

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061120\
 Data File : VV016820.D
 Acq On : 11 Jun 2020 12:33
 Operator : SY/MD
 Sample : L2929-15MS
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 12 01:31:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 12 01:27:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	345484	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	330378	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	180213	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	89797	36.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.68%
7) Chloroethane-d5	1.55	69	64602	44.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.32%
11) 1,1-Dichloroethene-d2	2.12	63	171417	41.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.74%
21) 2-Butanone-d5	3.90	46	164849	91.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.36%
24) Chloroform-d	4.37	84	211258	42.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.24%
26) 1,2-Dichloroethane-d4	5.05	65	155348	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.14%
32) Benzene-d6	5.07	84	405411	42.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.14%
36) 1,2-Dichloropropane-d6	6.09	67	127000	42.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.56%
41) Toluene-d8	7.34	98	373809	42.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.54%
43) trans-1,3-Dichloropropene-	7.64	79	65149	42.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.28%
47) 2-Hexanone-d5	8.11	63	114905	88.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.78%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	184028	46.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.66%
64) 1,2-Dichlorobenzene-d4	11.65	152	175874	45.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.46%

Target Compounds

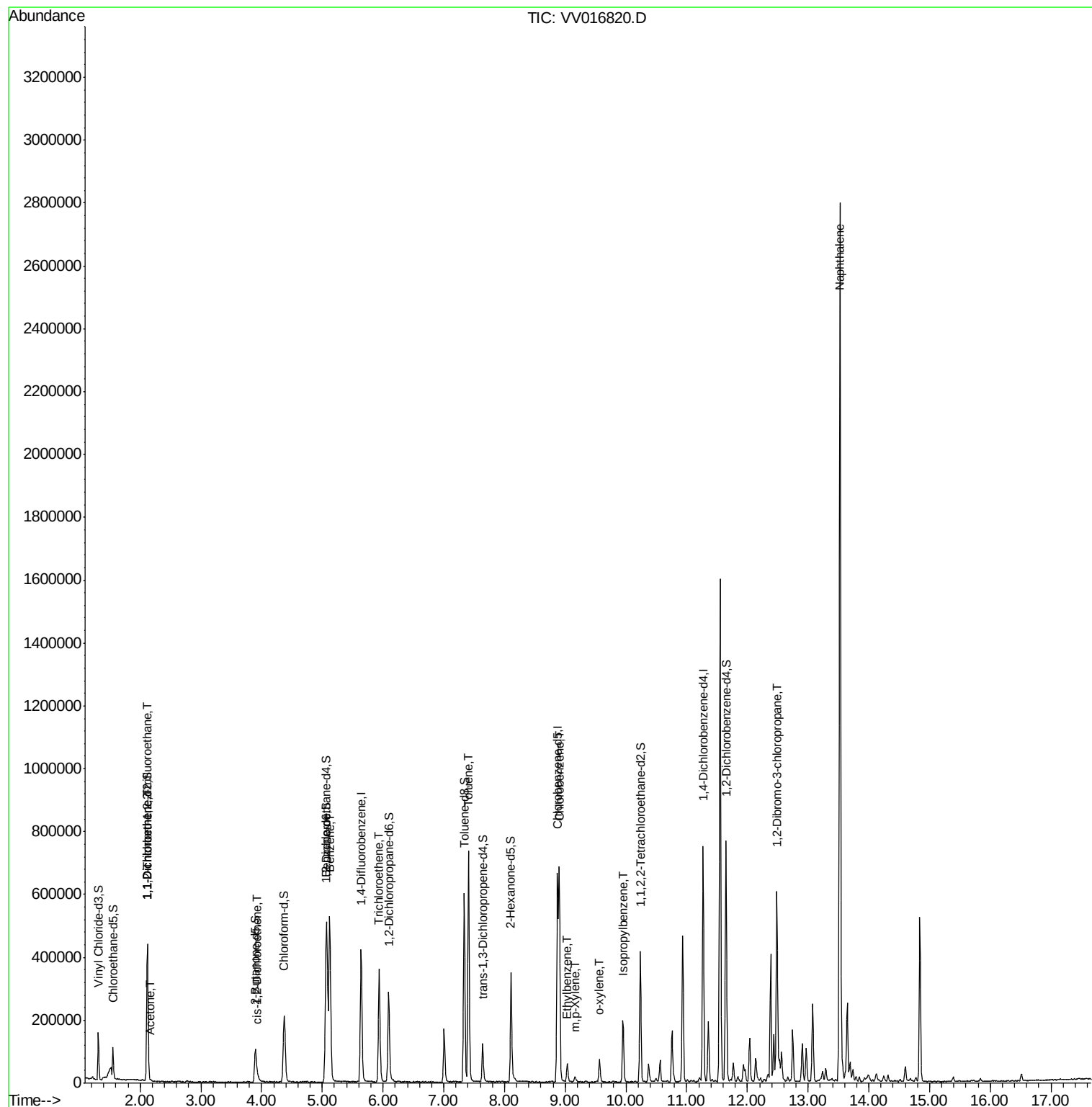
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1503	0.818	ug/L #	18
12) 1,1-Dichloroethene	2.13	96	77046	44.932	ug/L	90
13) Acetone	2.17	43	2160	1.817	ug/L	56
20) cis-1,2-Dichloroethene	3.94	96	2584	1.014	ug/L	91
33) Benzene	5.12	78	515592	52.746	ug/L	100
34) Trichloroethene	5.94	95	120023	45.782	ug/L	99
42) Toluene	7.41	91	505251	49.032	ug/L	100
51) Chlorobenzene	8.90	112	331925	49.372	ug/L	99
52) Ethylbenzene	9.04	91	38052	3.334	ug/L	96
53) m,p-Xylene	9.16	106	3993	0.940	ug/L	92
54) o-xylene	9.57	106	17075	4.074	ug/L	93
56) Isopropylbenzene	9.95	105	119520	10.613	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13146	14.616	ug/L #	2
69) Naphthalene	13.52	128	1957860	174.341	ug/L	100

