

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018782.D
 Acq On : 09 Oct 2020 00:14
 Operator : SY/MD
 Sample : L4239-08DL 500X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3N9DL

Quant Time: Oct 09 07:32:47 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	333032	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	320028	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	154713	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	134408	44.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.84%
7) Chloroethane-d5	1.58	69	112699	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.54%
11) 1,1-Dichloroethene-d2	2.12	63	203681	34.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.82%
21) 2-Butanone-d5	3.90	46	182320	98.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.13%
24) Chloroform-d	4.37	84	240021	44.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.92%
26) 1,2-Dichloroethane-d4	5.06	65	174437	48.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.40%
32) Benzene-d6	5.07	84	512602	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.54%
36) 1,2-Dichloropropane-d6	6.09	67	148038	44.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.16%
41) Toluene-d8	7.34	98	405797	44.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.78%
43) trans-1,3-Dichloropropene-	7.64	79	72112	43.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.86%
47) 2-Hexanone-d5	8.11	63	100722	85.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.57%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	174668	45.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.42%
64) 1,2-Dichlorobenzene-d4	11.65	152	165065	48.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.42%

Target Compounds

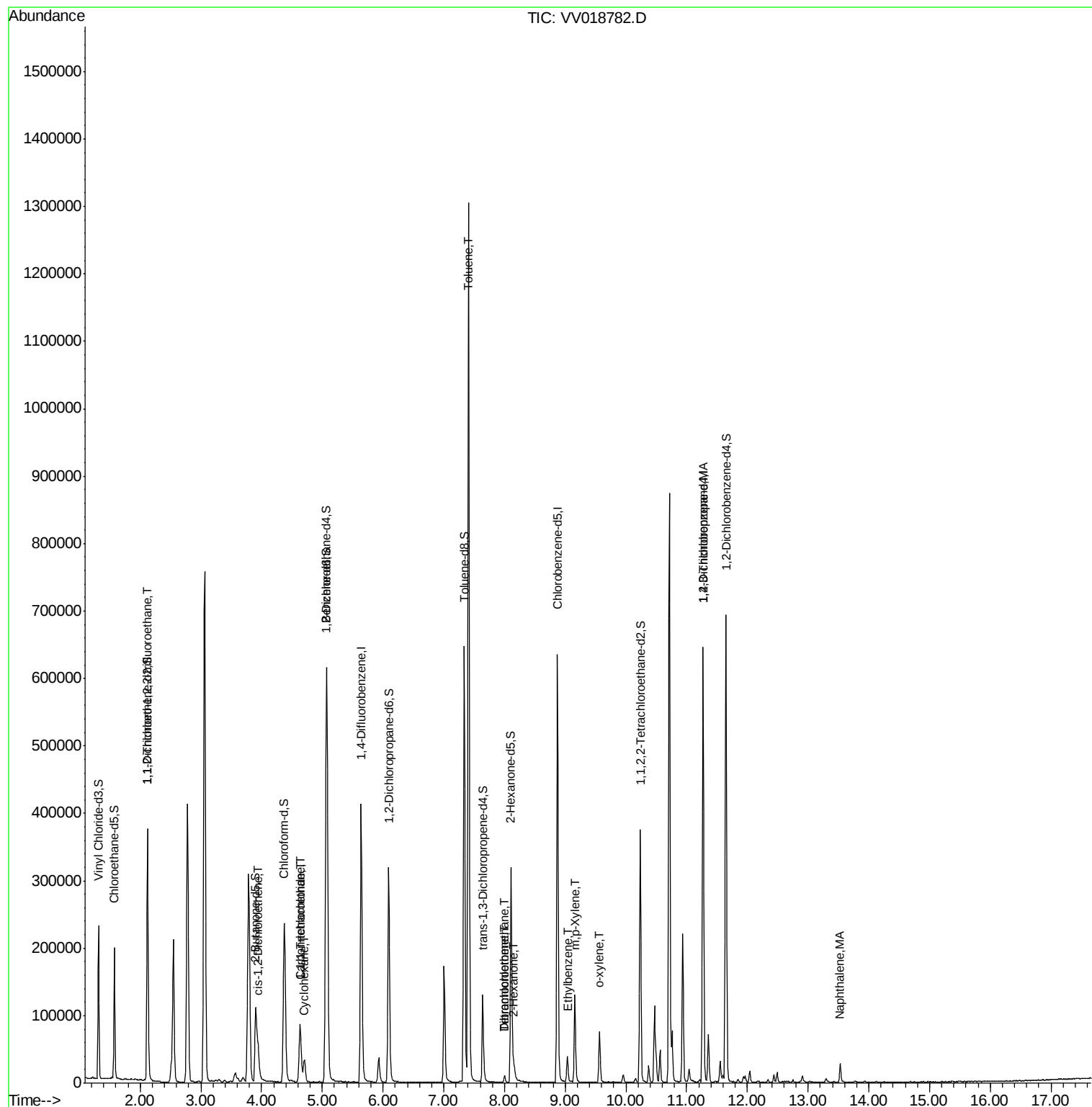
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1774	0.741	ug/L #	31
20) cis-1,2-Dichloroethene	3.95	96	18706	7.275	ug/L	98
29) Cyclohexane	4.71	56	17476	4.509	ug/L	95
30) 1,1,1-Trichloroethane	4.63	97	68642	16.093	ug/L	100
31) Carbon tetrachloride	4.63	117	8283	2.304	ug/L	98
42) Toluene	7.41	91	889599	85.303	ug/L	99
46) Tetrachloroethene	7.99	164	2236	1.044	ug/L	90
48) 2-Hexanone	8.16	43	11973	4.185	ug/L #	81
49) Dibromochloromethane	8.00	129	2121	0.775	ug/L #	10
52) Ethylbenzene	9.04	91	27160	2.293	ug/L	98
53) m,p-Xylene	9.16	106	35294	8.119	ug/L	97
54) o-xylene	9.57	106	18883	4.574	ug/L	94
59) 1,2,3-Trichloropropane	11.27	75	20255	6.104	ug/L	89
69) Naphthalene	13.53	128	22683	2.621	ug/L	99

