

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018783.D
 Acq On : 09 Oct 2020 00:38
 Operator : SY/MD
 Sample : L4239-09DL 400X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P2DL

Quant Time: Oct 09 07:32:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 07:31:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	324890	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	295903	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	160367	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	134673	45.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.24%
7) Chloroethane-d5	1.58	69	110118	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.68%
11) 1,1-Dichloroethene-d2	2.12	63	203429	35.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.48%
21) 2-Butanone-d5	3.90	46	181923	100.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.37%
24) Chloroform-d	4.38	84	228001	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.56%
26) 1,2-Dichloroethane-d4	5.06	65	169877	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.24%
32) Benzene-d6	5.07	84	485633	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.09	67	158025	50.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.78%
41) Toluene-d8	7.34	98	451170	53.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.74%
43) trans-1,3-Dichloropropene-	7.64	79	75363	49.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.30%
47) 2-Hexanone-d5	8.11	63	101058	92.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.86%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	159113	44.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	174418	49.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1853	0.793	ug/L #	23
20) cis-1,2-Dichloroethene	3.94	96	18207	7.258	ug/L	96
29) Cyclohexane	4.70	56	4866	1.358	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	25052	6.352	ug/L	96
31) Carbon tetrachloride	4.63	117	3181	0.957	ug/L	99
39) cis-1,3-Dichloropropene	7.01	75	4610	1.265	ug/L #	55
42) Toluene	7.41	91	456749	47.368	ug/L	98
48) 2-Hexanone	8.16	43	13235	5.003	ug/L #	81
49) Dibromochloromethane	8.00	129	2061	0.814	ug/L #	10
52) Ethylbenzene	9.04	91	11521	1.052	ug/L	96
53) m,p-Xylene	9.16	106	15066	3.748	ug/L	97
54) o-xylene	9.57	106	8146	2.134	ug/L	97
59) 1,2,3-Trichloropropane	11.27	75	19756	6.439	ug/L	89
67) 1,3,5-Trichlorobenzene	13.29	180	3383	0.999	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	3383	1.062	ug/L	96
69) Naphthalene	13.53	128	10924	1.218	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
Data File : VV018783.D
Acq On : 09 Oct 2020 00:38
Operator : SY/MD
Sample : L4239-09DL 400X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BG3P2DL

Quant Time: Oct 09 07:32:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 09 07:31:27 2020
Response via : Initial Calibration

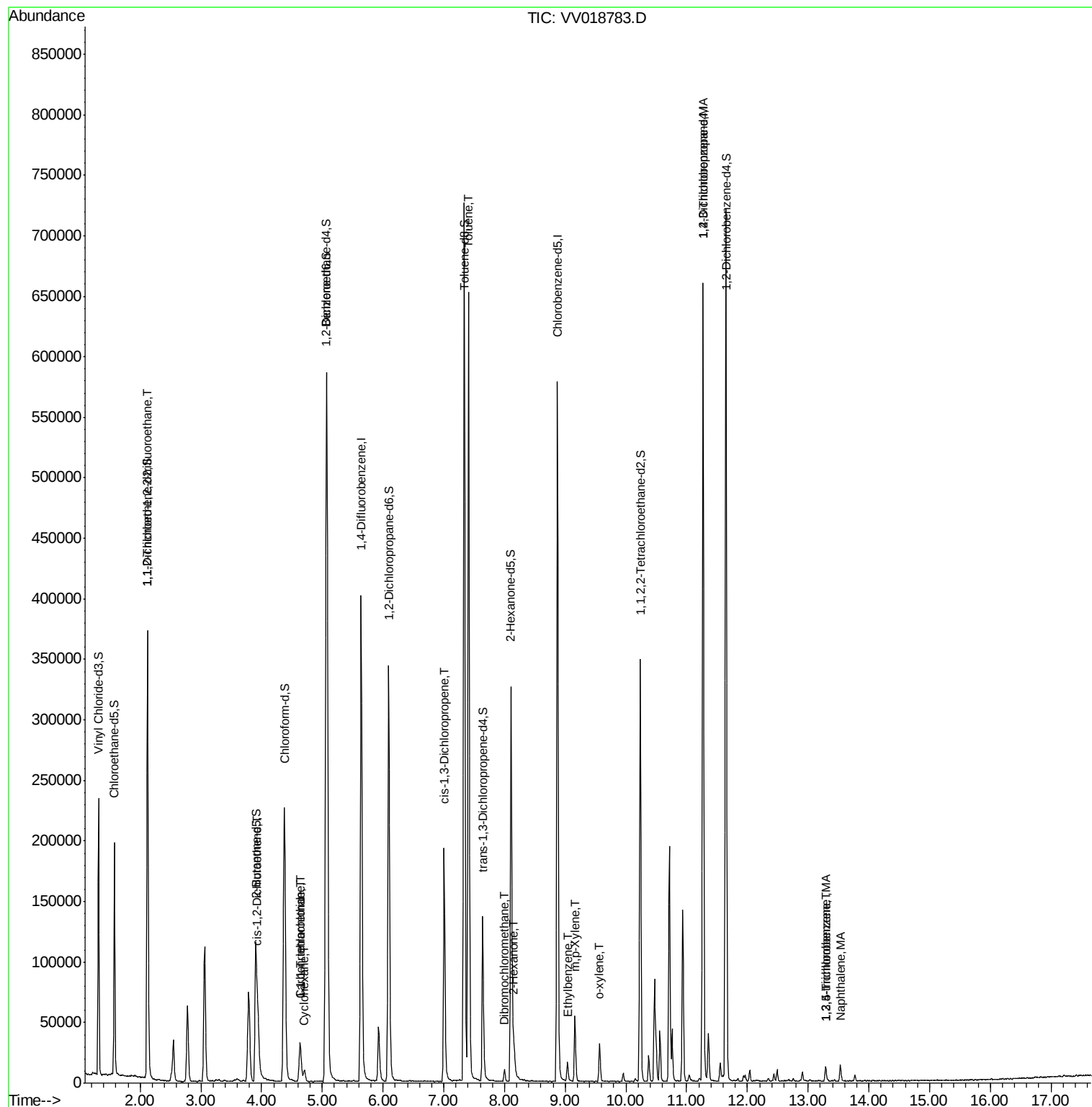
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

