

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052220\
 Data File : VV016170.D
 Acq On : 22 May 2020 15:09
 Operator : SY/MD
 Sample : L2731-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 23 05:10:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 23 05:08:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	126966	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	121713	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	56137	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41757	6.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	121.20%
7) Chloroethane-d5	1.58	69	36796	5.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.80%
11) 1,1-Dichloroethene-d2	2.12	63	66944	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	3.97	46	67605	34.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.82%
24) Chloroform-d	4.38	84	79208	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.06	65	39723	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.08	84	154829	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.10	67	46669	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.34	98	141076	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
45) trans-1,3-Dichloropropene-	7.65	79	14686	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
48) 2-Hexanone-d5	8.12	63	54488	35.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.50%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	26730	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	47696	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

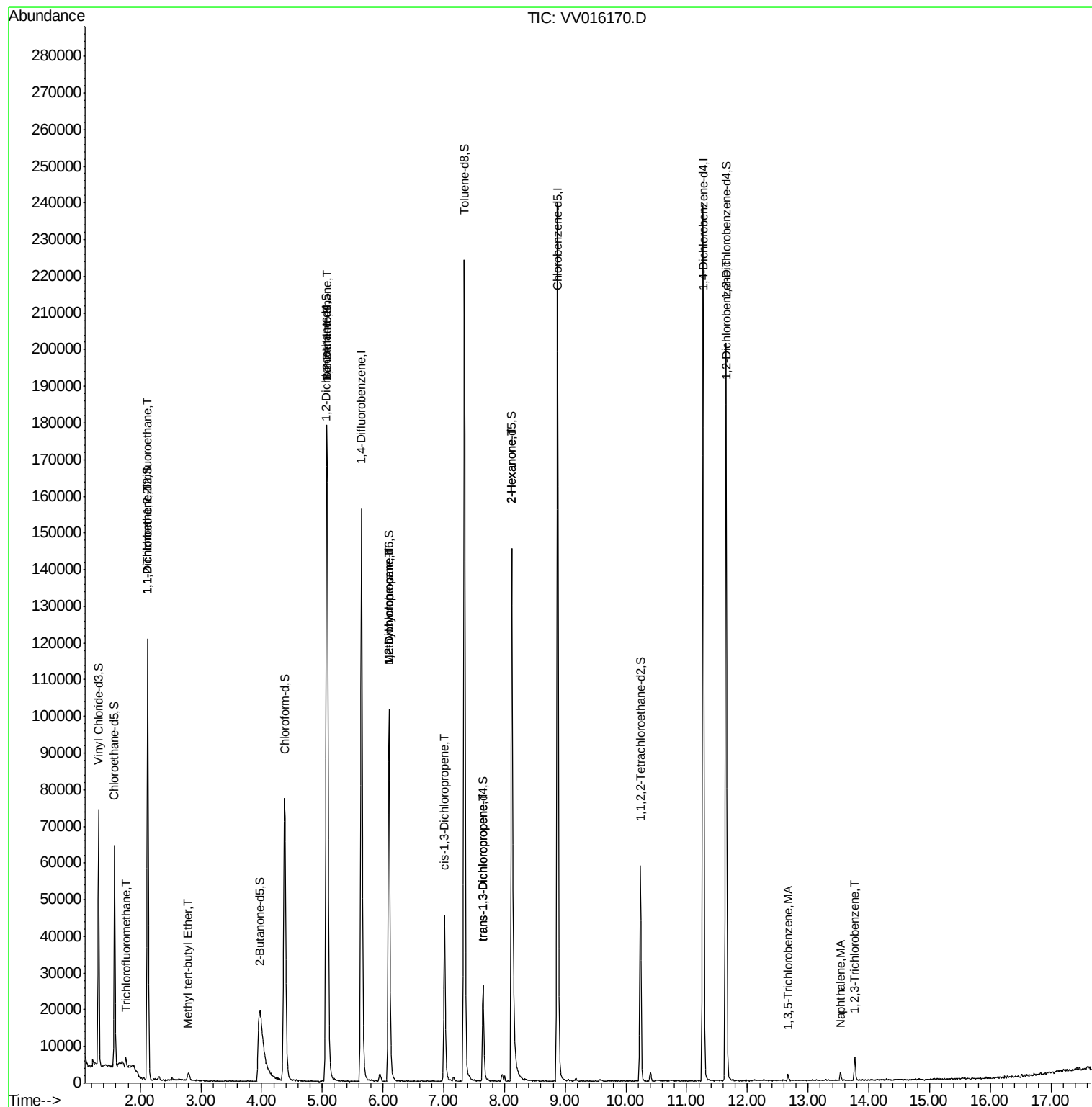
					Ovalue
9) Trichlorofluoromethane	1.77	101	1384	0.107 ug/L	88
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	610	0.084 ug/L #	20
12) 1,1-Dichloroethene	2.13	96	569	0.081 ug/L #	1
17) Methyl tert-butyl Ether	2.79	73	2064	0.114 ug/L #	74
27) 1,2-Dichloroethane	5.08	62	1150	0.114 ug/L #	76
35) Methylcyclohexane	6.10	83	11507	0.870 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	5775	0.742 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1222	0.111 ug/L #	60
46) trans-1,3-Dichloropropene	7.64	75	801	0.086 ug/L	88
50) 2-Hexanone	8.12	43	7160	2.088 ug/L #	78
66) 1,2-Dichlorobenzene	11.66	146	1031	0.075 ug/L #	53
68) 1,3,5-Trichlorobenzene	12.67	180	697	0.063 ug/L #	85
70) Naphthalene	13.53	128	2102	0.139 ug/L #	92
71) 1,2,3-Trichlorobenzene	13.77	180	2336	0.279 ug/L	89