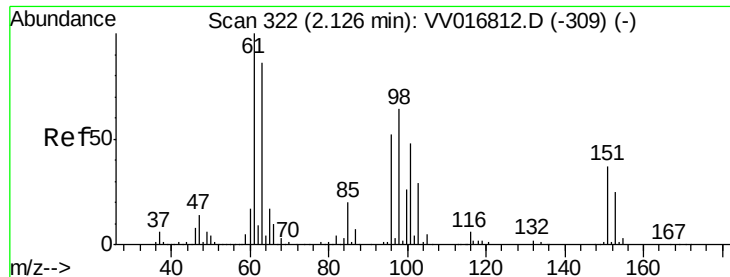
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.818 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016820.D

Acq: 11 Jun 2020 12:33

Instrument :

MSVOA_V

ClientSampleId :

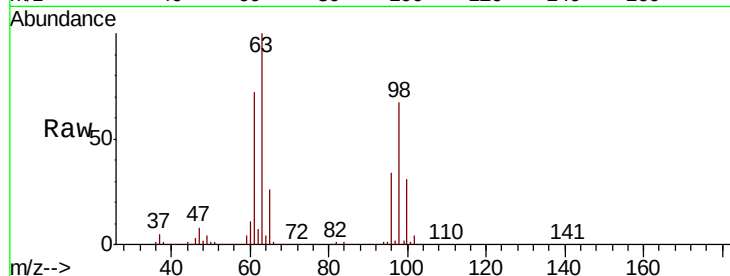
Tot Ion:101 Resp: 1503

Ion Ratio Lower Upper

101 100

85 1.3 35.5 53.3#

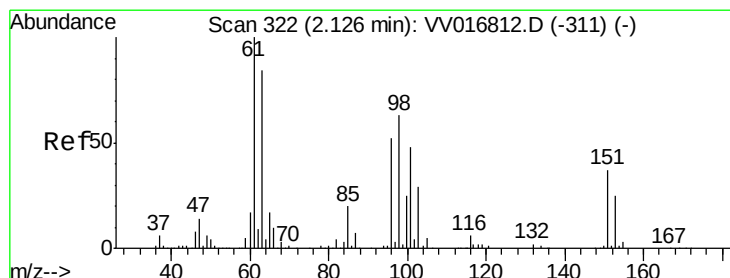
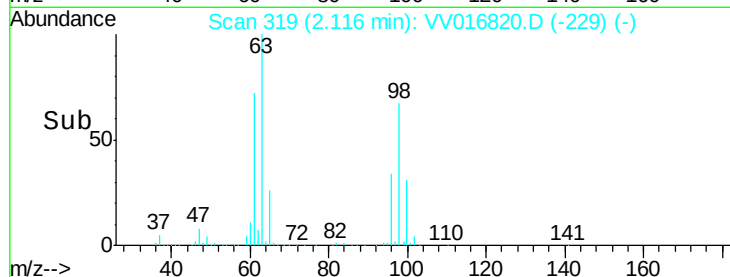
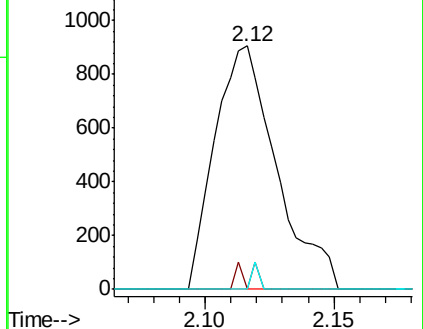
151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 44.932 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV016820.D

Acq: 11 Jun 2020 12:33

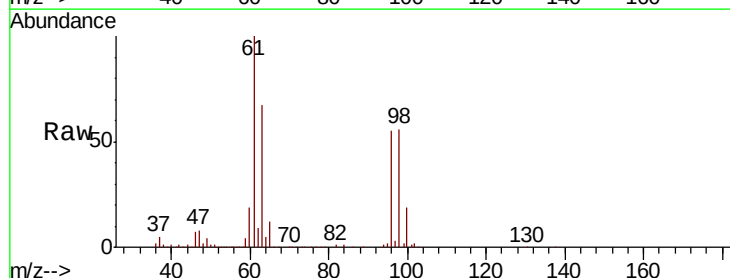
Tgt Ion: 96 Resp: 77046

Ion Ratio Lower Upper

96 100

61 183.2 130.4 242.2

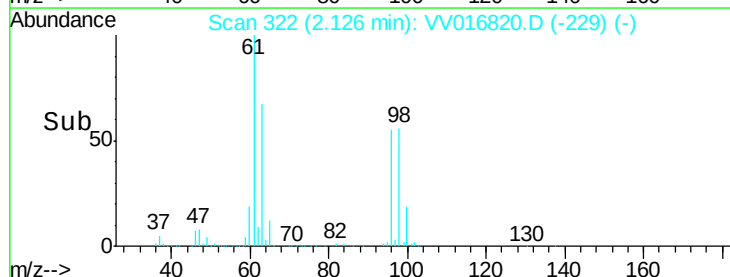
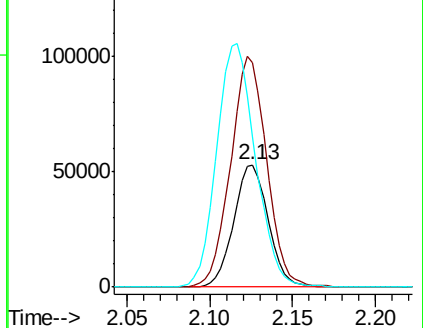
63 122.5 103.3 191.9