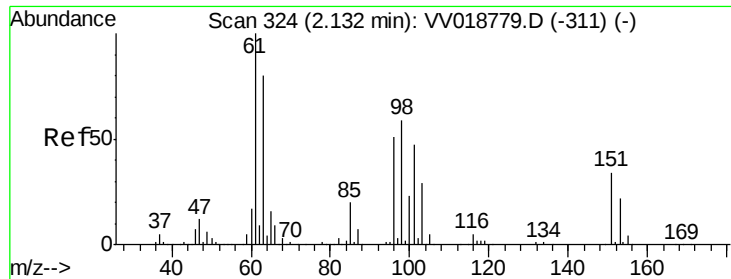
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV100920\
Data File : VV018783.D
Acq On : 09 Oct 2020 00:38
Operator : SY/MD
Sample : L4239-09DL 400X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BG3P2DL

Quant Time: Oct 09 07:32:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 09 07:31:27 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.793 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018783.D

Acq: 09 Oct 2020 00:38

Instrument :

MSVOA_V

ClientSampleId :

BG3P2DL

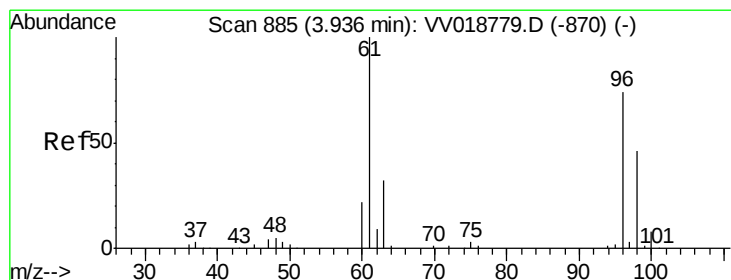
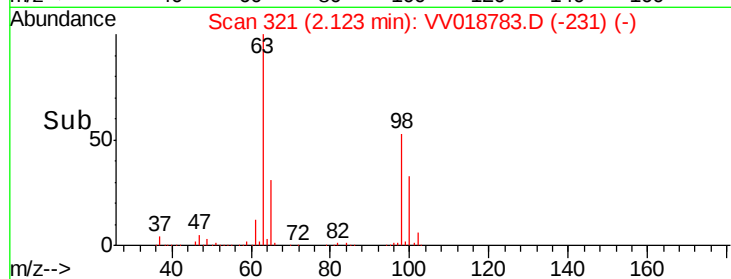
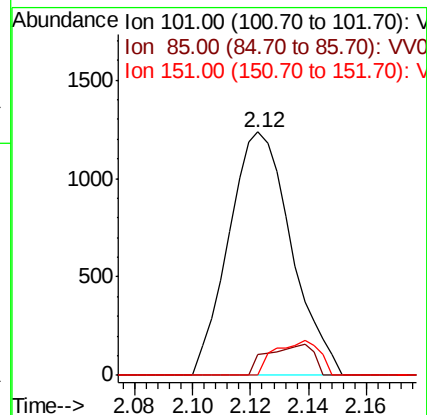
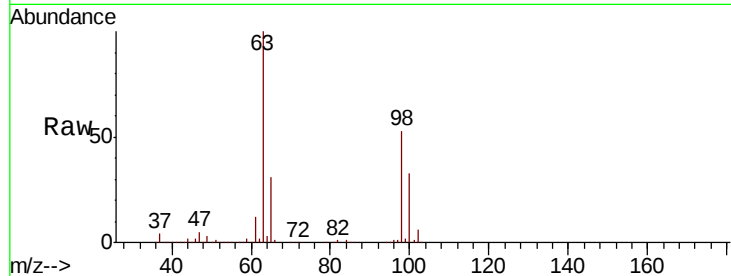
Tot Ion:101 Resp: 1853

Ion Ratio Lower Upper

101 100

85 5.8 35.9 53.9#

151 0.0 59.8 89.8#



#20

cis-1,2-Dichloroethene

Concen: 7.258 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018783.D

Acq: 09 Oct 2020 00:38

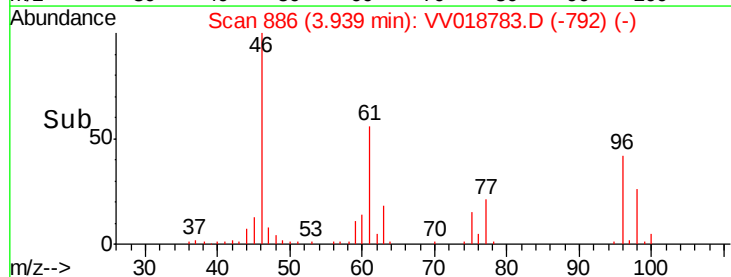
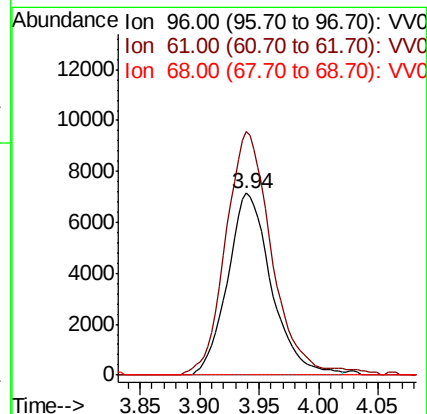
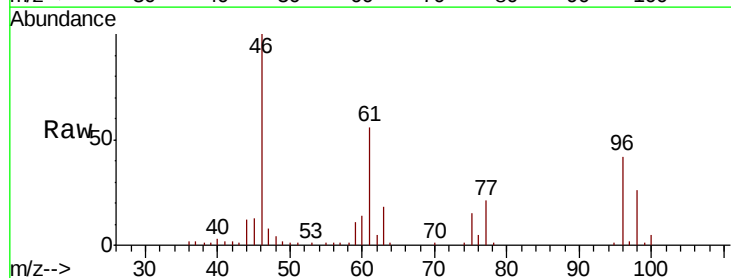
Tgt Ion: 96 Resp: 18207