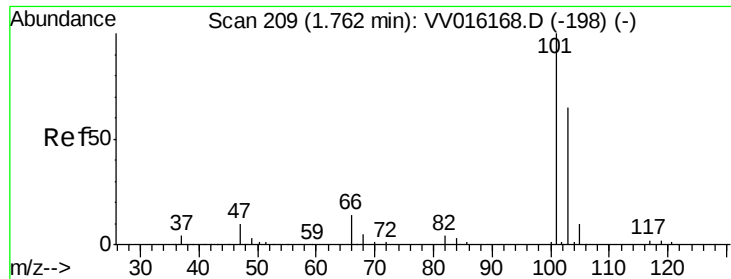
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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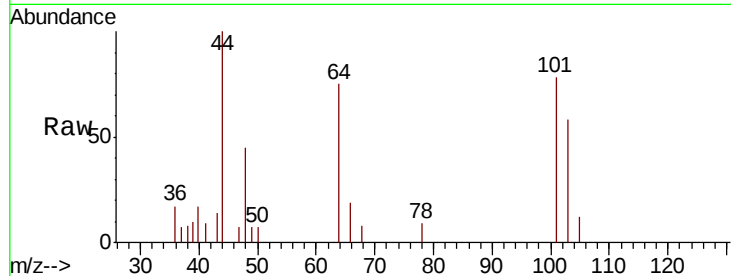


#9

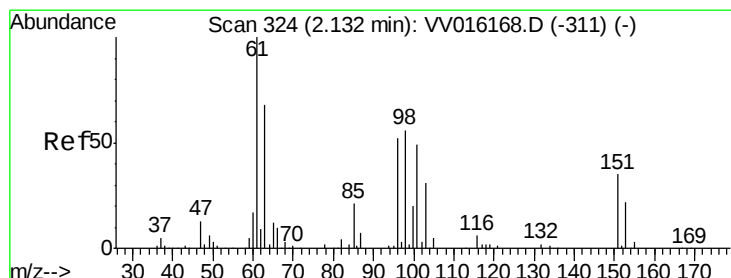
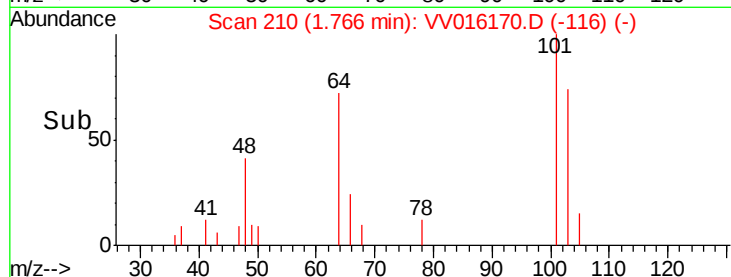
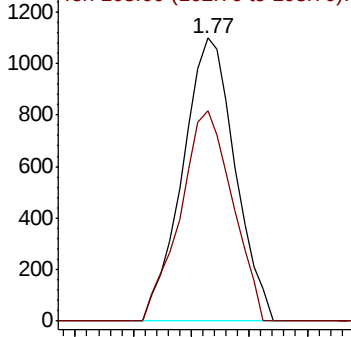
Trichlorofluoromethane
 Concen: 0.107 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VV016170.D
 Acq: 22 May 2020 15:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:101 Resp: 1384
 Ion Ratio Lower Upper
 101 100
 103 73.7 51.4 77.2



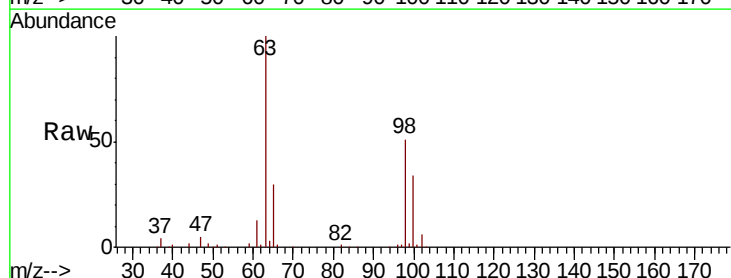
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



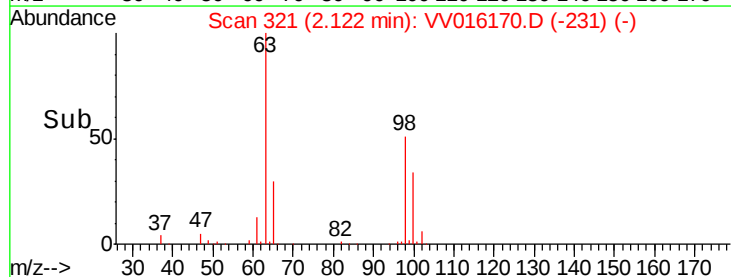
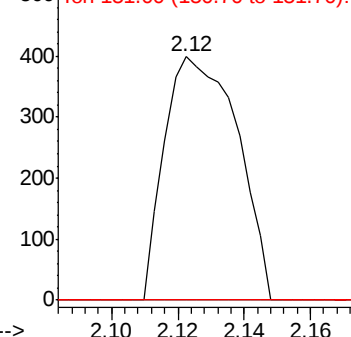
#10

