

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
 Data File : VV016129.D
 Acq On : 20 May 2020 14:19
 Operator : SY/MD
 Sample : L2725-01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 21 01:39:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	138680	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	139060	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	67860	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33119	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.58	69	36729	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.13	63	59889	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	3.91	46	121604	56.66	ug/L	-0.08
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.32%
24) Chloroform-d	4.38	84	79492	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.06	65	49667	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.08	84	162219	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.10	67	52505	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.34	98	140090	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
45) trans-1,3-Dichloropropene-	7.65	79	16638	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
48) 2-Hexanone-d5	8.11	63	89981	51.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.34%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38299	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	56294	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	119710	11.636	ug/L 100
8) Chloroethane	1.47	64	64044	8.737	ug/L # 49
12) 1,1-Dichloroethene	2.14	96	6655	0.872	ug/L # 1
13) Acetone	2.20	43	2416	1.707	ug/L 71
17) Methyl tert-butyl Ether	2.78	73	1501	0.076	ug/L # 89
18) trans-1,2-Dichloroethene	2.78	96	16913	2.005	ug/L 97
19) 1,1-Dichloroethane	3.22	63	2150	0.132	ug/L 98
22) cis-1,2-Dichloroethene	3.94	96	764971	86.643	ug/L 99
25) Chloroform	4.41	83	10786	0.603	ug/L 89
27) 1,2-Dichloroethane	5.16	62	40144	3.652	ug/L 100
33) Benzene	5.13	78	34355	0.982	ug/L 100
34) Trichloroethene	5.94	95	157032	15.725	ug/L 95
37) 1,2-Dichloropropane	6.21	63	611	0.069	ug/L # 87
39) cis-1,3-Dichloropropene	7.01	75	1424	0.113	ug/L # 44
46) trans-1,3-Dichloropropene	7.64	75	877	0.083	ug/L # 69
47) 1,1,2-Trichloroethane	7.87	97	11966	2.016	ug/L 95
49) Tetrachloroethene	8.00	164	9548	1.370	ug/L 98

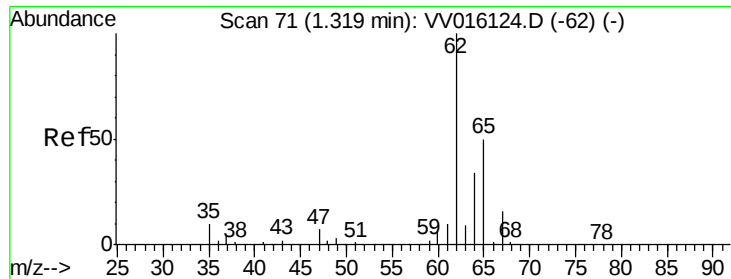
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
Data File : VV016129.D
Acq On : 20 May 2020 14:19
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 21 01:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Dibromochloromethane	8.00	129	9476	1.421	ug/L #	9
53) Chlorobenzene	8.90	112	181064	7.592	ug/L	97
56) o-xylene	9.57	106	1536	0.103	ug/L	84
60) 1,1,2,2-Tetrachloroethane	10.26	83	1019	0.161	ug/L #	65
63) 1,3-Dichlorobenzene	11.21	146	6204	0.339	ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	36113	1.966	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	133471	8.066	ug/L	98
70) Naphthalene	13.53	128	1638	0.090	ug/L	98

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



#5

Vinyl chloride

Concen: 11.636 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

Instrument :

MSVOA_V

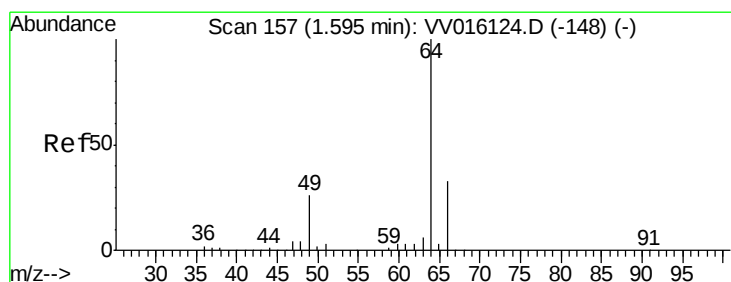
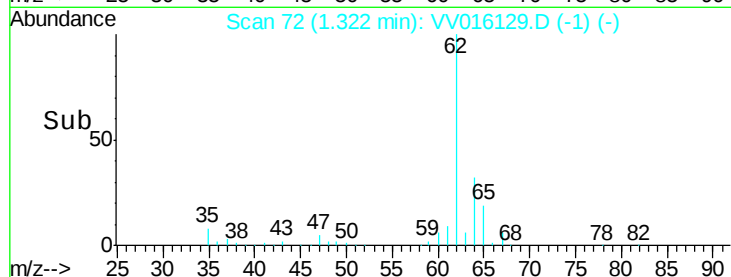
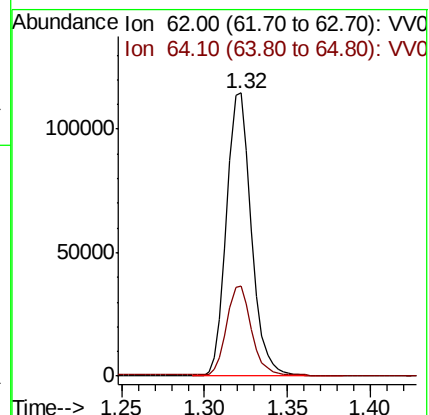
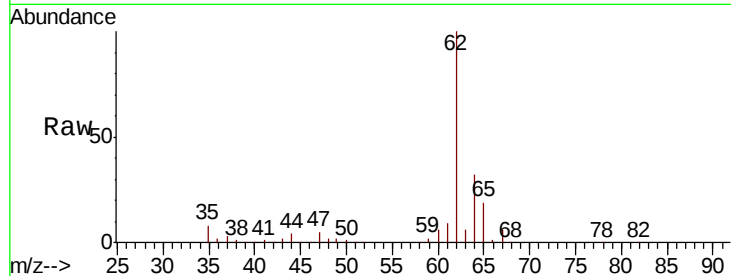
ClientSampled :

Tot Ion: 62 Resp: 119710

Ion Ratio Lower Upper

62 100

64 32.0 22.4 41.6



#8

Chloroethane

Concen: 8.737 ug/L

RT: 1.47 min Scan# 118

Delta R.T. -0.13 min

Lab File: VV016129.D

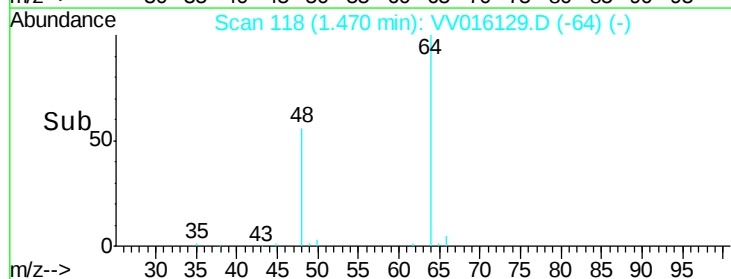
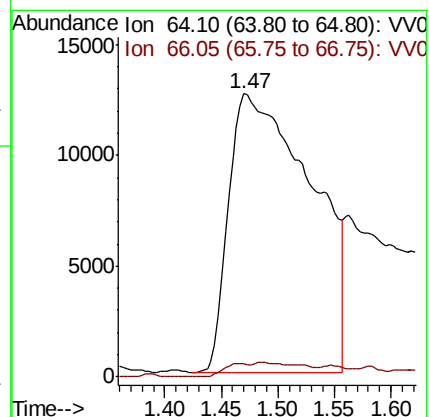
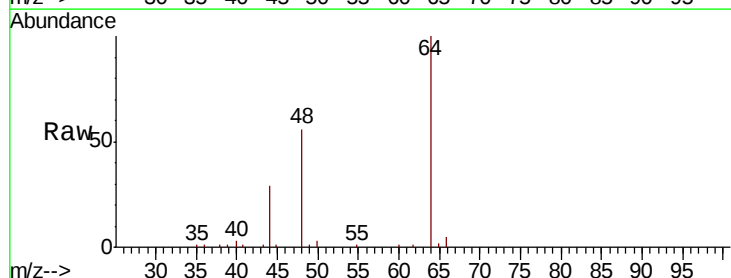
Acq: 20 May 2020 14:19