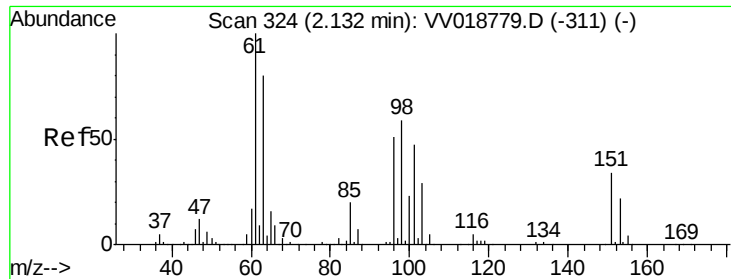
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
Data File : VV018782.D
Acq On : 09 Oct 2020 00:14
Operator : SY/MD
Sample : L4239-08DL 500X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BG3N9DL

Quant Time: Oct 09 07:32:47 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





#10

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

Concen: 0.741 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018782.D

Acq: 09 Oct 2020 00:14

Instrument :

MSVOA_V

ClientSampleId :

BG3N9DL

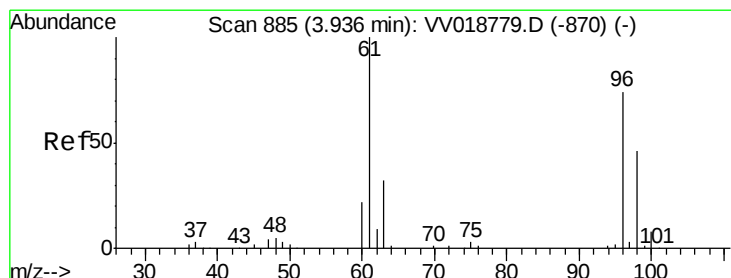
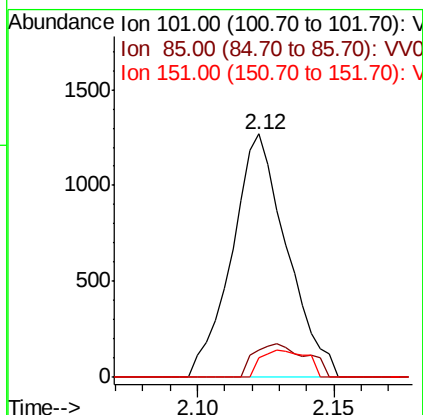
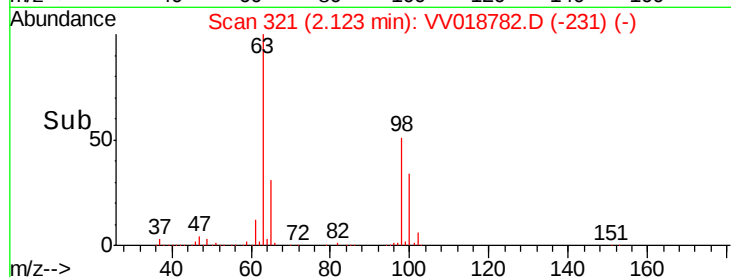
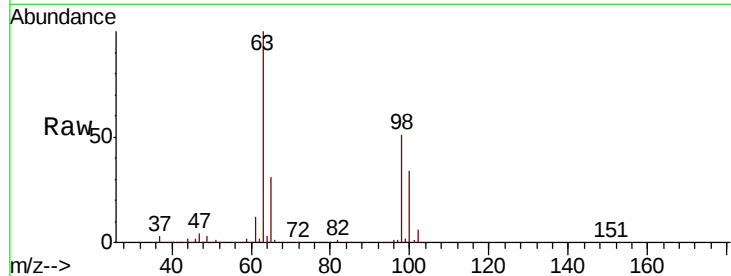
Tot Ion:101 Resp: 1774

Ion Ratio Lower Upper

101 100

85 10.7 35.9 53.9#

151 8.1 59.8 89.8#



#20

cis-1,2-Dichloroethene

Concen: 7.275 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV018782.D

Acq: 09 Oct 2020 00:14

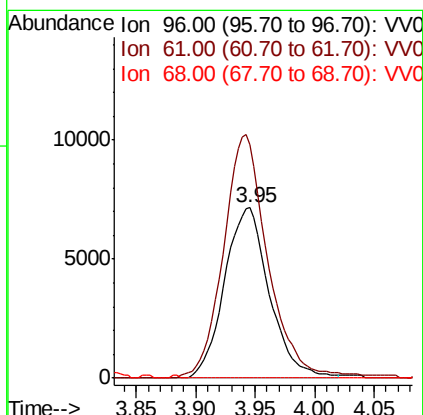
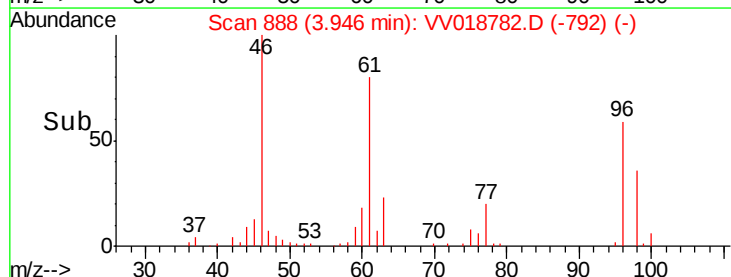
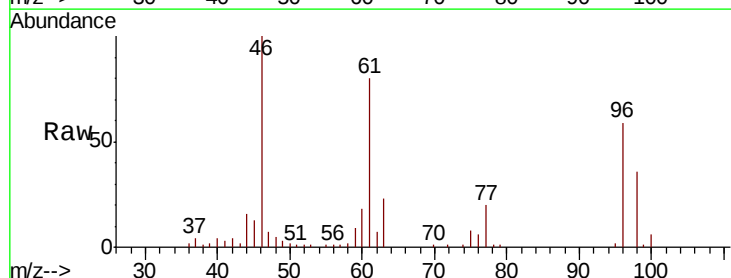
Tgt Ion: 96 Resp: 18706

