

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061120\
 Data File : VV016821.D
 Acq On : 11 Jun 2020 12:57
 Operator : SY/MD
 Sample : L2929-16MSD
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 12 01:31:34 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	347851	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	329830	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	176466	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	91601	37.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.64%
7) Chloroethane-d5	1.57	69	70563	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.82%
11) 1,1-Dichloroethene-d2	2.12	63	179441	43.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.08%
21) 2-Butanone-d5	3.89	46	179525	98.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.82%
24) Chloroform-d	4.37	84	219282	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
26) 1,2-Dichloroethane-d4	5.05	65	160992	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.84%
32) Benzene-d6	5.07	84	427414	44.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.90%
36) 1,2-Dichloropropane-d6	6.09	67	134397	45.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.70%
41) Toluene-d8	7.34	98	395525	45.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.66%
43) trans-1,3-Dichloropropene-	7.64	79	64746	41.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.90%
47) 2-Hexanone-d5	8.11	63	118285	91.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	189766	48.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	179463	47.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.30%

Target Compounds

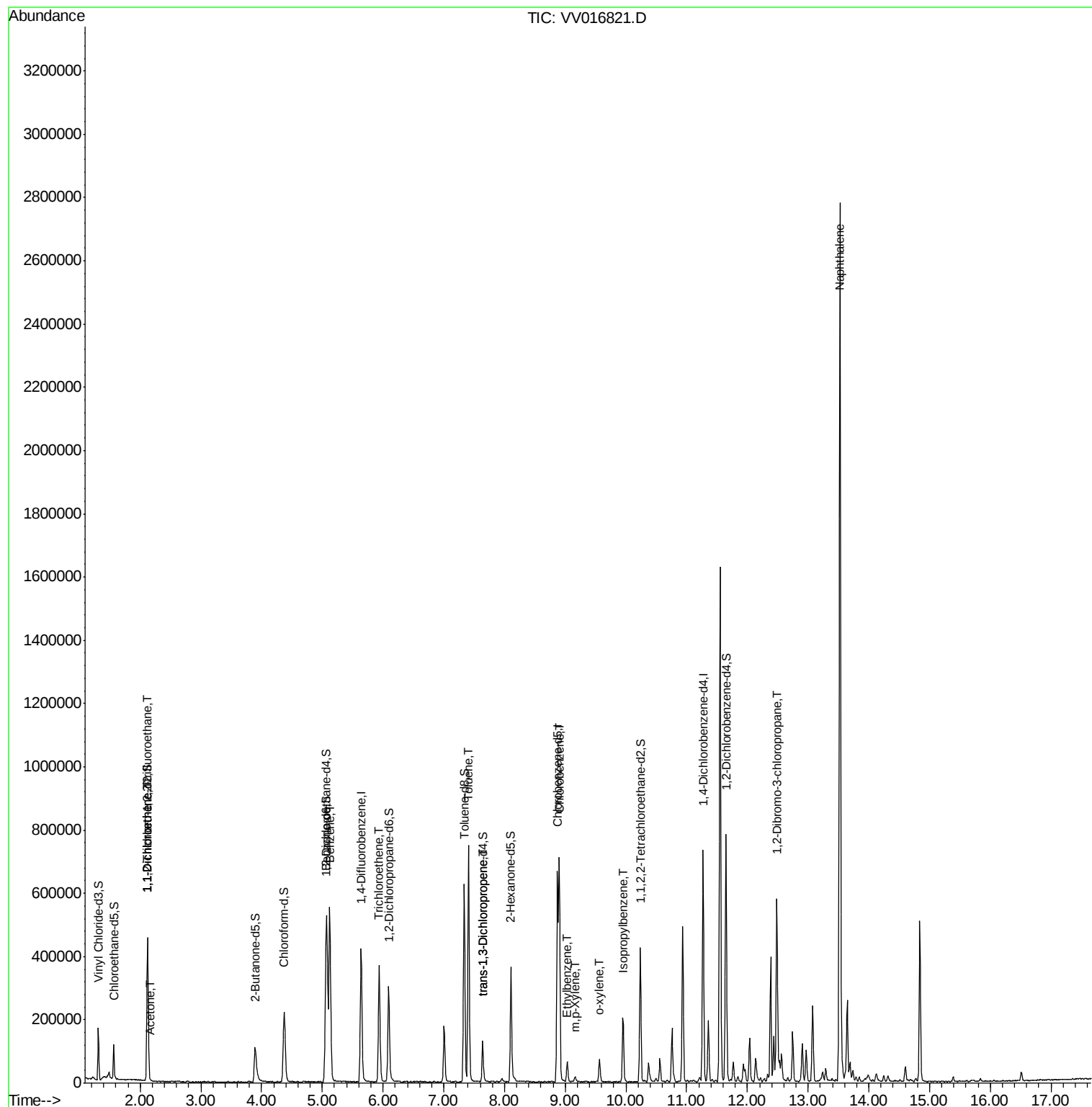
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1732	0.937	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	80822	46.814	ug/L	91
13) Acetone	2.17	43	1510	1.262	ug/L	90
33) Benzene	5.12	78	534470	54.768	ug/L	100
34) Trichloroethene	5.94	95	123026	47.006	ug/L	99
42) Toluene	7.41	91	518947	50.444	ug/L	99
44) trans-1,3-Dichloropropene	7.64	75	3551	0.927	ug/L	98
51) Chlorobenzene	8.90	112	339472	50.578	ug/L	99
52) Ethylbenzene	9.03	91	40832	3.583	ug/L	96
53) m,p-Xylene	9.16	106	4145	0.977	ug/L	96
54) o-xylene	9.57	106	18615	4.449	ug/L	91
56) Isopropylbenzene	9.95	105	124416	11.066	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.49	75	11892	13.502	ug/L #	2
69) Naphthalene	13.52	128	1956486	177.918	ug/L	100