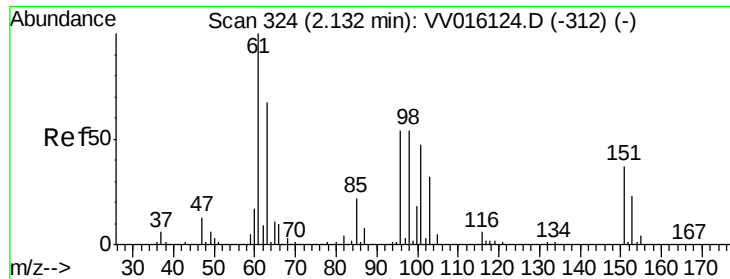
Tgt Ion: 64 Resp: 64044

Ion Ratio Lower Upper

64 100

66 4.6 23.6 43.8#

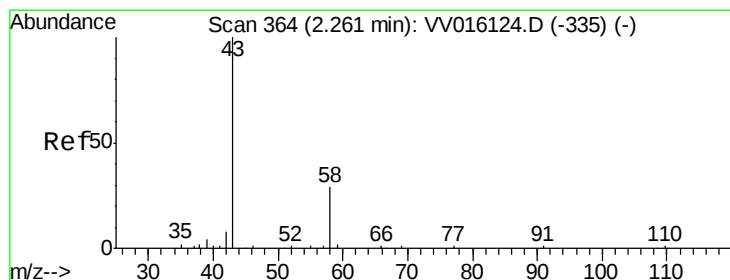
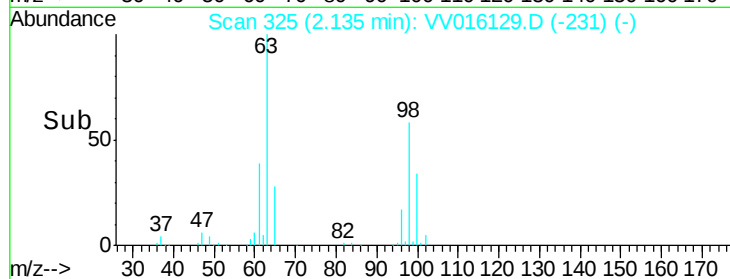
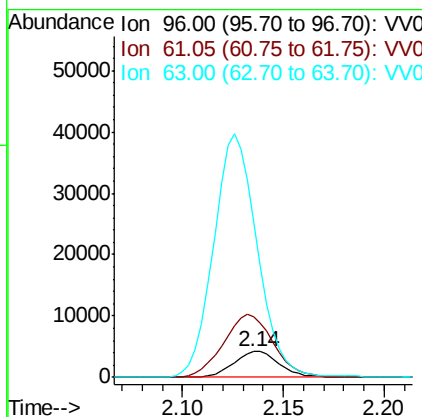
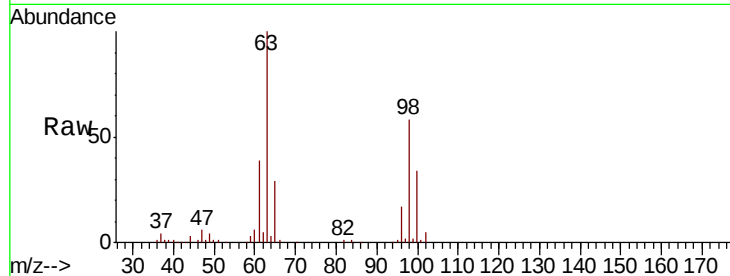




#12
 1,1-Dichloroethene
 Concen: 0.872 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

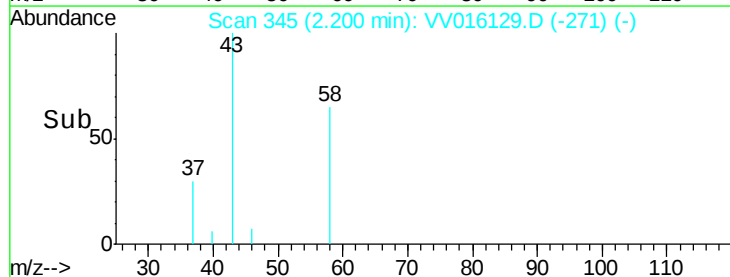
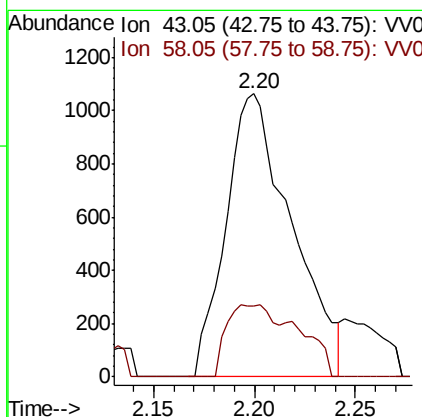
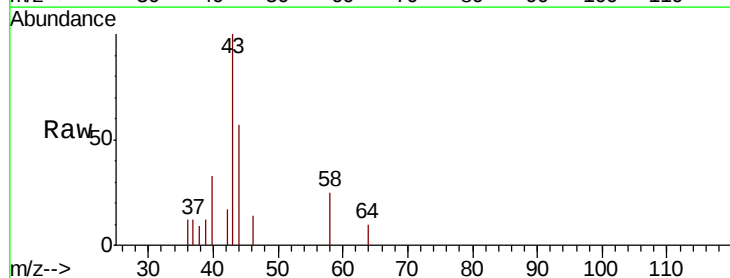
Instrument :
 MSVOA_V
 ClientSampleId :

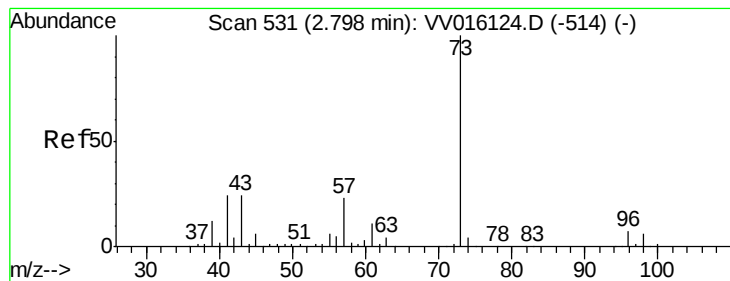
Tot Ion: 96 Resp: 6655
 Ion Ratio Lower Upper
 96 100
 61 234.1 139.9 259.7
 63 600.5 106.4 197.6#



#13
 Acetone
 Concen: 1.707 ug/L
 RT: 2.20 min Scan# 345
 Delta R.T. -0.06 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

Tgt Ion: 43 Resp: 2416
 Ion Ratio Lower Upper
 43 100
 58 27.6 0.0 30.8



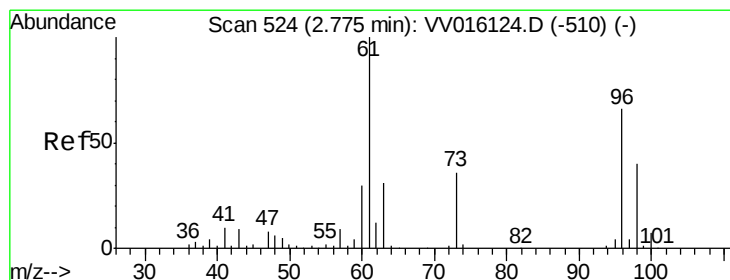
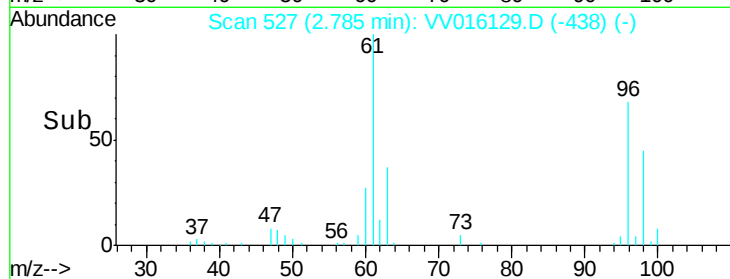
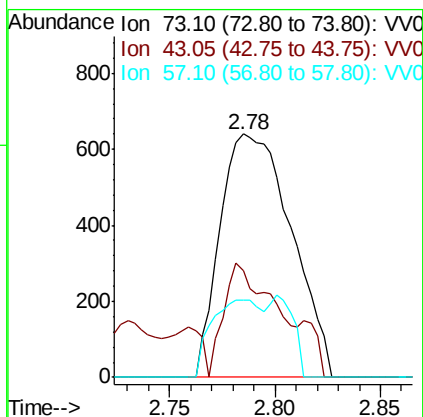
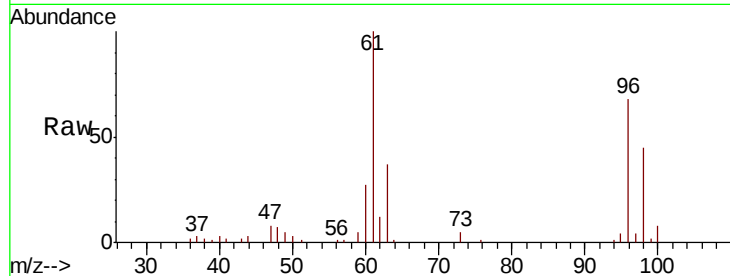


#17

Methvl tert-butvl Ether
 Concen: 0.076 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

Instrument :
 MSVOA_V
 ClientSampleId :

