

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018522.D
 Acq On : 29 Sep 2020 17:30
 Operator : SY/MD
 Sample : L4109-15DL 20X
 Misc : 5.87g/10.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X4DL

Quant Time: Sep 30 01:51:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 01:47:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	393864	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	378937	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	209597	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99730	43.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.34%
7) Chloroethane-d5	1.58	69	82561	43.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.46%
11) 1,1-Dichloroethene-d2	2.12	63	149153	31.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.38%
21) 2-Butanone-d5	3.91	46	162055	94.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.05%
24) Chloroform-d	4.38	84	212733	42.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.18%
26) 1,2-Dichloroethane-d4	5.06	65	143228	45.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.34%
32) Benzene-d6	5.07	84	439749	45.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.64%
36) 1,2-Dichloropropane-d6	6.09	67	135761	46.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.62%
41) Toluene-d8	7.34	98	409178	45.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.62%
43) trans-1,3-Dichloropropene-	7.64	79	68855	43.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.90%
47) 2-Hexanone-d5	8.11	63	109118	99.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	178880	46.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.04%
64) 1,2-Dichlorobenzene-d4	11.65	152	184751	45.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.66%

Target Compounds

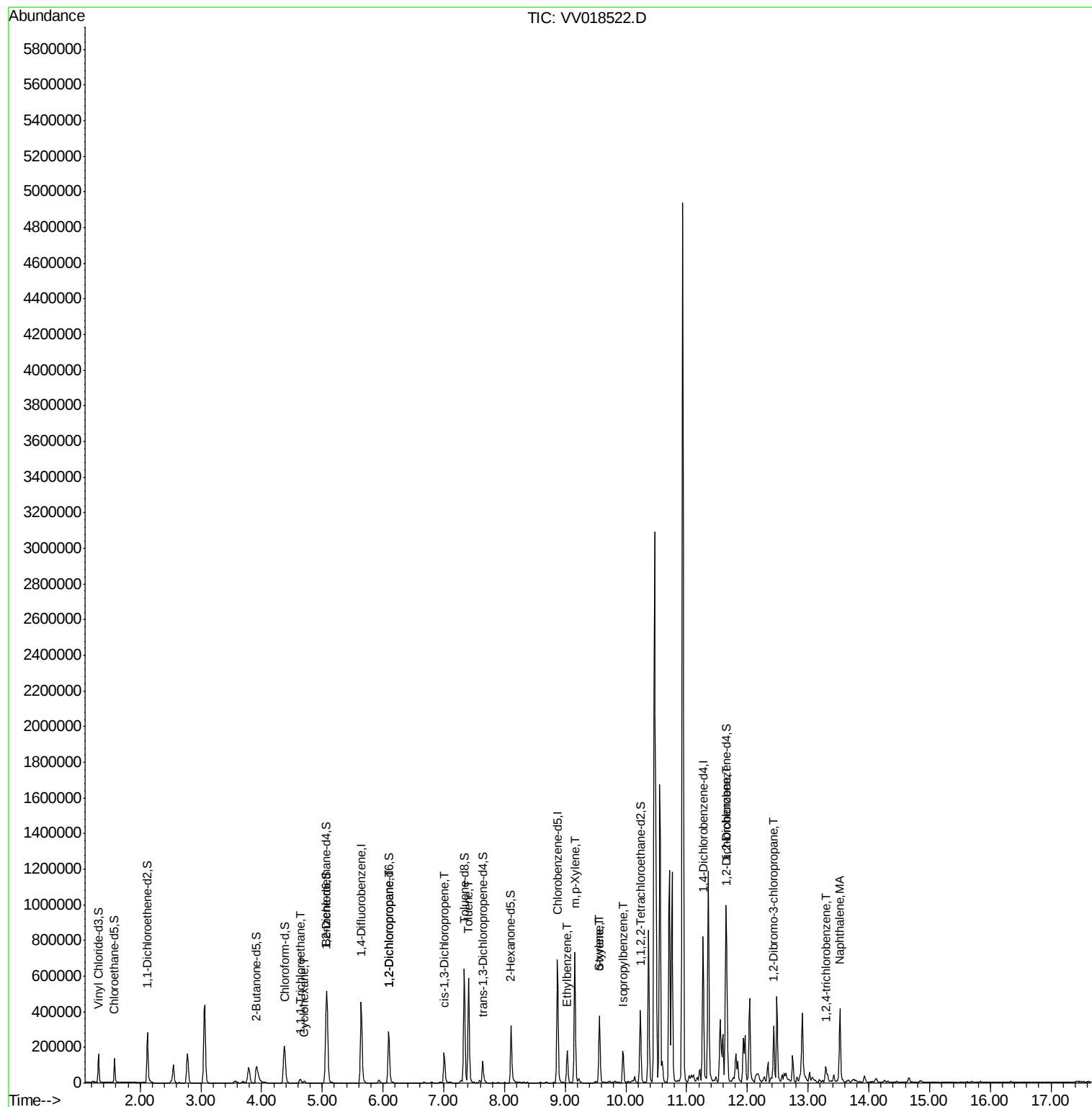
					Ovalue
29) Cyclohexane	4.71	56	4312	0.998 ug/L	93
30) 1,1,1-Trichloroethane	4.63	97	18759	3.988 ug/L	98
37) 1,2-Dichloropropane	6.10	63	15342	5.371 ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	4045	0.903 ug/L	89
42) Toluene	7.41	91	421769	35.021 ug/L	99
52) Ethylbenzene	9.03	91	121821	9.058 ug/L	98
53) m,p-Xylene	9.16	106	205816	39.597 ug/L	98
54) o-xylene	9.57	106	101457	20.617 ug/L	93
55) Styrene	9.57	104	5043	0.589 ug/L #	1
56) Isopropylbenzene	9.95	105	114266	8.658 ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	5339	0.796 ug/L #	88
66) 1,2-Dibromo-3-chloropropan	12.43	75	1286	1.404 ug/L #	1
68) 1,2,4-trichlorobenzene	13.29	180	3773	0.863 ug/L #	88
69) Naphthalene	13.52	128	316186	25.263 ug/L	100