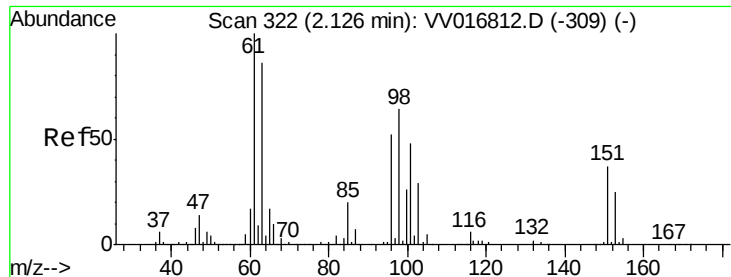
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 12 01:27:40 2020
Response via : Initial Calibration





#10

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

Concen: 0.937 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016821.D

Acq: 11 Jun 2020 12:57

Instrument :

MSVOA_V

ClientSampleId :

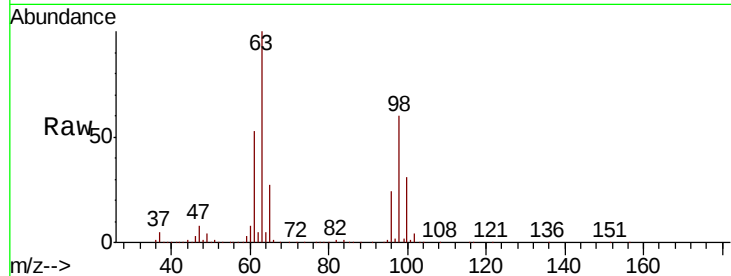
Tot Ion:101 Resp: 1732

Ion Ratio Lower Upper

101 100

85 2.4 35.5 53.3#

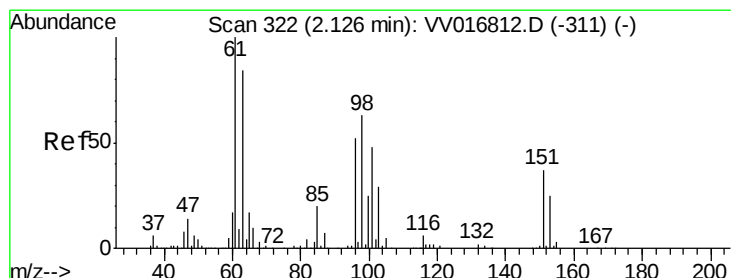
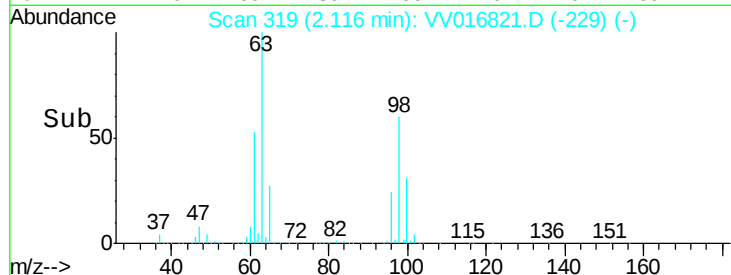
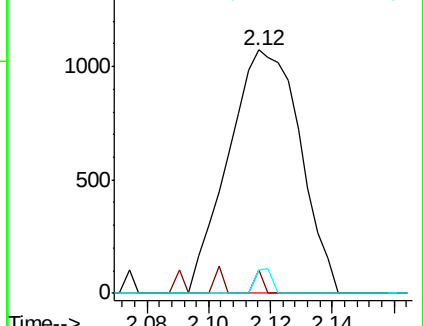
151 2.4 63.9 95.9#



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: 46.814 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016821.D

Acq: 11 Jun 2020 12:57

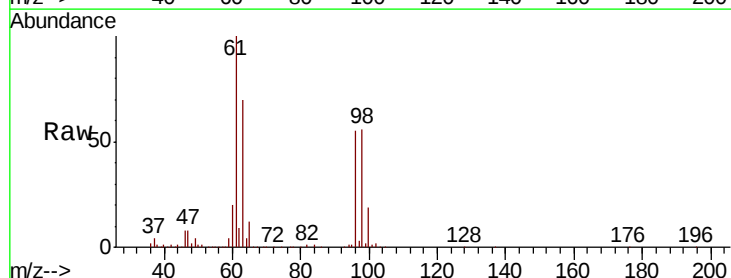
Tgt Ion: 96 Resp: 80822

Ion Ratio Lower Upper

96 100

61 181.5 130.4 242.2

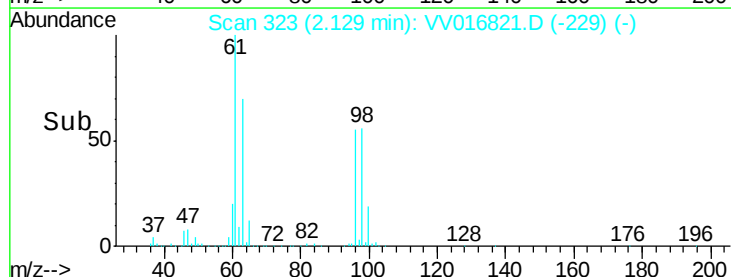
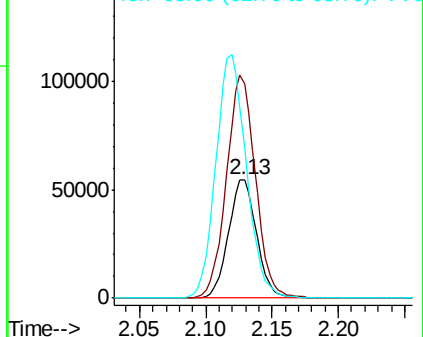
63 126.7 103.3 191.9