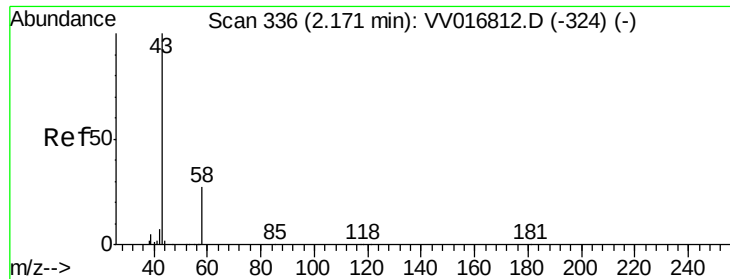


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.817 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016820.D

Acq: 11 Jun 2020 12:33

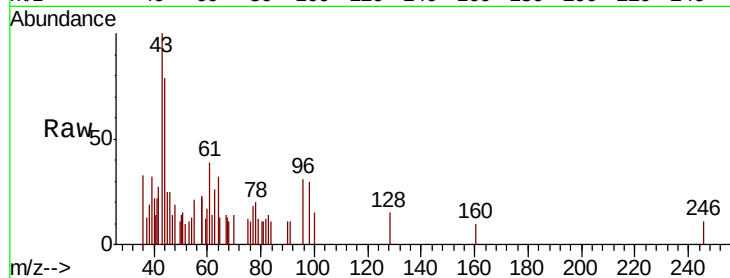
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 2160

Ion Ratio Lower Upper

43 100

58 4.5 0.0 55.2

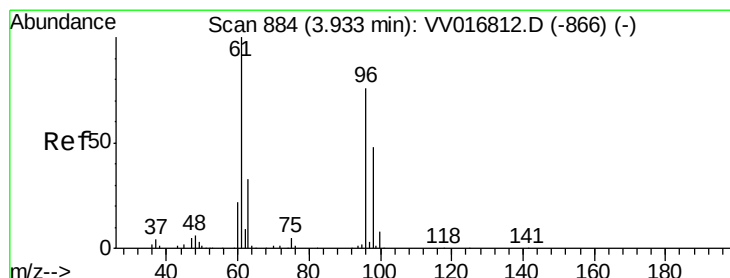
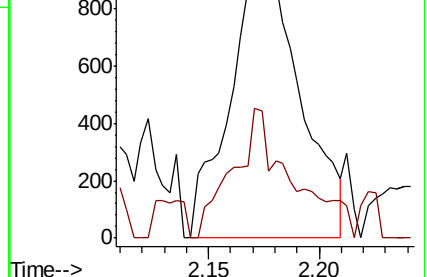
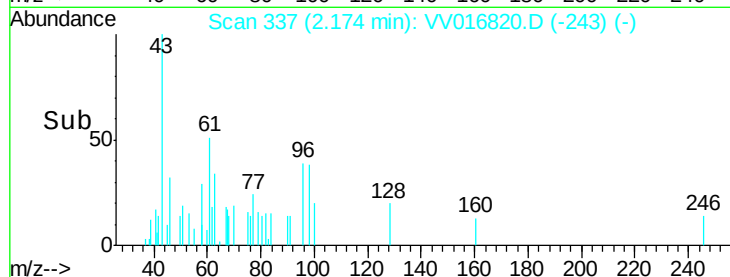


Abundance Ion 43.00 (42.70 to 43.70): VV016820.D (-243) (-)

Ion 58.00 (57.70 to 58.70): VV016820.D (-243) (-)

