

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017026.D
 Acq On : 22 Jun 2020 18:58
 Operator : SY/MD
 Sample : L3067-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXG2

Quant Time: Jun 23 04:57:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 04:53:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	198635	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	186958	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	93878	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	62869	5.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.40%
7) Chloroethane-d5	1.58	69	48548	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.00%
11) 1,1-Dichloroethene-d2	2.12	63	88410	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	3.95	46	159146	52.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.76%
24) Chloroform-d	4.38	84	132809	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.06	65	72661	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.07	84	264138	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
36) 1,2-Dichloropropane-d6	6.09	67	76524	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.34	98	238331	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
45) trans-1,3-Dichloropropene-	7.64	79	22611	3.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.80%
48) 2-Hexanone-d5	8.11	63	108909	47.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.52%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	54123	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	97340	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	15022	1.152 ug/L	90
8) Chloroethane	1.32	64	4772	0.662 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	953	0.091 ug/L #	23
14) Carbon disulfide	2.31	76	2641	0.092 ug/L #	94
18) trans-1,2-Dichloroethene	2.78	96	20983	2.077 ug/L	93
19) 1,1-Dichloroethane	3.21	63	29993	1.321 ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	98114	7.102 ug/L	100
27) 1,2-Dichloroethane	5.17	62	1046	0.068 ug/L #	76
33) Benzene	5.12	78	330264	6.745 ug/L	100
34) Trichloroethene	5.94	95	2706	0.189 ug/L	93
35) Methylcyclohexane	6.09	83	20121	0.903 ug/L #	18
37) 1,2-Dichloropropane	6.21	63	1148	0.095 ug/L #	84
50) 2-Hexanone	8.17	43	5344	1.073 ug/L #	75
53) Chlorobenzene	8.91	112	2063	0.058 ug/L	90
58) Isopropylbenzene	9.95	105	5987	0.098 ug/L	96
66) 1,2-Dichlorobenzene	11.67	146	10724	0.418 ug/L	90

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 23 04:53:49 2020
Response via : Initial Calibration