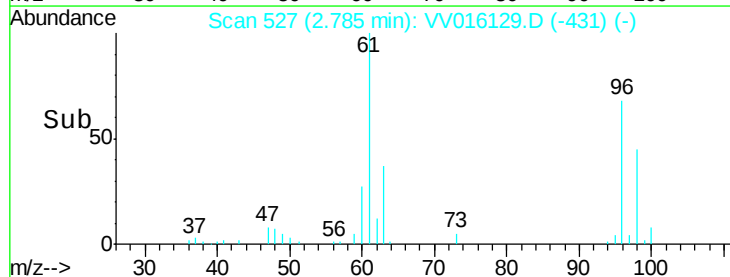
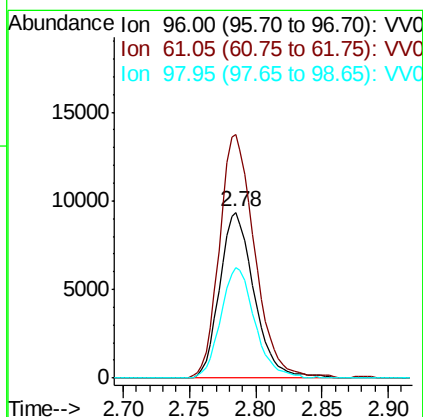
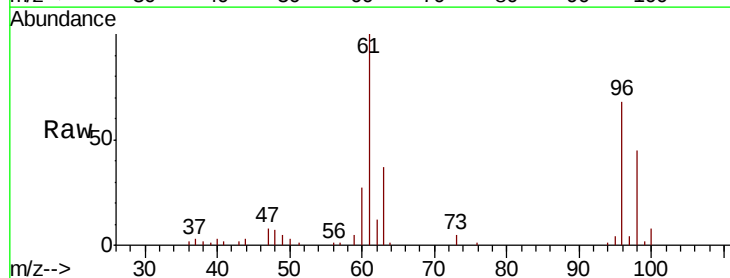
Tot Ion	Ratio	Lower	Upper
73	100		
43	33.5	18.8	28.2#
57	22.4	17.8	26.6

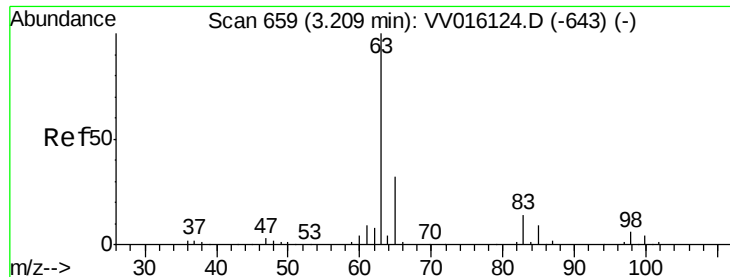


#18

trans-1,2-Dichloroethene
 Concen: 2.005 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.1	105.3	195.5
98	66.9	44.0	81.6

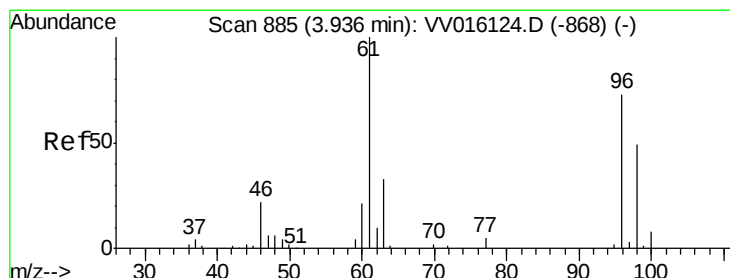
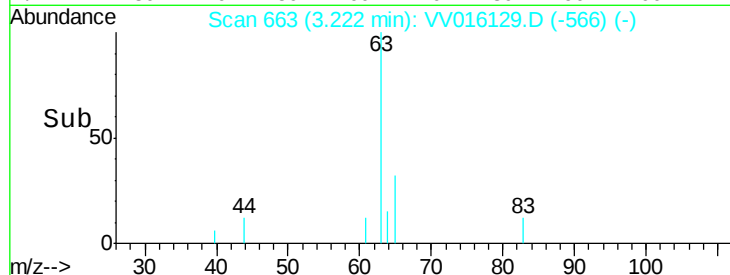
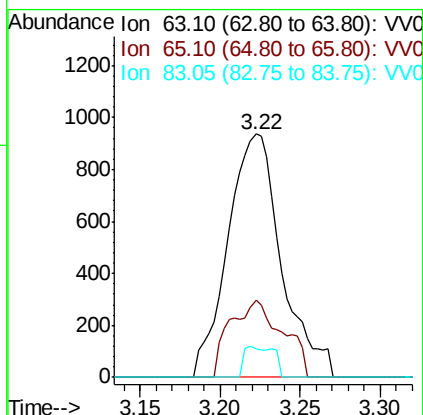
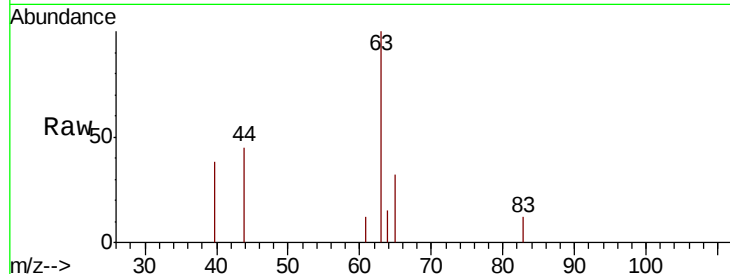




#19
 1,1-Dichloroethane
 Concen: 0.132 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.01 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

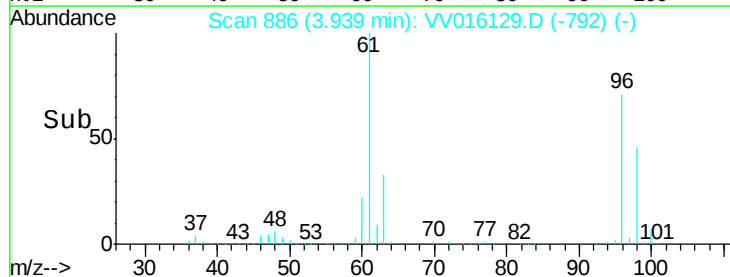
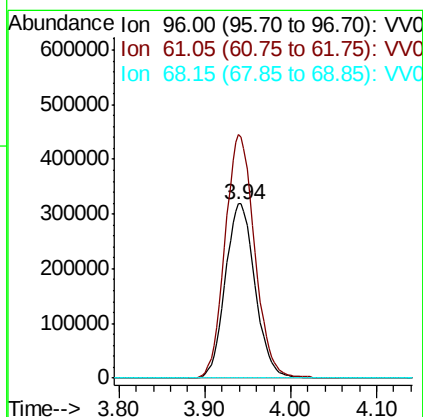
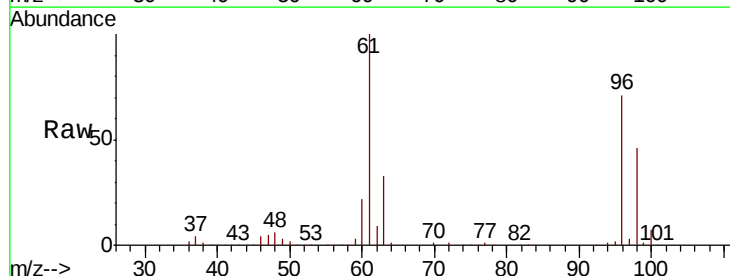
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 MSVOA_V
 ClientSampleId :

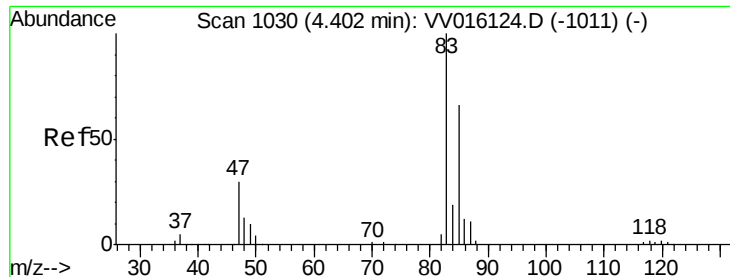
Tot Ion: 63 Resp: 2150
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.0 41.0
 83 11.7 9.8 18.2



#22
 cis-1,2-Dichloroethene
 Concen: 86.643 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

Tgt Ion: 96 Resp: 764971
 Ion Ratio Lower Upper
 96 100
 61 139.9 97.2 180.6
 68 0.0 0.0 0.0