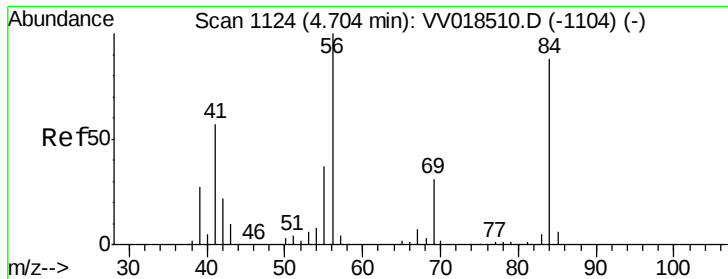
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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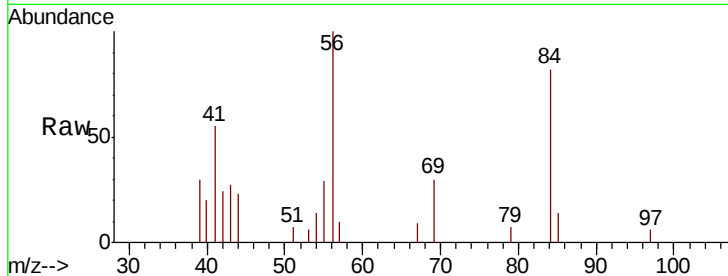




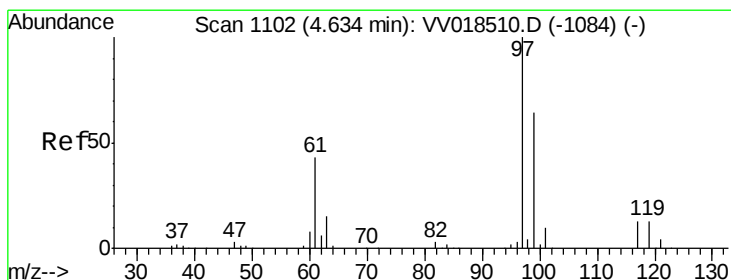
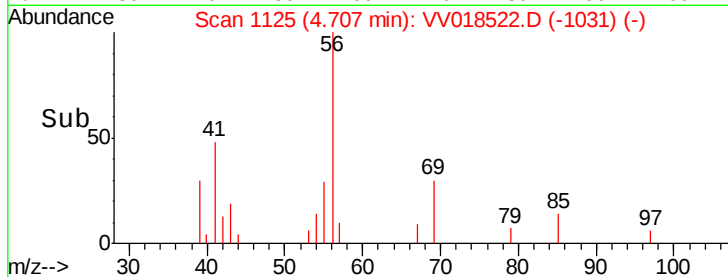
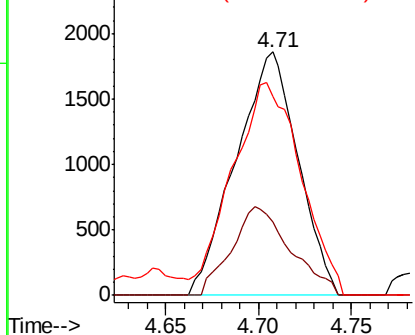
#29
Cvclohexane
Concen: 0.998 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VV018522.D
Acq: 29 Sep 2020 17:30

Instrument :
MSVOA_V
ClientSampleId :
BG3X4DL

Tot Ion: 56 Resp: 4312
Ion Ratio Lower Upper
56 100
69 34.7 24.8 37.2
84 97.1 72.2 108.4

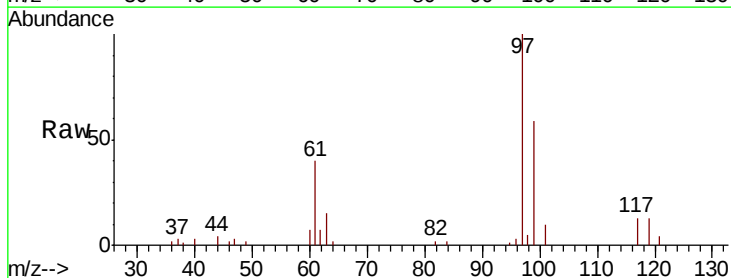


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

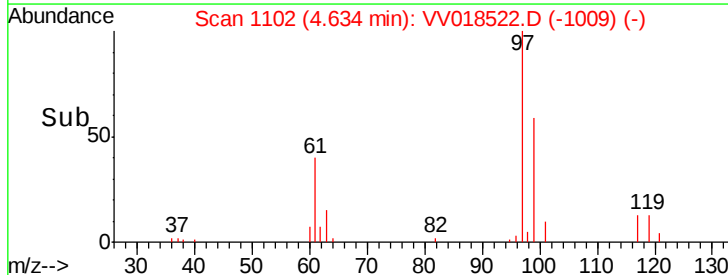
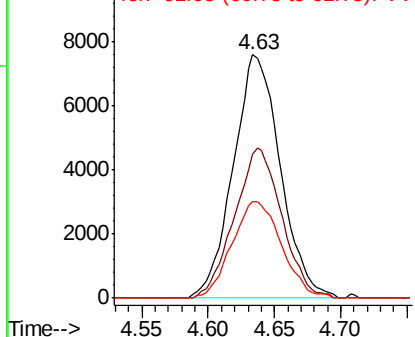


