

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051320\
 Data File : VV016048.D
 Acq On : 13 May 2020 18:25
 Operator : SY/MD
 Sample : L2598-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 14 02:31:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 02:25:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	155236	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	155811	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	69807	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51345	6.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.00%
7) Chloroethane-d5	1.58	69	47691	5.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.40%
11) 1,1-Dichloroethene-d2	2.13	63	74625	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.40%
20) 2-Butanone-d5	3.93	46	123890	51.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.14%
24) Chloroform-d	4.38	84	100373	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.06	65	54627	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.08	84	196745	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.10	67	59492	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.34	98	171316	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
45) trans-1,3-Dichloropropene-	7.65	79	18691	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
48) 2-Hexanone-d5	8.12	63	91390	46.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.68%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	40746	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	62045	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

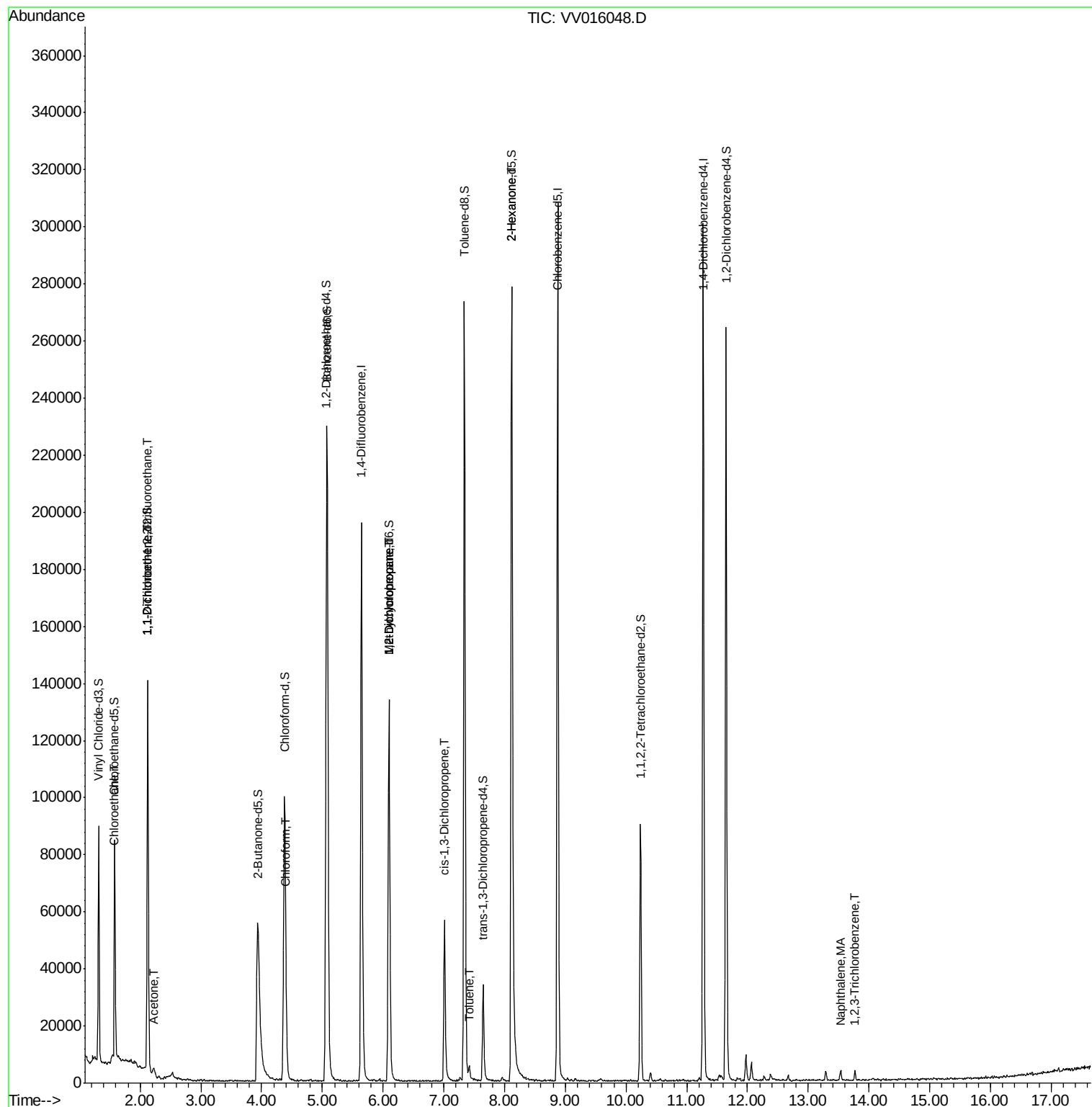
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.57	64	8336	1.016	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	646	0.072	ug/L #	22
12) 1,1-Dichloroethene	2.13	96	720	0.084	ug/L #	1
13) Acetone	2.22	43	5225	3.297	ug/L	67
25) Chloroform	4.41	83	2206	0.110	ug/L	88
35) Methylcyclohexane	6.10	83	14930	0.882	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	7387	0.742	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1645	0.117	ug/L #	80
42) Toluene	7.42	91	2824	0.068	ug/L	84
50) 2-Hexanone	8.12	43	13951	3.178	ug/L #	81
70) Naphthalene	13.53	128	3183	0.169	ug/L	97
71) 1,2,3-Trichlorobenzene	13.77	180	995	0.095	ug/L	86