2.17

Time-->



#20

cis-1,2-Dichloroethene

Concen: 1.014 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV016820.D

Acq: 11 Jun 2020 12:33

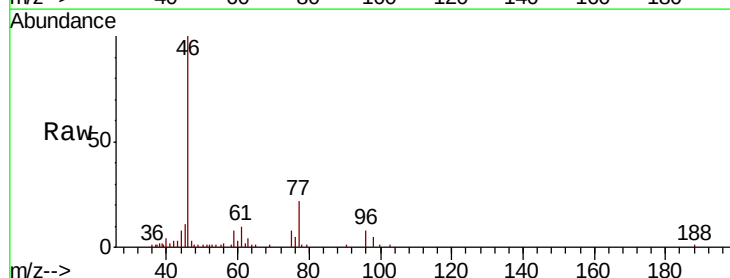
Tgt Ion: 96 Resp: 2584

Ion Ratio Lower Upper

96 100

61 122.8 93.4 173.4

68 0.0 0.0 0.0



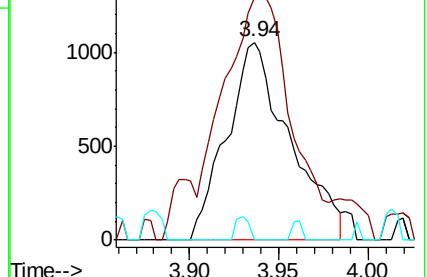
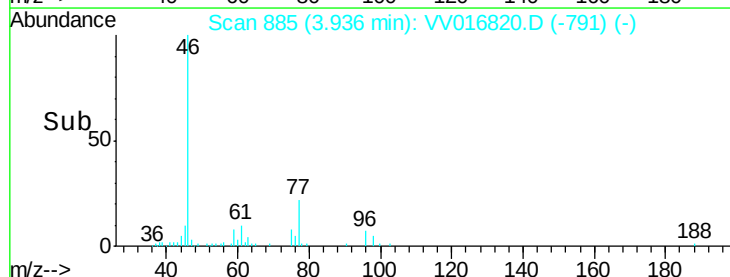
Abundance Ion 96.00 (95.70 to 96.70): VV016820.D (-791) (-)

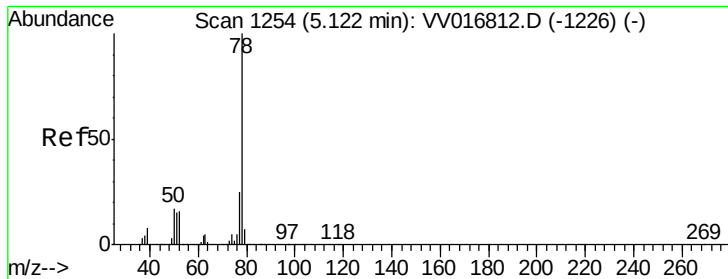
Ion 61.00 (60.70 to 61.70): VV016820.D (-791) (-)

Ion 68.00 (67.70 to 68.70): VV016820.D (-791) (-)

3.94

Time-->





#33

Benzene

Concen: 52.746 ug/L

RT: 5.12 min Scan# 1254

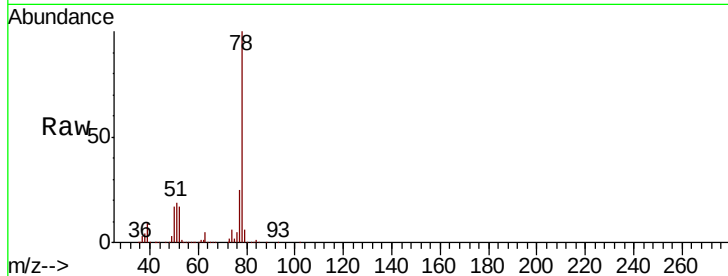
Delta R.T. 0.00 min

Lab File: VV016820.D

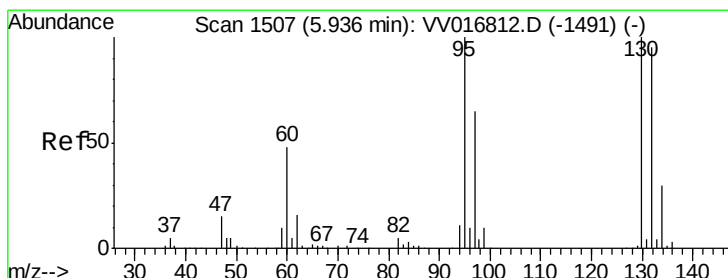
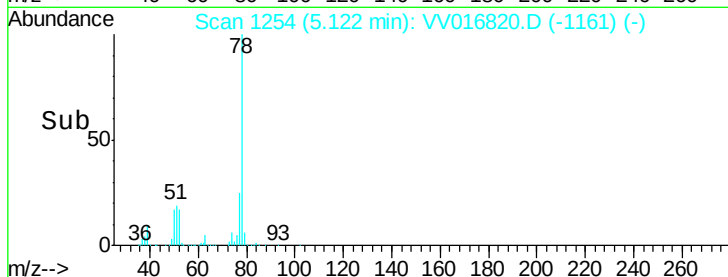
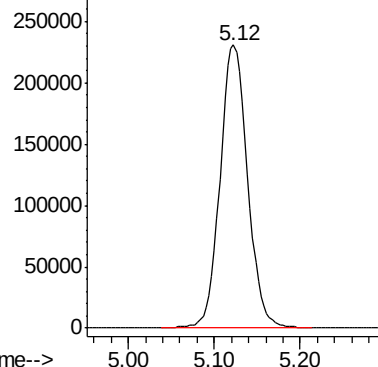
Acq: 11 Jun 2020 12:33

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 515592



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 45.782 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016820.D