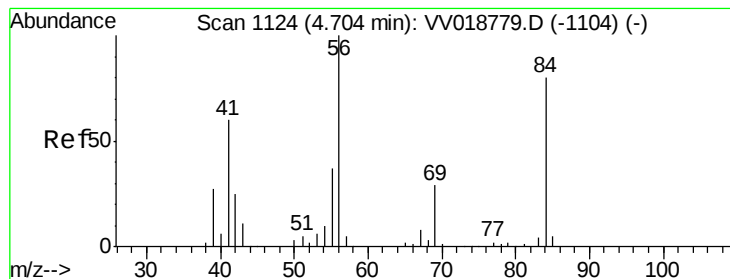
Ion Ratio Lower Upper

96 100

61 136.7 97.3 180.7

68 0.0 0.0 0.0





#29

Cyclohexane

Concen: 4.509 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018782.D

Acq: 09 Oct 2020 00:14

Instrument :

MSVOA_V

ClientSampleId :

BG3N9DL

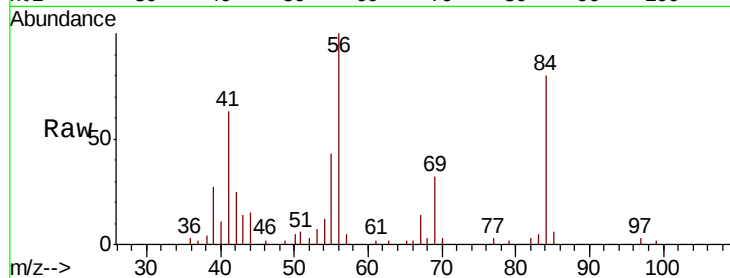
Tot Ion: 56 Resp: 17476

Ion Ratio Lower Upper

56 100

69 30.2 23.1 34.7

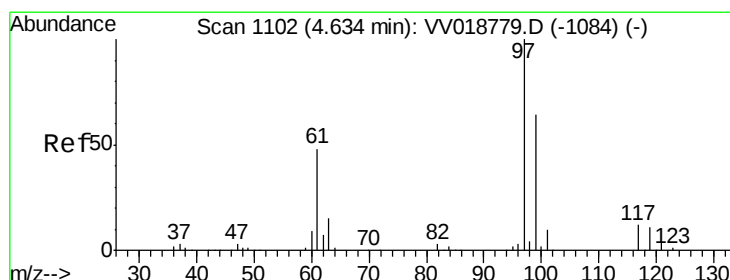
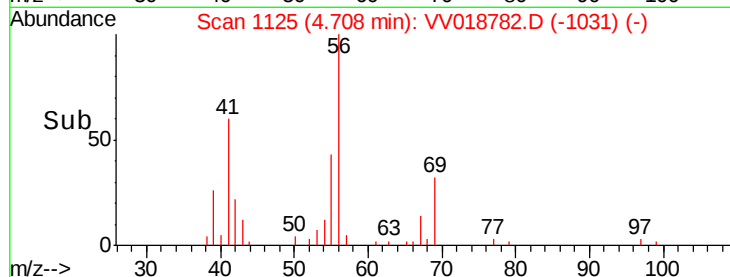
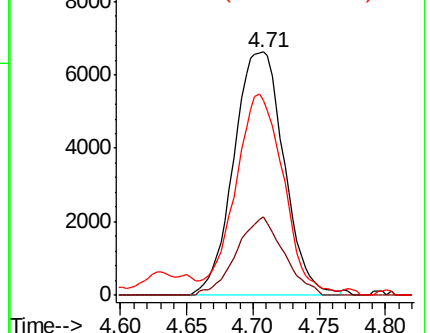
84 75.7 65.2 97.8



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: 16.093 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018782.D