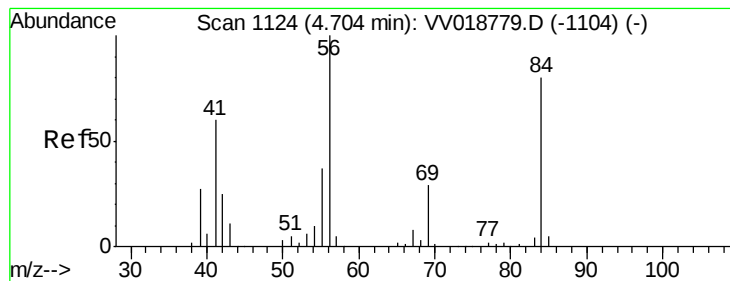
Ion Ratio Lower Upper

96 100

61 133.8 97.3 180.7

68 0.0 0.0 0.0





#29

Cyclohexane

Concen: 1.358 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018783.D

Acq: 09 Oct 2020 00:38

Instrument :

MSVOA_V

ClientSampleId :

BG3P2DL

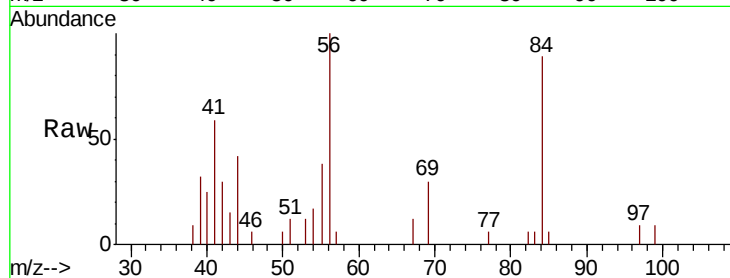
Tot Ion: 56 Resp: 4866

Ion Ratio Lower Upper

56 100

69 29.4 23.1 34.7

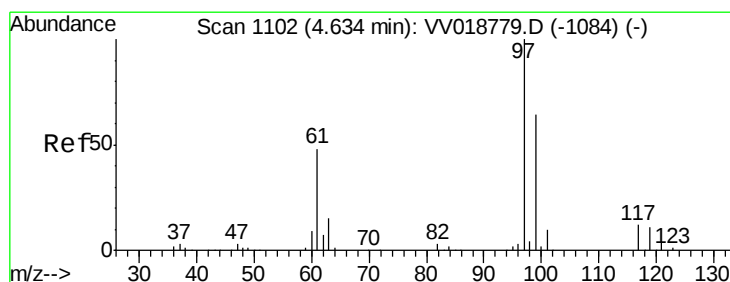
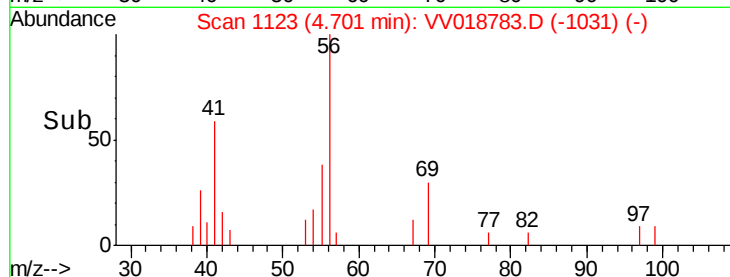
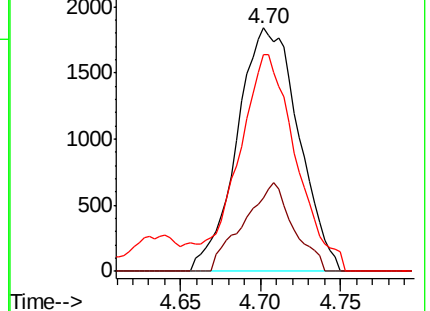
84 82.9 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VV018779.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018779.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018779.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 6.352 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018783.D

Acq: 09 Oct 2020 00:38

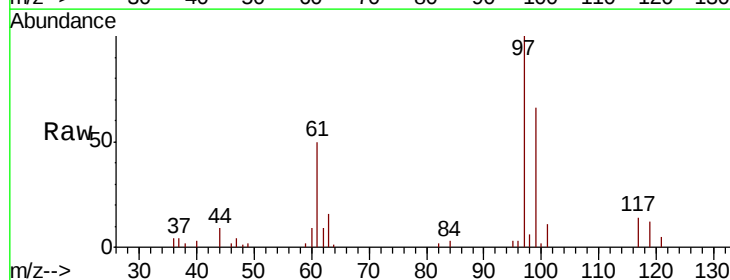
Tgt Ion: 97 Resp: 25052

Ion Ratio Lower Upper

97 100

99 65.8 51.0 76.4

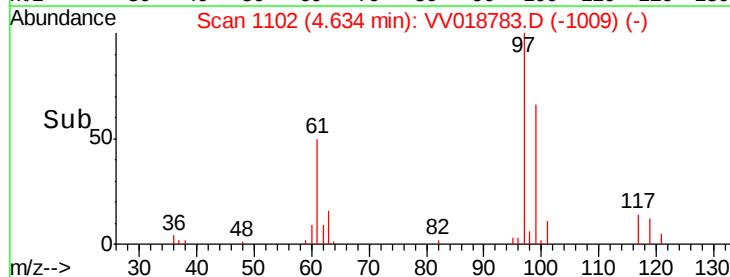
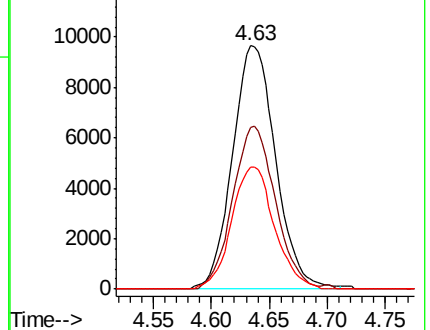
61 49.7 37.0 55.4

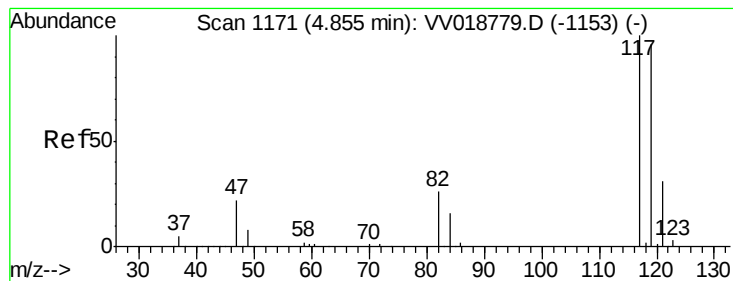


Abundance Ion 97.00 (96.70 to 97.70): VV018779.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV018779.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV018779.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 0.957 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.22 min

