

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052720\
 Data File : VV016238.D
 Acq On : 27 May 2020 19:17
 Operator : SY/MD
 Sample : L2755-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 28 01:26:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 28 01:17:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	82951	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	81996	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	36144	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26252	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.58	69	24252	5.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.13	63	38006	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	3.94	46	73366	55.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.04%
24) Chloroform-d	4.38	84	54013	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.06	65	29995	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
32) Benzene-d6	5.08	84	104102	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.10	67	32714	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.34	98	92375	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
45) trans-1,3-Dichloropropene-	7.65	79	10797	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
48) 2-Hexanone-d5	8.12	63	52079	48.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.96%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	23576	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	32498	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

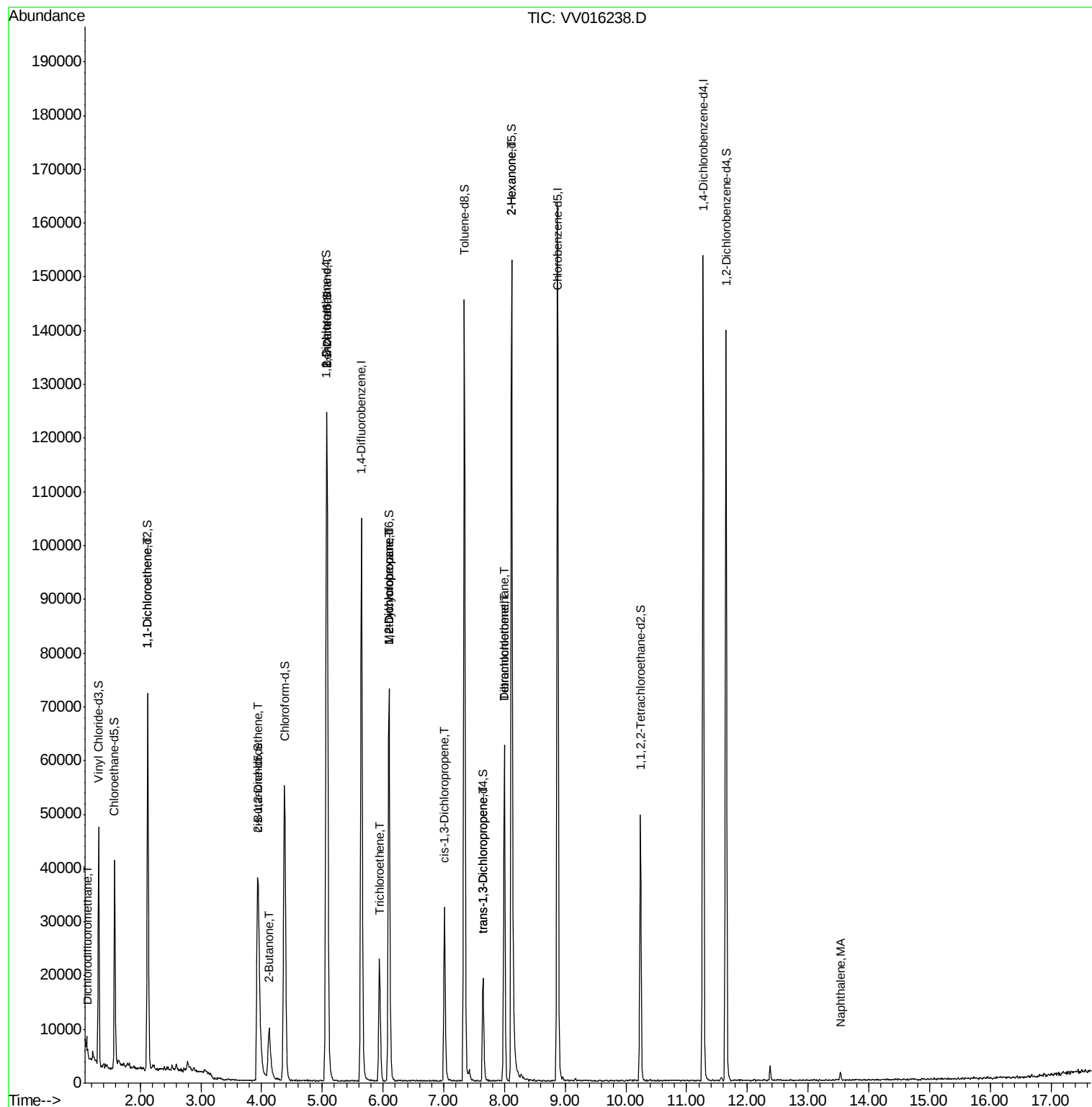
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	524	0.072	ug/L	99
12) 1,1-Dichloroethene	2.13	96	463	0.095	ug/L #	1
21) 2-Butanone	4.12	43	17229	11.840	ug/L #	57
22) cis-1,2-Dichloroethene	3.94	96	1602	0.253	ug/L	77
27) 1,2-Dichloroethane	5.08	62	681	0.097	ug/L #	79
34) Trichloroethene	5.94	95	8059	1.311	ug/L	97
35) Methylcyclohexane	6.10	83	8039	0.775	ug/L #	16
37) 1,2-Dichloropropane	6.10	63	4028	0.696	ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	953	0.116	ug/L #	68
46) trans-1,3-Dichloropropene	7.65	75	443	0.065	ug/L #	72
49) Tetrachloroethene	8.00	164	12273	2.781	ug/L	96
50) 2-Hexanone	8.12	43	7745	3.084	ug/L #	76
51) Dibromochloromethane	8.00	129	12288	3.048	ug/L #	10
70) Naphthalene	13.53	128	1684	0.112	ug/L #	95