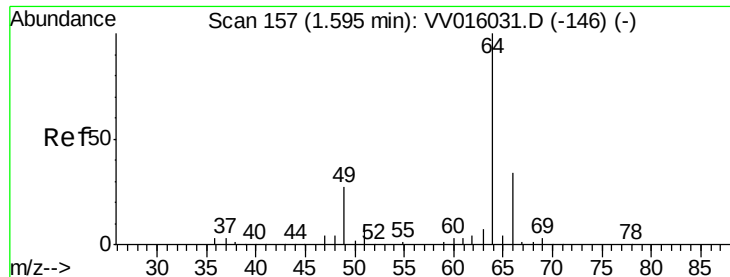
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 1.016 ug/L

RT: 1.57 min Scan# 148

Delta R.T. -0.03 min

Lab File: VV016048.D

Acq: 13 May 2020 18:25

Instrument :

MSVOA_V

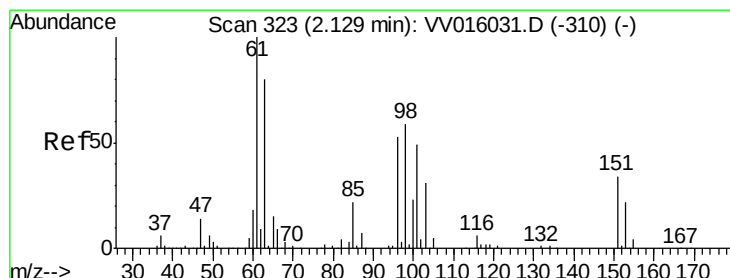
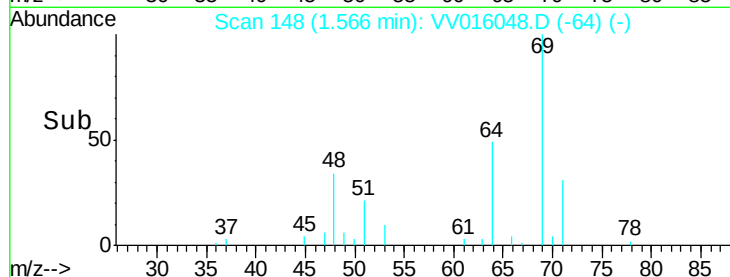
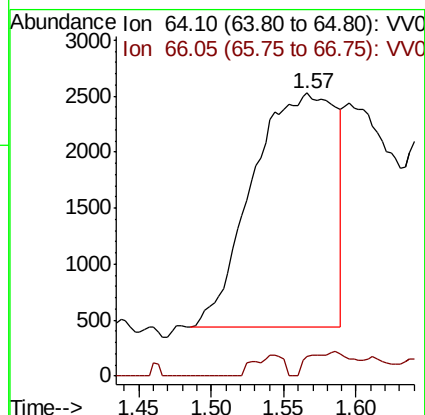
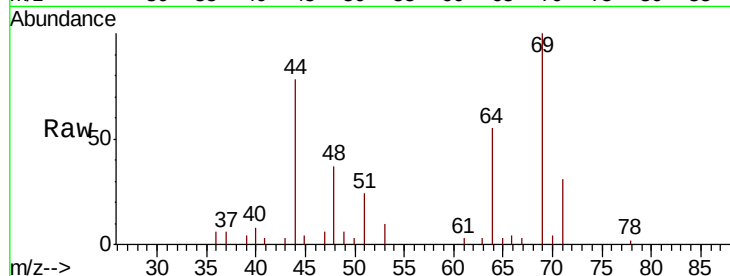
ClientSampleId :