Lab File: VV018783.D

Acq: 09 Oct 2020 00:38

Instrument :

MSVOA_V

ClientSampled :

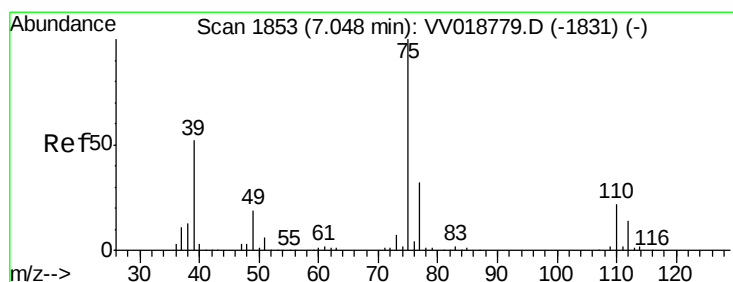
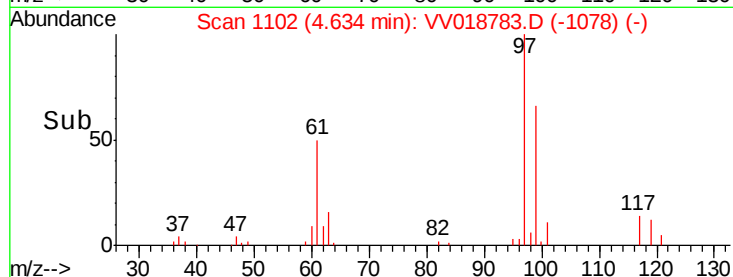
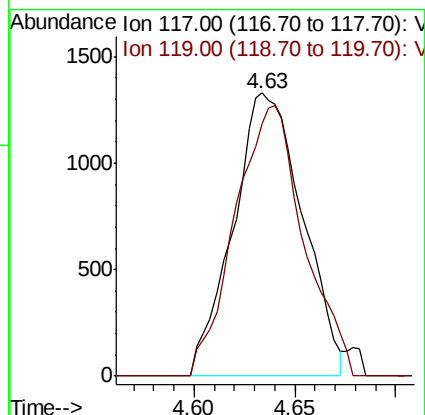
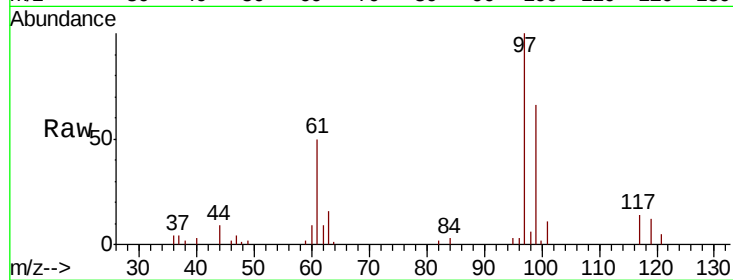
BG3P2DL

Tot Ion:117 Resp: 3181

Ion Ratio Lower Upper

117 100

119 94.8 76.3 114.5



#39

cis-1,3-Dichloropropene

Concen: 1.265 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018783.D

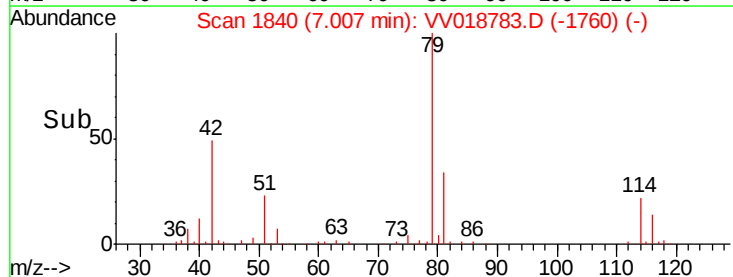
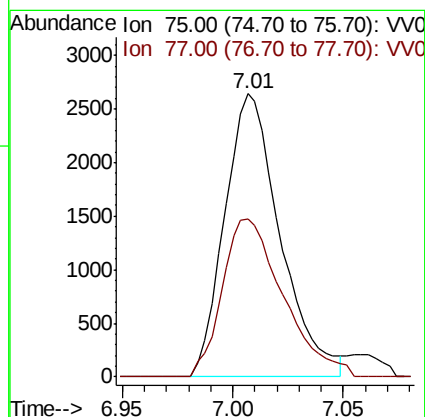
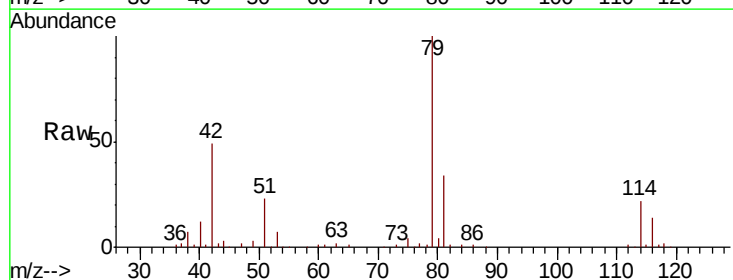
Acq: 09 Oct 2020 00:38

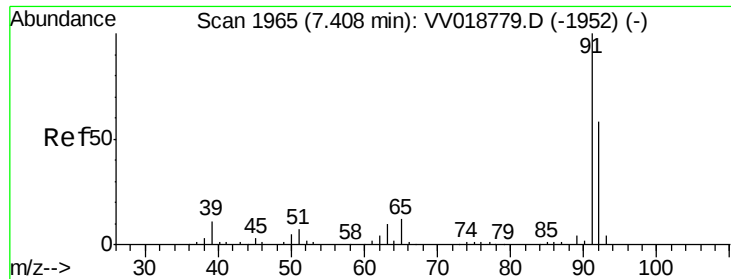
Tgt Ion: 75 Resp: 4610

Ion Ratio Lower Upper

75 100

77 55.7 21.8 40.6#





#42

Toluene

Concen: 47.368 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018783.D

Acq: 09 Oct 2020 00:38

Instrument :

MSVOA_V

ClientSampleId :