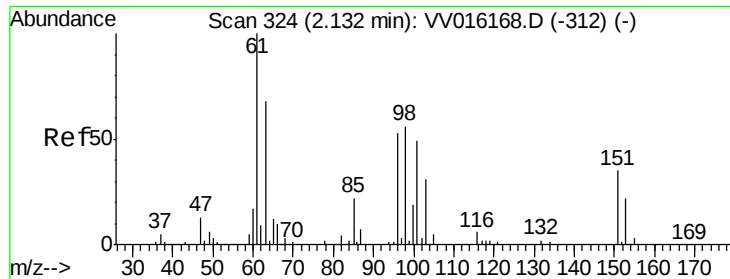
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.084 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV016170.D
 Acq: 22 May 2020 15:09

Tgt Ion:101 Resp: 610
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.7 53.5#
 151 0.0 58.0 87.0#



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: 0.081 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016170.D

Acq: 22 May 2020 15:09

Instrument :

MSVOA_V

ClientSampled :

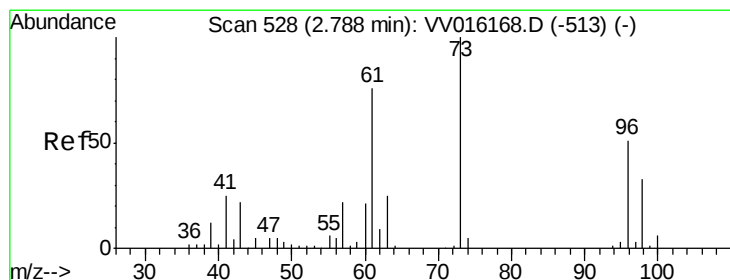
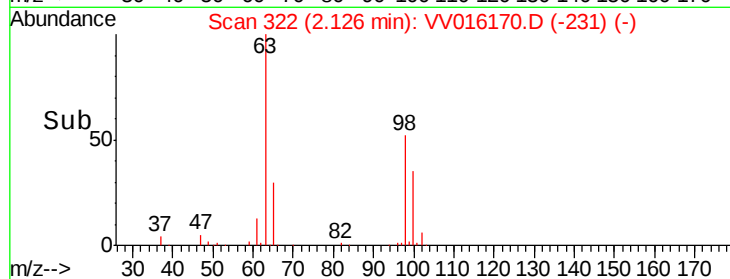
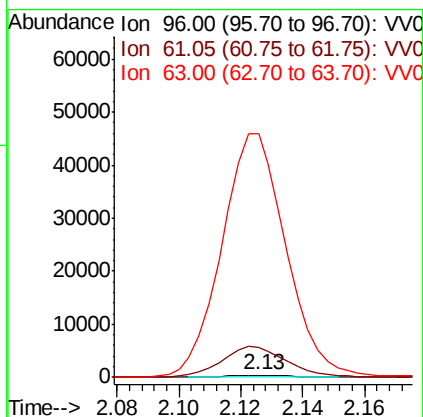
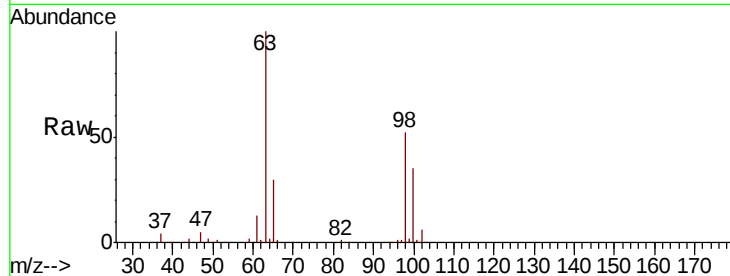
Tot Ion: 96 Resp: 569

Ion Ratio Lower Upper

96 100

61 1423.3 139.9 259.7#

63 11358.4 106.4 197.6#



#17

Methyl tert-butyl Ether

Concen: 0.114 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

Lab File: VV016170.D

Acq: 22 May 2020 15:09

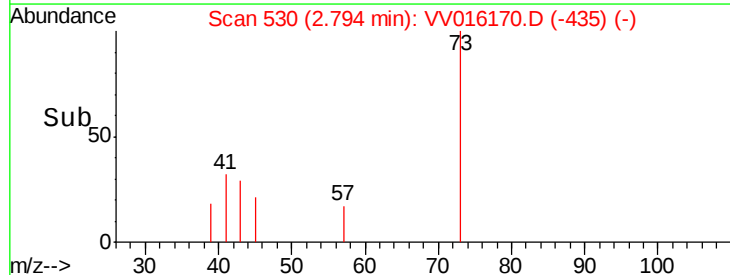
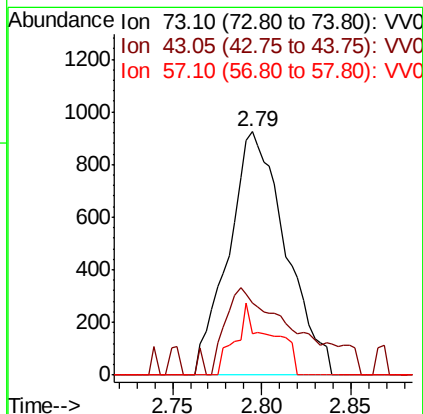
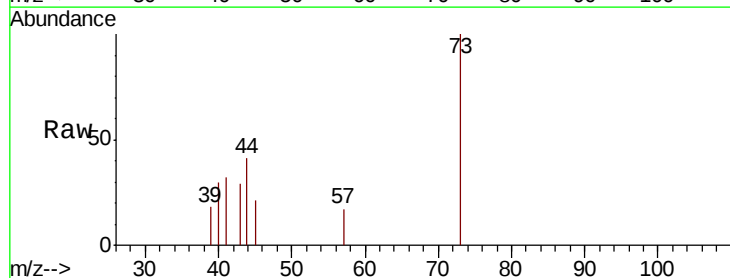
Tgt Ion: 73 Resp: 2064