Acq: 09 Oct 2020 00:14

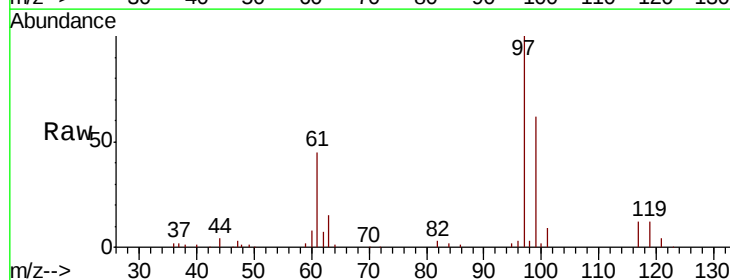
Tgt Ion: 97 Resp: 68642

Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.4

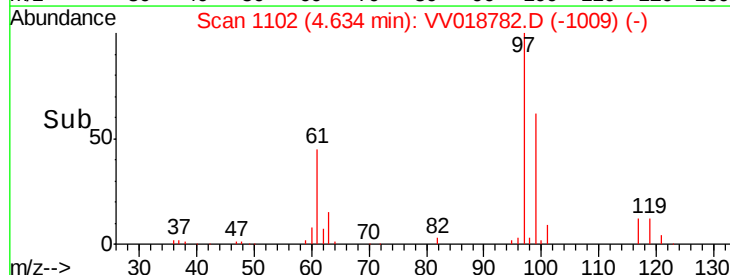
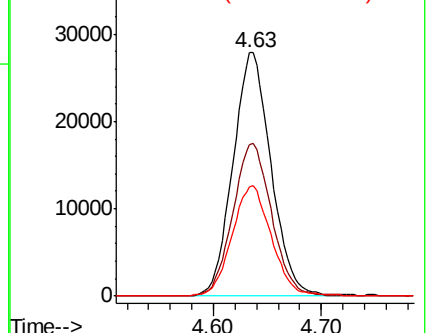
61 46.6 37.0 55.4

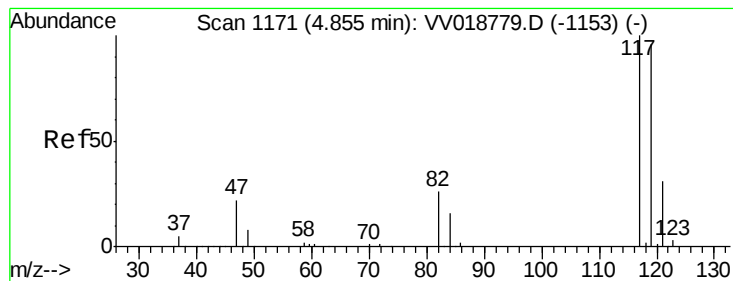


Abundance Ion 97.00 (96.70 to 97.70): VV018779.D (-1084) (-)

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: 2.304 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.23 min

Lab File: VV018782.D

Acq: 09 Oct 2020 00:14

Instrument :

MSVOA_V

ClientSampleId :

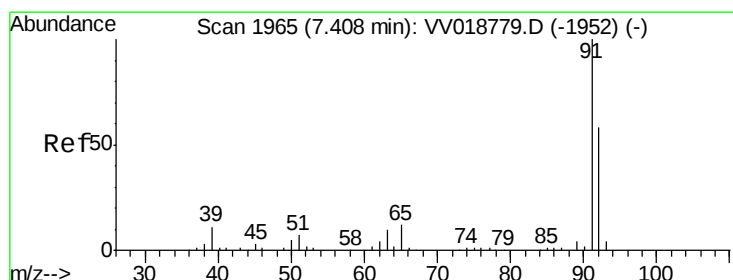
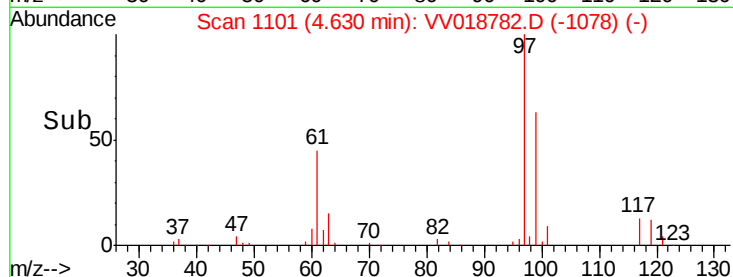
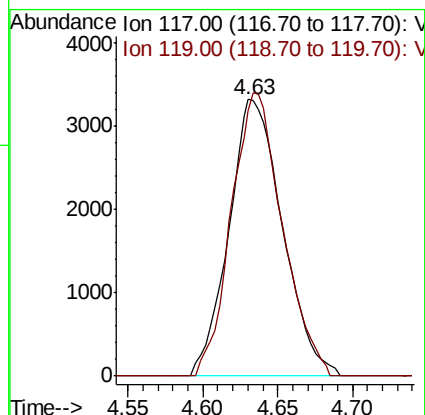
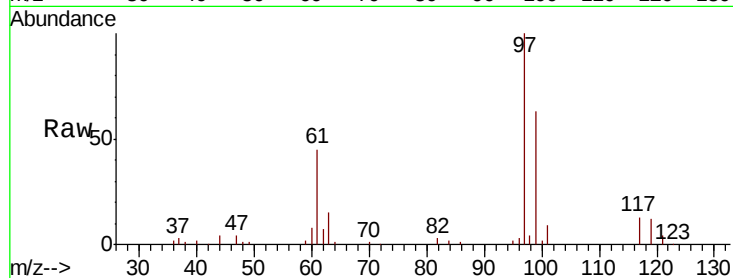
BG3N9DL