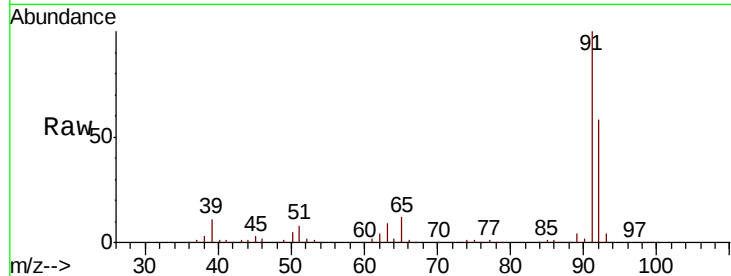
BG3P2DL

Tot Ion: 91 Resp: 456749

Ion Ratio Lower Upper

91 100

92 58.3 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV018779.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV018783.D (-2105) (-)

7.41

250000

200000

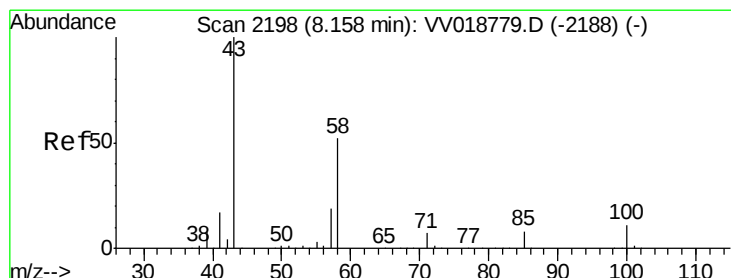
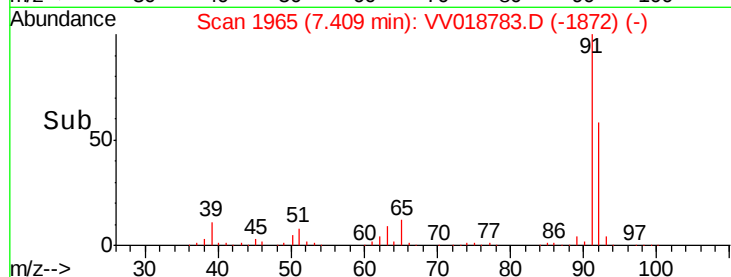
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#48

2-Hexanone

Concen: 5.003 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV018783.D

Acq: 09 Oct 2020 00:38

Tgt Ion: 43 Resp: 13235

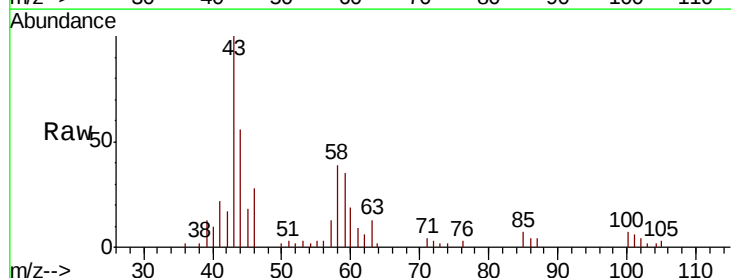
Ion Ratio Lower Upper

43 100

58 42.5 41.8 62.8

57 1.2 14.9 22.3#

100 7.3 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VV018779.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV018783.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV018783.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV018783.D (-2105) (-)

8.16

12000

10000

8000

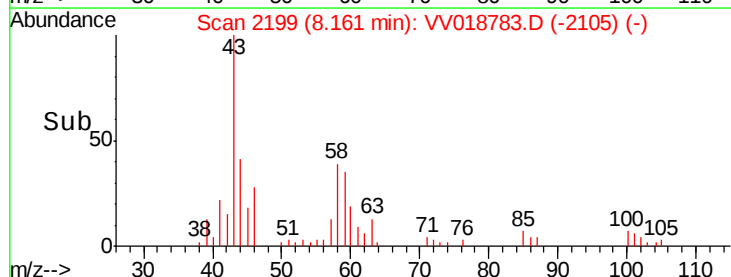
6000

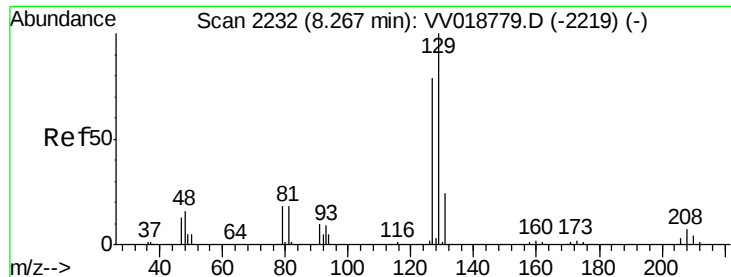
4000

2000

0

Time--> 8.15 8.20





#49

Dibromochloromethane

Concen: 0.814 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. -0.26 min

Lab File: VV018783.D

Acq: 09 Oct 2020 00:38

Instrument :

MSVOA_V

ClientSampled :