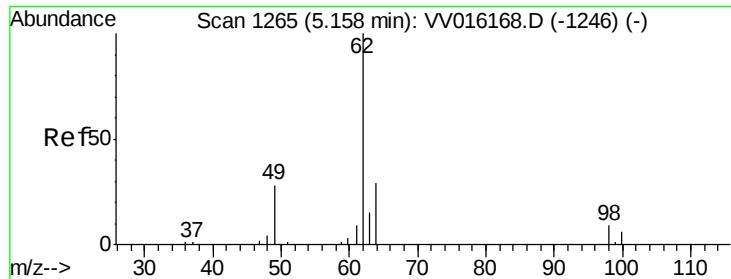
Ion Ratio Lower Upper

73 100

43 44.2 18.8 28.2#

57 18.1 17.8 26.6

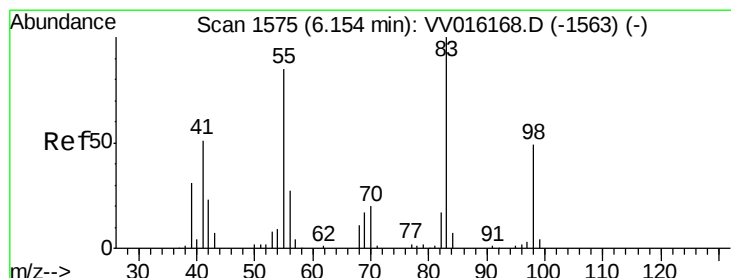
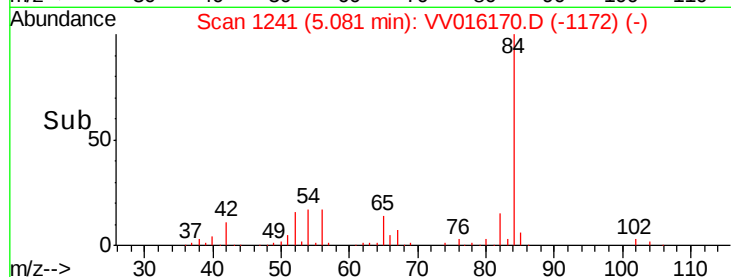
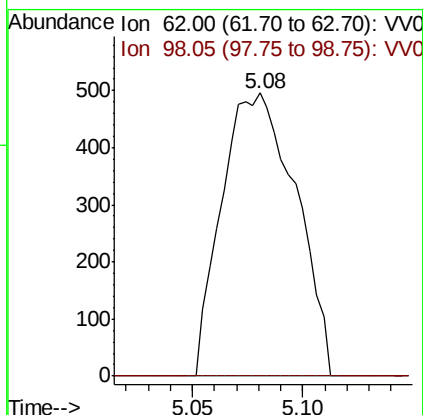
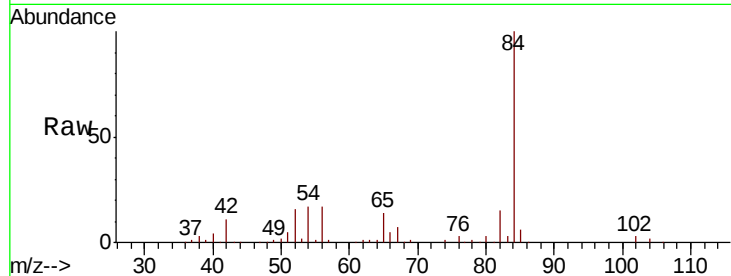




#27
 1,2-Dichloroethane
 Concen: 0.114 ug/L
 RT: 5.08 min Scan# 1241
 Delta R.T. -0.08 min
 Lab File: VV016170.D
 Acq: 22 May 2020 15:09

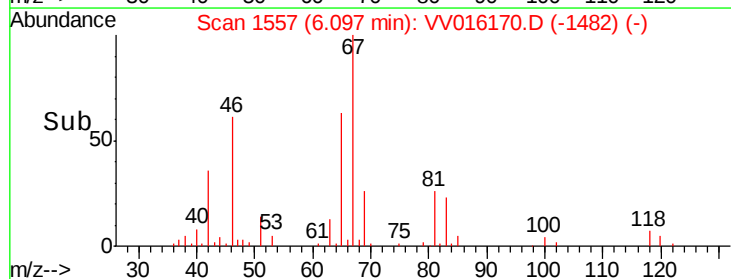
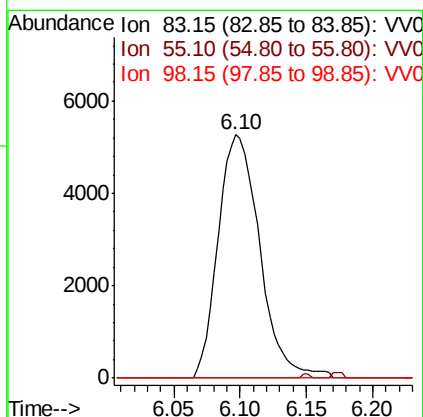
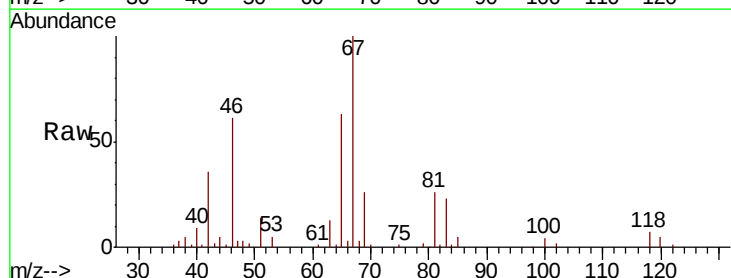
Instrument :
 MSVOA_V
 ClientSampled :