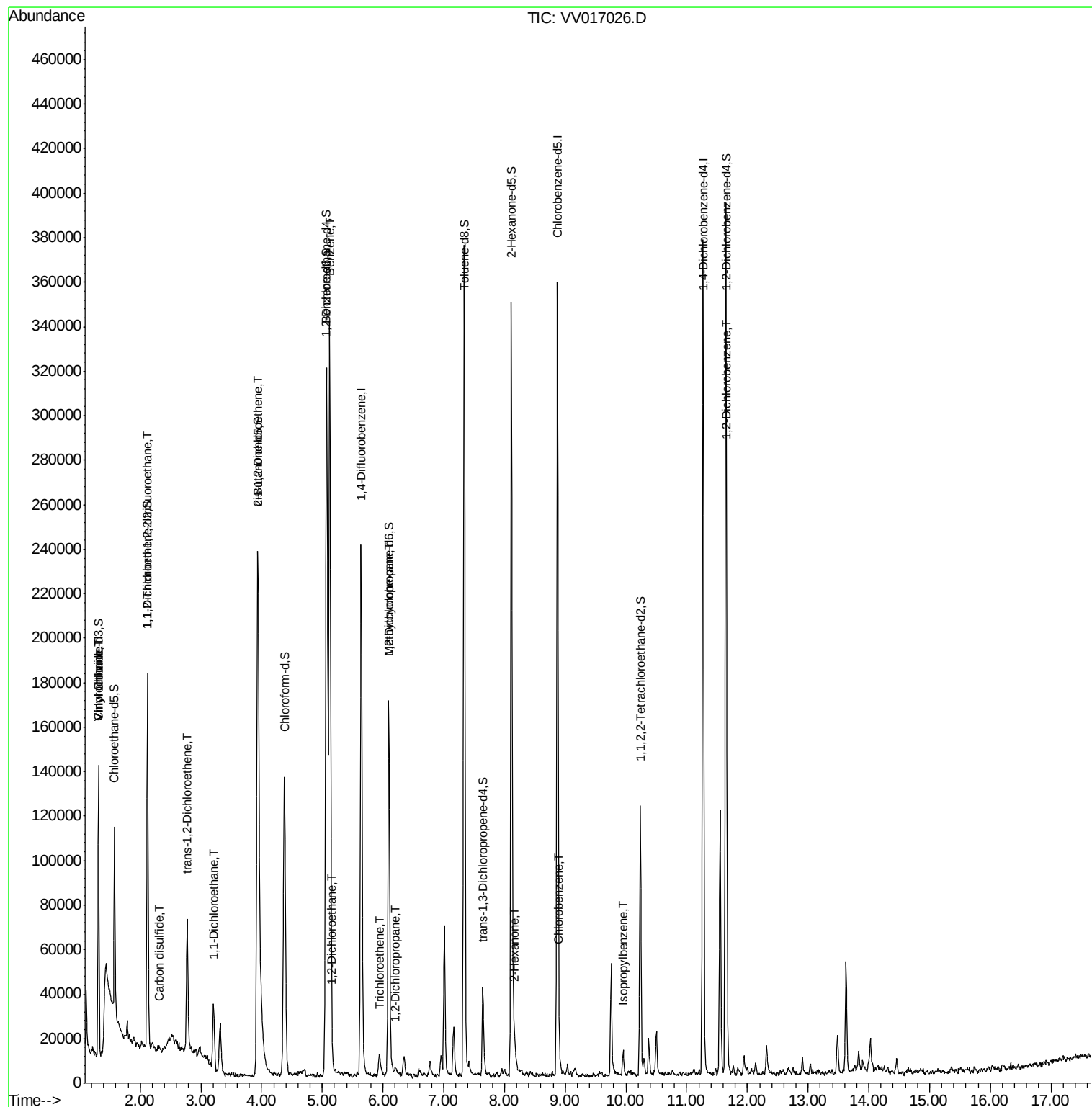
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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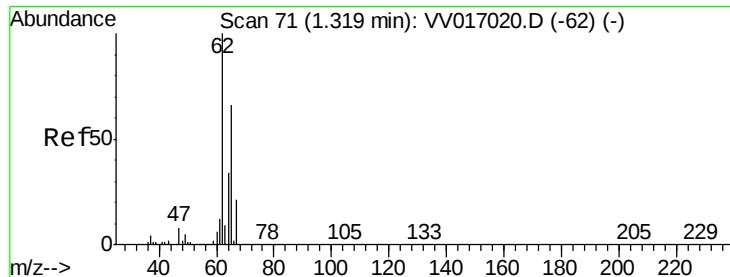
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 23 04:53:49 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.152 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