Tot Ion: 64 Resp: 8336

Ion Ratio Lower Upper

64 100

66 6.9 23.6 43.8#



#10

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

Concen: 0.072 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV016048.D

Acq: 13 May 2020 18:25

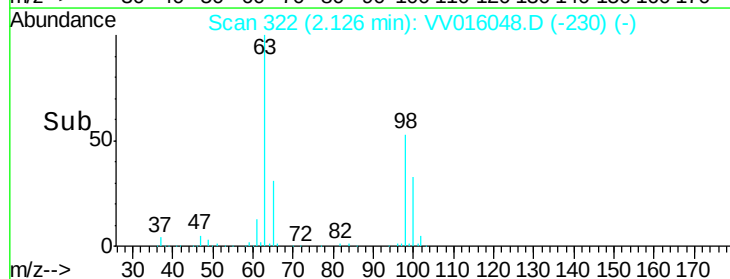
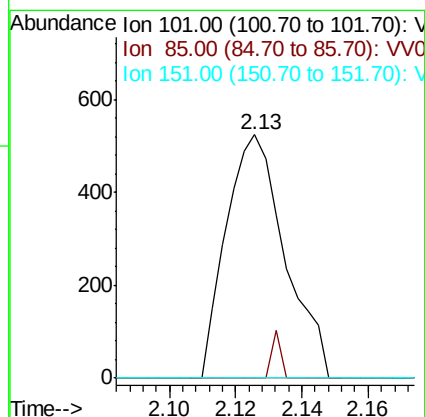
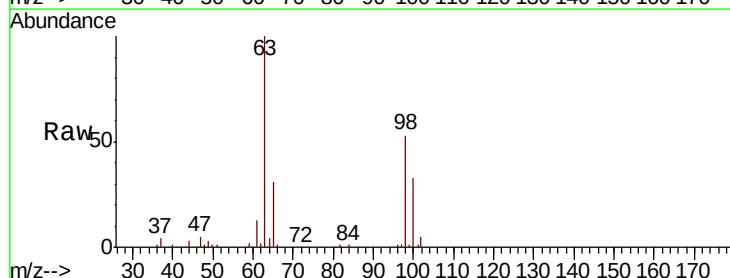
Tgt Ion: 101 Resp: 646

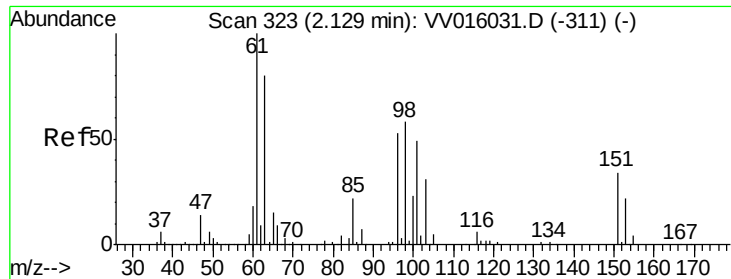
Ion Ratio Lower Upper

101 100

85 3.1 35.7 53.5#

151 0.0 58.0 87.0#

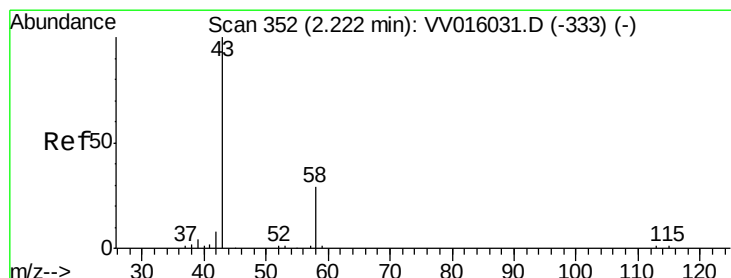
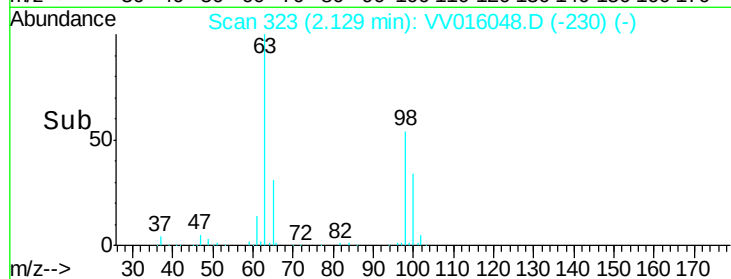
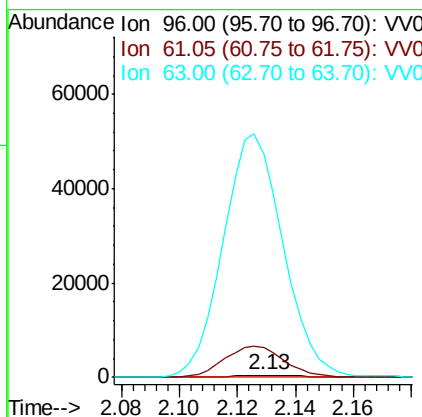
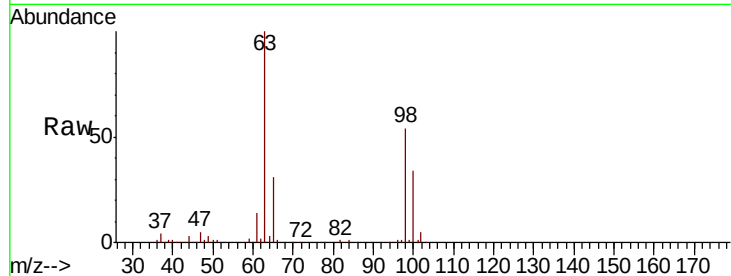