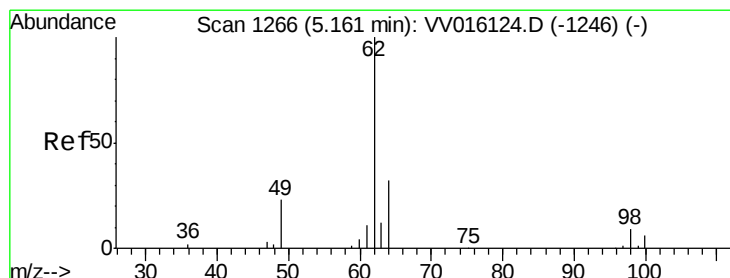
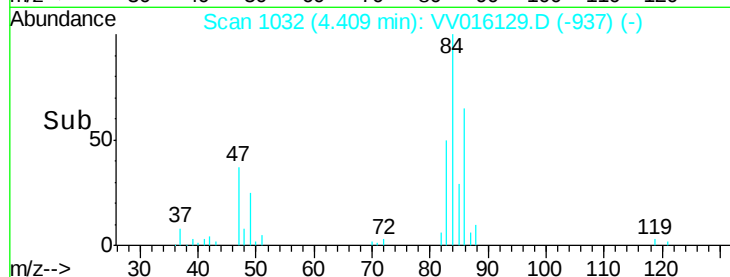
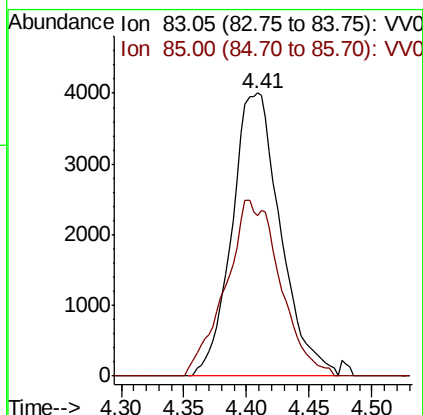
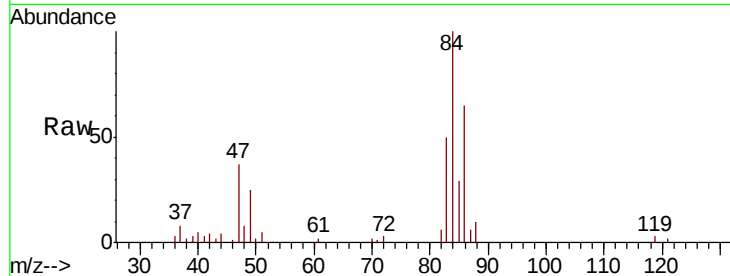




#25
Chloroform
Concen: 0.603 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV016129.D
Acq: 20 May 2020 14:19

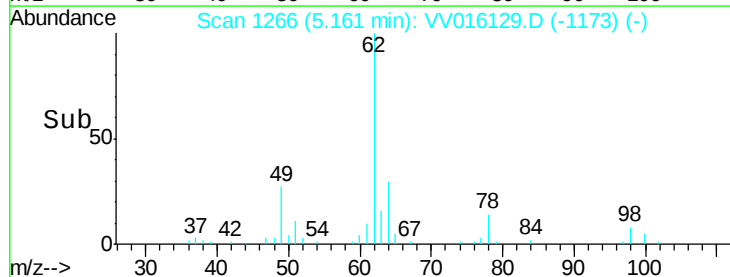
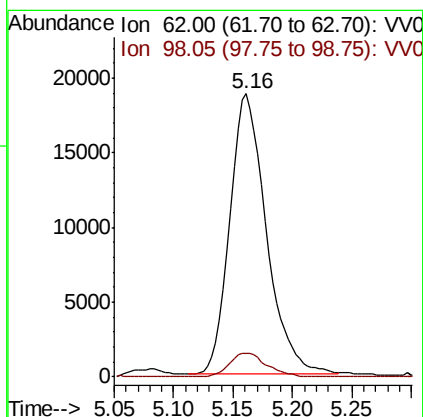
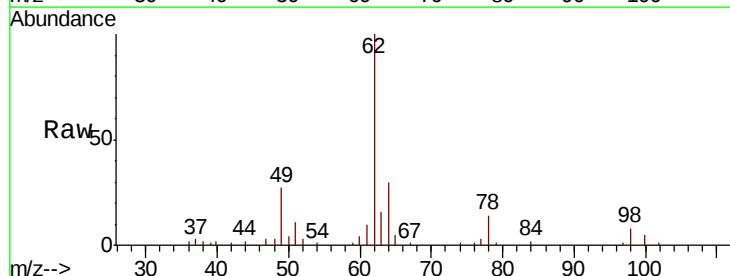
Instrument :
MSVOA_V
ClientSampleId :

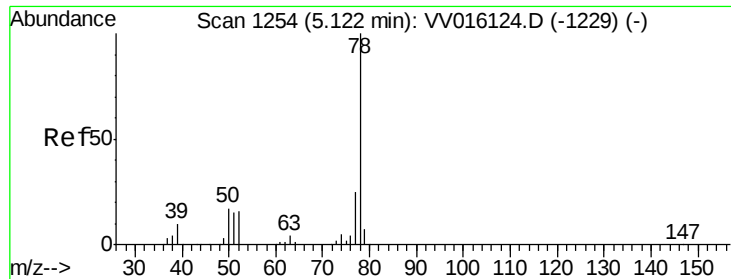
Tot Ion: 83 Resp: 10786
Ion Ratio Lower Upper
83 100
85 56.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 3.652 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VV016129.D
Acq: 20 May 2020 14:19

Tgt Ion: 62 Resp: 40144
Ion Ratio Lower Upper
62 100
98 8.5 6.7 10.1





#33

Benzene

Concen: 0.982 ug/L

RT: 5.13 min Scan# 1257

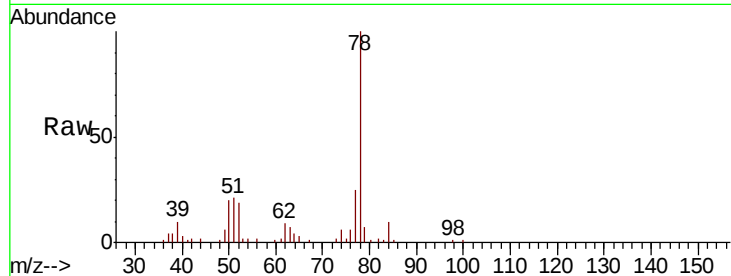
Delta R.T. 0.01 min

Lab File: VV016129.D

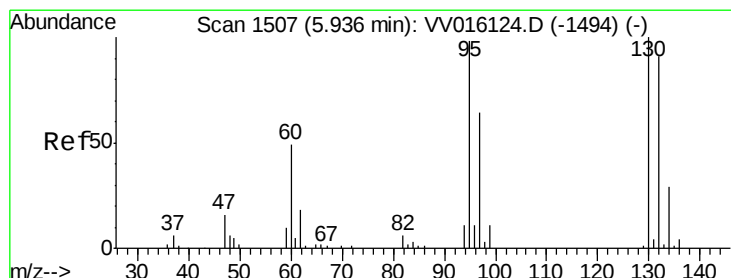
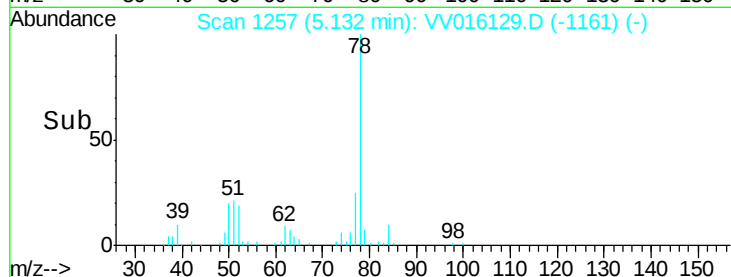
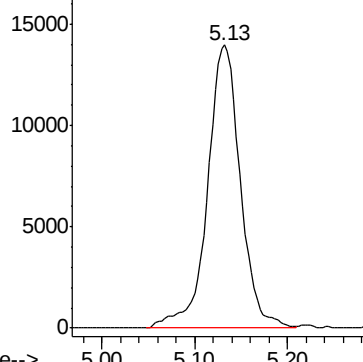
Acq: 20 May 2020 14:19

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 34355



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 15.725 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

Tgt Ion: 95 Resp: 157032

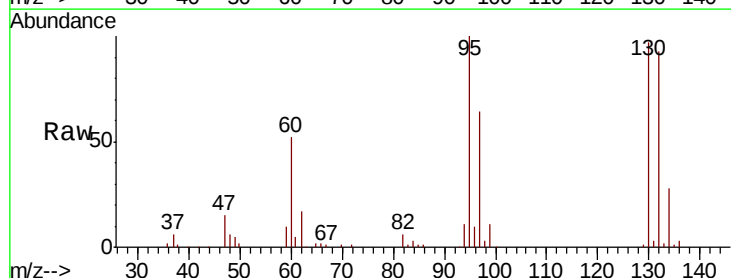
Ion	Ratio	Lower	Upper
95	100		
97	64.4	43.3	80.5
132	93.3	60.3	112.1
130	96.8	66.0	122.6