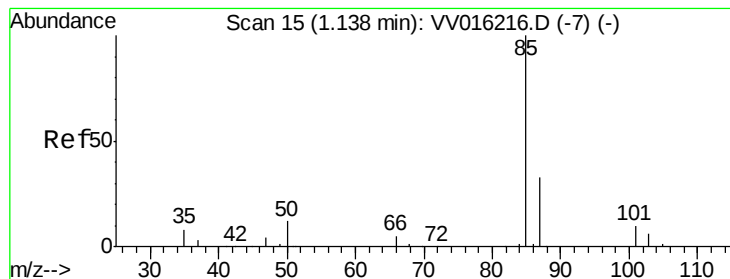
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052720\
Data File : VV016238.D
Acq On : 27 May 2020 19:17
Operator : SY/MD
Sample : L2755-12
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :

Quant Time: May 28 01:26:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 28 01:17:22 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.072 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016238.D

Acq: 27 May 2020 19:17

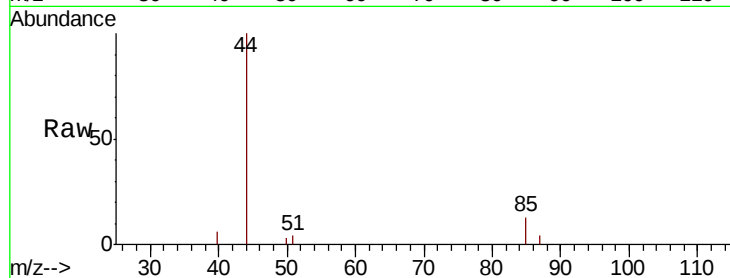
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 524

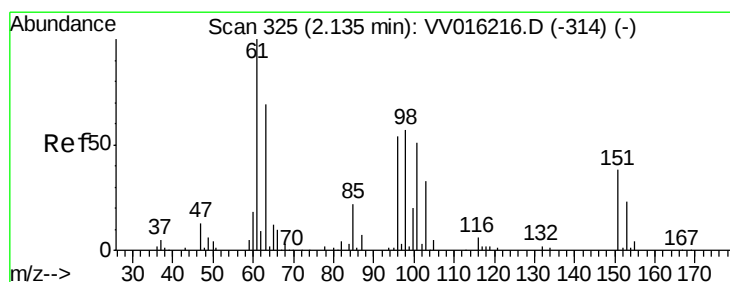
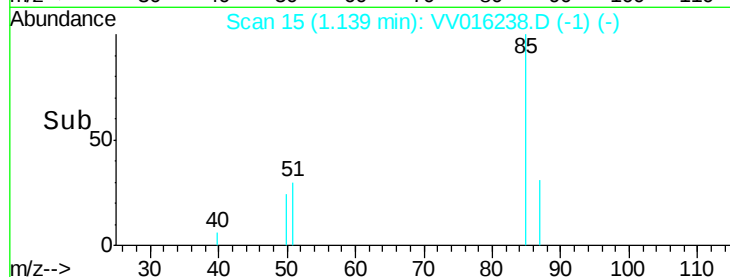
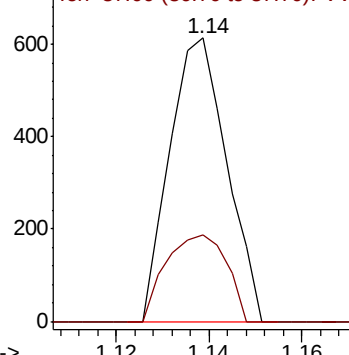
Ion Ratio Lower Upper

85 100

87 32.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#12

1,1-Dichloroethene

Concen: 0.095 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV016238.D

Acq: 27 May 2020 19:17

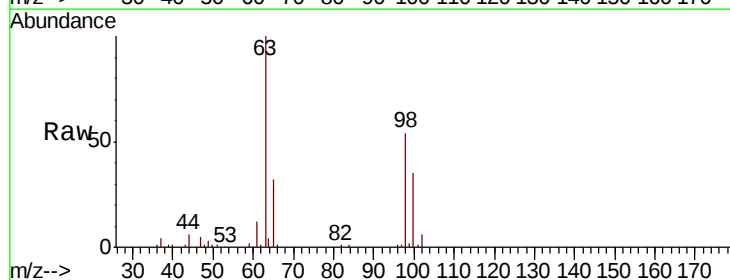
Tgt Ion: 96 Resp: 463

Ion Ratio Lower Upper

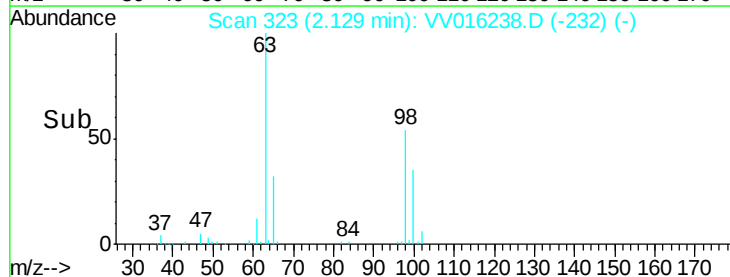
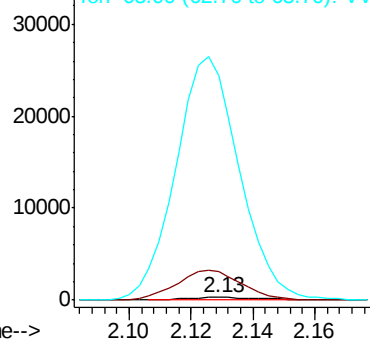
96 100