#12
 1,1-Dichloroethene
 Concen: 0.084 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: VV016048.D
 Acq: 13 May 2020 18:25

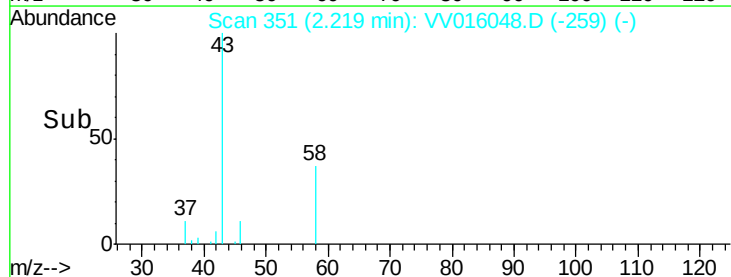
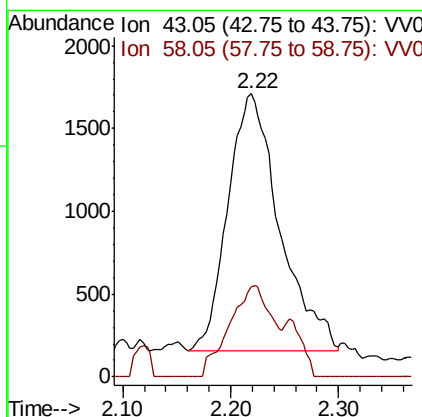
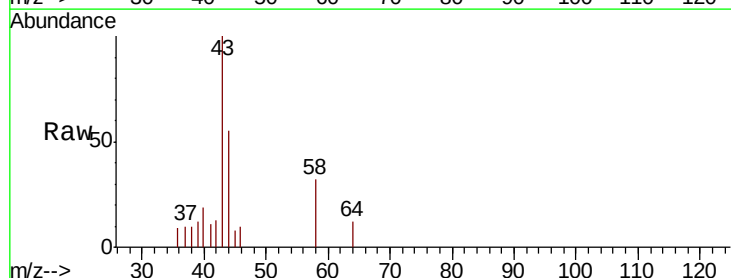
Instrument :
 MSVOA_V
 ClientSampled :

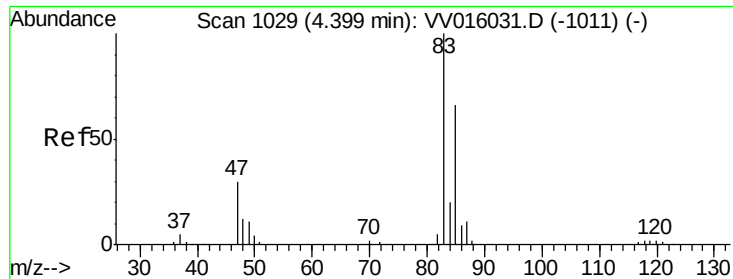
Tot Ion: 96 Resp: 720
 Ion Ratio Lower Upper
 96 100
 61 1353.5 139.9 259.7#
 63 10005.9 106.4 197.6#



#13
 Acetone
 Concen: 3.297 ug/L
 RT: 2.22 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VV016048.D
 Acq: 13 May 2020 18:25