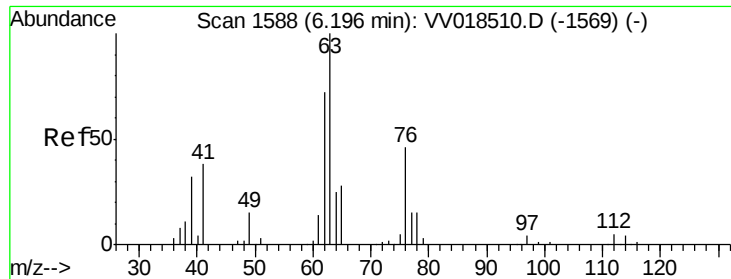
#30
1,1,1-Trichloroethane
Concen: 3.988 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV018522.D
Acq: 29 Sep 2020 17:30

Tgt Ion: 97 Resp: 18759
Ion Ratio Lower Upper
97 100
99 62.0 51.4 77.0
61 41.6 33.9 50.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

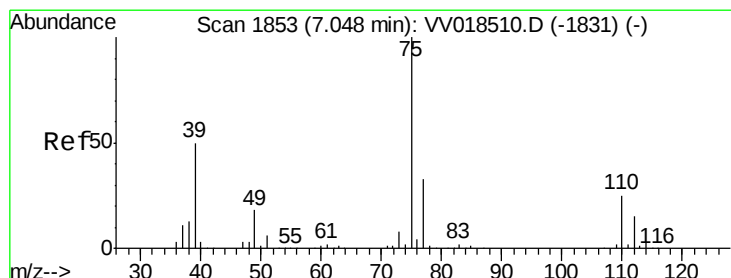
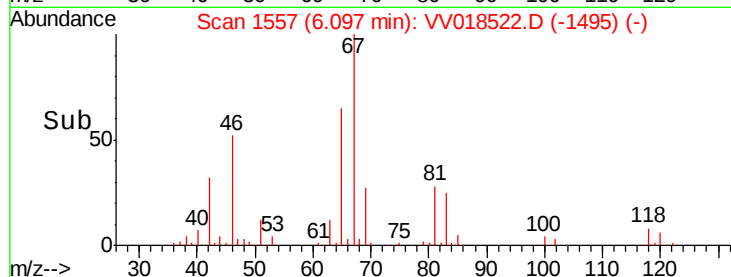
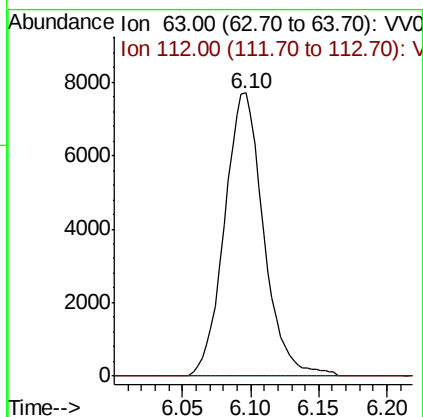
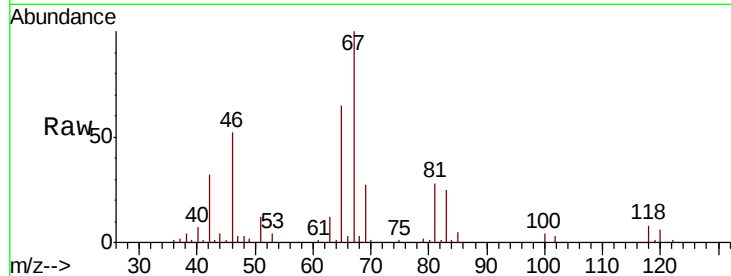




#37
 1,2-Dichloropropane
 Concen: 5.371 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV018522.D
 Acq: 29 Sep 2020 17:30

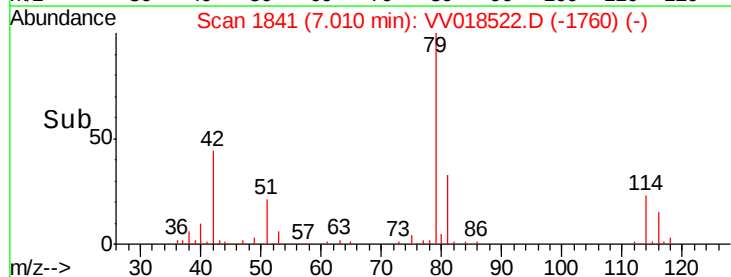
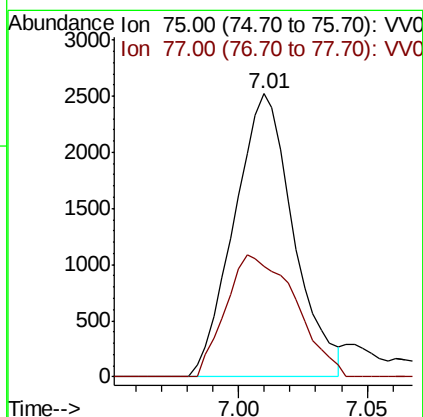
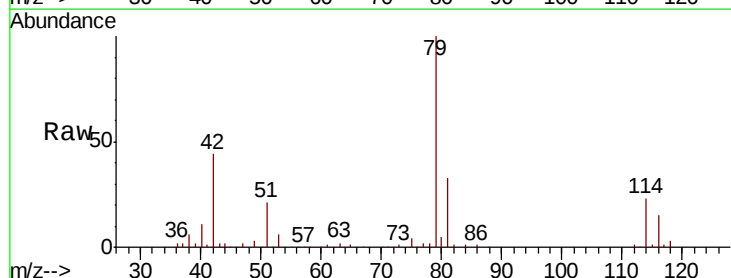
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3X4DL