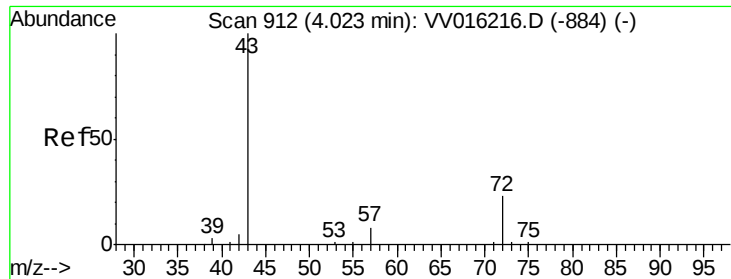
61 1011.9 124.9 231.9#

63 8103.3 80.4 149.2#



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 63.00 (62.70 to 63.70): VV0





#21

2-Butanone

Concen: 11.840 ug/L

RT: 4.12 min Scan# 943

Delta R.T. 0.10 min

Lab File: VV016238.D

Acq: 27 May 2020 19:17

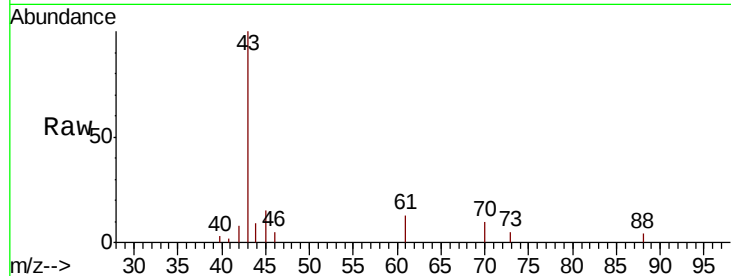
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 17229

Ion Ratio Lower Upper

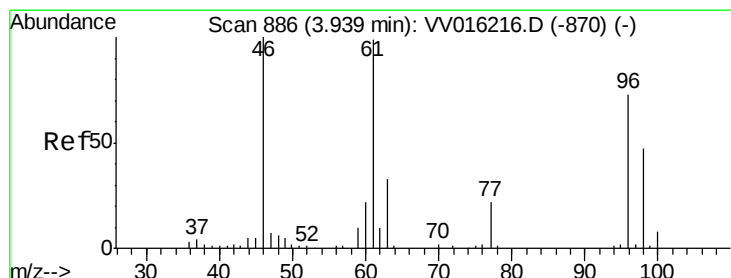
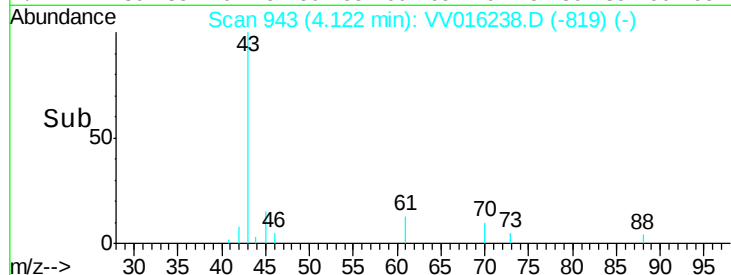
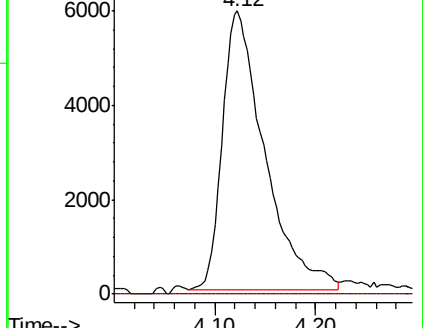
43 100

72 0.0 9.7 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VV016238.D (-919) (-)

Ion 72.00 (71.70 to 72.70): VV016238.D (-919) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.253 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV016238.D

Acq: 27 May 2020 19:17

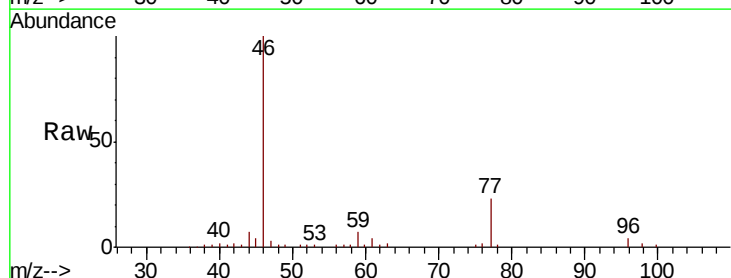
Tgt Ion: 96 Resp: 1602

Ion Ratio Lower Upper

96 100

61 114.1 99.7 185.1

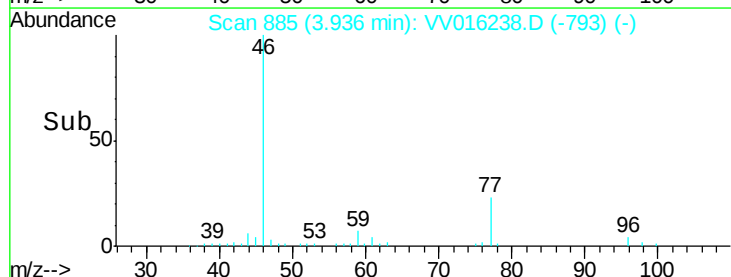
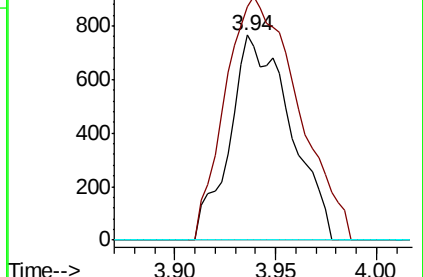
68 0.0 0.0 0.0