Tot Ion:117 Resp: 8283

Ion Ratio Lower Upper

117 100

119 97.6 76.3 114.5



#42

Toluene

Concen: 85.303 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018782.D

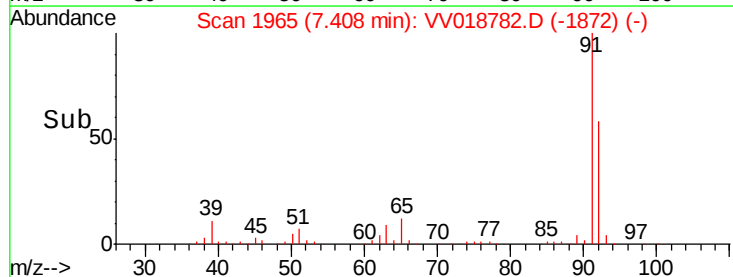
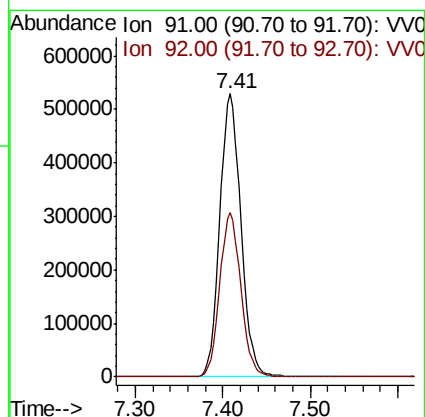
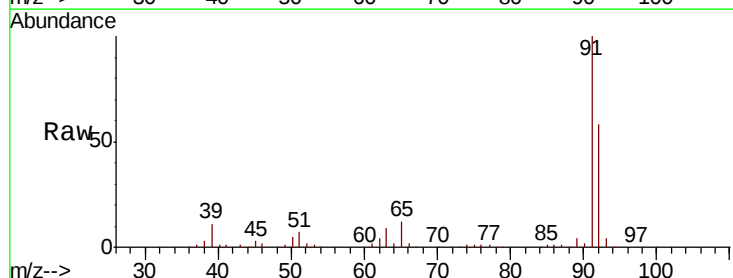
Acq: 09 Oct 2020 00:14

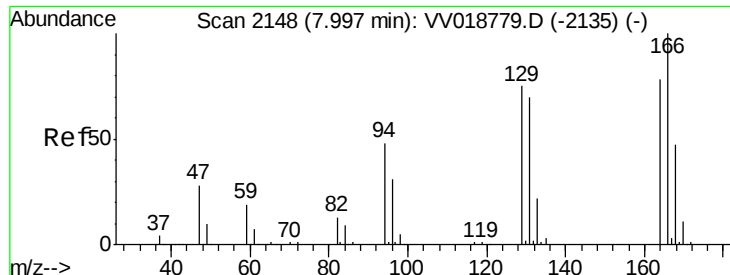
Tgt Ion: 91 Resp: 889599

Ion Ratio Lower Upper

91 100

92 58.0 39.8 74.0





#46

Tetrachloroethene

Concen: 1.044 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV018782.D

Acq: 09 Oct 2020 00:14

Instrument :

MSVOA_V

ClientSampleId :

BG3N9DL

Tot Ion:164 Resp: 2236

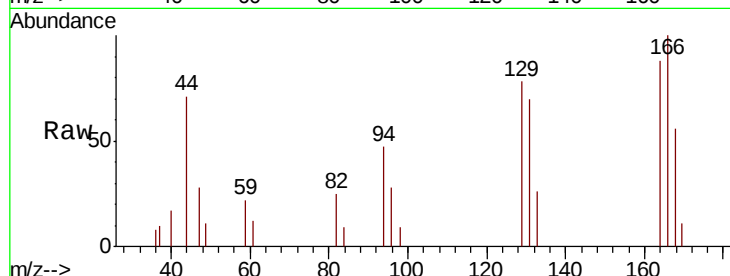
Ion Ratio Lower Upper

164 100

129 87.8 64.6 120.0

131 79.5 63.6 118.0

166 113.1 88.3 164.1

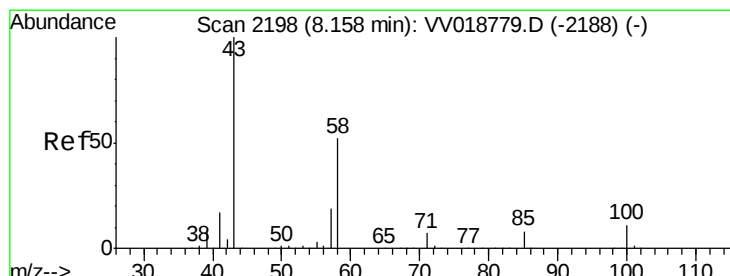
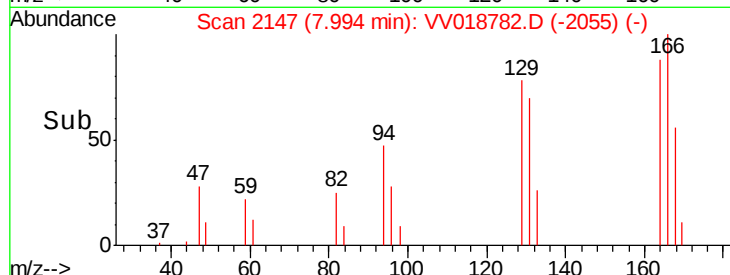
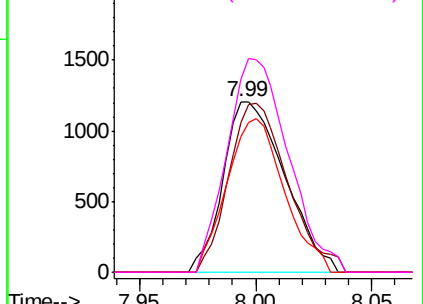


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 4.185 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV018782.D