Acq: 11 Jun 2020 12:33

Tgt Ion: 95 Resp: 120023

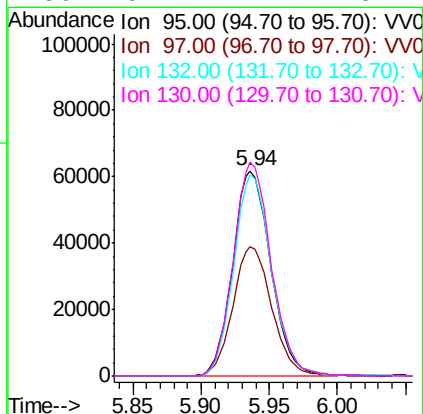
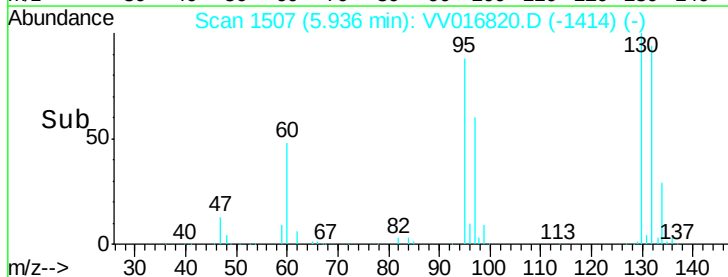
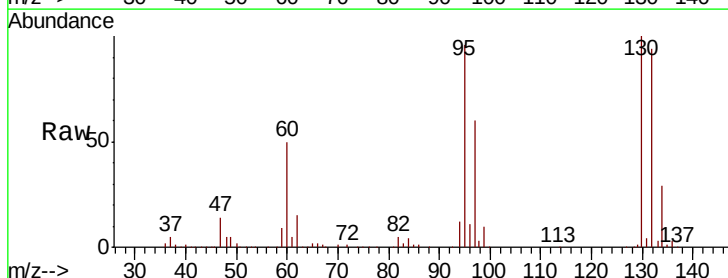
Ion	Ratio	Lower	Upper
95	100		
97	62.8	44.3	82.3
132	97.6	67.9	126.1
130	104.1	72.2	134.2

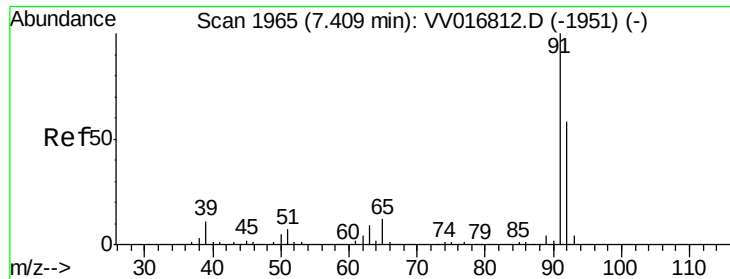
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0





#42

Toluene

Concen: 49.032 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016820.D

Acq: 11 Jun 2020 12:33

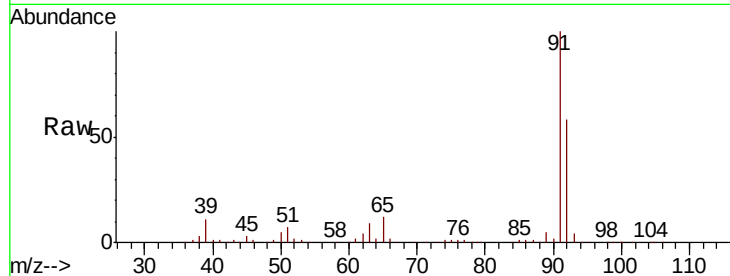
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 505251

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV016812.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV016812.D (-1951) (-)

7.41

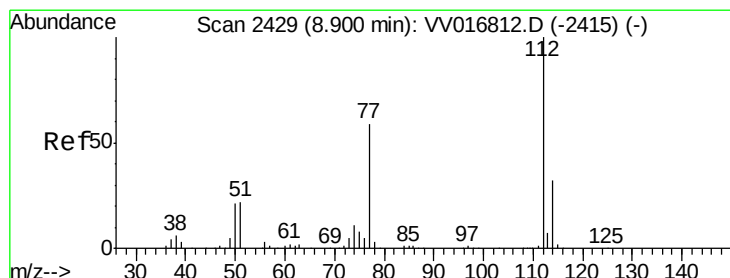
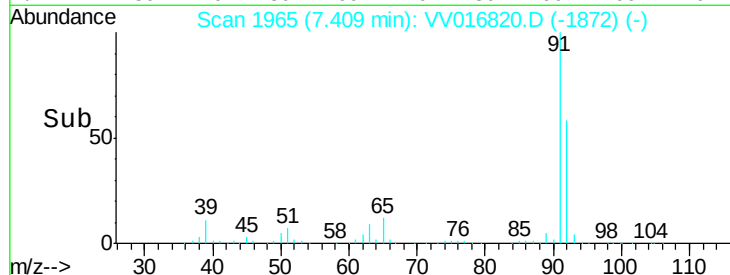
300000

200000

100000

0

Time-->



#51

Chlorobenzene

Concen: 49.372 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. 0.00 min

Lab File: VV016820.D

Acq: 11 Jun 2020 12:33

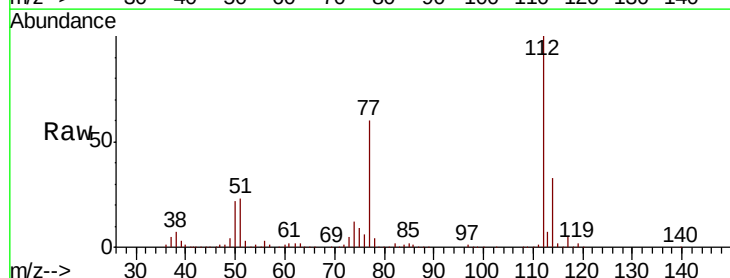
Tgt Ion: 112 Resp: 331925

Ion Ratio Lower Upper

112 100

114 32.8 22.3 41.3

77 60.2 47.9 71.9



Abundance Ion 112.00 (111.70 to 112.70): VV016812.D (-2415) (-)