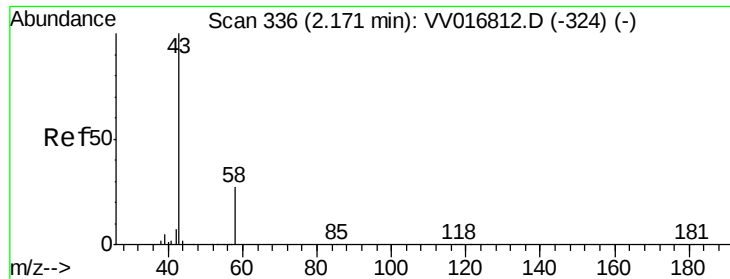


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.262 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016821.D

Acq: 11 Jun 2020 12:57

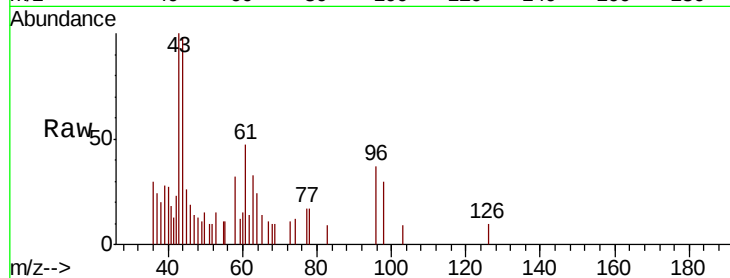
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 1510

Ion Ratio Lower Upper

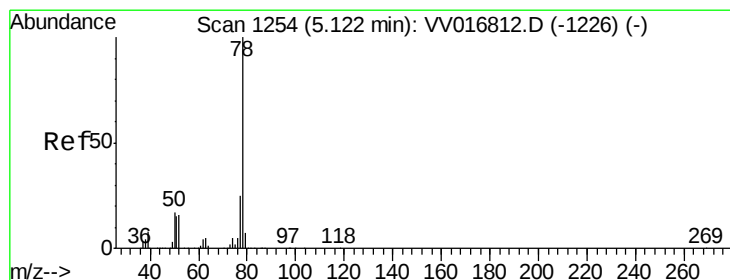
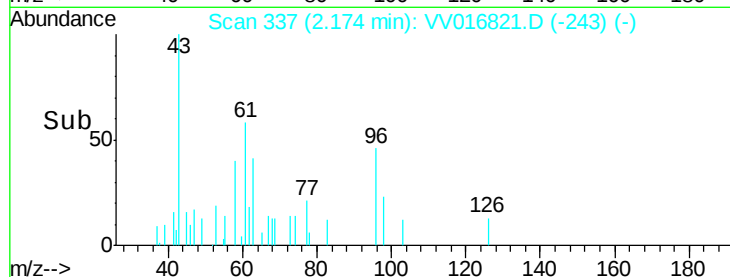
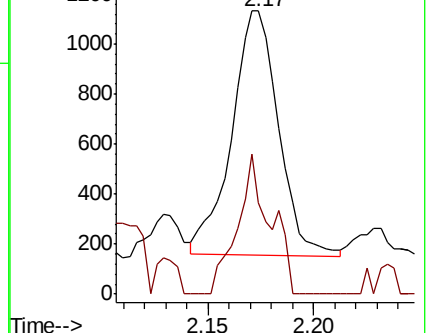
43 100

58 32.8 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016821.D (-243) (-)

Ion 58.00 (57.70 to 58.70): VV016821.D (-243) (-)



#33

Benzene

Concen: 54.768 ug/L

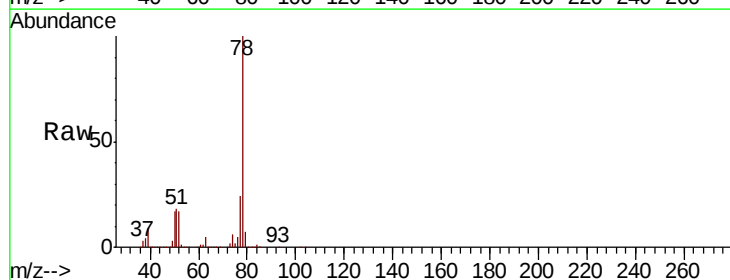
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

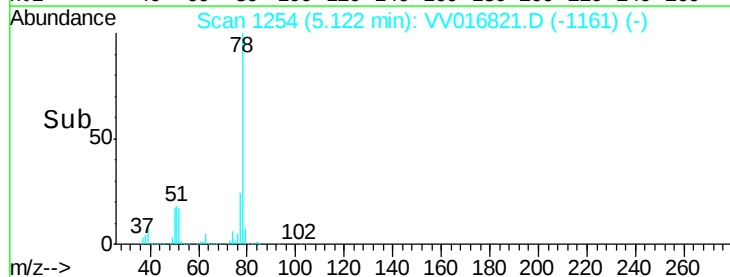
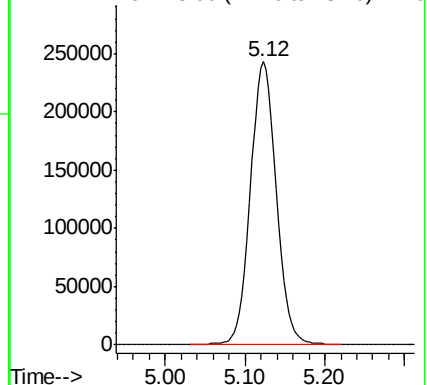
Lab File: VV016821.D