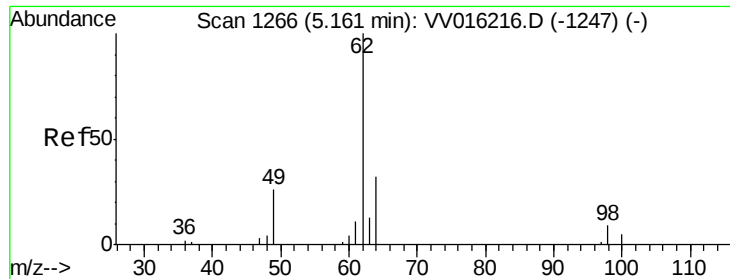


Abundance Ion 96.00 (95.70 to 96.70): VV016238.D (-793) (-)

Ion 61.05 (60.75 to 61.75): VV016238.D (-793) (-)

Ion 68.15 (67.85 to 68.85): VV016238.D (-793) (-)





#27

1,2-Dichloroethane

Concen: 0.097 ug/L

RT: 5.08 min Scan# 1241

Delta R.T. -0.08 min

Lab File: VV016238.D

Acq: 27 May 2020 19:17

Instrument :

MSVOA_V

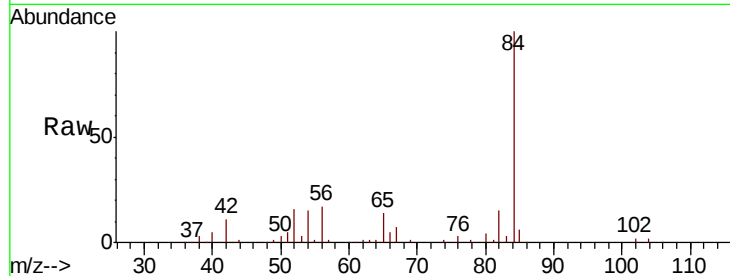
ClientSampleId :

Tot Ion: 62 Resp: 681

Ion Ratio Lower Upper

62 100

98 0.0 5.7 8.5#



Abundance Ion 62.00 (61.70 to 62.70): VV016238.D (-1173) (-)

Ion 98.05 (97.75 to 98.75): VV016238.D (-1173) (-)

5.08

400

300

200

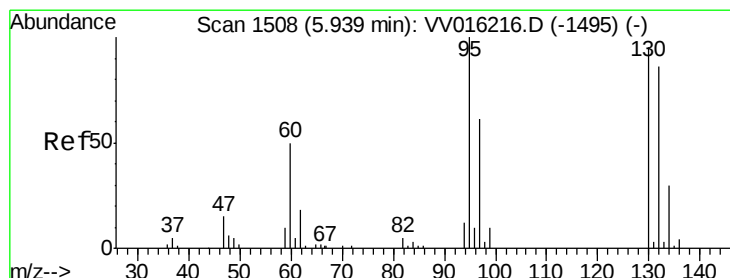
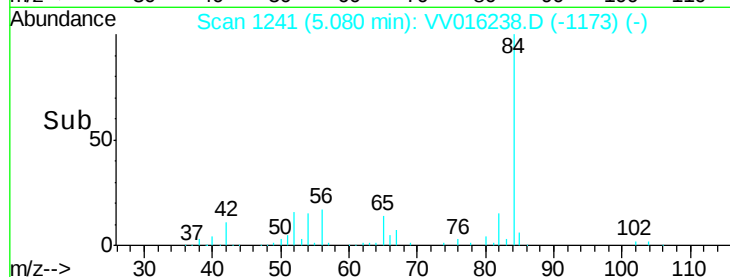
100

0

5.05

5.10

Time-->



#34

Trichloroethene

Concen: 1.311 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV016238.D

Acq: 27 May 2020 19:17

Tgt Ion: 95 Resp: 8059

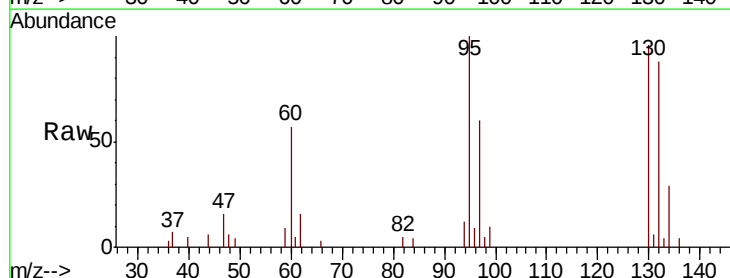
Ion Ratio Lower Upper

95 100

97 60.1 43.6 81.0

132 87.8 63.9 118.7

130 95.9 65.2 121.0



Abundance Ion 95.00 (94.70 to 95.70): VV016238.D (-1415) (-)

Ion 96.95 (96.65 to 97.65): VV016238.D (-1415) (-)

Ion 131.95 (131.65 to 132.65): VV016238.D (-1415) (-)

Ion 129.95 (129.65 to 130.65): VV016238.D (-1415) (-)