Ion 114.00 (113.70 to 114.70): VV016812.D (-2415) (-)

Ion 77.00 (76.70 to 77.70): VV016812.D (-2415) (-)

8.90

250000

200000

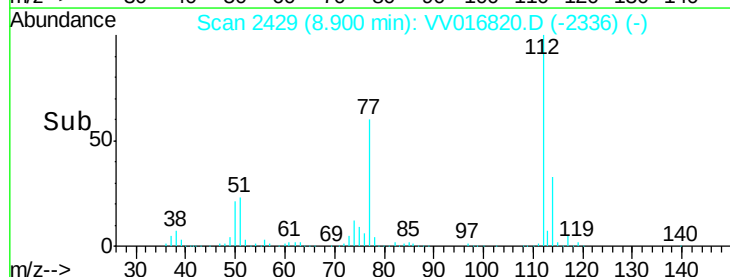
150000

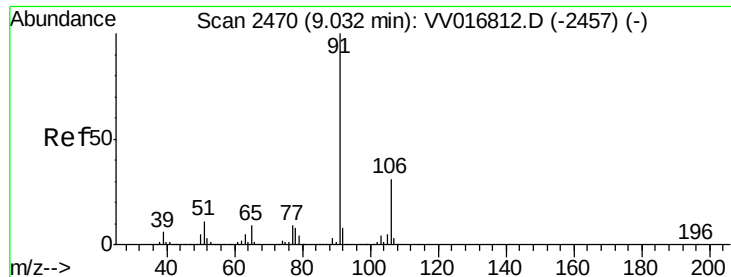
100000

50000

0

Time-->





#52

Ethylbenzene

Concen: 3.334 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016820.D

Acq: 11 Jun 2020 12:33

Instrument :

MSVOA_V

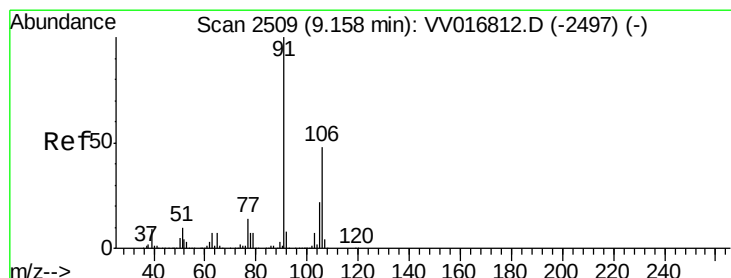
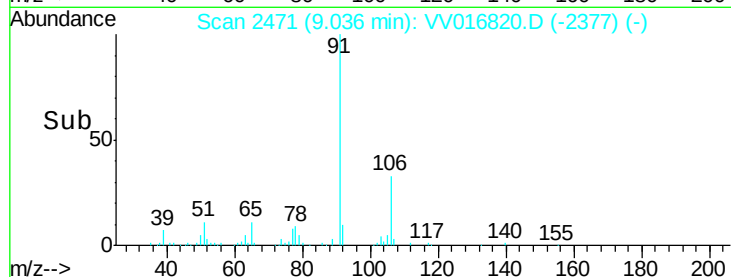
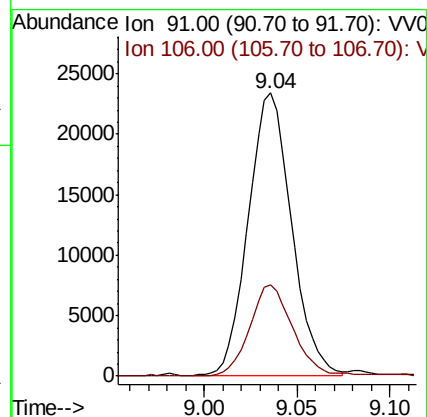
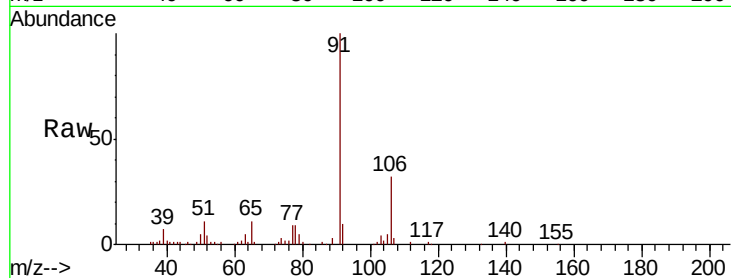
ClientSampleId :