Tgt Ion: 43 Resp: 5225
 Ion Ratio Lower Upper
 43 100
 58 29.3 0.0 30.8

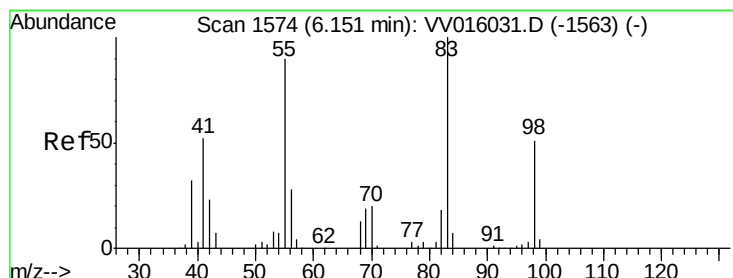
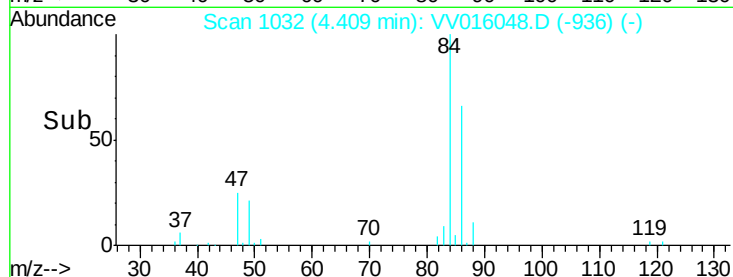
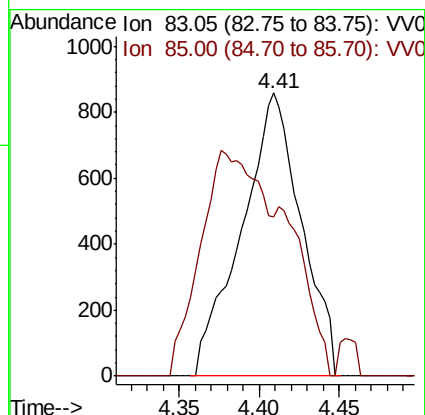
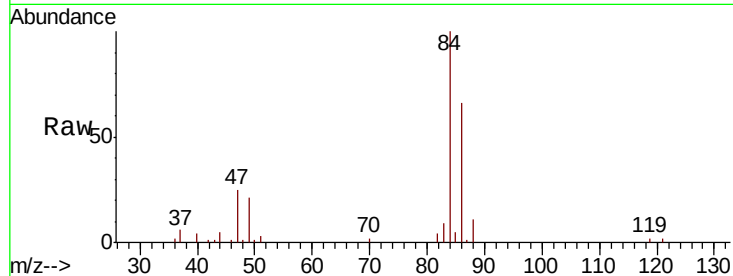




#25
Chloroform
Concen: 0.110 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV016048.D
Acq: 13 May 2020 18:25

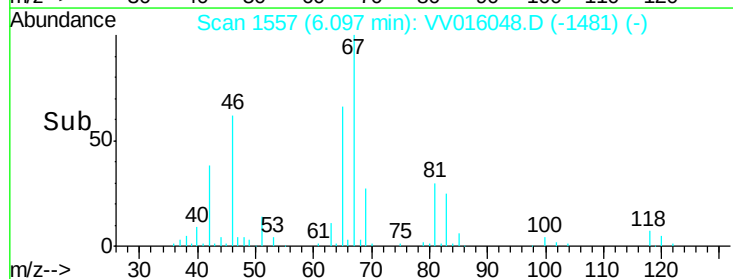
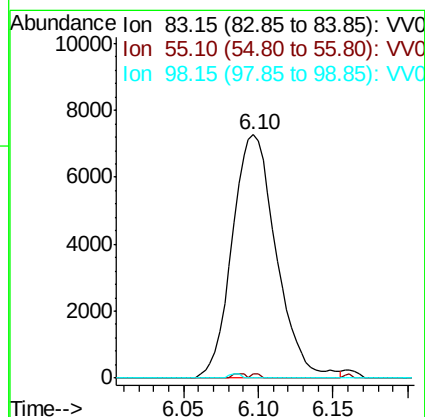
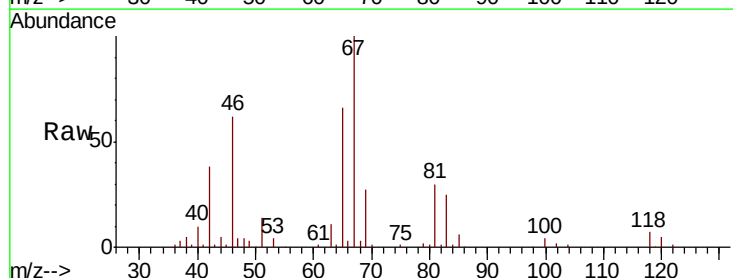
Instrument :
MSVOA_V
ClientSampleId :

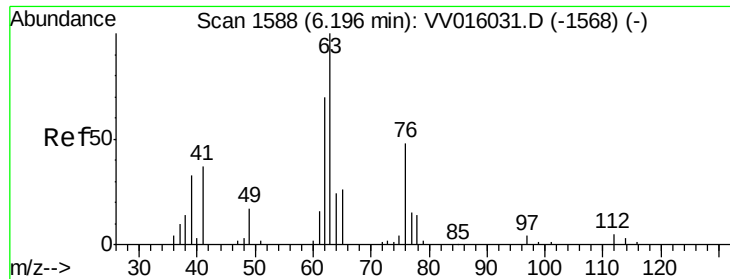
Tot Ion: 83 Resp: 2206
Ion Ratio Lower Upper
83 100
85 56.2 45.7 84.9



#35
Methylcyclohexane
Concen: 0.882 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV016048.D
Acq: 13 May 2020 18:25

Tgt Ion: 83 Resp: 14930
Ion Ratio Lower Upper
83 100
55 0.3 66.2 99.2#
98 0.0 37.9 56.9#