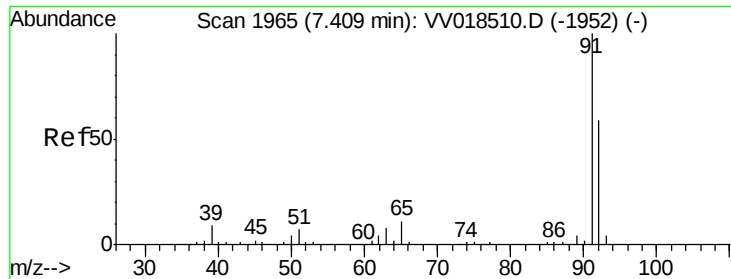
Tot Ion: 63 Resp: 15342
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.9 5.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.903 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018522.D
 Acq: 29 Sep 2020 17:30

Tgt Ion: 75 Resp: 4045
 Ion Ratio Lower Upper
 75 100
 77 38.9 23.0 42.6





#42

Toluene

Concen: 35.021 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018522.D

Acq: 29 Sep 2020 17:30

Instrument :

MSVOA_V

ClientSampled :

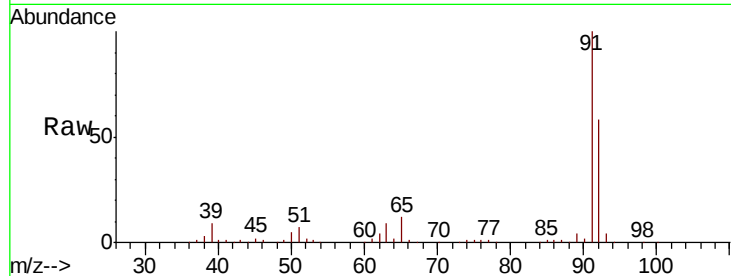
BG3X4DL

Tot Ion: 91 Resp: 421769

Ion Ratio Lower Upper

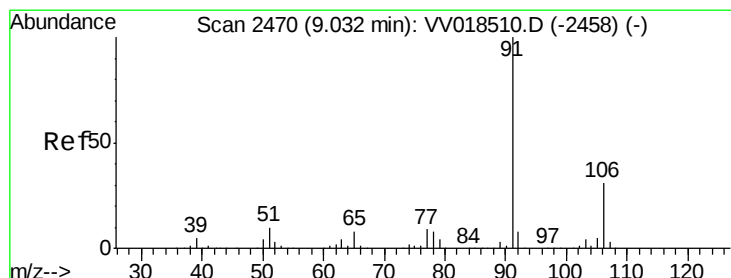
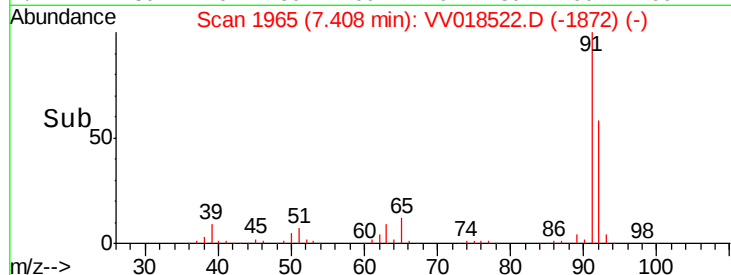
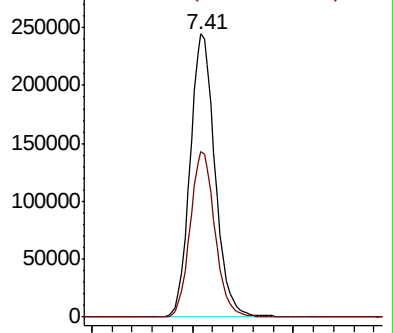
91 100