Acq: 09 Oct 2020 00:14

Tgt Ion: 43 Resp: 11973

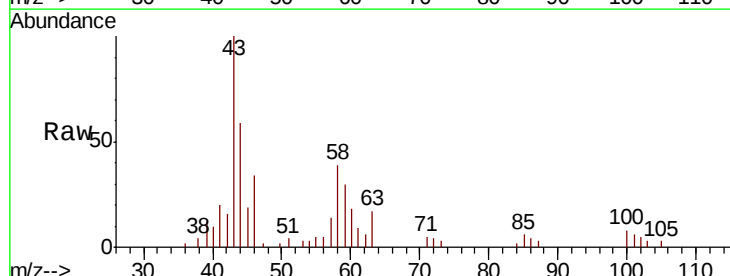
Ion Ratio Lower Upper

43 100

58 35.0 41.8 62.8#

57 14.7 14.9 22.3#

100 6.8 9.2 13.8#

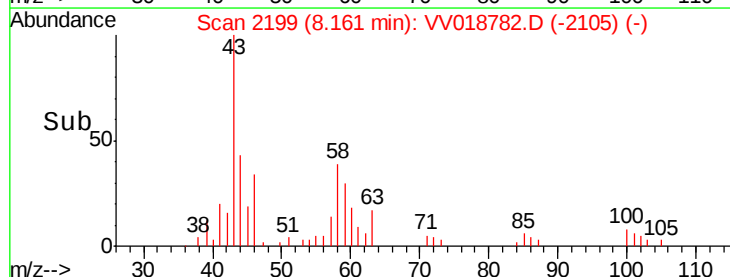
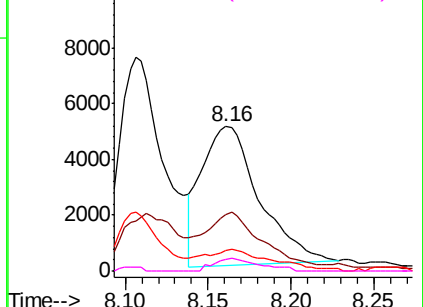


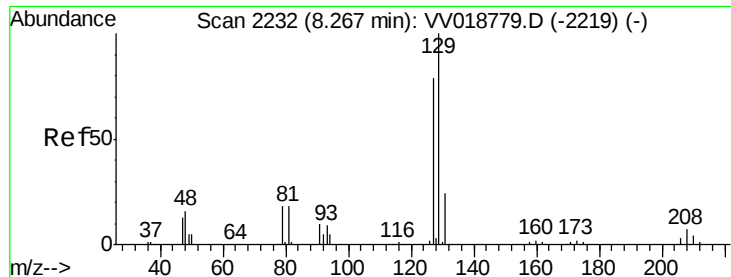
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 0.775 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV018782.D

Acq: 09 Oct 2020 00:14

Instrument :

MSVOA_V

ClientSampleId :

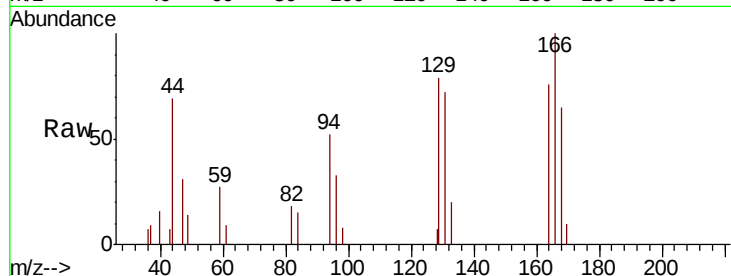
BG3N9DL

Tot Ion:129 Resp: 2121

Ion Ratio Lower Upper

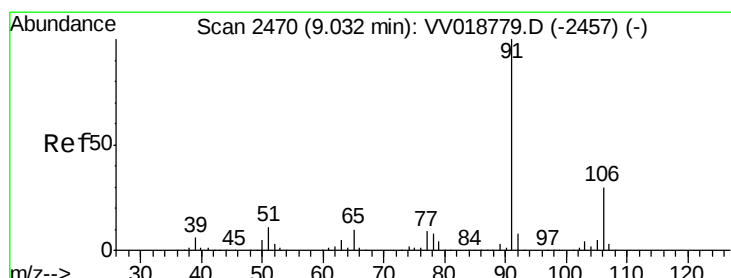
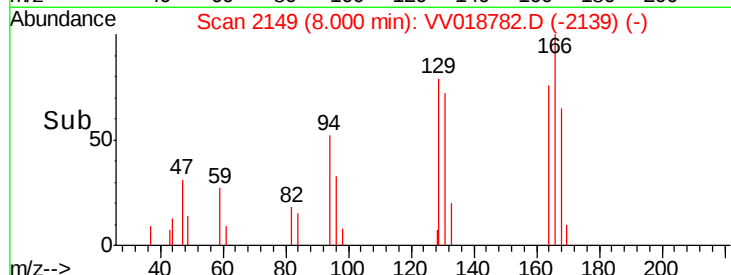
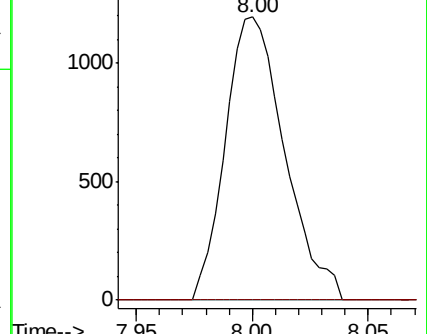
129 100

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: 2.293 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018782.D