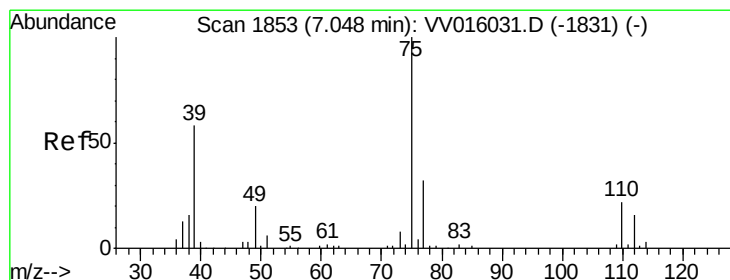
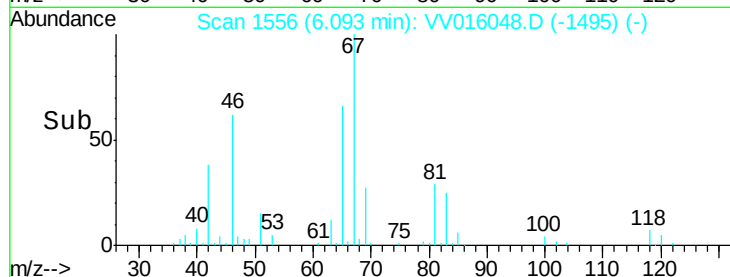
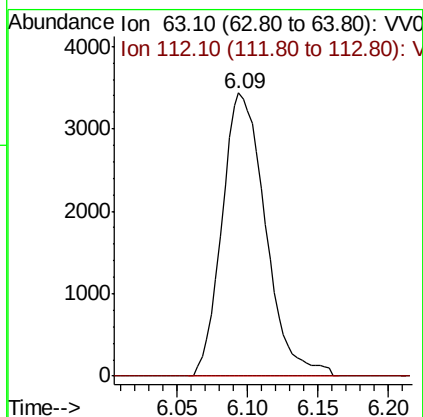
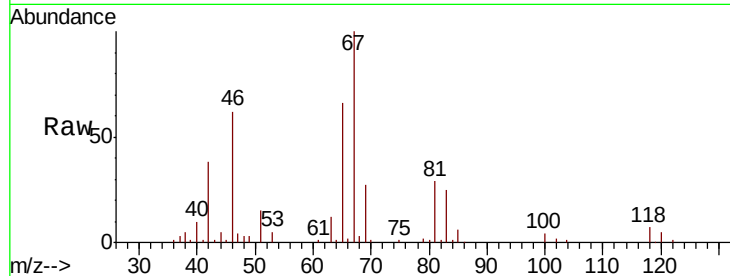




#37
 1,2-Dichloropropane
 Concen: 0.742 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV016048.D
 Acq: 13 May 2020 18:25

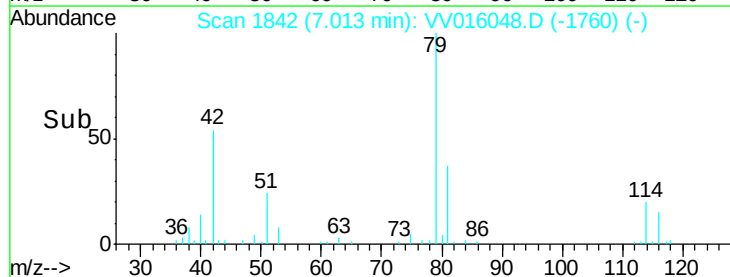
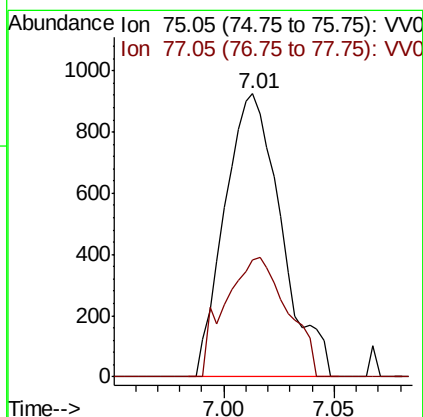
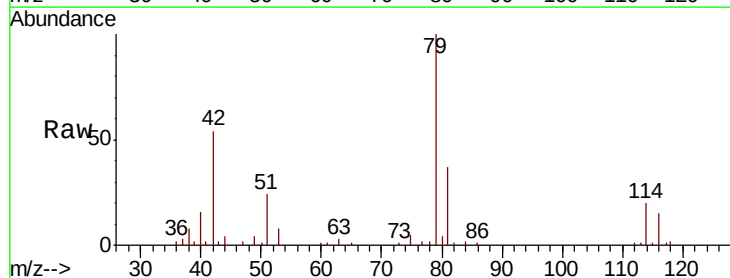
Instrument :
 MSVOA_V
 ClientSampleId :