92 58.4 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#52

Ethylbenzene

Concen: 9.058 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018522.D

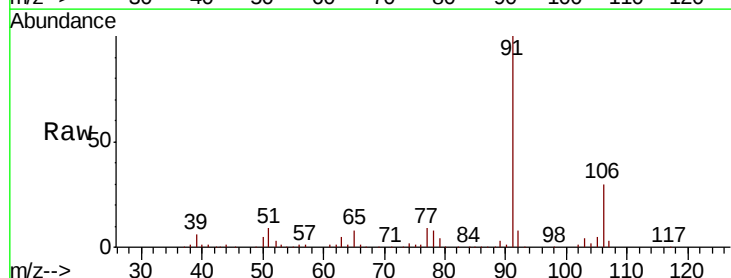
Acq: 29 Sep 2020 17:30

Tgt Ion: 91 Resp: 121821

Ion Ratio Lower Upper

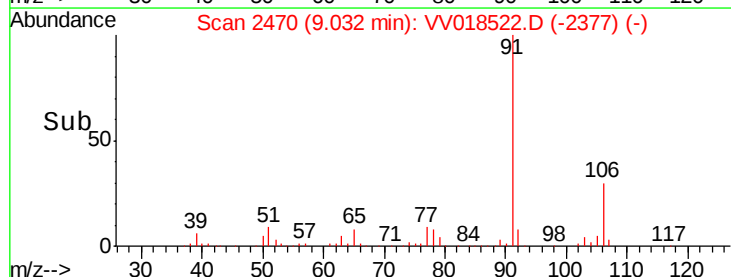
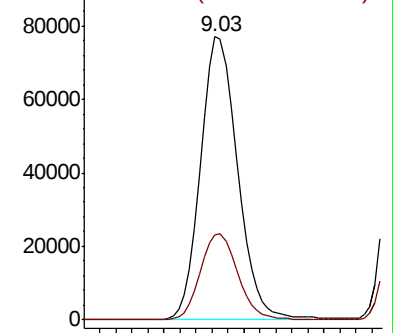
91 100

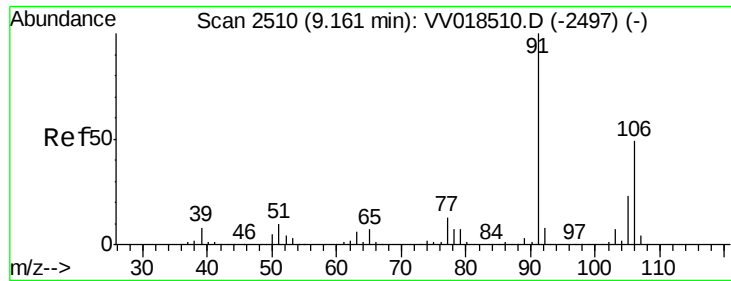
106 30.2 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 39.597 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018522.D

Acq: 29 Sep 2020 17:30

Instrument :

MSVOA_V

ClientSampleId :

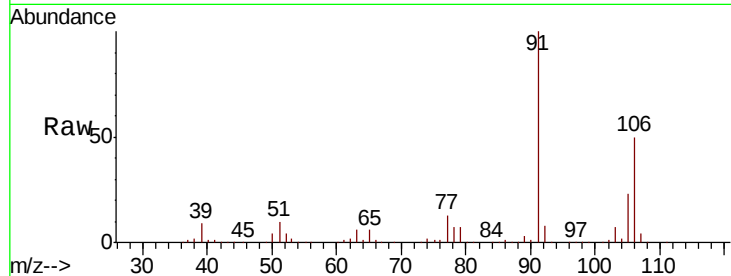
BG3X4DL

Tot Ion:106 Resp: 205816

Ion Ratio Lower Upper

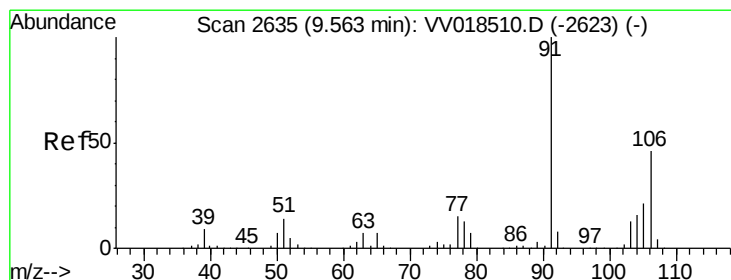
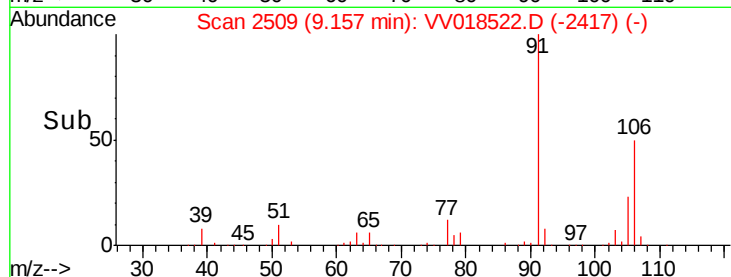
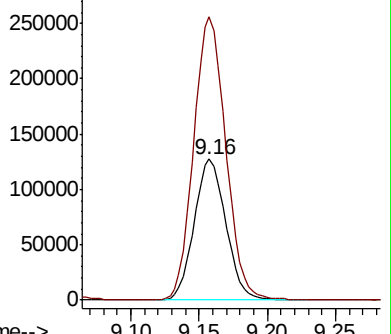
106 100

91 200.7 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 20.617 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018522.D