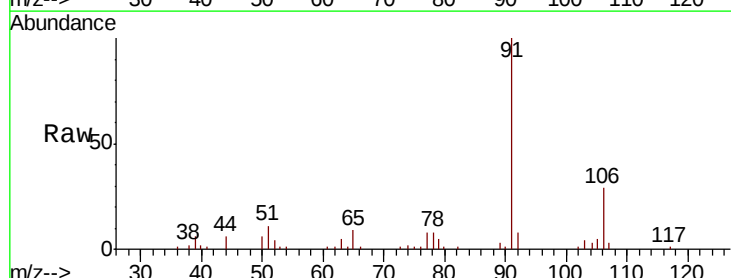
Acq: 09 Oct 2020 00:14

Tgt Ion: 91 Resp: 27160

Ion Ratio Lower Upper

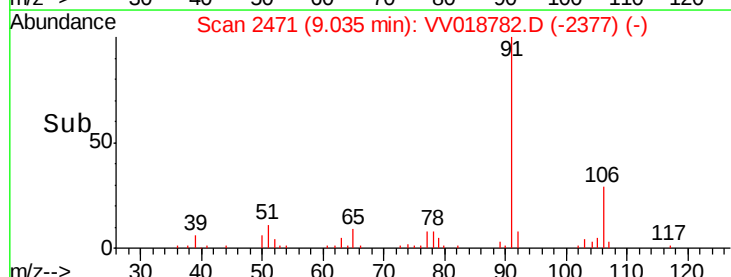
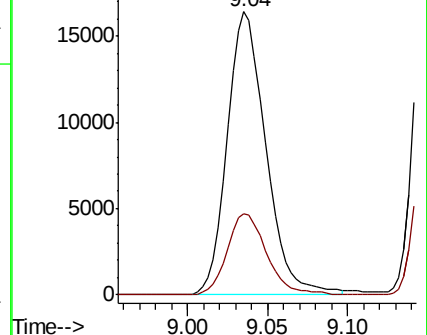
91 100

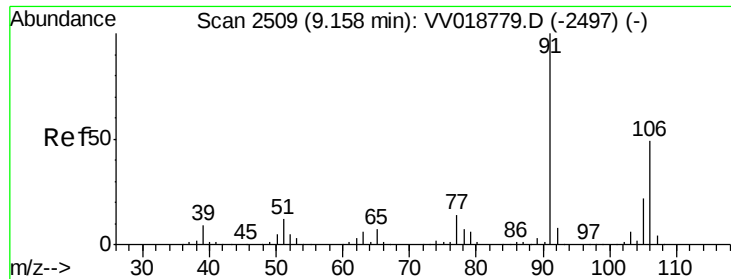
106 28.8 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 8.119 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018782.D

Acq: 09 Oct 2020 00:14

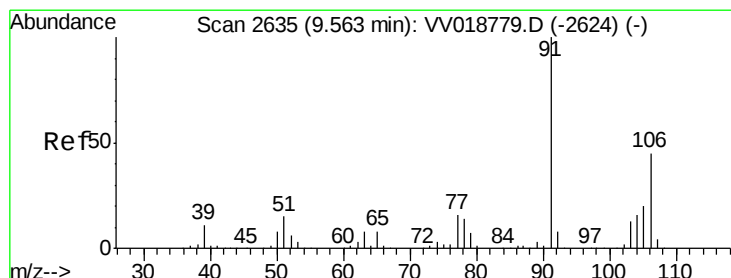
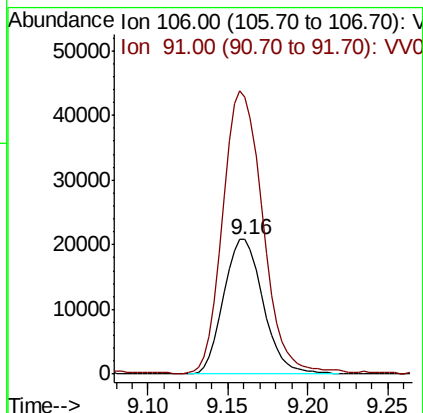
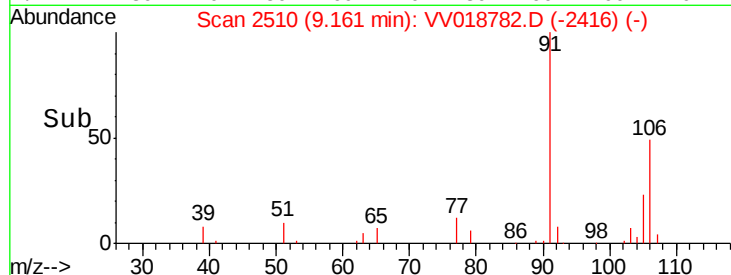
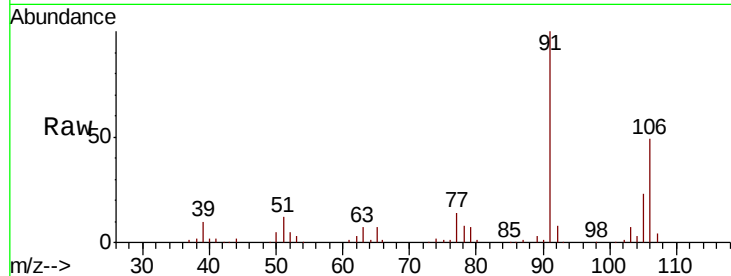
Instrument :
MSVOA_V
ClientSampled :
BG3N9DL