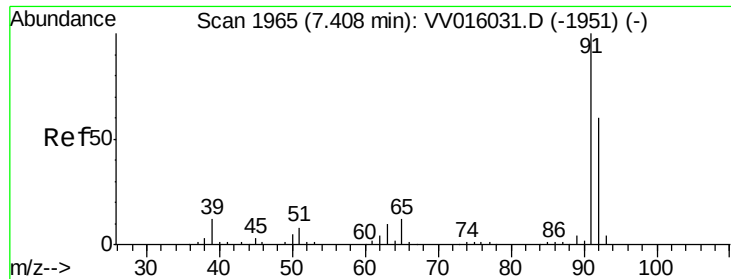
Tot Ion: 63 Resp: 7387
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.117 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016048.D
 Acq: 13 May 2020 18:25

Tgt Ion: 75 Resp: 1645
 Ion Ratio Lower Upper
 75 100
 77 41.2 21.3 39.5#





#42

Toluene

Concen: 0.068 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV016048.D

Acq: 13 May 2020 18:25

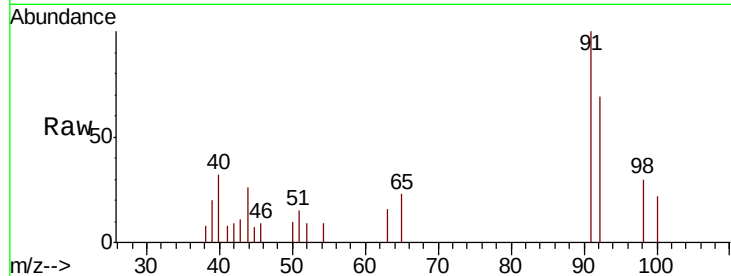
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 2824

Ion Ratio Lower Upper

91 100

92 69.1 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.42

1500

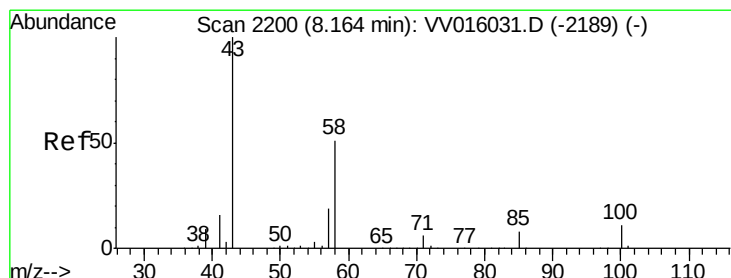
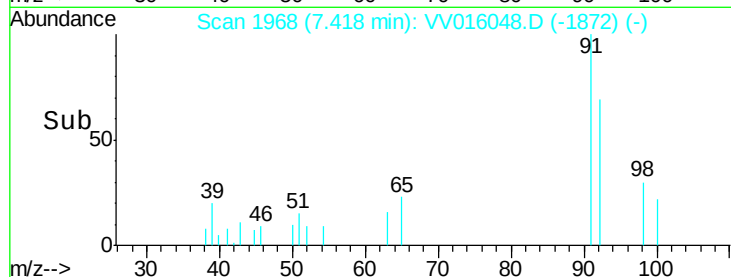
1000