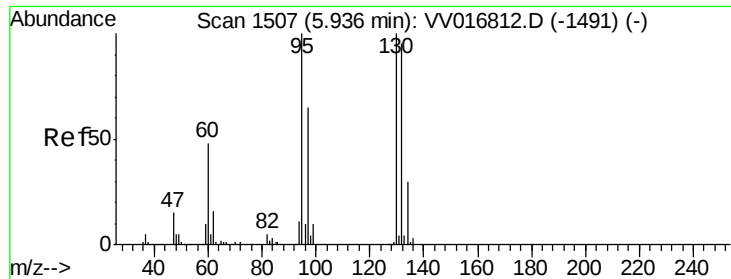
Acq: 11 Jun 2020 12:57

Tgt Ion: 78 Resp: 534470



Abundance Ion 78.00 (77.70 to 78.70): VV016821.D (-1161) (-)

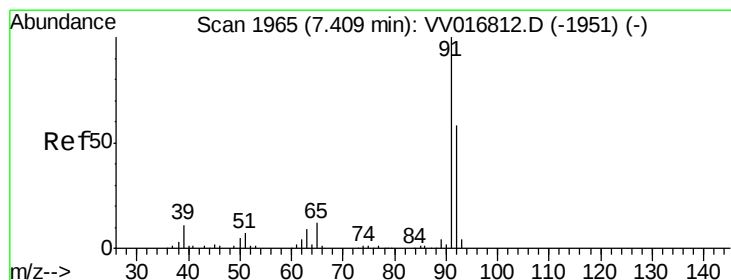
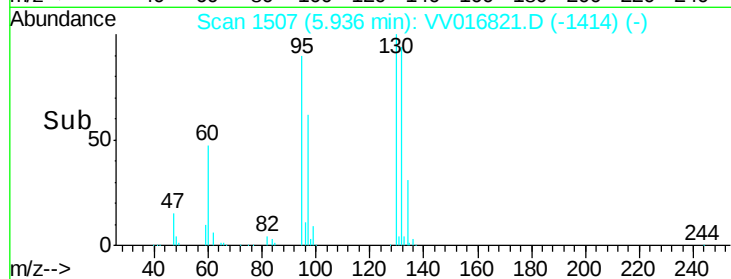
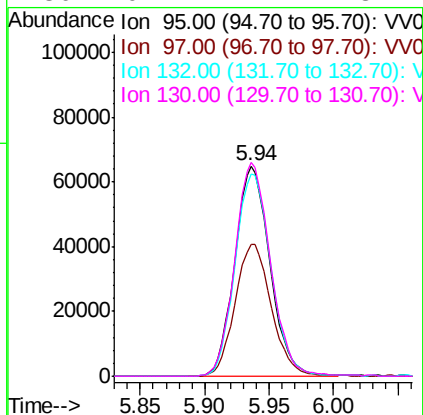
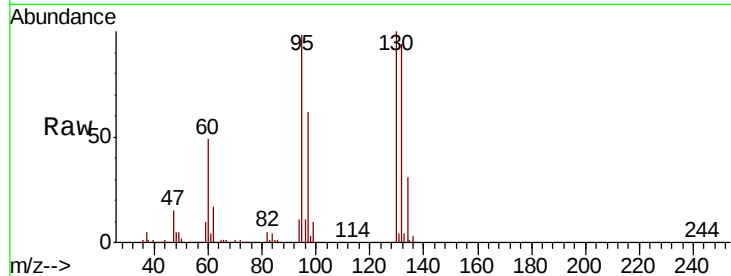




#34
 Trichloroethene
 Concen: 47.006 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016821.D
 Acq: 11 Jun 2020 12:57

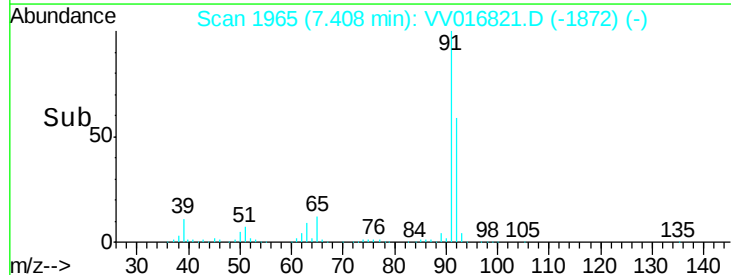
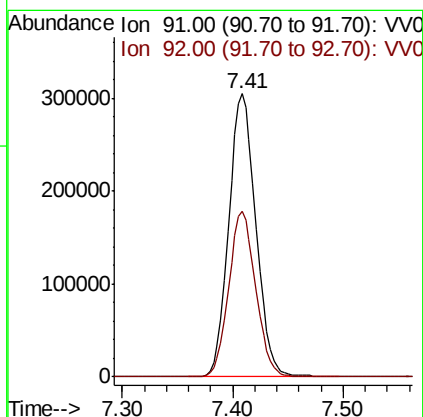
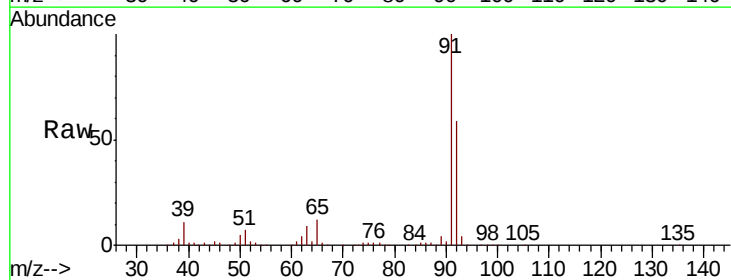
Instrument :
 MSVOA_V
 ClientSampled :