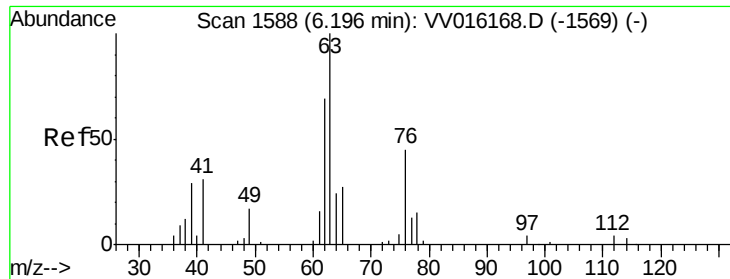
Tot Ion: 62 Resp: 1150
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#



#35
 Methylcyclohexane
 Concen: 0.870 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.06 min
 Lab File: VV016170.D
 Acq: 22 May 2020 15:09

Tgt Ion: 83 Resp: 11507
 Ion Ratio Lower Upper
 83 100
 55 0.3 66.2 99.2#
 98 0.0 37.9 56.9#

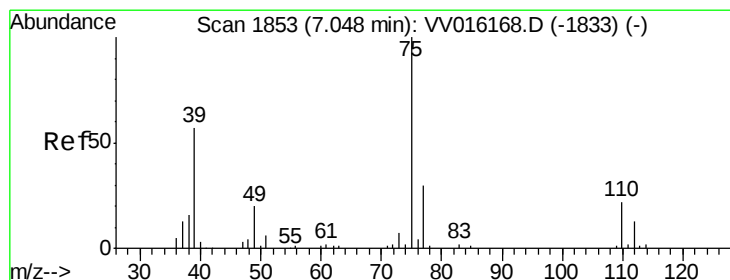
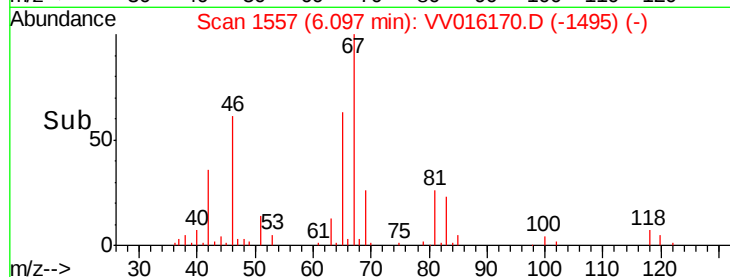
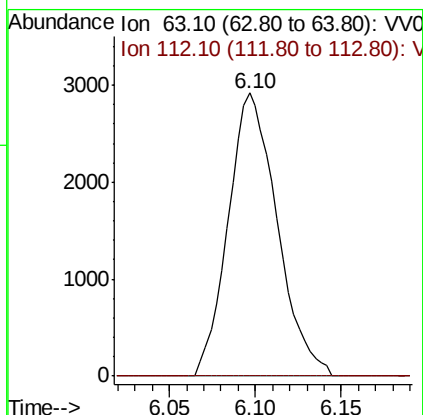
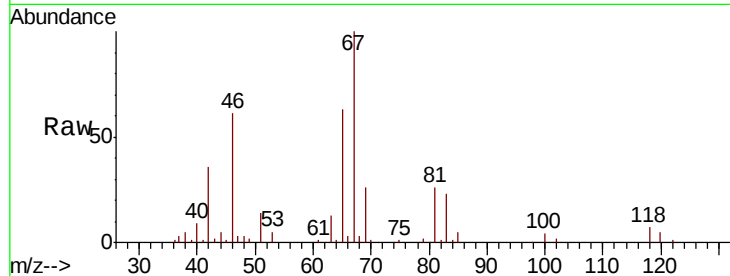




#37
 1,2-Dichloropropane
 Concen: 0.742 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016170.D
 Acq: 22 May 2020 15:09

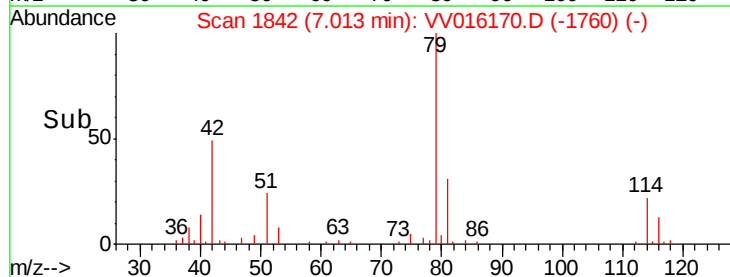
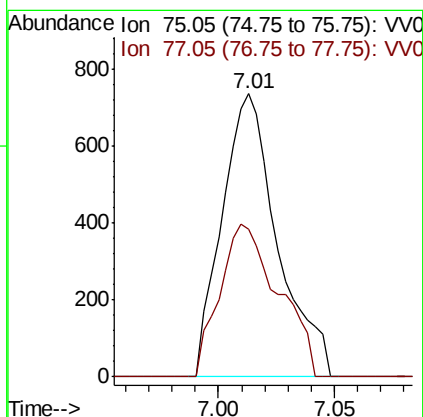
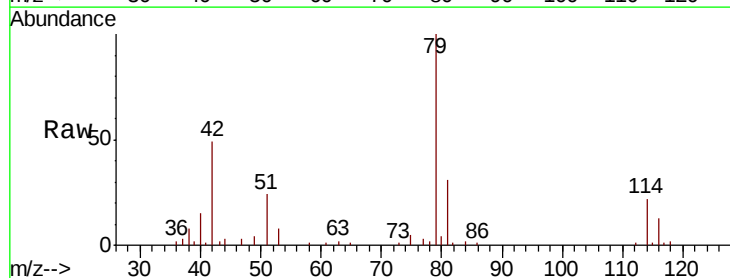
Instrument :
 MSVOA_V
 ClientSampleId :