500

0

Time-->

7.35 7.40 7.45 7.50



#50

2-Hexanone

Concen: 3.178 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016048.D

Acq: 13 May 2020 18:25

Tgt Ion: 43 Resp: 13951

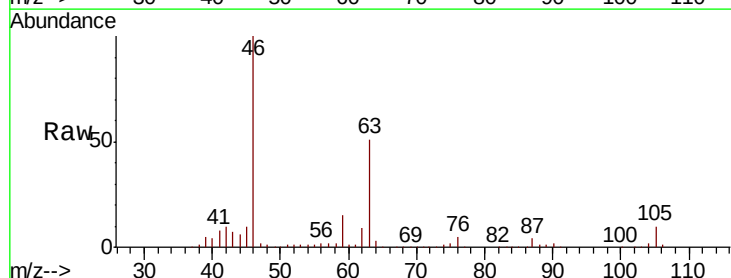
Ion Ratio Lower Upper

43 100

58 38.1 40.8 61.2#

57 23.9 14.7 22.1#

100 0.1 9.0 13.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

10000

8000

6000

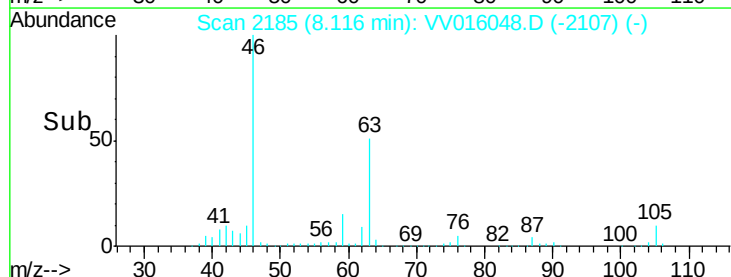
4000

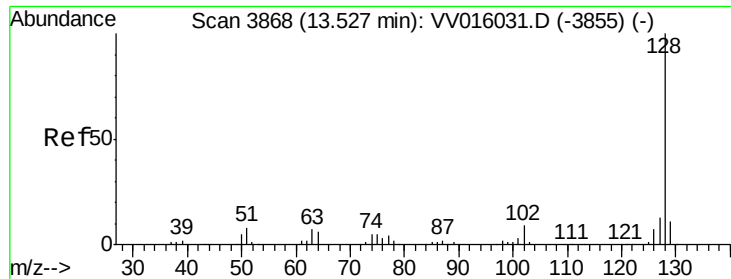
2000

0

Time-->

8.05 8.10 8.15





#70

Naphthalene

Concen: 0.169 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016048.D

Acq: 13 May 2020 18:25

Instrument :

MSVOA_V

ClientSampleId :

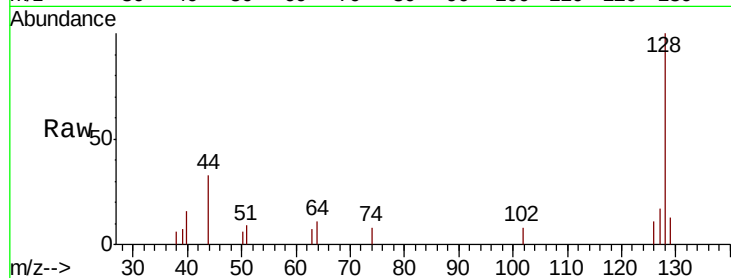
Tot Ion:128 Resp: 3183

Ion Ratio Lower Upper

128 100

129 8.5 8.5 12.7

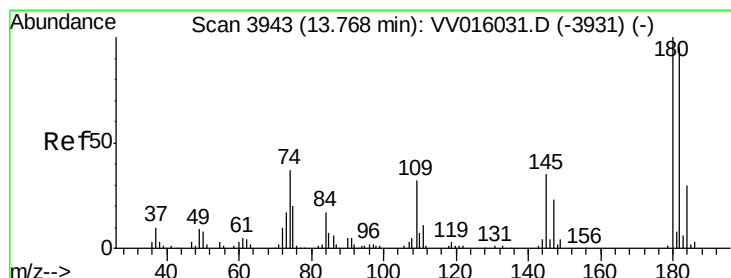
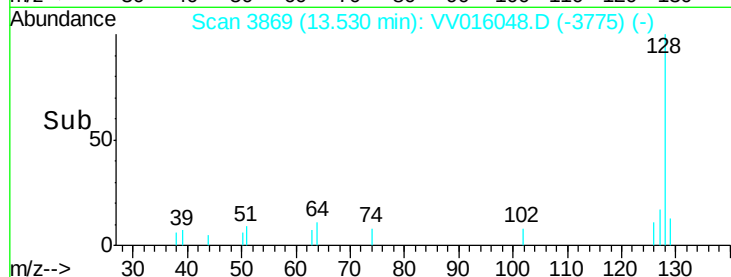
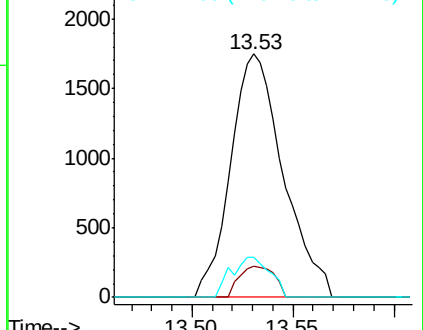
127 12.3 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#71

1,2,3-Trichlorobenzene

Concen: 0.095 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016048.D

Acq: 13 May 2020 18:25

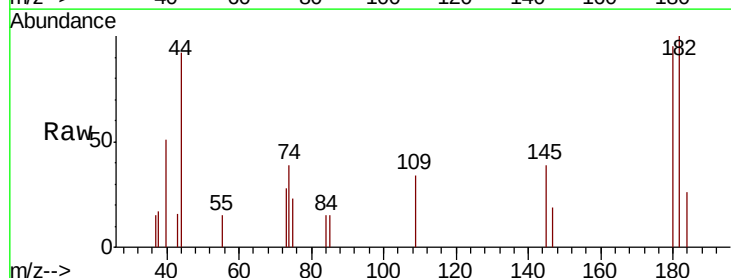
Tgt Ion:180 Resp: 995

Ion Ratio Lower Upper

180 100

182 113.6 77.0 115.6

145 38.2 28.3 42.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