95 100

97 64.4 43.3 80.5

132 93.3 60.3 112.1

130 96.8 66.0 122.6



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

120000

100000

80000

60000

40000

20000

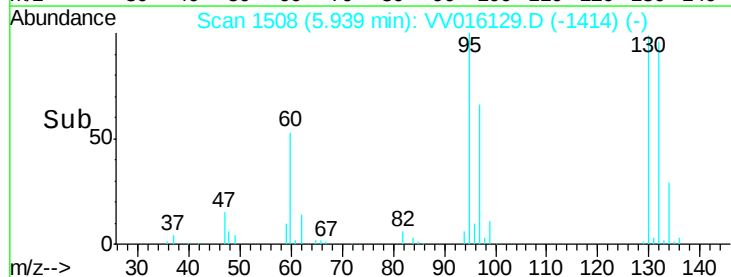
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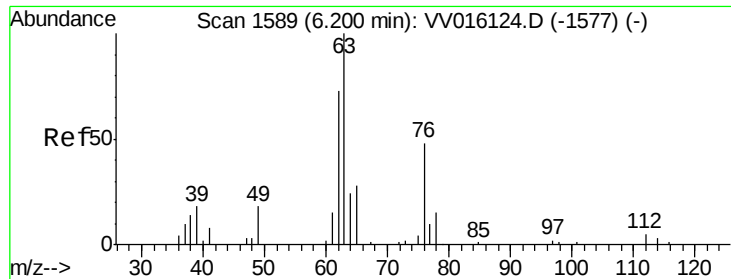
5.94

5.90

6.00

Time-->

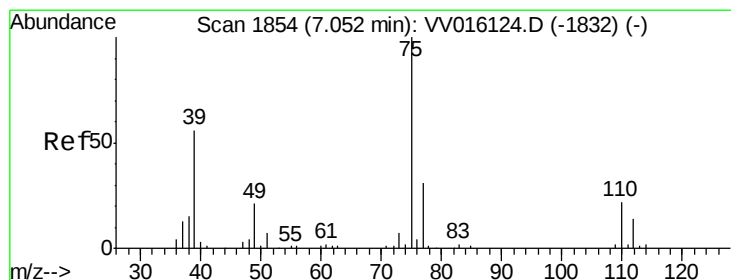
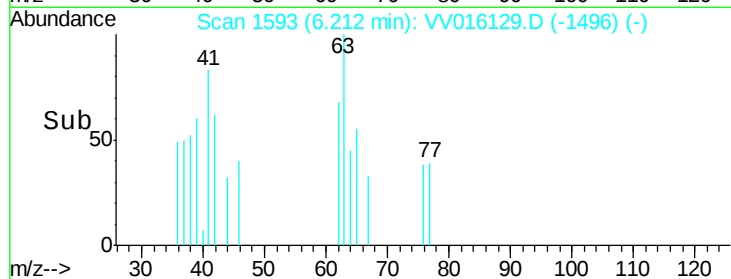
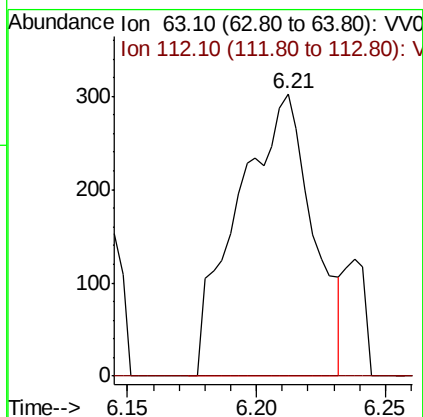
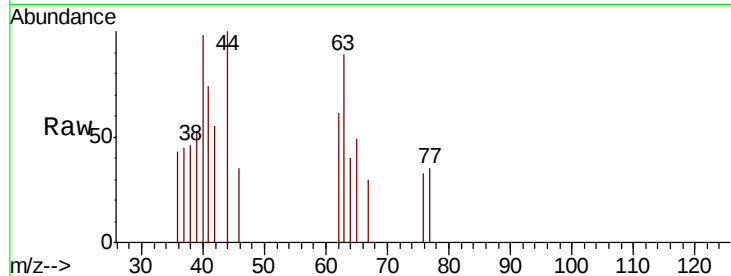




#37
 1,2-Dichloropropane
 Concen: 0.069 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. 0.01 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

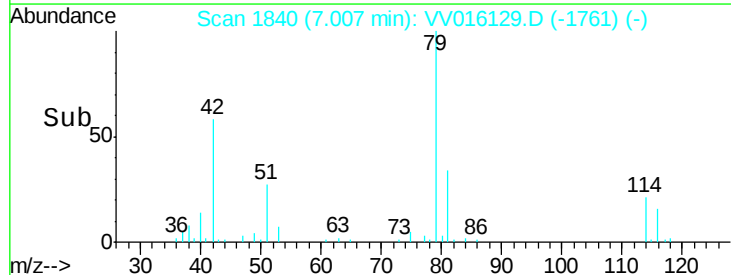
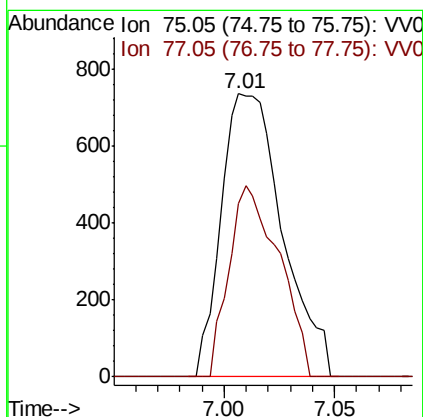
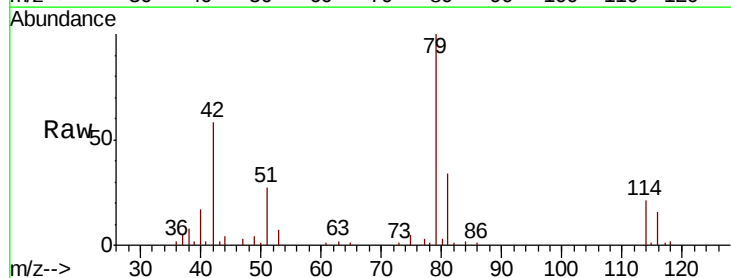
Instrument :
 MSVOA_V
 ClientSampleId :

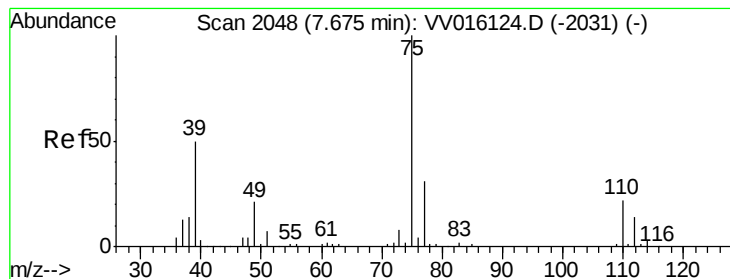
Tot Ion: 63 Resp: 611
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.05 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

Tgt Ion: 75 Resp: 1424
 Ion Ratio Lower Upper
 75 100
 77 61.1 21.3 39.5#





#46

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

Instrument :

MSVOA_V

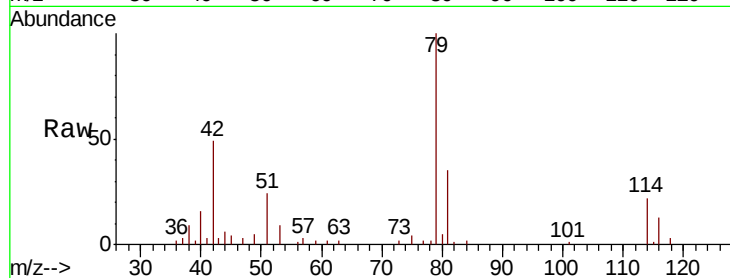
ClientSampleId :

Tot Ion: 75 Resp: 877

Ion Ratio Lower Upper

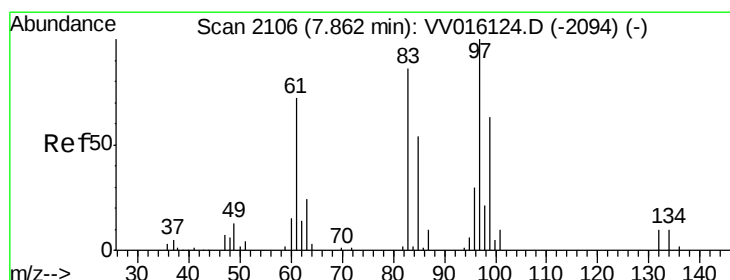
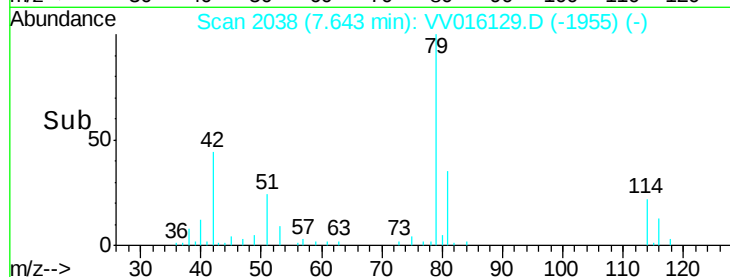
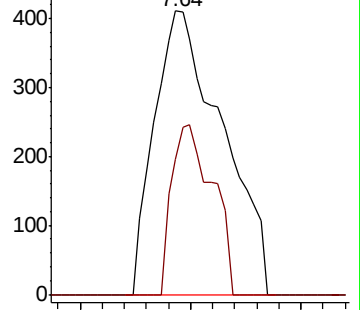
75 100