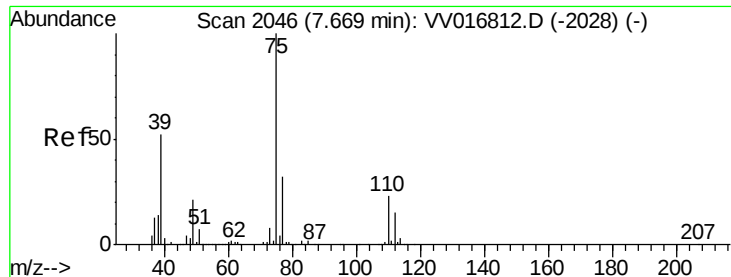
Tot Ion	95.00	Resp	123026
Ion Ratio	Lower	Upper	
95	100		
97	62.8	44.3	82.3
132	96.0	67.9	126.1
130	101.7	72.2	134.2



#42
 Toluene
 Concen: 50.444 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VV016821.D
 Acq: 11 Jun 2020 12:57

Tgt Ion	91.00	Resp	518947
Ion Ratio	Lower	Upper	
91	100		
92	58.6	40.4	75.0





#44

trans-1,3-Dichloropropene

Concen: 0.927 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV016821.D

Acq: 11 Jun 2020 12:57

Instrument :

MSVOA_V

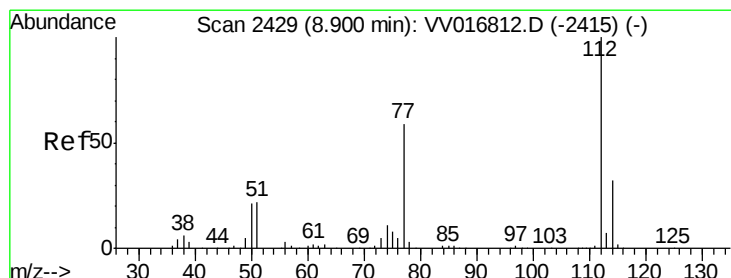
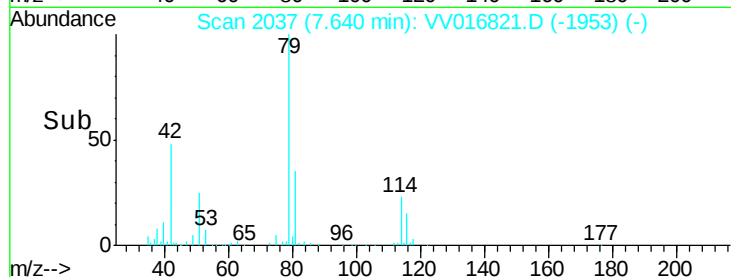
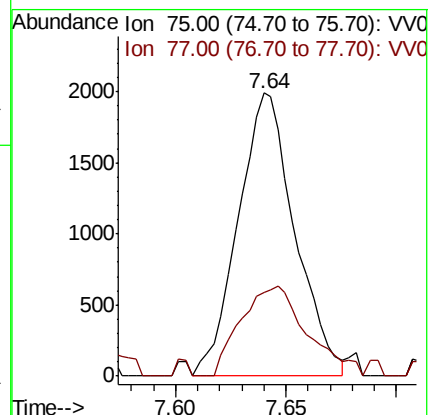
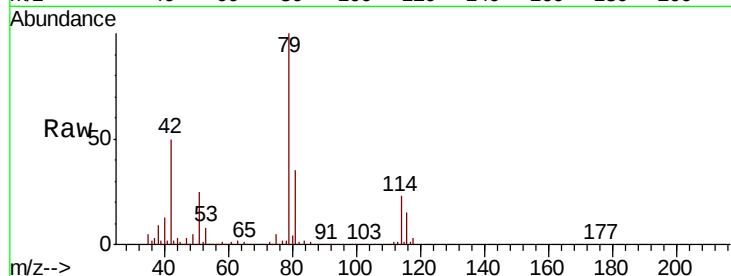
ClientSampleId :