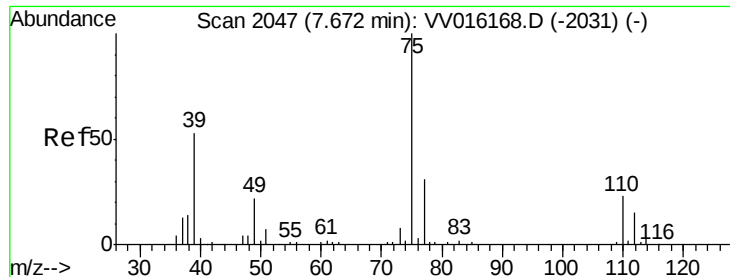
Tot Ion: 63 Resp: 5775
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.111 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016170.D
 Acq: 22 May 2020 15:09

Tgt Ion: 75 Resp: 1222
 Ion Ratio Lower Upper
 75 100
 77 52.2 21.3 39.5#





#46

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016170.D

Acq: 22 May 2020 15:09

Instrument :

MSVOA_V

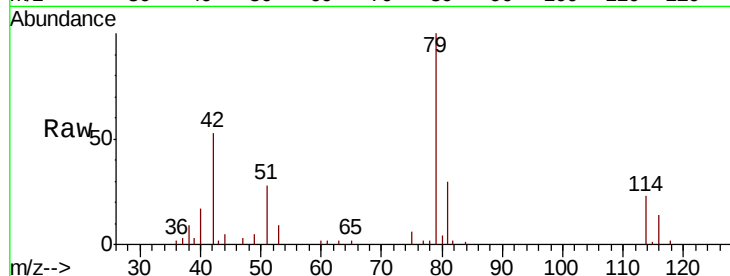
ClientSampled :

Tot Ion: 75 Resp: 801

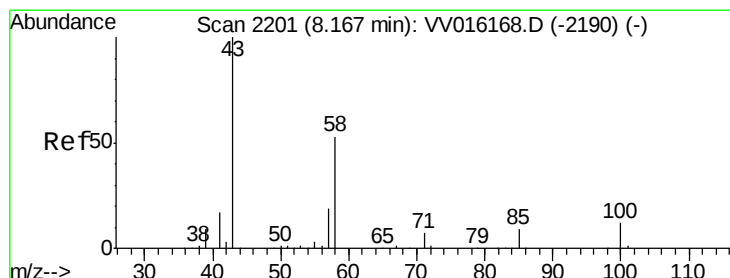
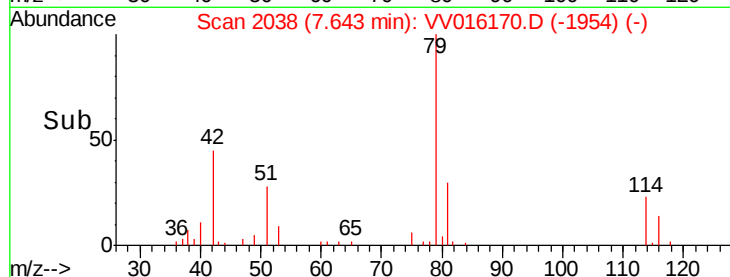
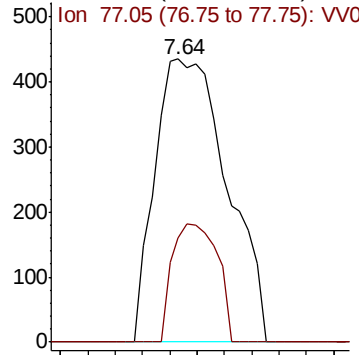
Ion Ratio Lower Upper

75 100

77 37.0 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV016170.D (-1954) (-)