Tot Ion: 91 Resp: 38052

Ion Ratio Lower Upper

91 100

106 32.5 21.1 39.1



#53

m,p-Xylene

Concen: 0.940 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV016820.D

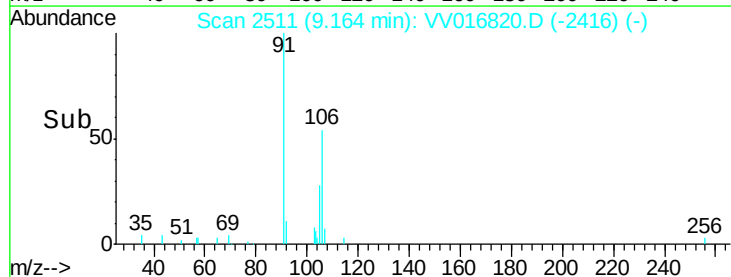
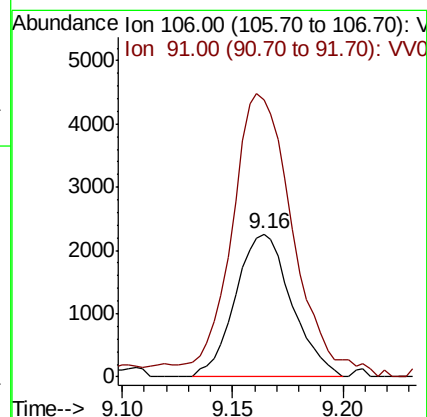
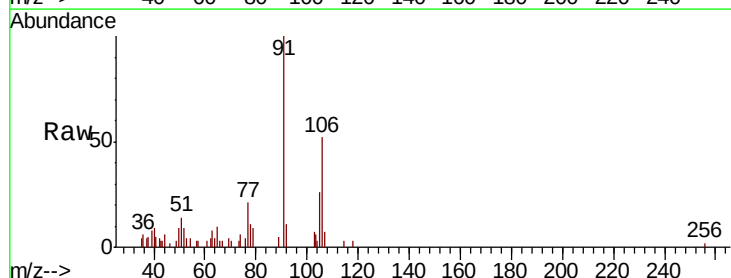
Acq: 11 Jun 2020 12:33

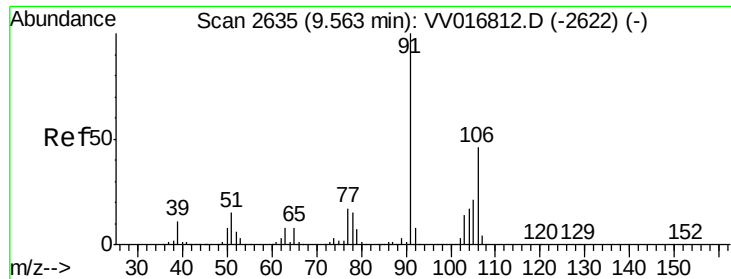
Tgt Ion: 106 Resp: 3993

Ion Ratio Lower Upper

106 100

91 193.9 144.6 268.6





#54

o-xylene

Concen: 4.074 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016820.D

Acq: 11 Jun 2020 12:33

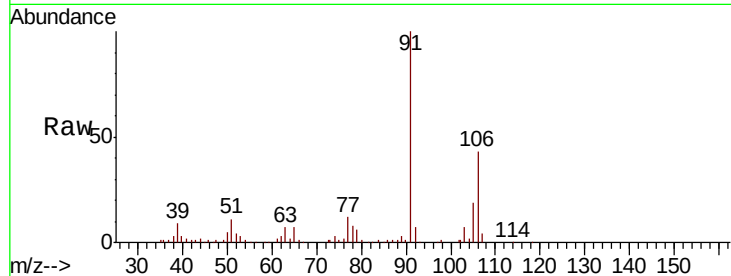
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 17075

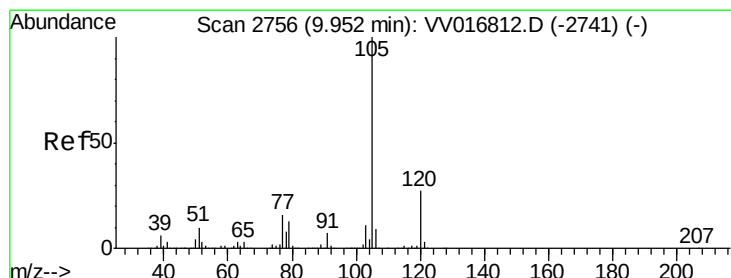
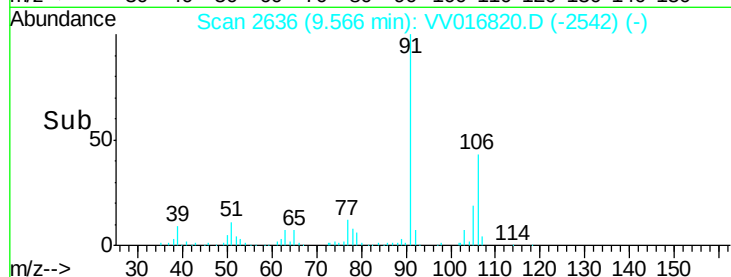
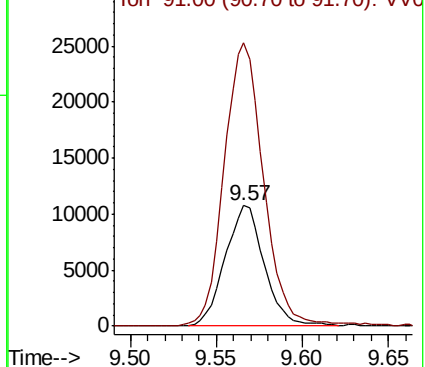
Ion Ratio Lower Upper