6000

5000

4000

3000

2000

1000

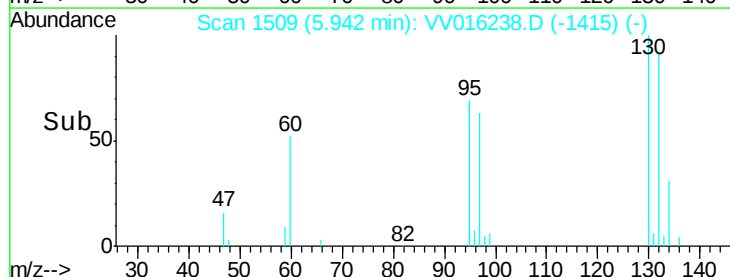
0

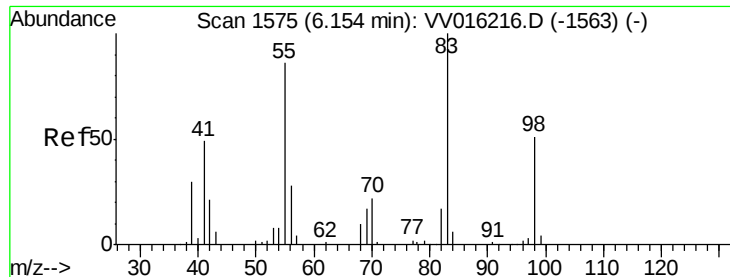
5.90

5.95

6.00

Time-->

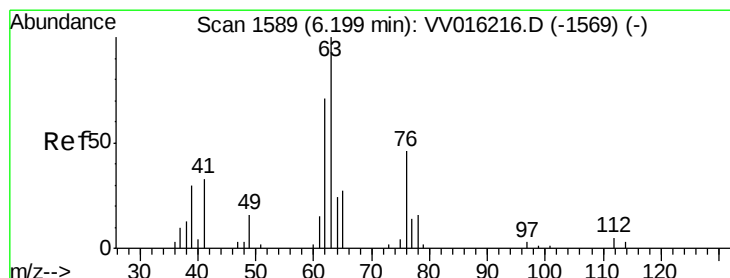
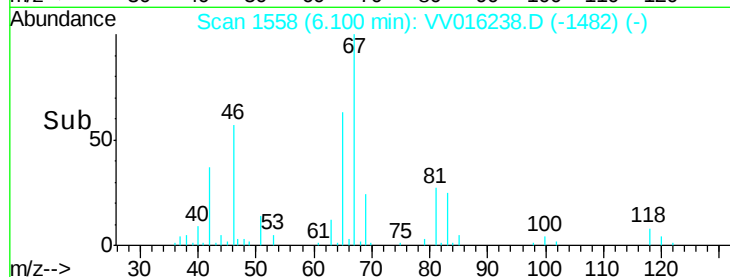
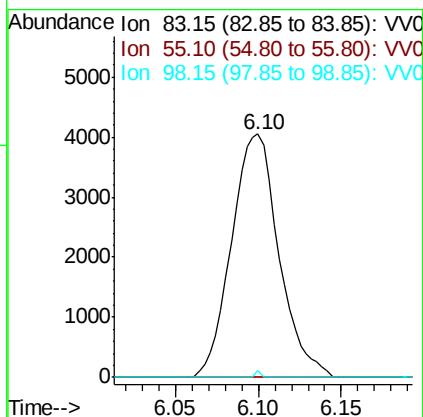
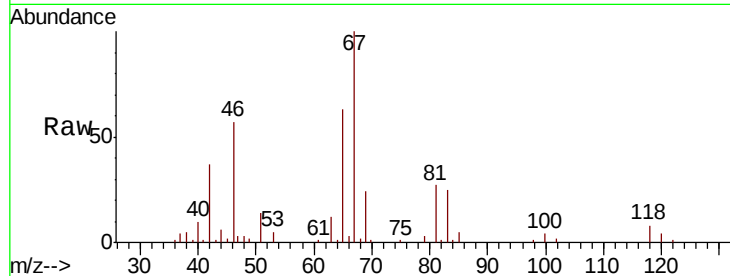




#35
Methvlcvclohexane
Concen: 0.775 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.05 min
Lab File: VV016238.D
Acq: 27 May 2020 19:17

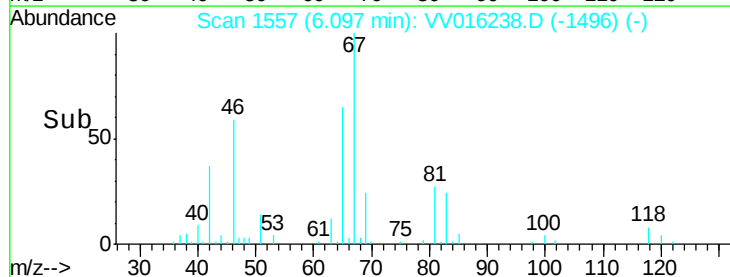
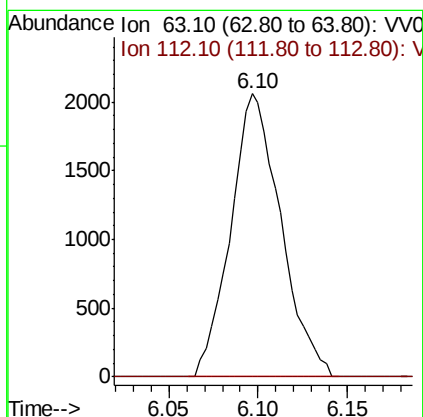
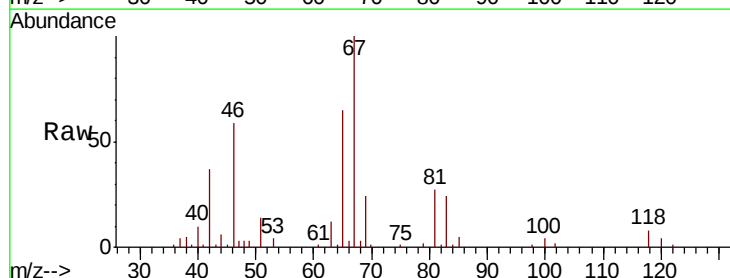
Instrument :
MSVOA_V
ClientSampleId :