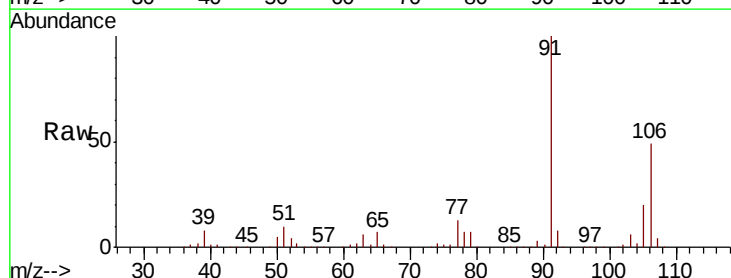
Acq: 29 Sep 2020 17:30

Tgt Ion:106 Resp: 101457

Ion Ratio Lower Upper

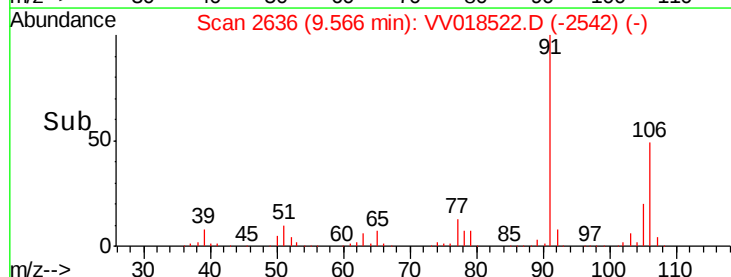
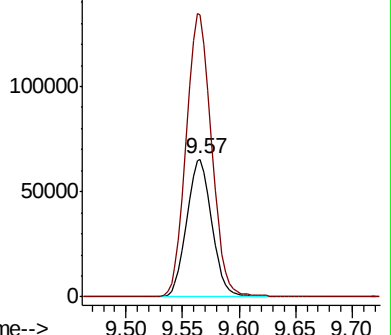
106 100

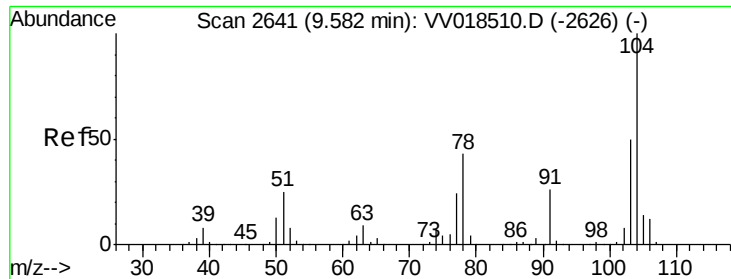
91 204.4 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 0.589 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.02 min

Lab File: VV018522.D

Acq: 29 Sep 2020 17:30

Instrument :

MSVOA_V

ClientSampled :

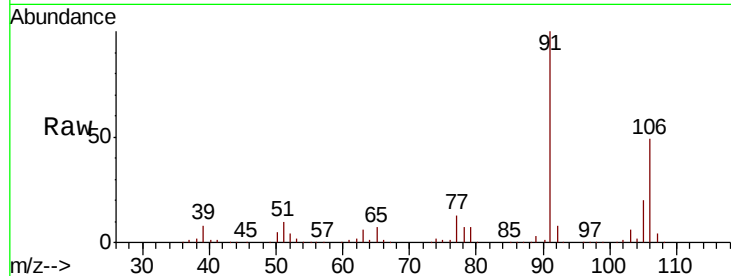
BG3X4DL

Tot Ion:104 Resp: 5043

Ion Ratio Lower Upper

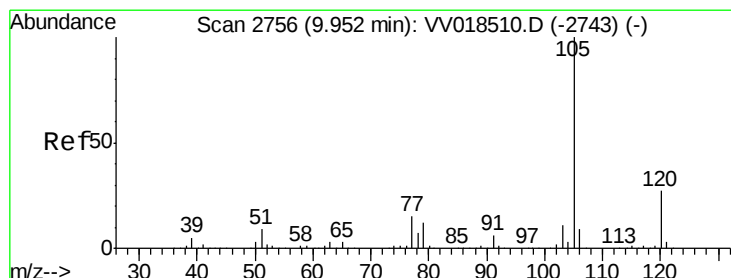
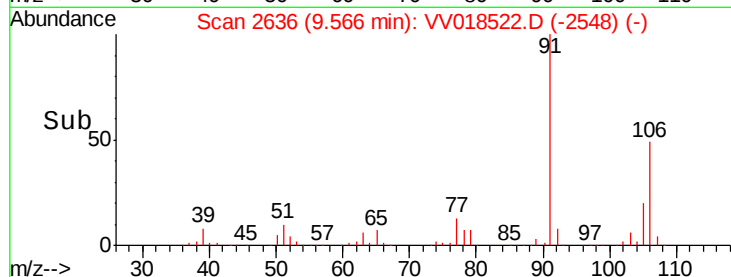
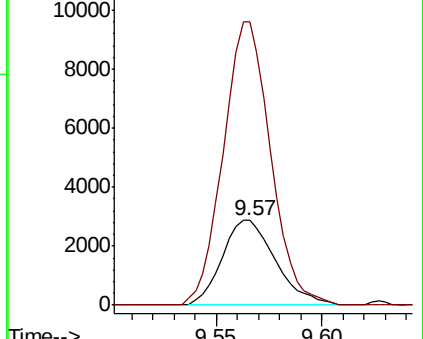
104 100

78 333.5 30.2 56.2#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 8.658 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018522.D