Tot Ion: 75 Resp: 3551

Ion Ratio Lower Upper

75 100

77 29.6 21.7 40.3



#51

Chlorobenzene

Concen: 50.578 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016821.D

Acq: 11 Jun 2020 12:57

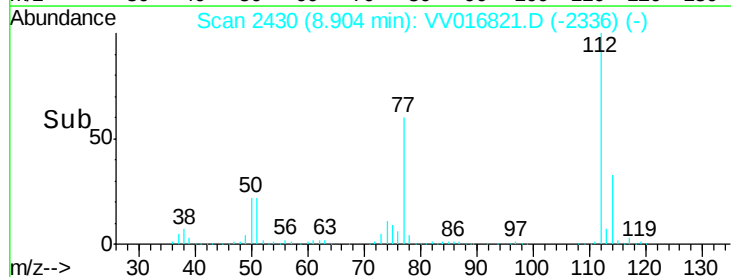
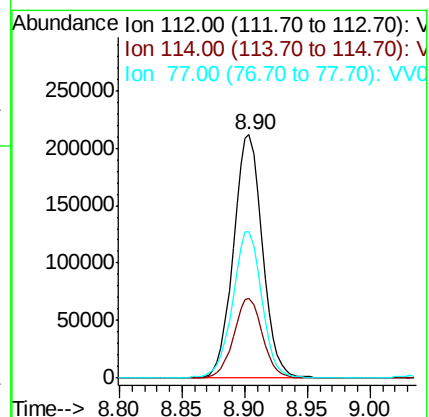
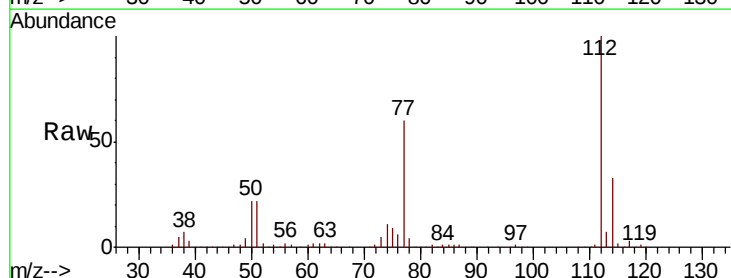
Tgt Ion: 112 Resp: 339472

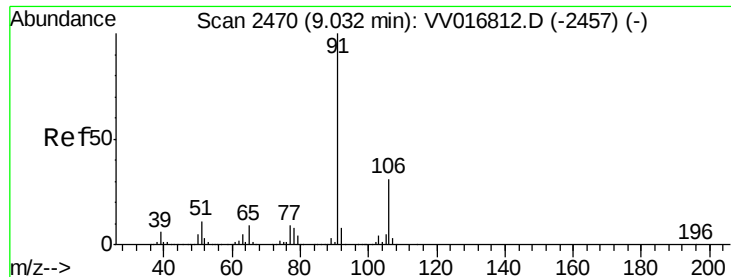
Ion Ratio Lower Upper

112 100

114 32.8 22.3 41.3

77 60.3 47.9 71.9

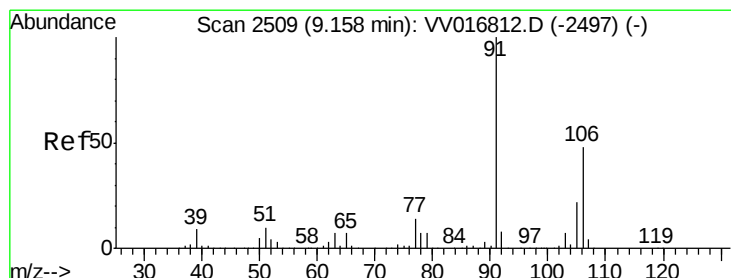
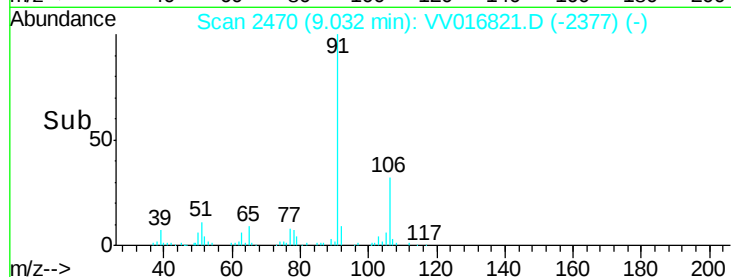
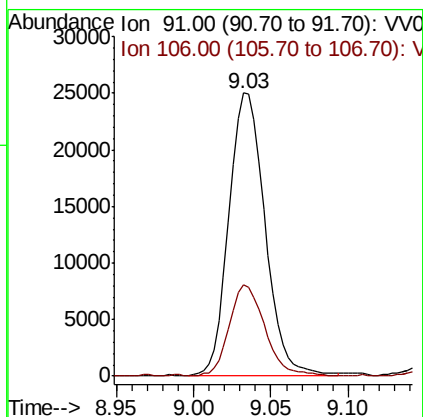
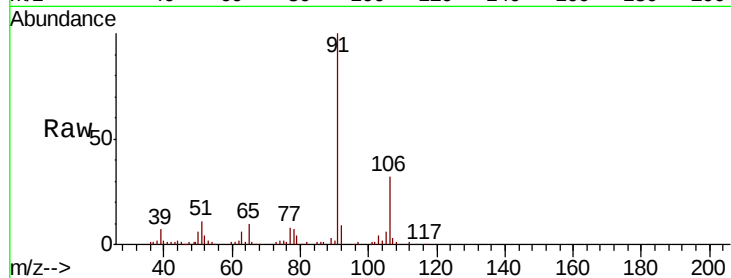




#52
Ethylbenzene
Concen: 3.583 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV016821.D
Acq: 11 Jun 2020 12:57