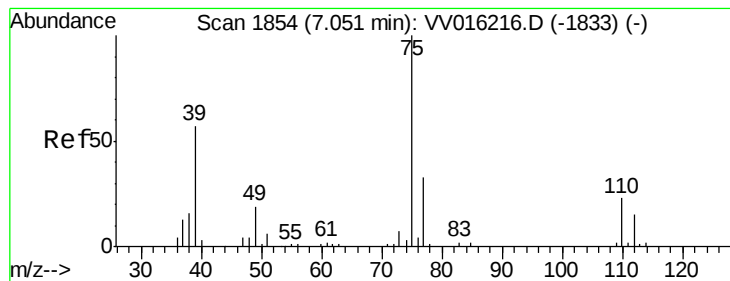
Tot Ion: 83 Resp: 8039
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.2 39.3 58.9#



#37
1,2-Dichloropropane
Concen: 0.696 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016238.D
Acq: 27 May 2020 19:17

Tgt Ion: 63 Resp: 4028
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



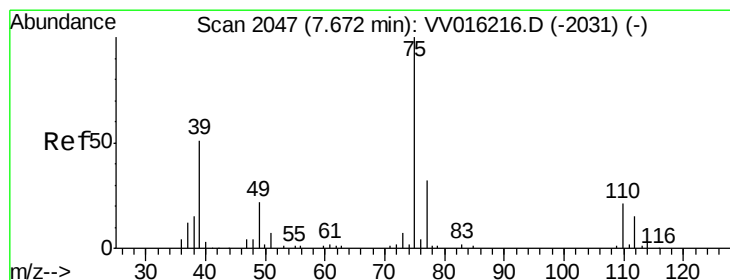
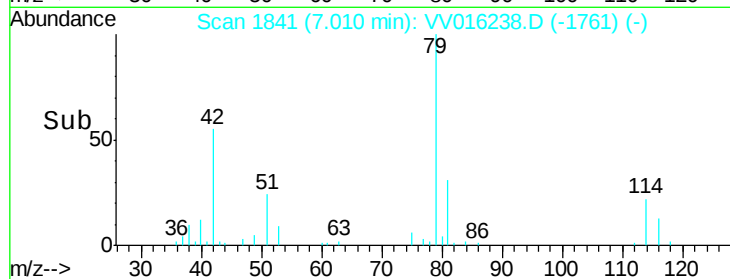
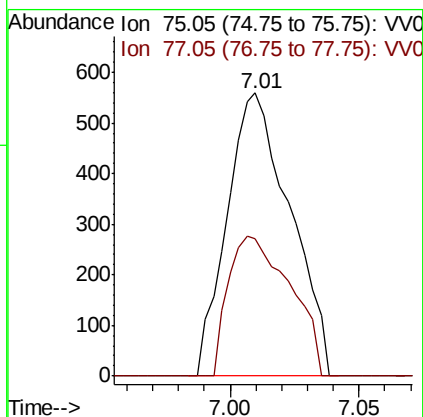
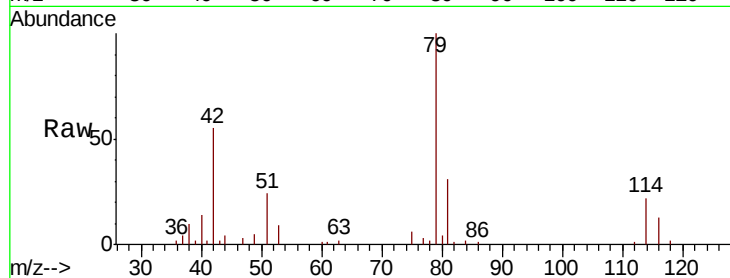


#39

cis-1,3-Dichloropropene
 Concen: 0.116 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016238.D
 Acq: 27 May 2020 19:17

Instrument :
 MSVOA_V
 ClientSampleId :