77 47.7 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

1,1,2-Trichloroethane

Concen: 2.016 ug/L

RT: 7.87 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

Tgt Ion: 97 Resp: 11966

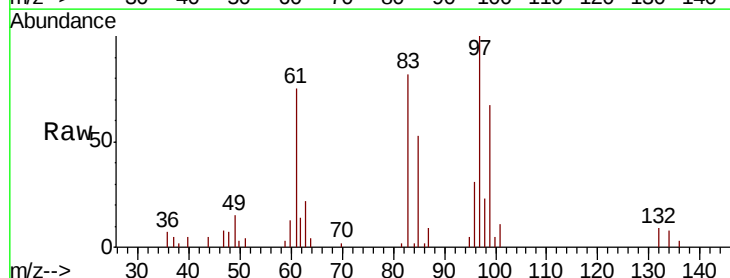
Ion Ratio Lower Upper

97 100

99 66.8 42.1 78.1

83 81.9 59.2 110.0

85 53.4 38.6 71.8

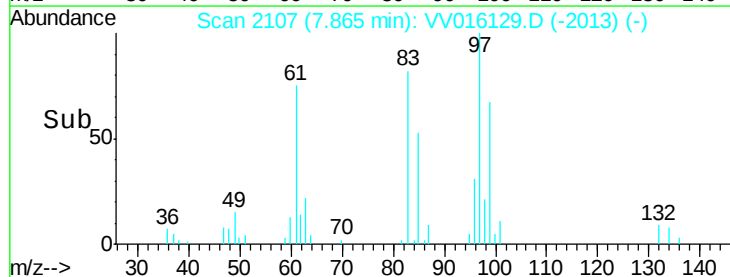
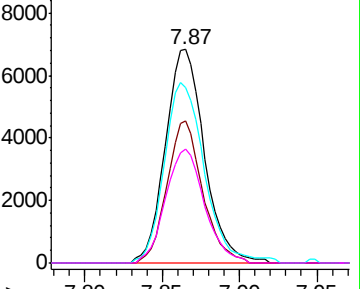


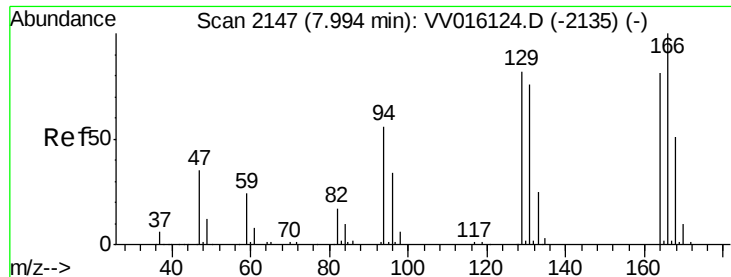
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#49

Tetrachloroethene

Concen: 1.370 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 9548

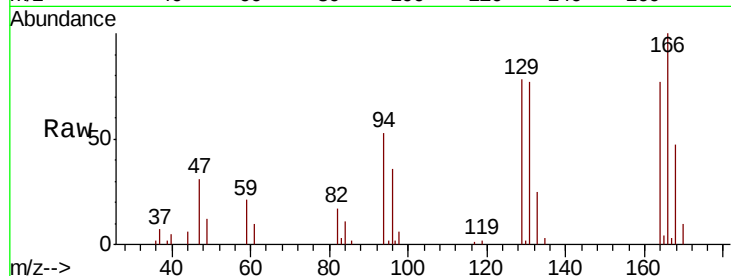
Ion Ratio Lower Upper

164 100

129 100.6 69.7 129.4

131 98.9 66.8 124.2

166 129.1 89.1 165.5

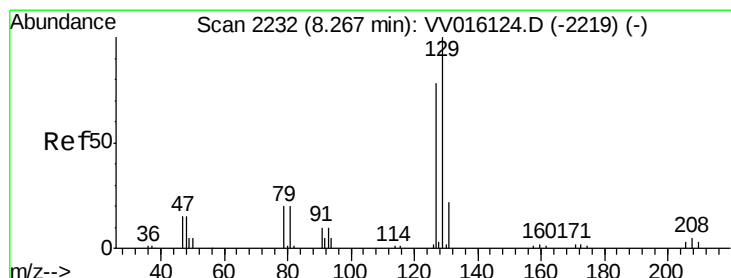
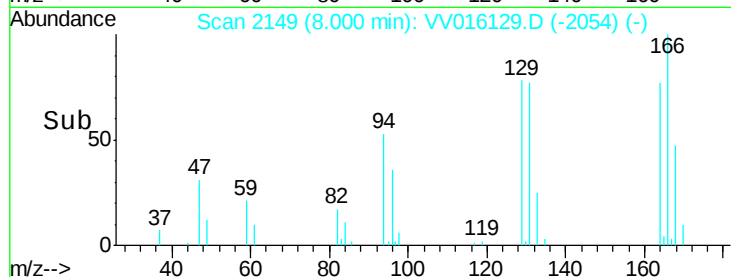
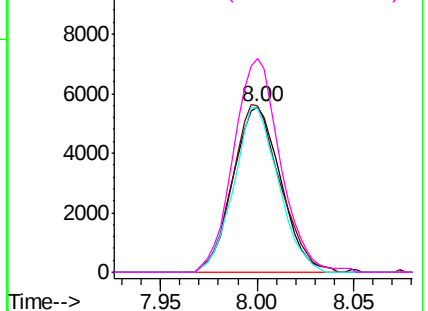


Abundance Ion 163.90 (163.60 to 164.60): V

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



#51

Dibromochloromethane

Concen: 1.421 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016129.D

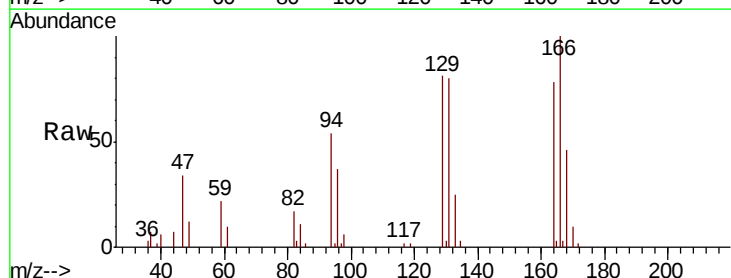
Acq: 20 May 2020 14:19

Tgt Ion:129 Resp: 9476

Ion Ratio Lower Upper

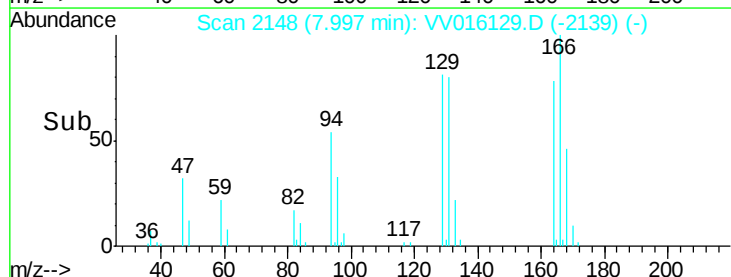
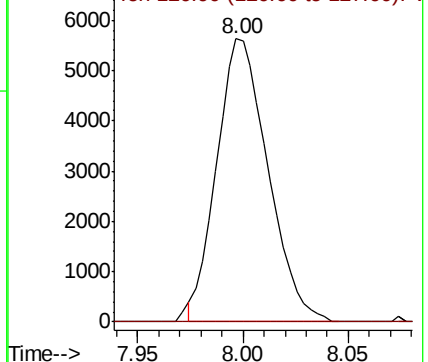
129 100

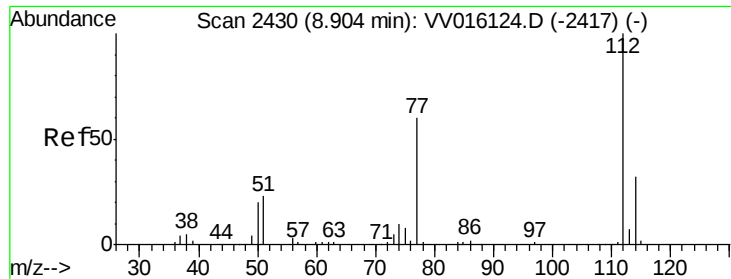
127 0.0 56.0 104.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