Acq: 29 Sep 2020 17:30

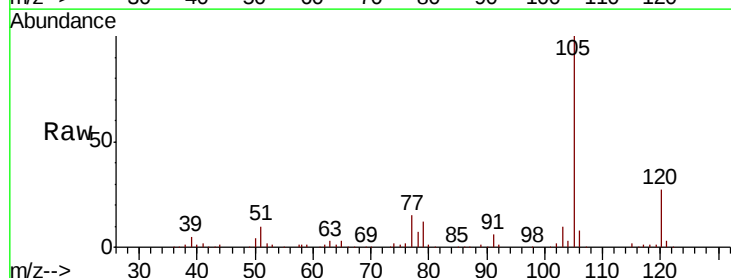
Tgt Ion:105 Resp: 114266

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

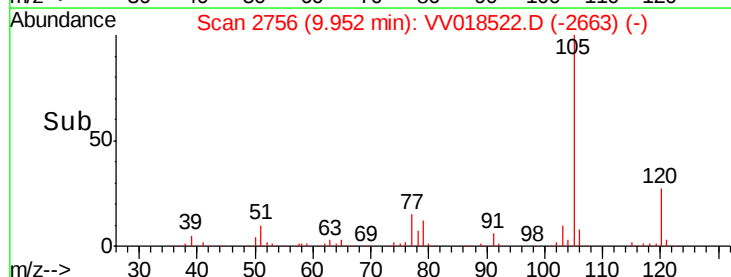
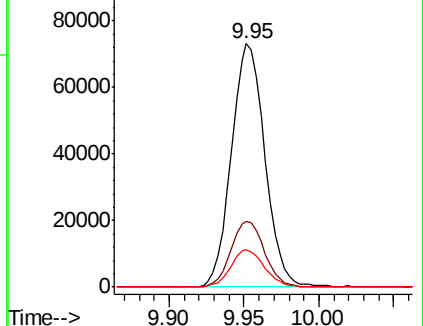
77 15.5 12.2 18.2

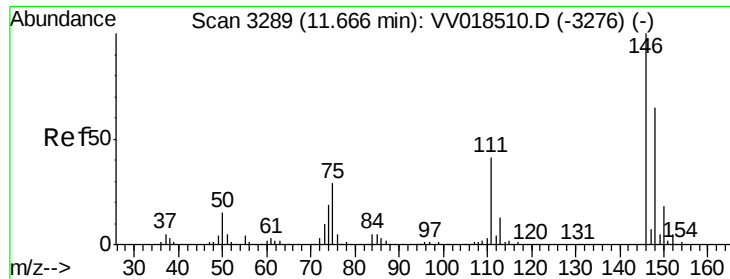


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#65

1,2-Dichlorobenzene

Concen: 0.796 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018522.D

Acq: 29 Sep 2020 17:30

Instrument :

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ClientSampleId :

BG3X4DL

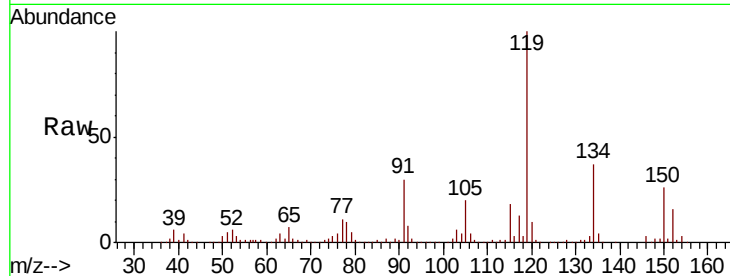
Tot Ion:146 Resp: 5339

Ion Ratio Lower Upper

146 100

111 52.5 32.8 49.2#

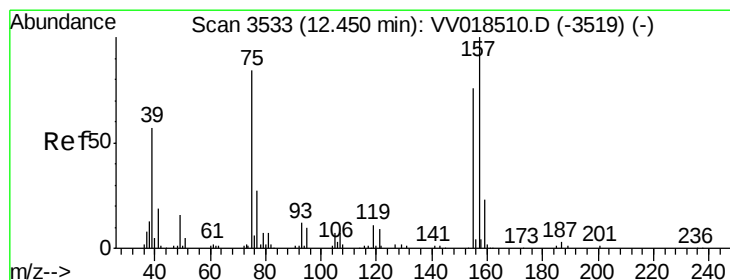
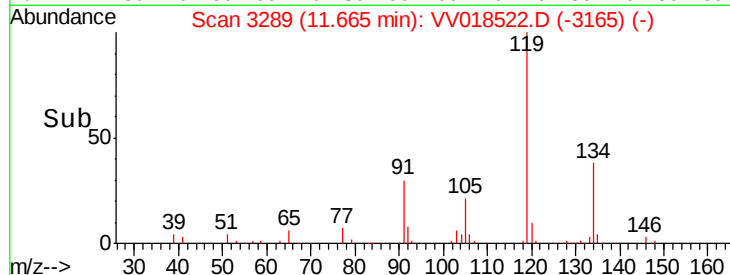
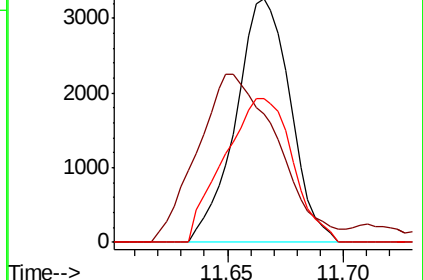
148 59.0 51.9 77.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.404 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.02 min