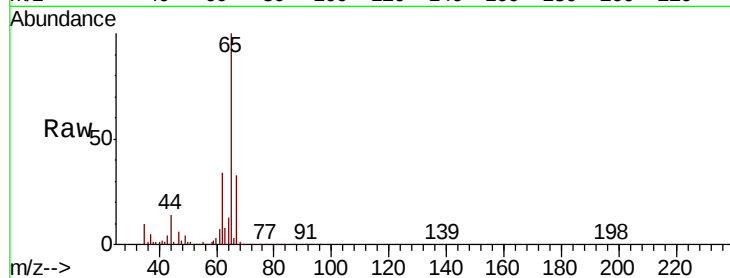
Lab File: VV017026.D

Acq: 22 Jun 2020 18:58

Instrument :
MSVOA_V
ClientSampled :
BFXG2

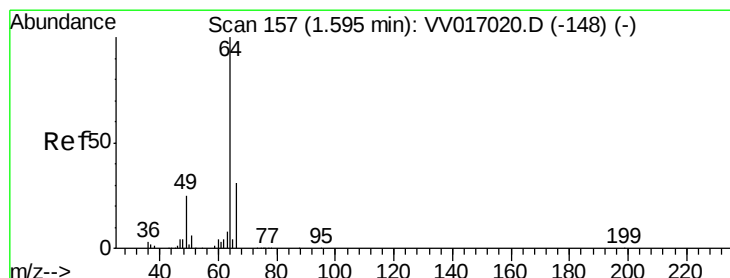
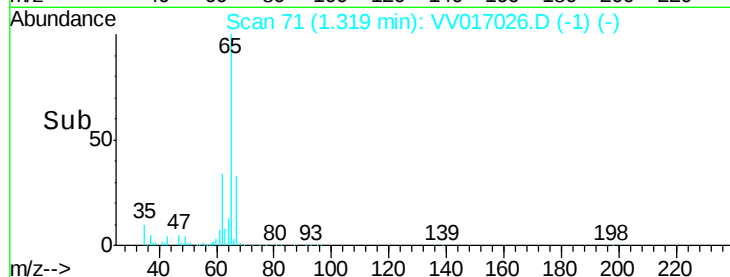
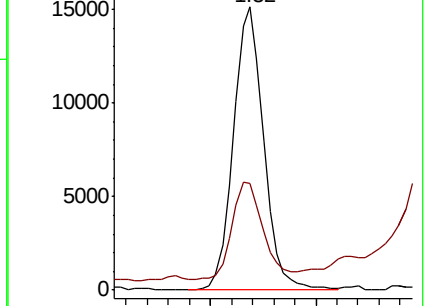
Tot Ion: 62 Resp: 15022

Ion	Ratio	Lower	Upper
62	100		
64	37.7	22.5	41.7



Abundance Ion 62.00 (61.70 to 62.70): VV017020.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV017020.D (-62) (-)



#8

Chloroethane

Concen: 0.662 ug/L

RT: 1.32 min Scan# 70

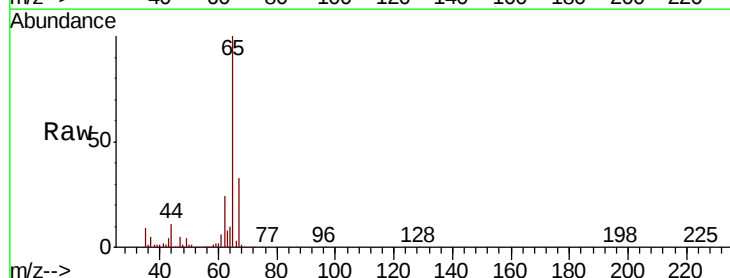
Delta R.T. -0.28 min

Lab File: VV017026.D

Acq: 22 Jun 2020 18:58

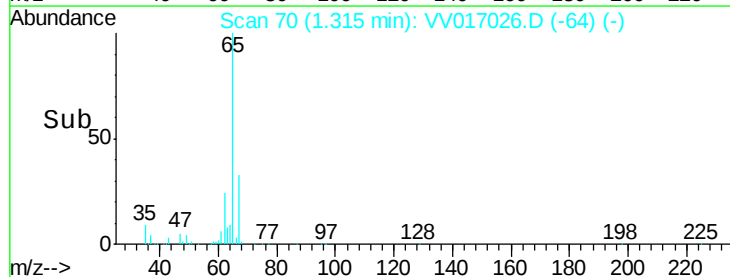
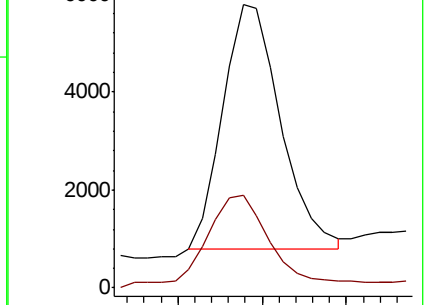
Tgt Ion: 64 Resp: 4772

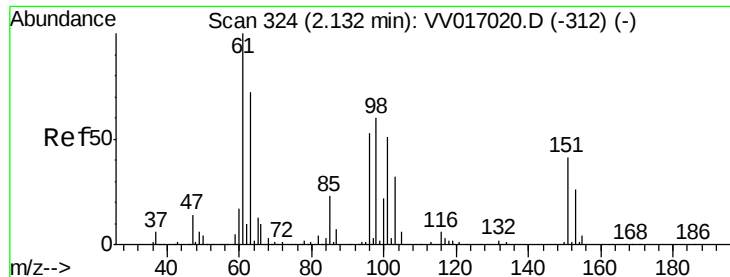
Ion	Ratio	Lower	Upper
64	100		
66	32.8	22.8	42.4