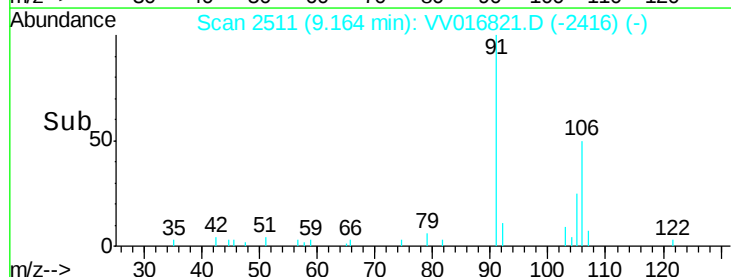
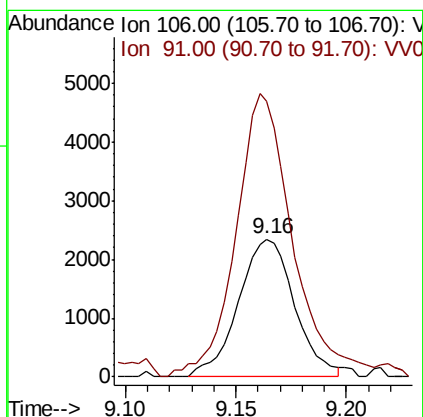
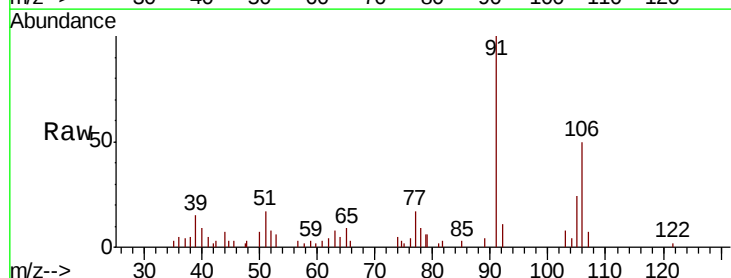
Instrument :
MSVOA_V
ClientSampled :

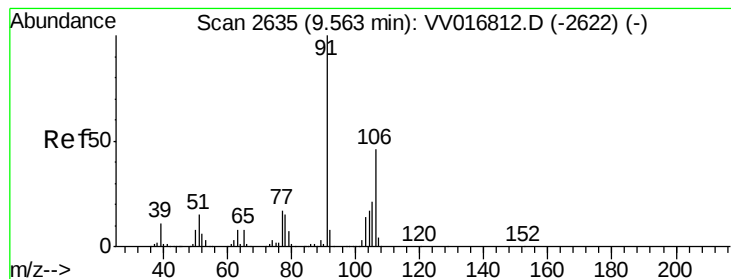
Tot Ion: 91 Resp: 40832
Ion Ratio Lower Upper
91 100
106 32.2 21.1 39.1



#53
m,p-Xylene
Concen: 0.977 ug/L
RT: 9.16 min Scan# 2511
Delta R.T. 0.01 min
Lab File: VV016821.D
Acq: 11 Jun 2020 12:57

Tgt Ion: 106 Resp: 4145
Ion Ratio Lower Upper
106 100
91 200.3 144.6 268.6





#54

o-xylene

Concen: 4.449 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016821.D

Acq: 11 Jun 2020 12:57

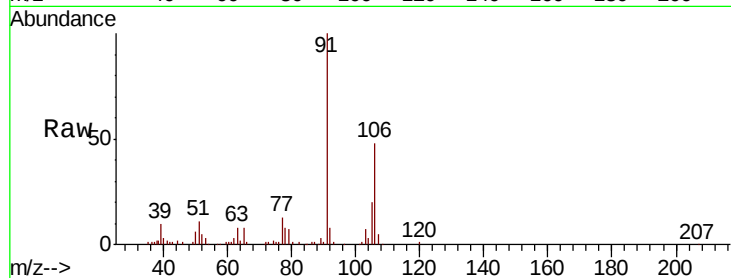
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 18615

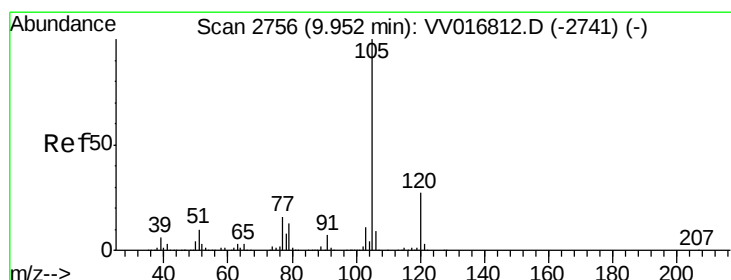
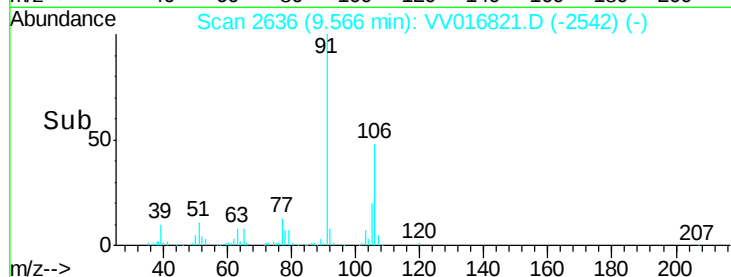
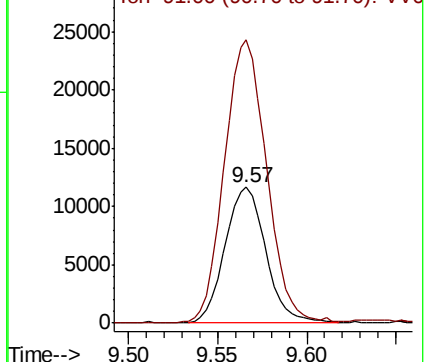
Ion Ratio Lower Upper