Lab File: VV018522.D

Acq: 29 Sep 2020 17:30

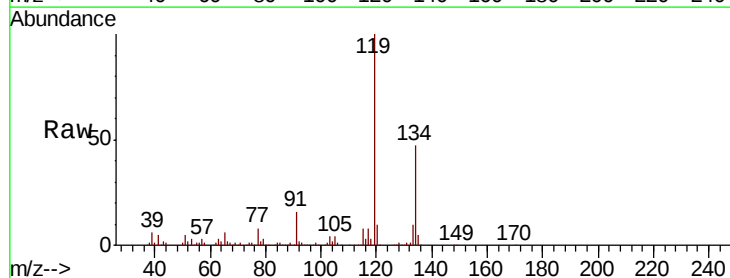
Tgt Ion: 75 Resp: 1286

Ion Ratio Lower Upper

75 100

155 0.0 73.0 109.6#

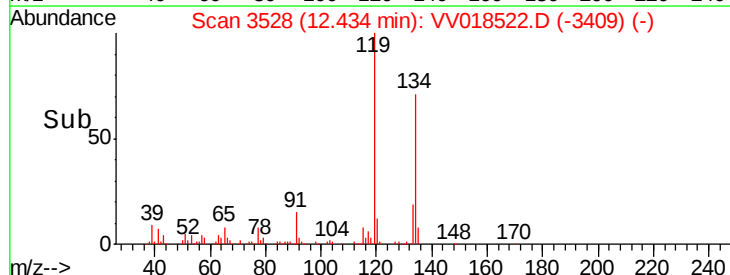
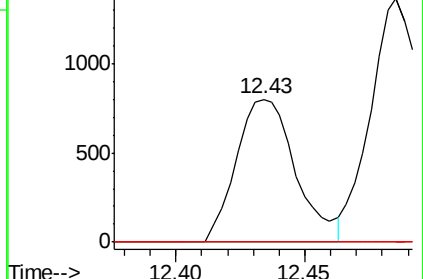
157 0.0 95.8 143.6#

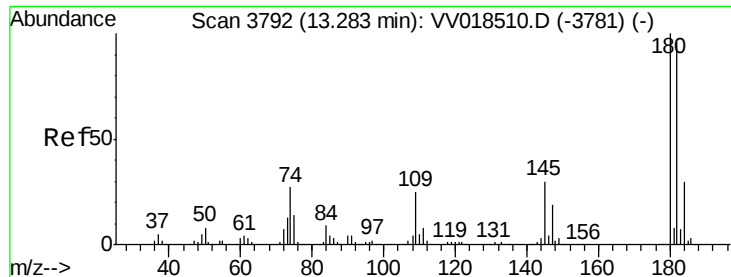


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#68

1,2,4-trichlorobenzene

Concen: 0.863 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV018522.D

Acq: 29 Sep 2020 17:30

Instrument :

MSVOA_V

ClientSampleId :

BG3X4DL

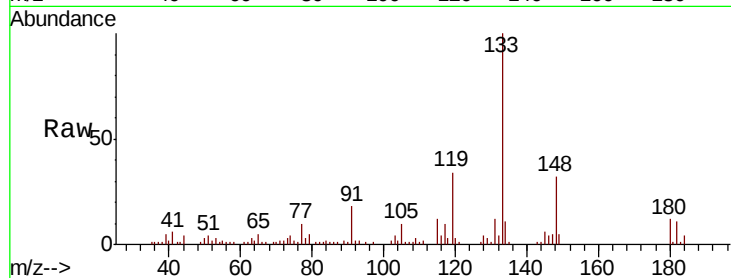
Tot Ion:180 Resp: 3773

Ion Ratio Lower Upper

180 100

182 94.9 76.3 114.5

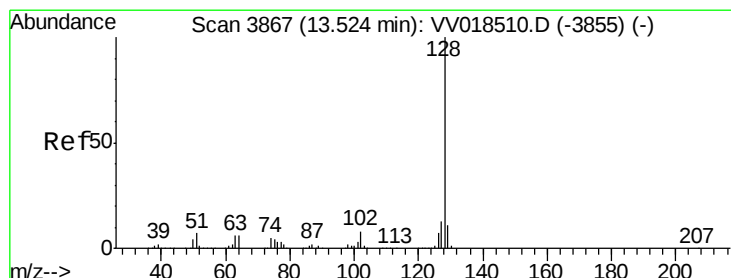
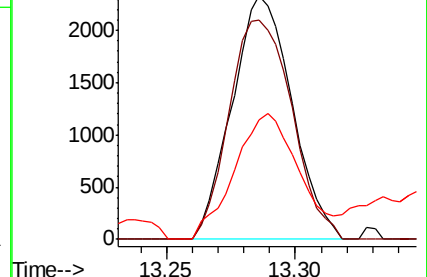
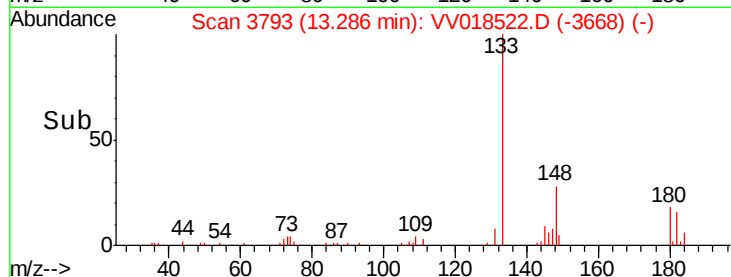
145 55.6 23.6 35.4#



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: 25.263 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018522.D

Acq: 29 Sep 2020 17:30

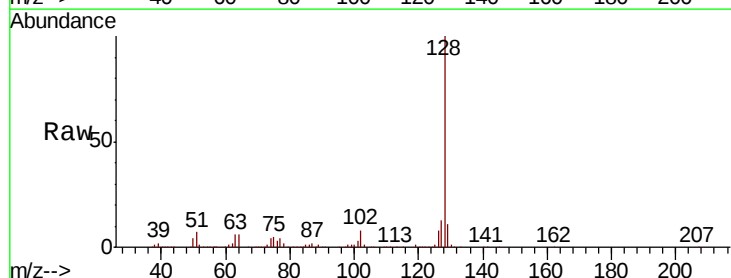
Tgt Ion:128 Resp: 316186

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.0 8.6 12.8



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