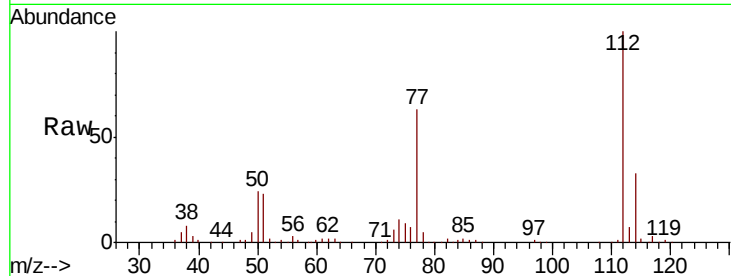




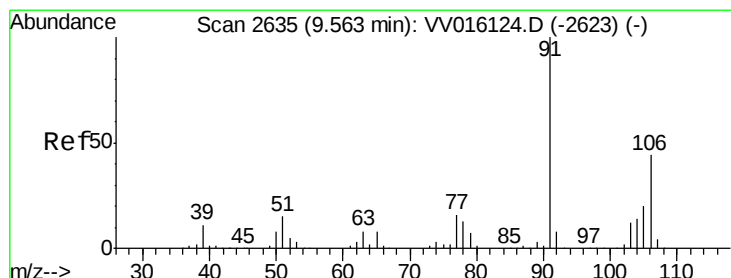
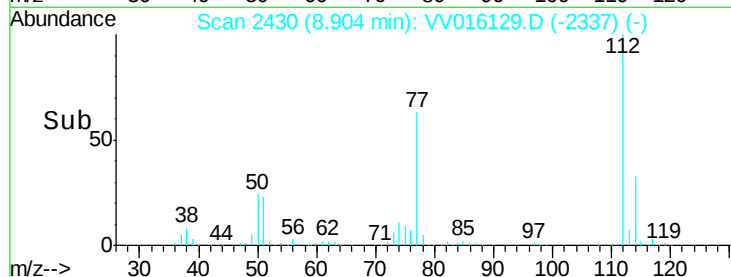
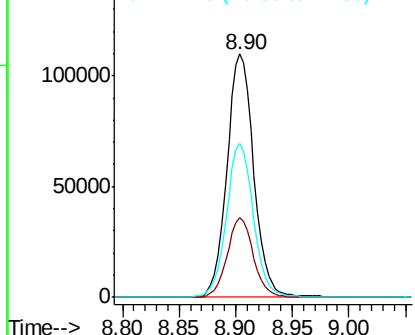
#53
Chlorobenzene
Concen: 7.592 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV016129.D
Acq: 20 May 2020 14:19

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 181064
Ion Ratio Lower Upper
112 100
114 32.5 21.6 40.0
77 63.2 48.6 73.0

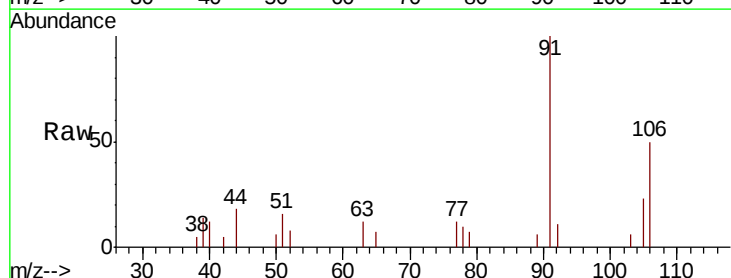


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

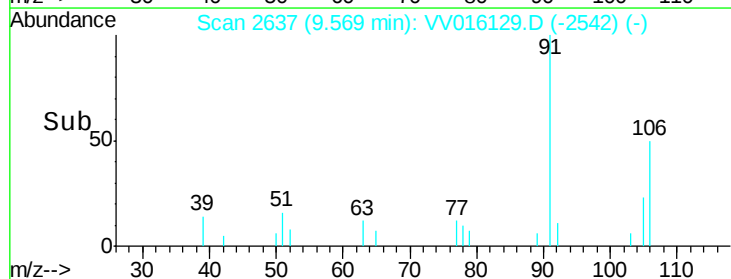
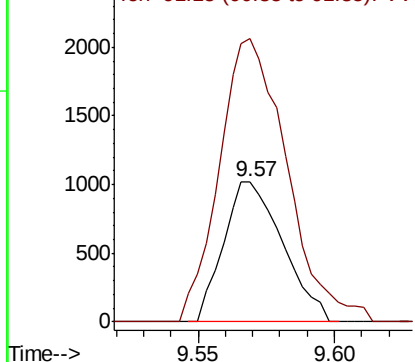


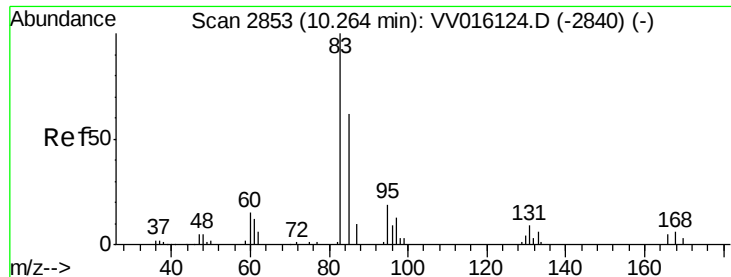
#56
o-xylene
Concen: 0.103 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VV016129.D
Acq: 20 May 2020 14:19

Tgt Ion:106 Resp: 1536
Ion Ratio Lower Upper
106 100
91 201.5 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): V





#60

1,1,2,2-Tetrachloroethane

Concen: 0.161 ug/L

RT: 10.26 min Scan# 2851

Delta R.T. -0.01 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

Instrument :

MSVOA_V

ClientSampleId :

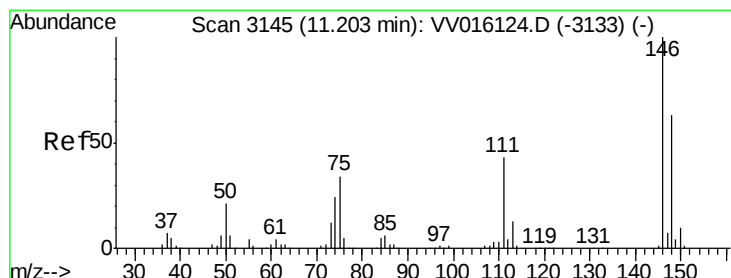
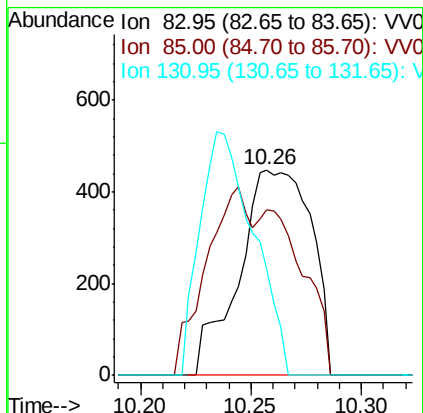
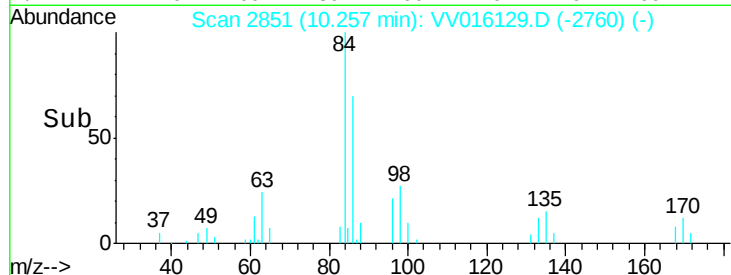
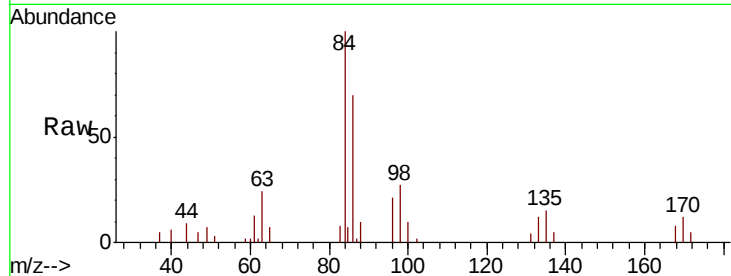
Tot Ion: 83 Resp: 1019