#50

2-Hexanone

Concen: 2.088 ug/L

RT: 8.12 min Scan# 2186

Delta R.T. -0.05 min

Lab File: VV016170.D

Acq: 22 May 2020 15:09

Tgt Ion: 43 Resp: 7160

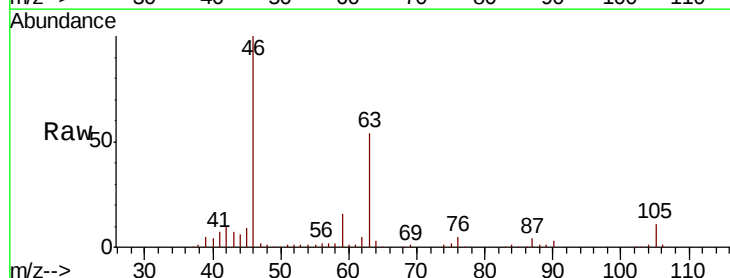
Ion Ratio Lower Upper

43 100

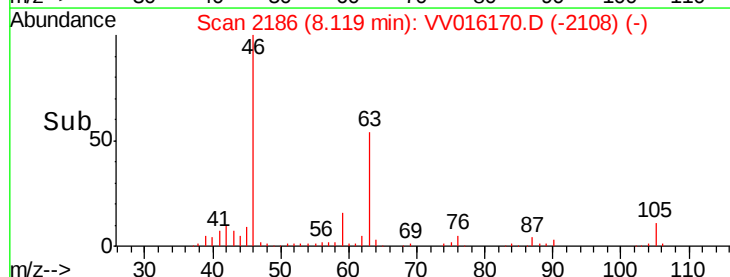
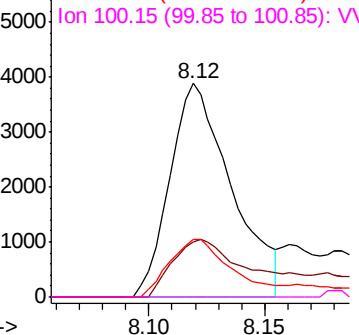
58 35.8 40.8 61.2#

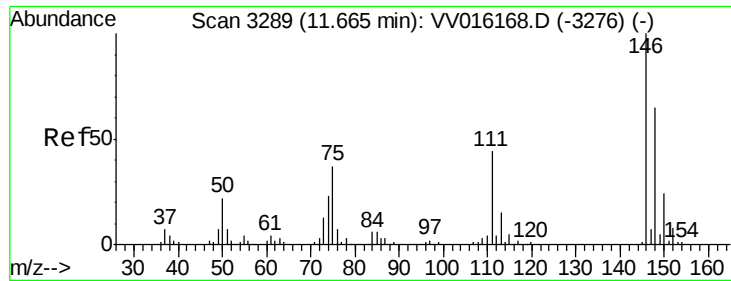
57 27.7 14.7 22.1#

100 0.9 9.0 13.6#



Abundance Ion 43.05 (42.75 to 43.75): VV016170.D (-2108) (-)

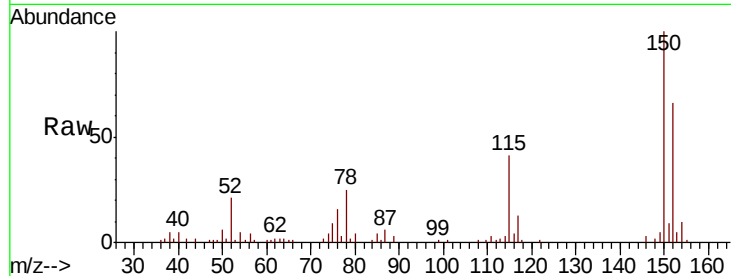




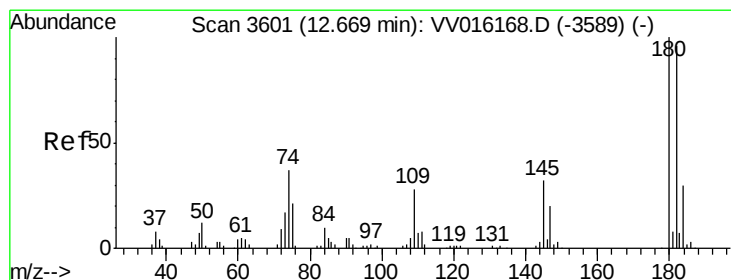
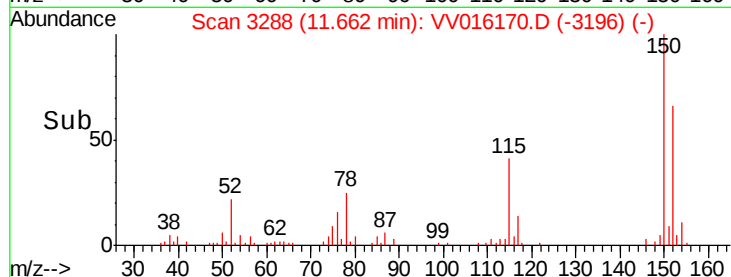
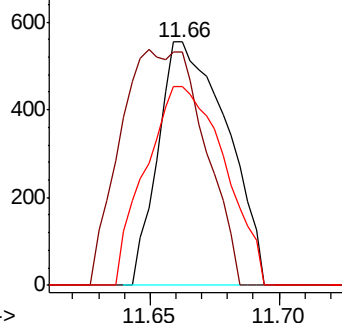
#66
 1,2-Dichlorobenzene
 Concen: 0.075 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: VV016170.D
 Acq: 22 May 2020 15:09

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 1031
 Ion Ratio Lower Upper
 146 100
 111 95.9 37.0 55.4#
 148 81.8 49.8 74.6#