Tot Ion:106 Resp: 35294

Ion Ratio Lower Upper

106 100

91 206.1 147.1 273.1



#54

o-xylene

Concen: 4.574 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018782.D

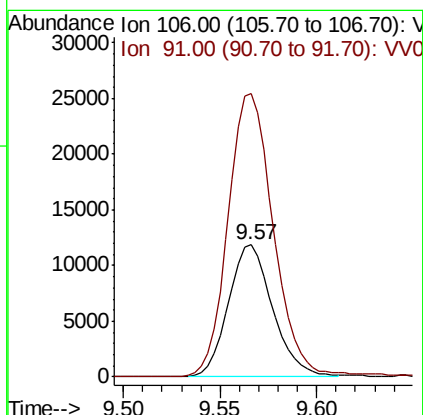
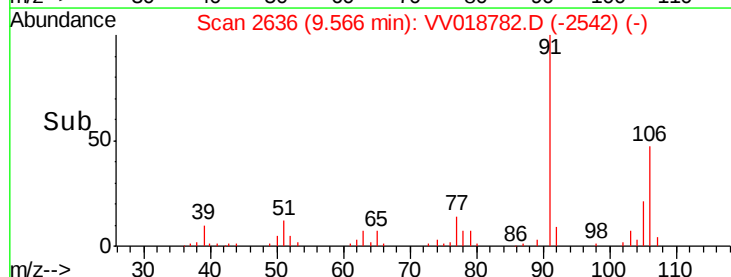
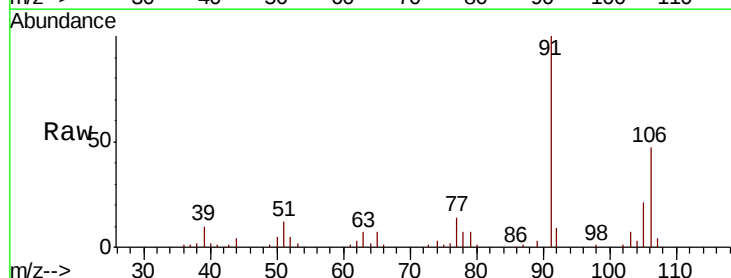
Acq: 09 Oct 2020 00:14

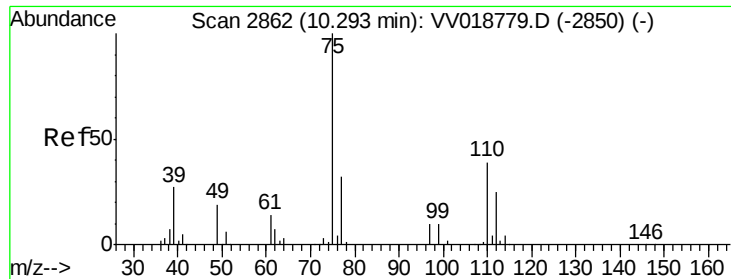
Tgt Ion:106 Resp: 18883

Ion Ratio Lower Upper

106 100

91 214.1 156.8 291.2





#59

1,2,3-Trichloropropane

Concen: 6.104 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018782.D

Acq: 09 Oct 2020 00:14

Instrument :

MSVOA_V

ClientSampled :

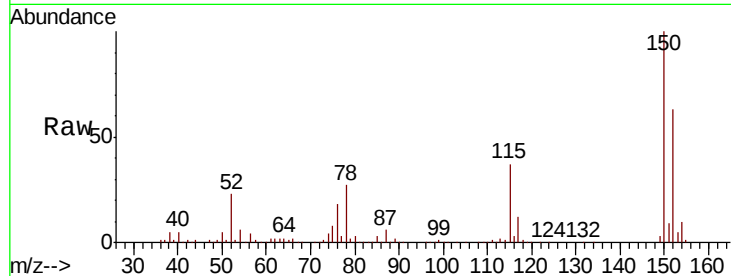
BG3N9DL

Tot Ion: 75 Resp: 20255

Ion Ratio Lower Upper

75 100

77 38.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV018779.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018779.D (-2850) (-)

11.27

15000

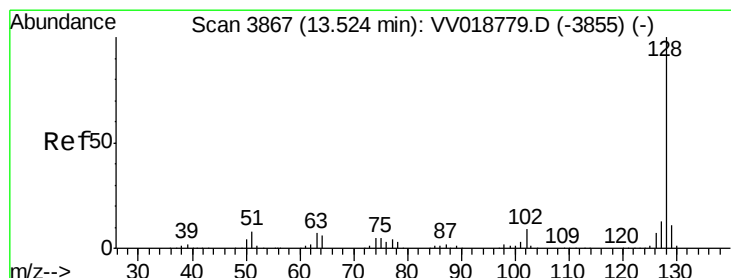
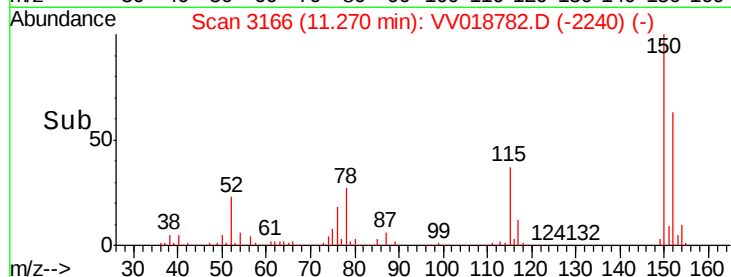
10000

5000

0

Time-->

11.20 11.25 11.30 11.35



#69

Naphthalene

Concen: 2.621 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV018782.D

Acq: 09 Oct 2020 00:14

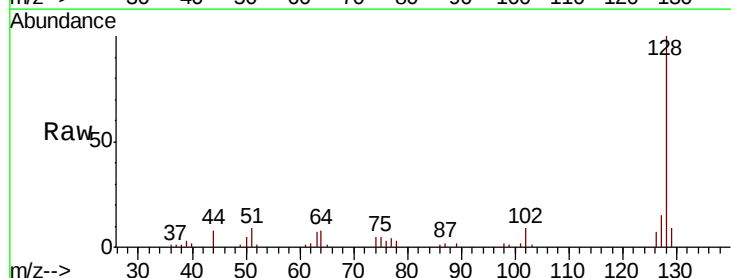
Tgt Ion: 128 Resp: 22683

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VV018779.D (-3855) (-)

Ion 127.00 (126.70 to 127.70): VV018779.D (-3855) (-)

Ion 129.00 (128.70 to 129.70): VV018779.D (-3855) (-)

13.53

15000

10000

5000

0

Time-->

13.45 13.50 13.55 13.60