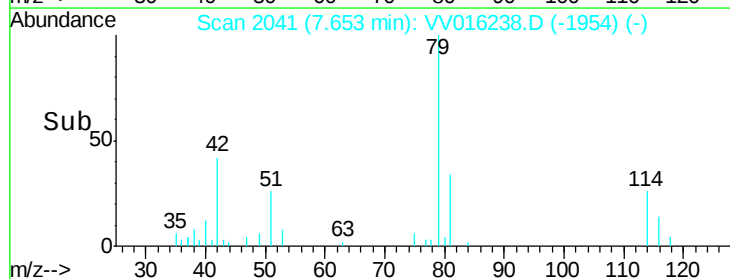
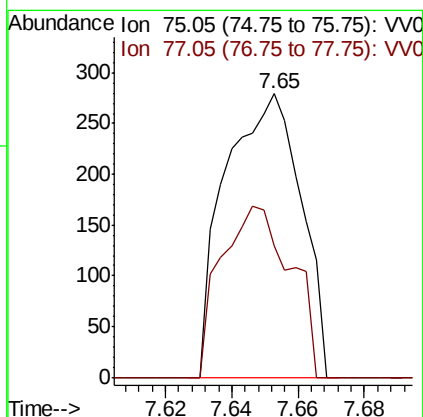
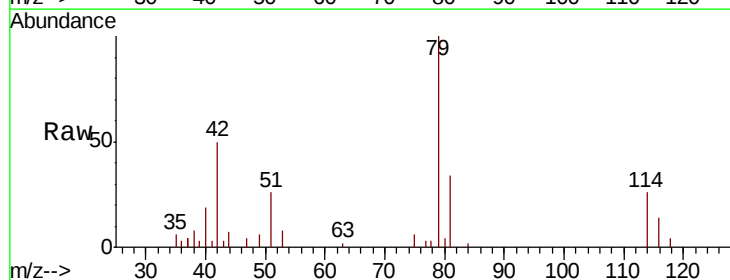
Tot Ion: 75 Resp: 953
 Ion Ratio Lower Upper
 75 100
 77 48.5 21.7 40.3#

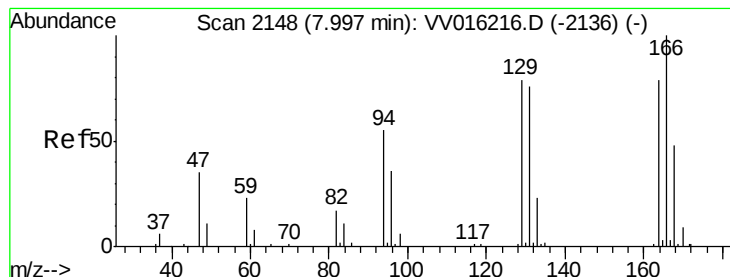


#46

trans-1,3-Dichloropropene
 Concen: 0.065 ug/L
 RT: 7.65 min Scan# 2041
 Delta R.T. -0.02 min
 Lab File: VV016238.D
 Acq: 27 May 2020 19:17

Tgt Ion: 75 Resp: 443
 Ion Ratio Lower Upper
 75 100
 77 46.6 21.7 40.3#





#49

Tetrachloroethene

Concen: 2.781 ug/L

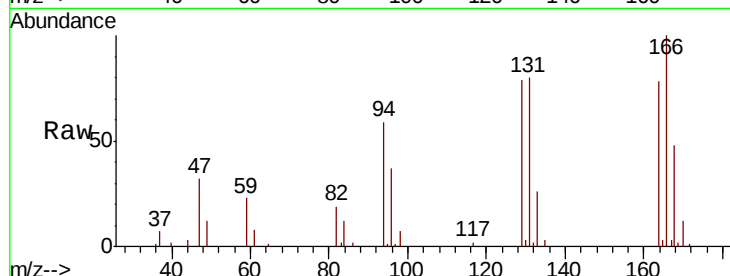
RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016238.D

Acq: 27 May 2020 19:17

Instrument :
MSVOA_V
ClientSampleId :



Tot Ion:164 Resp: 12273

Ion Ratio Lower Upper

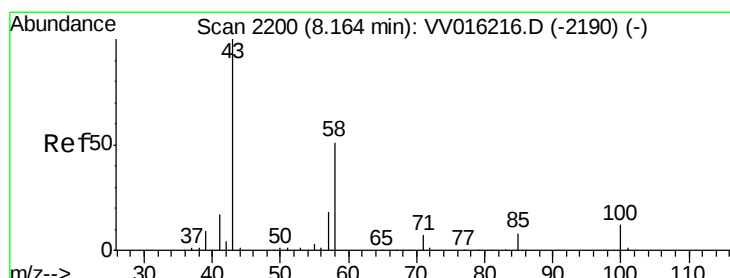
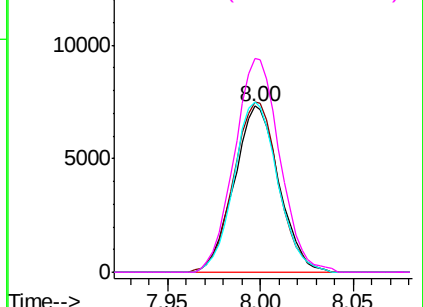
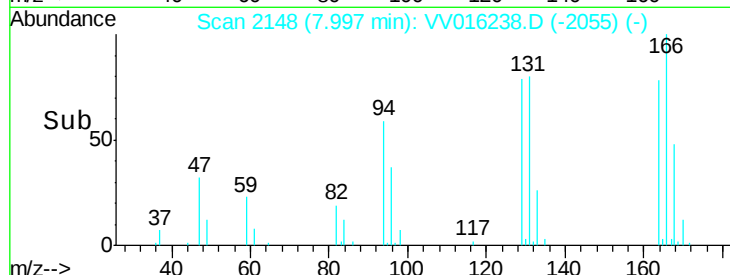
164 100

129 102.1 70.7 131.3

131 102.5 66.6 123.8

166 128.6 86.9 161.5

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 3.084 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016238.D