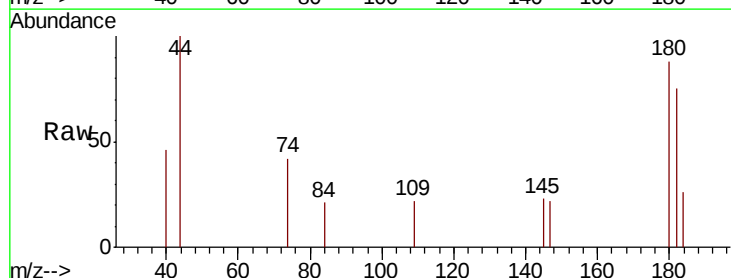


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

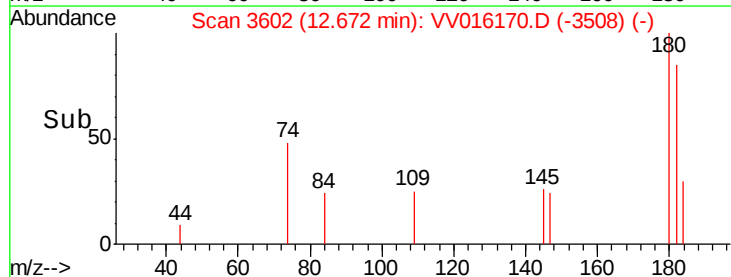
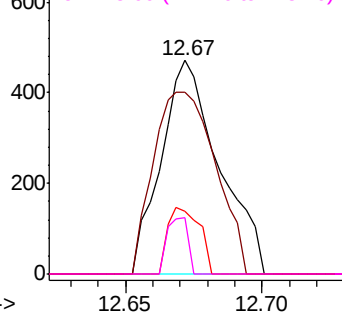


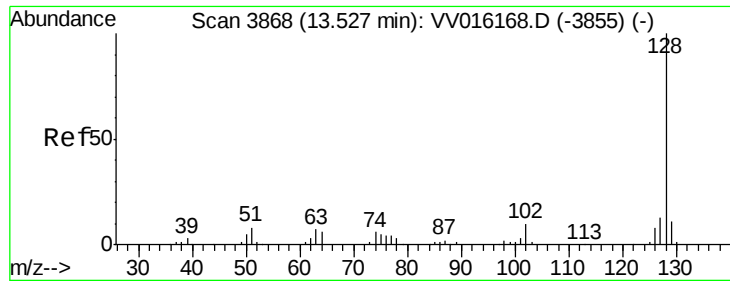
#68
 1,3,5-Trichlorobenzene
 Concen: 0.063 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV016170.D
 Acq: 22 May 2020 15:09

Tgt Ion:180 Resp: 697
 Ion Ratio Lower Upper
 180 100
 182 91.2 75.8 113.6
 184 17.1 24.6 36.8#
 145 9.8 26.0 39.0#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

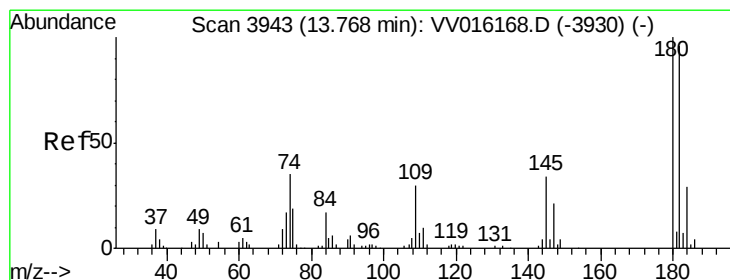
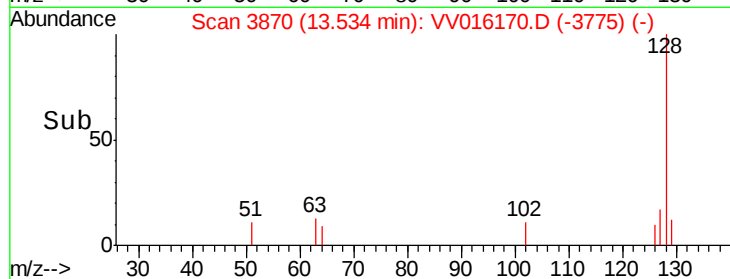
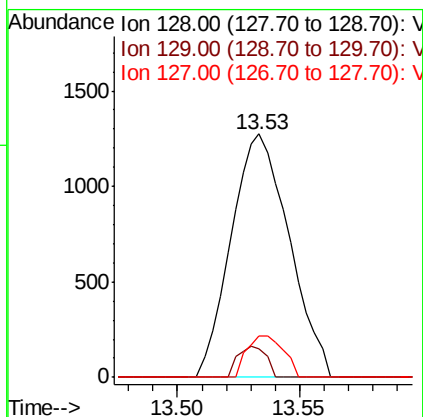
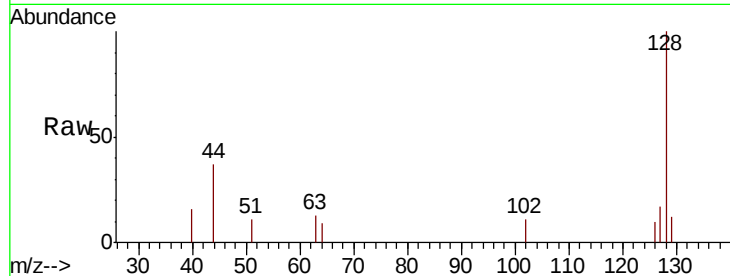




#70
Naphthalene
Concen: 0.139 ug/L
RT: 13.53 min Scan# 3870
Delta R.T. 0.01 min
Lab File: VV016170.D
Acq: 22 May 2020 15:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 2102
Ion Ratio Lower Upper
128 100
129 6.1 8.5 12.7#
127 10.8 10.2 15.2



#71
1,2,3-Trichlorobenzene
Concen: 0.279 ug/L
RT: 13.77 min Scan# 3944
Delta R.T. 0.00 min
Lab File: VV016170.D
Acq: 22 May 2020 15:09

Tgt Ion:180 Resp: 2336
Ion Ratio Lower Upper
180 100
182 83.3 77.0 115.6
145 32.6 28.3 42.5