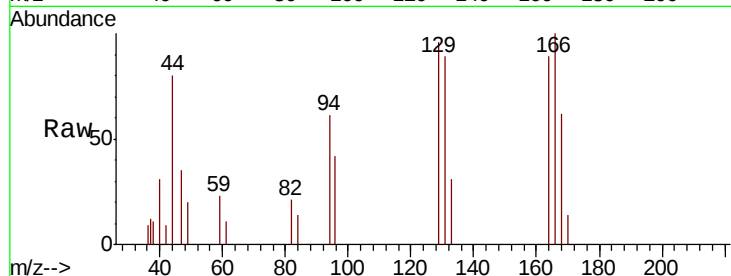
BG3P2DL

Tot Ion:129 Resp: 2061

Ion Ratio Lower Upper

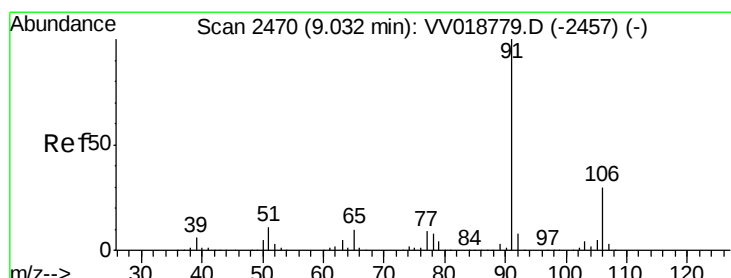
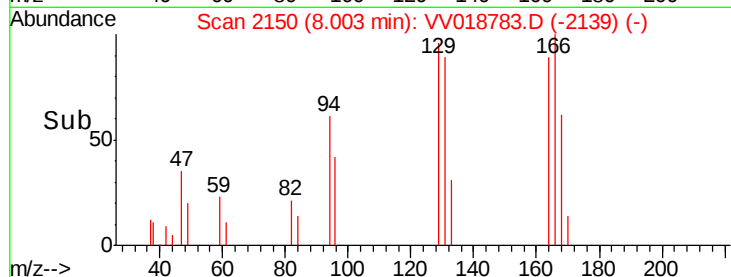
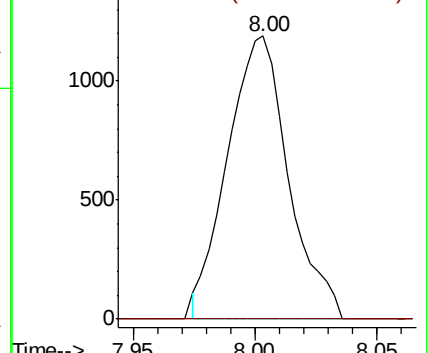
129 100

127 0.0 55.3 102.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#52

Ethylbenzene

Concen: 1.052 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV018783.D

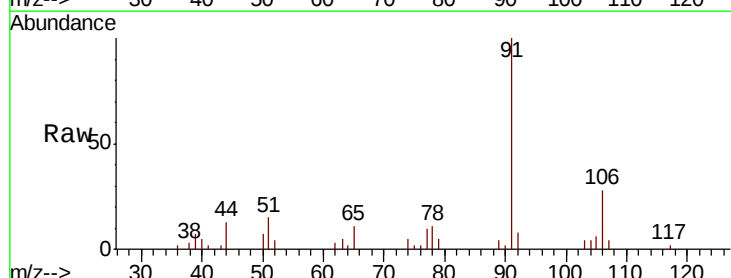
Acq: 09 Oct 2020 00:38

Tgt Ion: 91 Resp: 11521

Ion Ratio Lower Upper

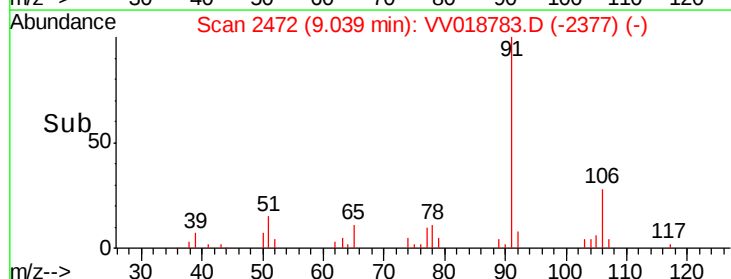
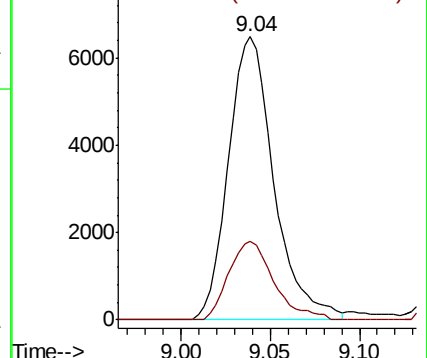
91 100

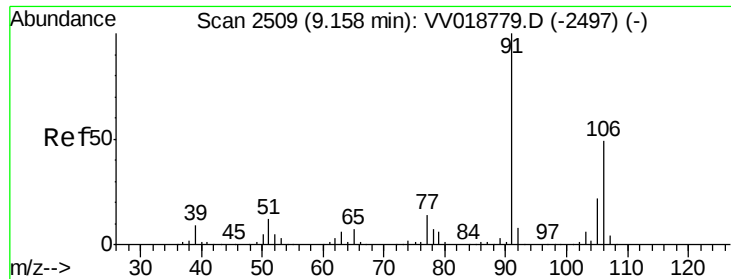
106 27.6 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 3.748 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018783.D

Acq: 09 Oct 2020 00:38

Instrument :

MSVOA_V

ClientSampleId :

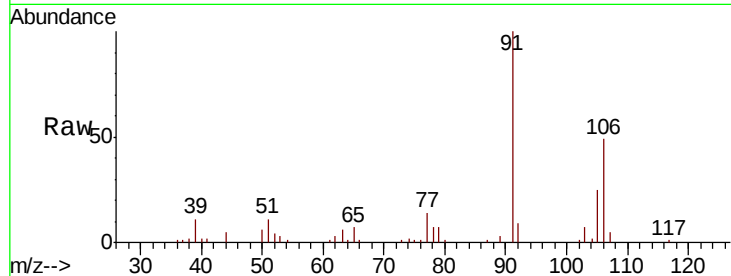
BG3P2DL

Tot Ion:106 Resp: 15066

Ion Ratio Lower Upper

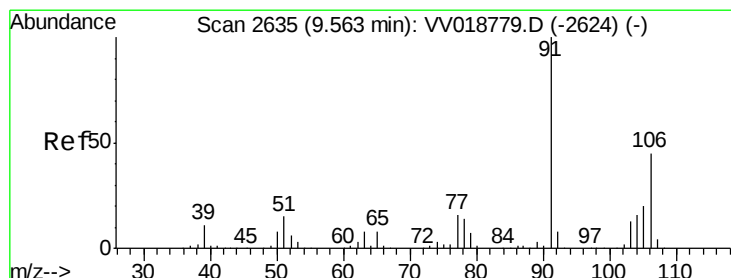
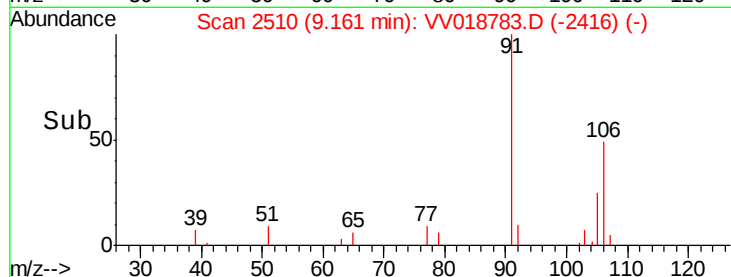
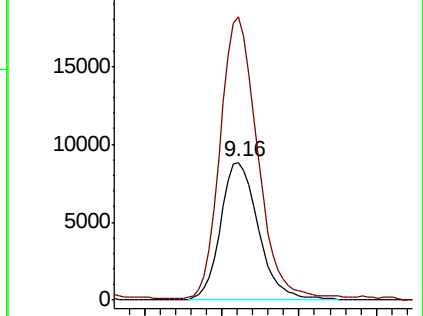
106 100