106 100

91 234.7 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#56

Isopropylbenzene

Concen: 10.613 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016820.D

Acq: 11 Jun 2020 12:33

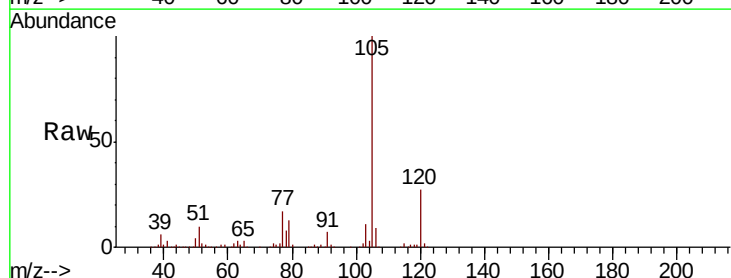
Tgt Ion:105 Resp: 119520

Ion Ratio Lower Upper

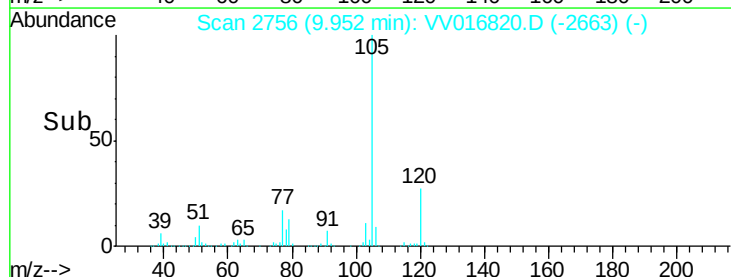
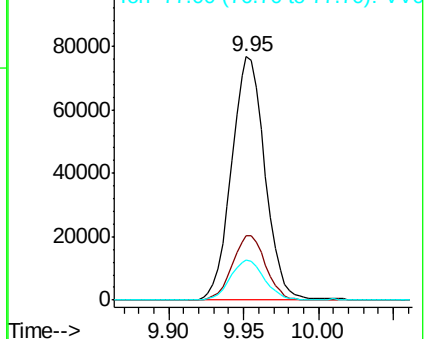
105 100

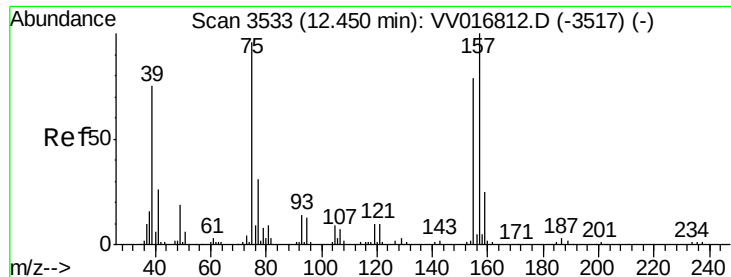
120 26.3 21.2 31.8

77 16.9 13.0 19.4



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

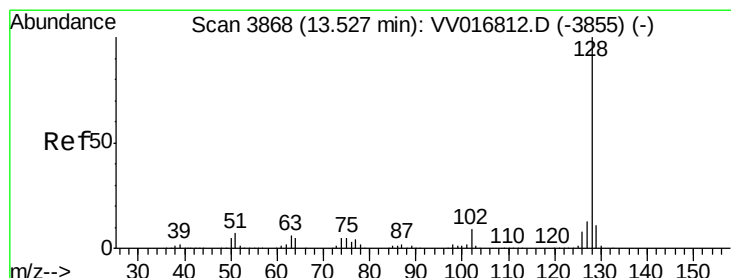
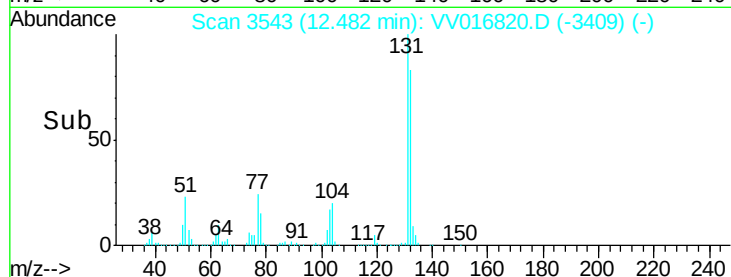
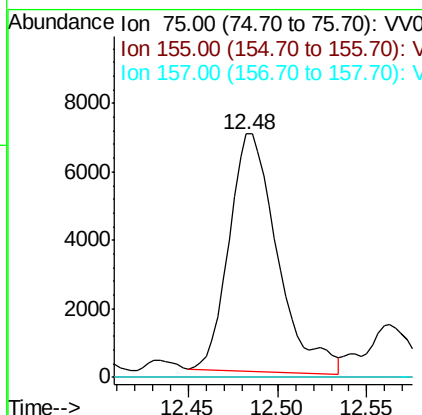
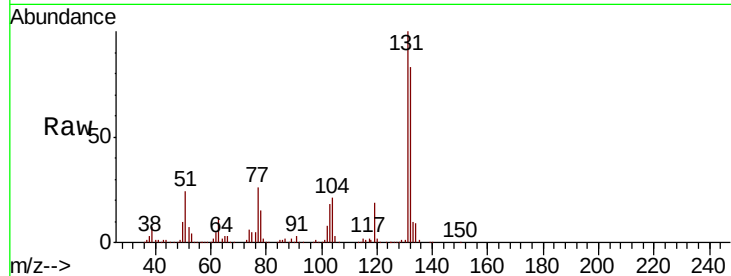




#66
 1,2-Dibromo-3-chloropropane
 Concen: 14.616 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.03 min
 Lab File: VV016820.D
 Acq: 11 Jun 2020 12:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 13146
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.8 104.6#
 157 0.0 83.4 125.2#



#69
 Naphthalene
 Concen: 174.341 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV016820.D
 Acq: 11 Jun 2020 12:33

Tgt Ion: 128 Resp: 1957860
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.5 15.7
 129 11.0 8.7 13.1