Ion Ratio Lower Upper

83 100

85 80.6 44.0 81.6

131 52.0 7.7 11.5#



#63

1,3-Dichlorobenzene

Concen: 0.339 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

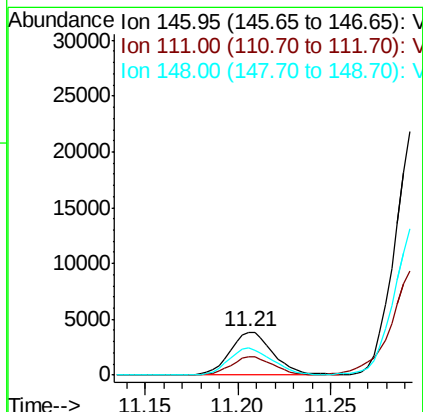
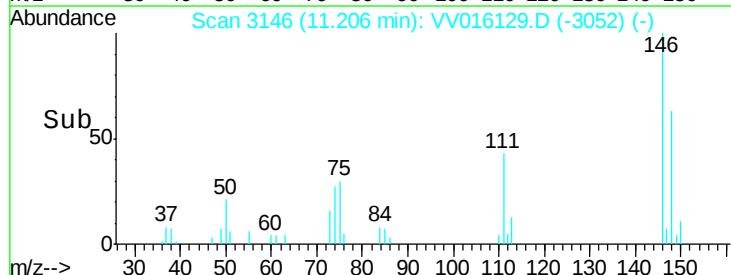
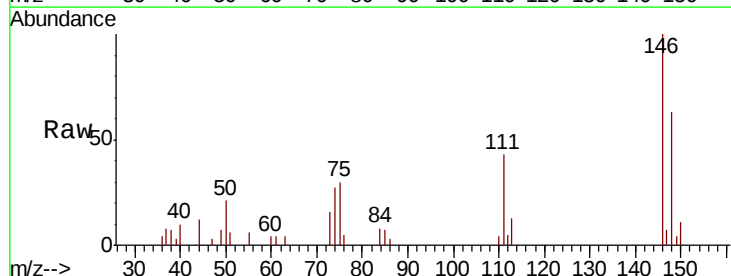
Tgt Ion: 146 Resp: 6204

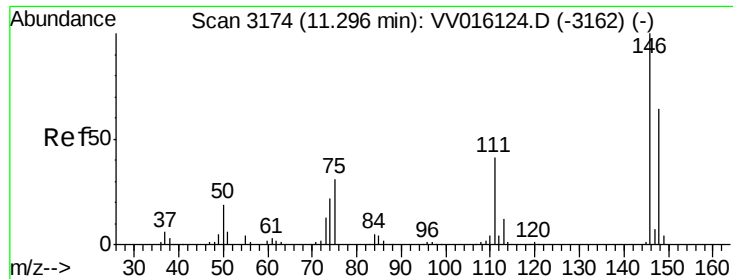
Ion Ratio Lower Upper

146 100

111 43.1 28.7 53.3

148 63.2 44.0 81.8





#64

1,4-Dichlorobenzene

Concen: 1.966 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016129.D

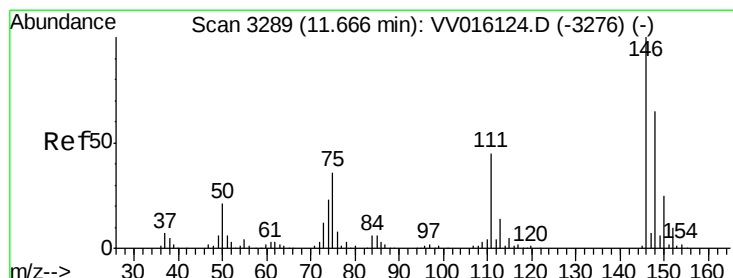
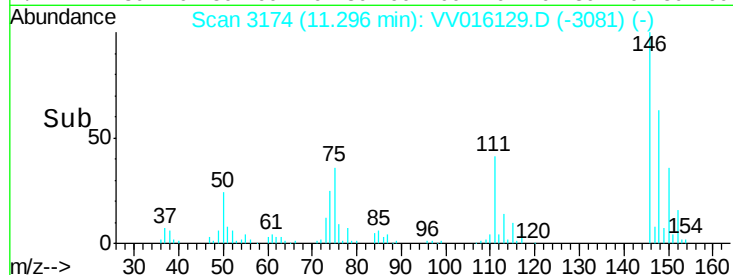
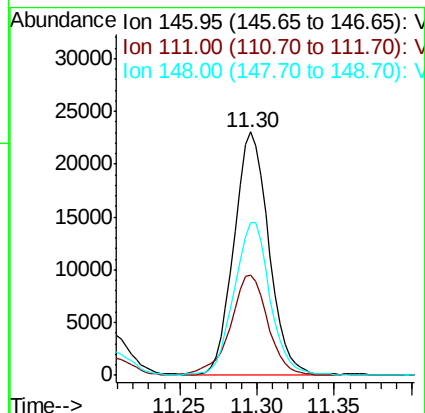
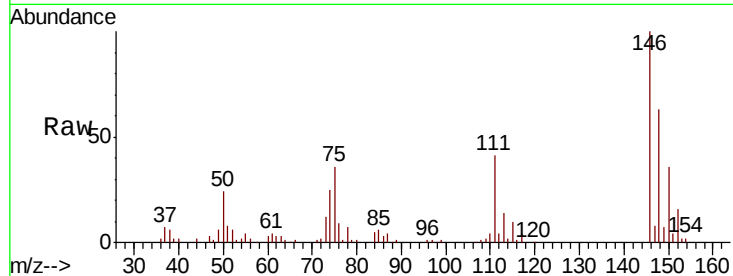
Acq: 20 May 2020 14:19

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	36113
Ion Ratio	Lower	Upper
146	100	
111	41.4	28.9 53.7
148	62.8	44.6 82.8



#66

1,2-Dichlorobenzene

Concen: 8.066 ug/L

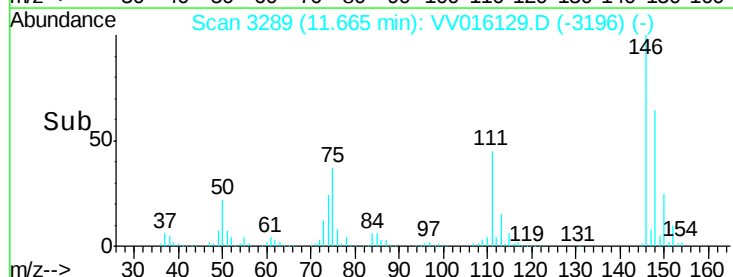
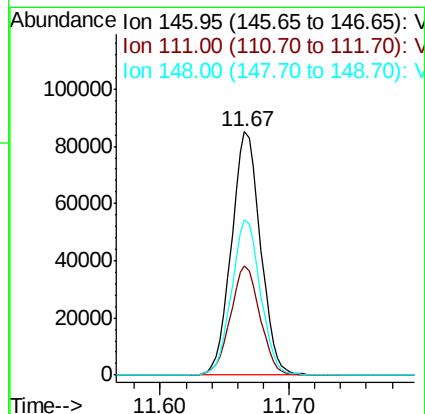
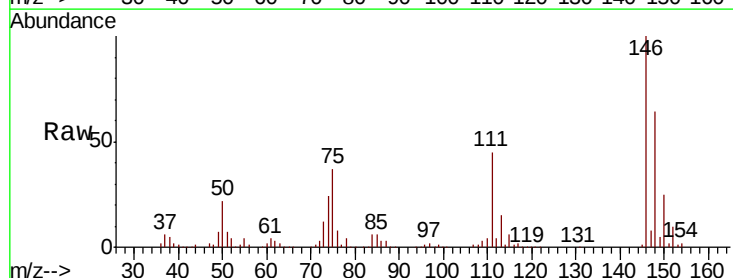
RT: 11.67 min Scan# 3289

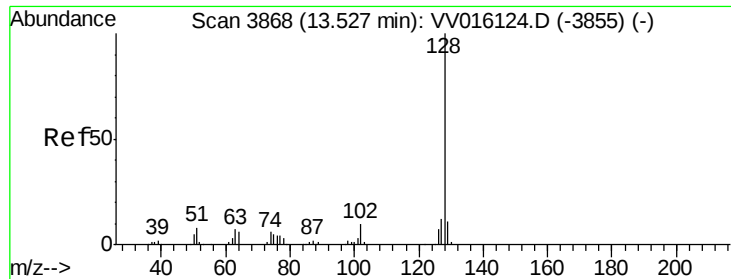
Delta R.T. -0.00 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

Tgt Ion:146	Resp:	133471
Ion Ratio	Lower	Upper
146	100	
111	44.8	37.0 55.4
148	63.9	49.8 74.6





#70

Naphthalene

Concen: 0.090 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

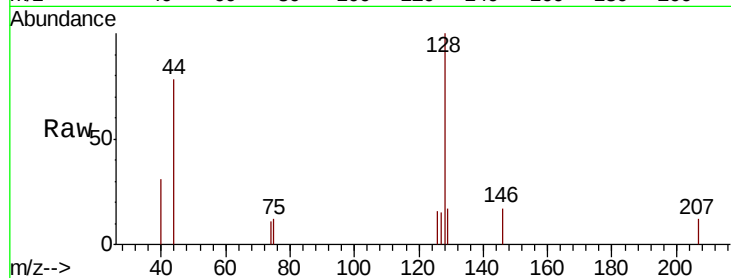
Lab File: VV016129.D

Acq: 20 May 2020 14:19

Instrument :

MSVOA_V

ClientSampleId :



Tot Ion:128 Resp: 1638

Ion Ratio Lower Upper

128 100

129 10.0 8.5 12.7

127 13.5 10.2 15.2