91 205.4 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 2.134 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018783.D

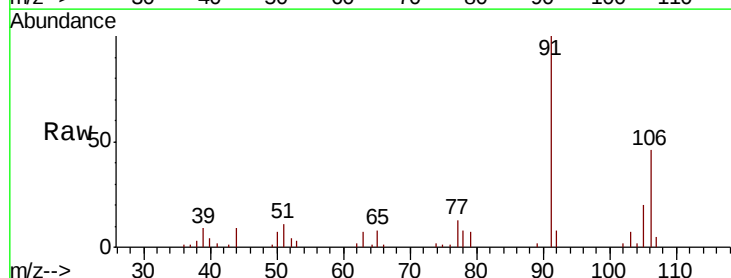
Acq: 09 Oct 2020 00:38

Tgt Ion:106 Resp: 8146

Ion Ratio Lower Upper

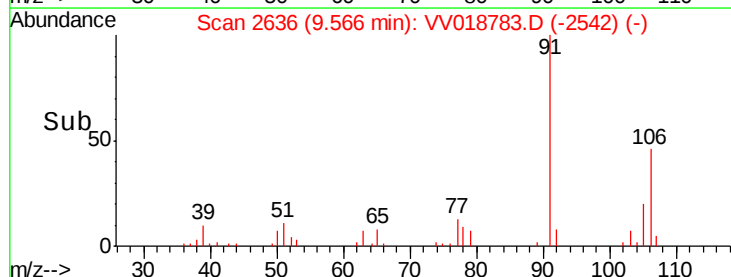
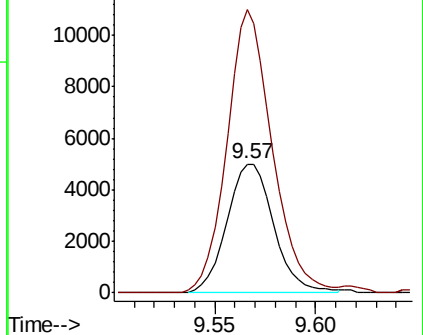
106 100

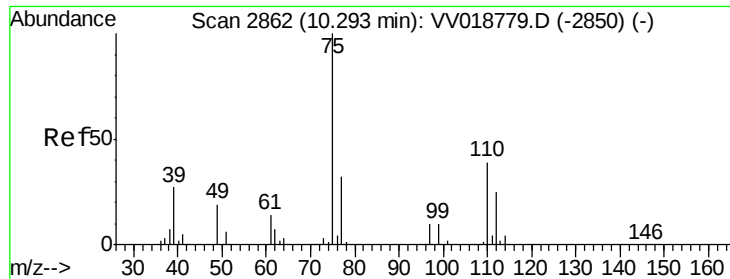
91 219.8 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

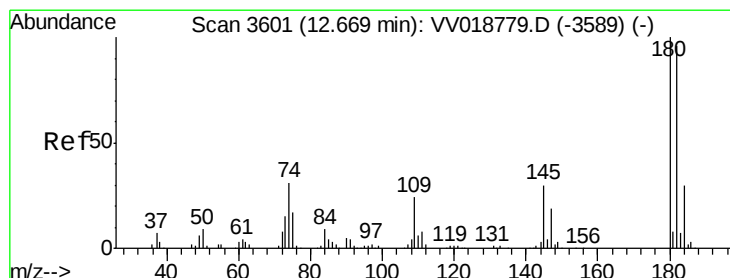
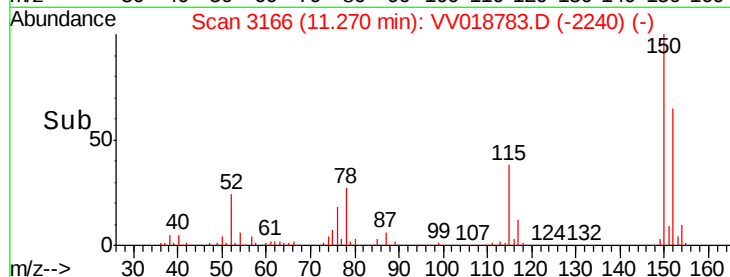
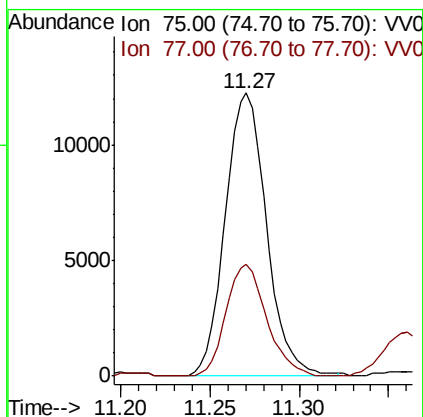
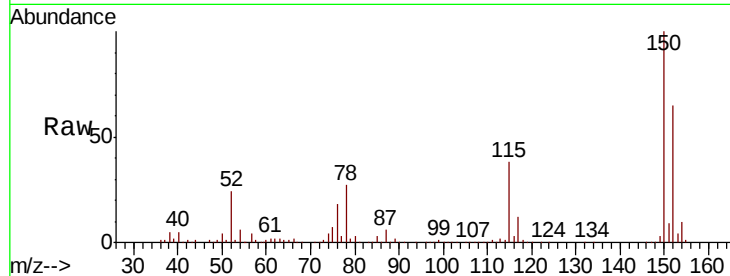




#59
 1,2,3-Trichloropropane
 Concen: 6.439 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV018783.D
 Acq: 09 Oct 2020 00:38

