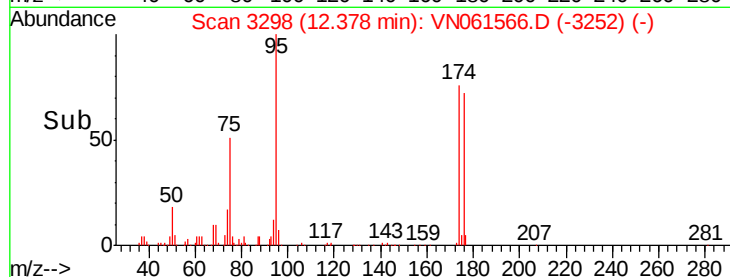
40000

20000

0

Time-->

12.30 12.40



#81

trans-1,4-Dichloro-2-butene

Concen: 76.471 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061566.D

Acq: 29 May 2020 14:48

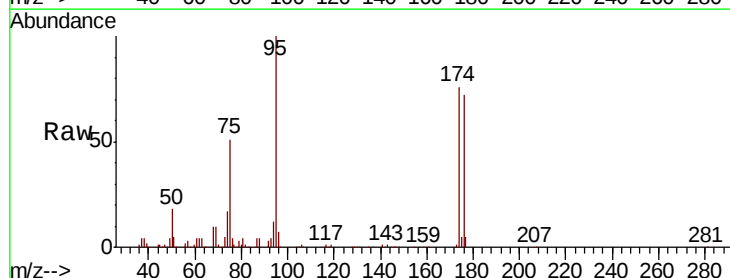
Tgt Ion: 75 Resp: 116644

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#



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 12.40