106 100

91 208.4 155.9 289.5



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



#56

Isopropylbenzene

Concen: 11.066 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016821.D

Acq: 11 Jun 2020 12:57

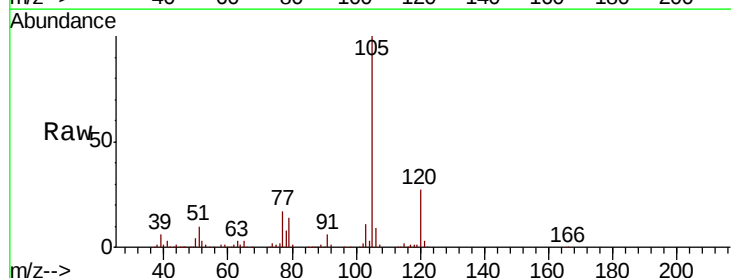
Tgt Ion:105 Resp: 124416

Ion Ratio Lower Upper

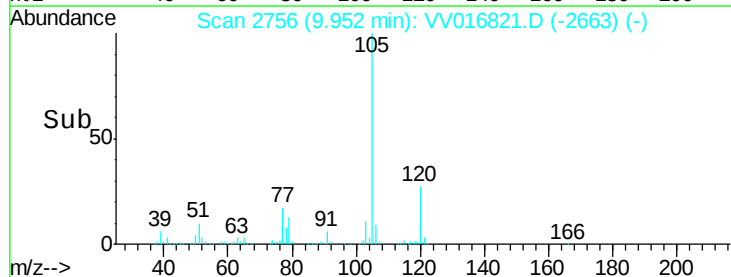
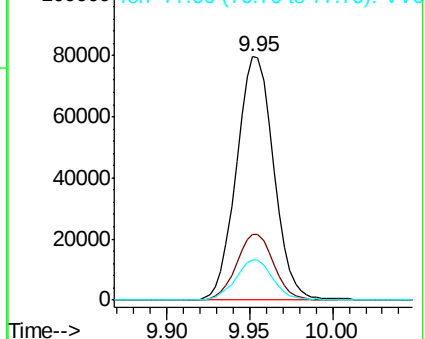
105 100

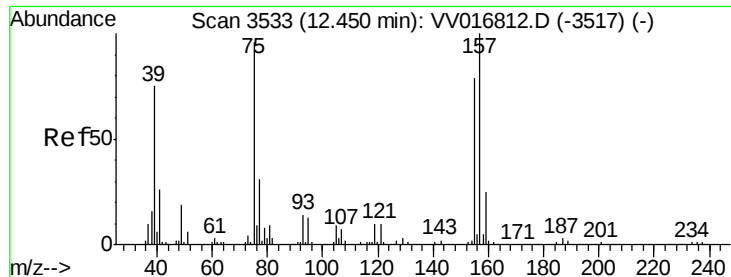
120 27.1 21.2 31.8

77 16.5 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

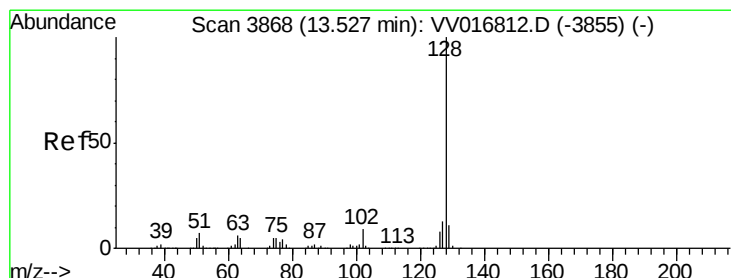
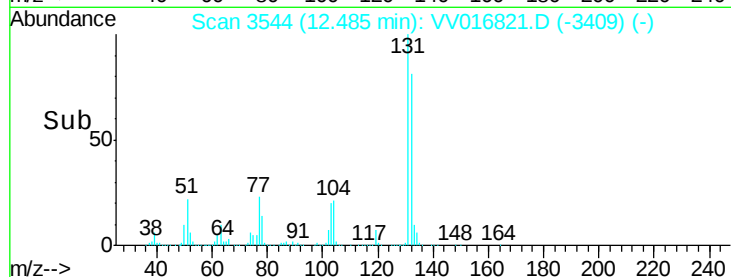
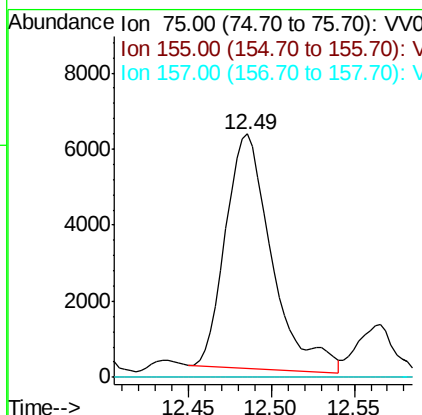
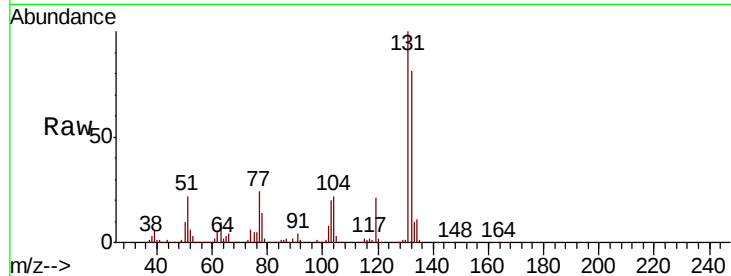




#66
 1,2-Dibromo-3-chloropropane
 Concen: 13.502 ug/L
 RT: 12.49 min Scan# 3544
 Delta R.T. 0.04 min
 Lab File: VV016821.D
 Acq: 11 Jun 2020 12:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 11892
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.8 104.6#
 157 0.0 83.4 125.2#



#69
 Naphthalene
 Concen: 177.918 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV016821.D
 Acq: 11 Jun 2020 12:57

Tgt Ion: 128 Resp: 1956486
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.5 15.7
 129 11.0 8.7 13.1