Acq: 27 May 2020 19:17

Tgt Ion: 43 Resp: 7745

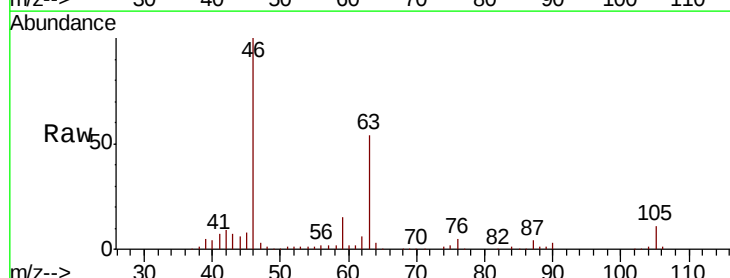
Ion Ratio Lower Upper

43 100

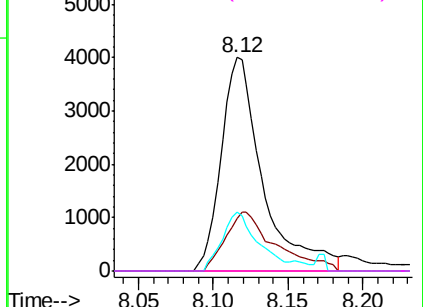
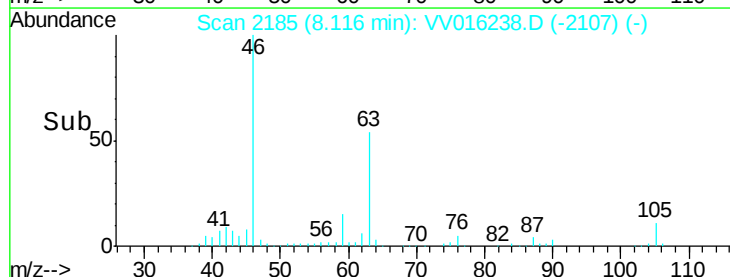
58 32.9 41.4 62.0#

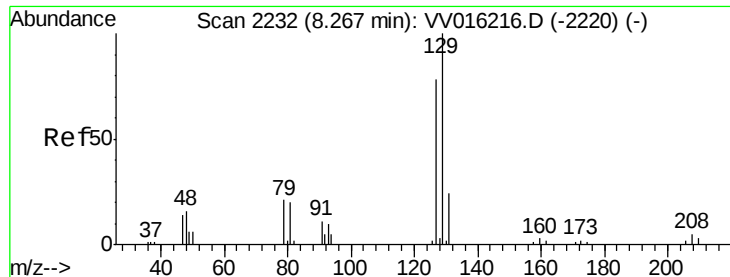
57 23.9 15.0 22.4#

100 0.0 9.0 13.4#



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

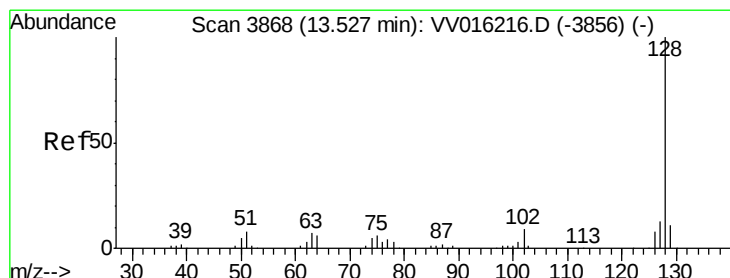
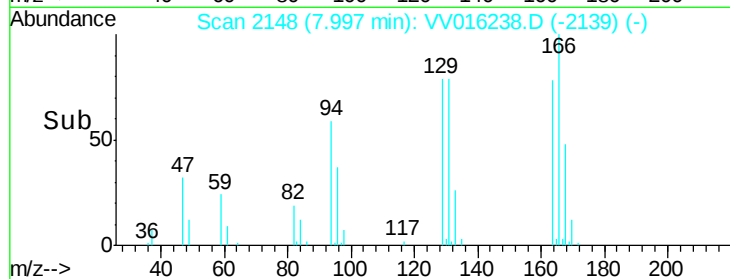
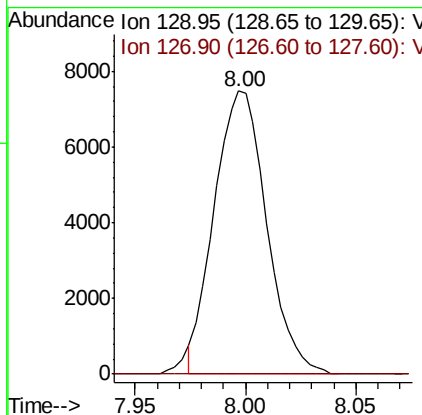
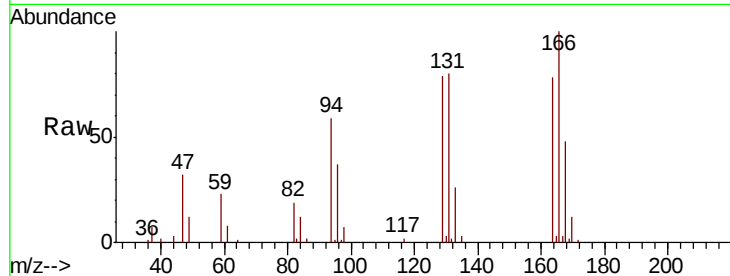




#51
 Dibromochloromethane
 Concen: 3.048 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.27 min
 Lab File: VV016238.D
 Acq: 27 May 2020 19:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:129 Resp: 12288
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.2 102.4#



#70
 Naphthalene
 Concen: 0.112 ug/L
 RT: 13.53 min Scan# 3870
 Delta R.T. 0.01 min
 Lab File: VV016238.D
 Acq: 27 May 2020 19:17

Tgt Ion:128 Resp: 1684
 Ion Ratio Lower Upper
 128 100
 129 7.2 8.6 13.0#
 127 13.8 10.6 15.8