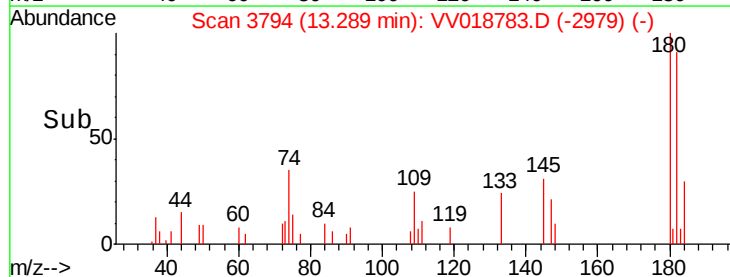
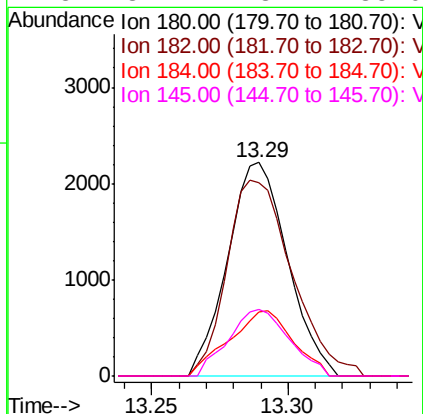
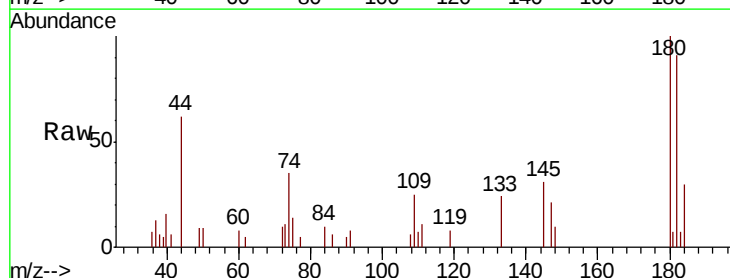
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P2DL

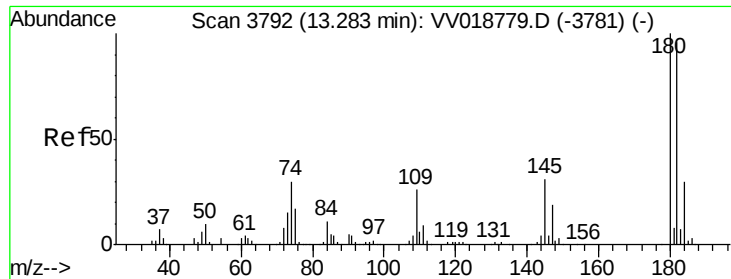
Tot Ion: 75 Resp: 19756
 Ion Ratio Lower Upper
 75 100
 77 38.7 25.9 38.9



#67
 1,3,5-Trichlorobenzene
 Concen: 0.999 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.62 min
 Lab File: VV018783.D
 Acq: 09 Oct 2020 00:38

Tgt Ion: 180 Resp: 3383
 Ion Ratio Lower Upper
 180 100
 182 99.8 77.0 115.6
 184 32.2 24.6 37.0
 145 31.7 23.4 35.0

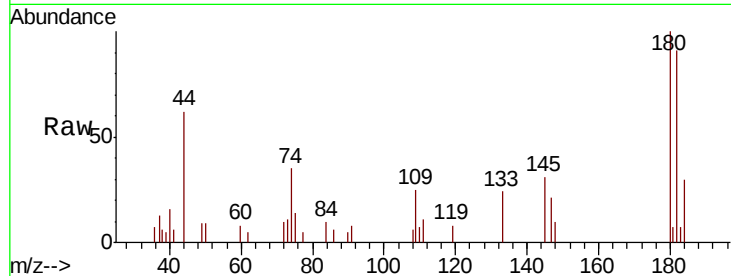




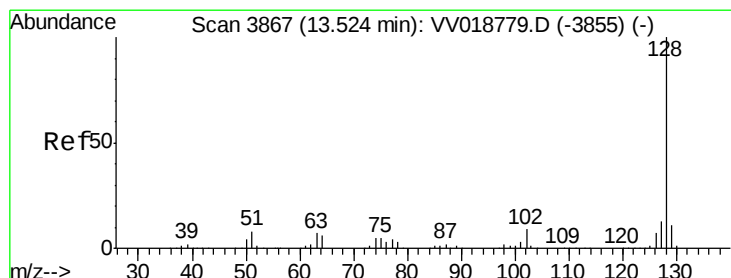
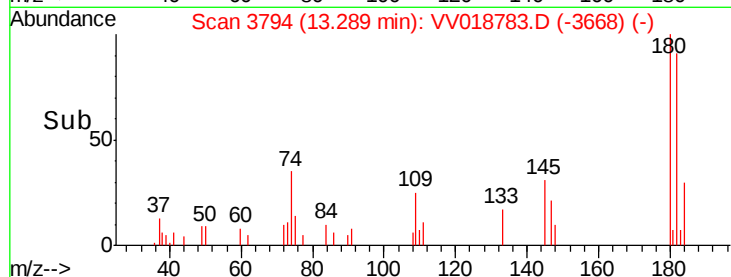
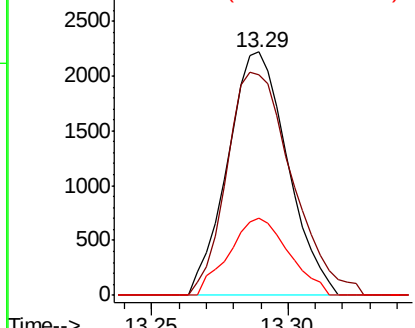
#68
 1,2,4-trichlorobenzene
 Concen: 1.062 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018783.D
 Acq: 09 Oct 2020 00:38

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3P2DL

Tot Ion:180 Resp: 3383
 Ion Ratio Lower Upper
 180 100
 182 99.8 76.7 115.1
 145 31.7 24.0 36.0

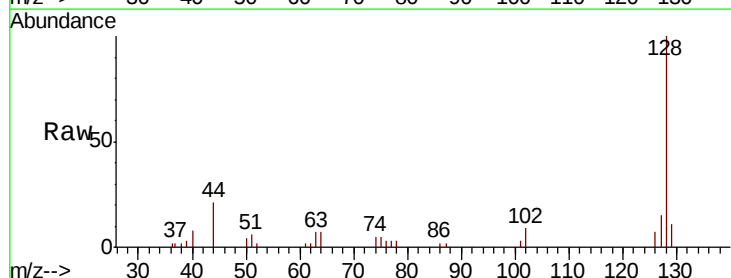


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#69
 Naphthalene
 Concen: 1.218 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV018783.D
 Acq: 09 Oct 2020 00:38

Tgt Ion:128 Resp: 10924
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 11.3 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