Abundance Ion 64.10 (63.80 to 64.80): VV017026.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV017026.D (-64) (-)





#10

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

Concen: 0.091 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.02 min

Lab File: VV017026.D

Acq: 22 Jun 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

BFXG2

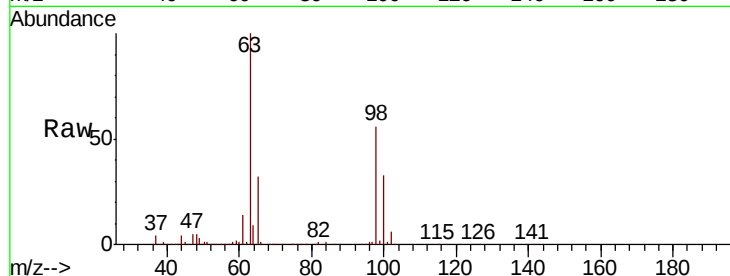
Tot Ion:101 Resp: 953

Ion Ratio Lower Upper

101 100

85 4.9 35.4 53.2#

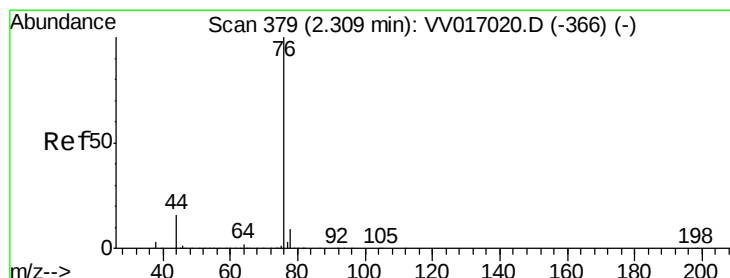
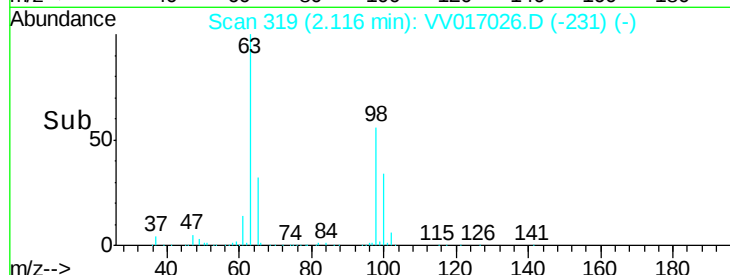
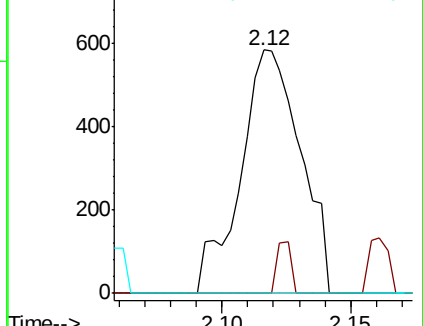
151 4.4 63.9 95.9#



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



#14

Carbon disulfide

Concen: 0.092 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017026.D

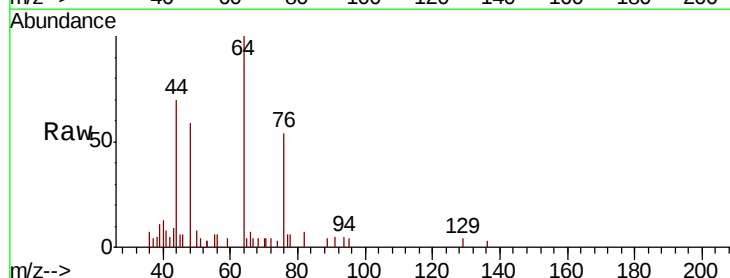
Acq: 22 Jun 2020 18:58

Tgt Ion: 76 Resp: 2641

Ion Ratio Lower Upper

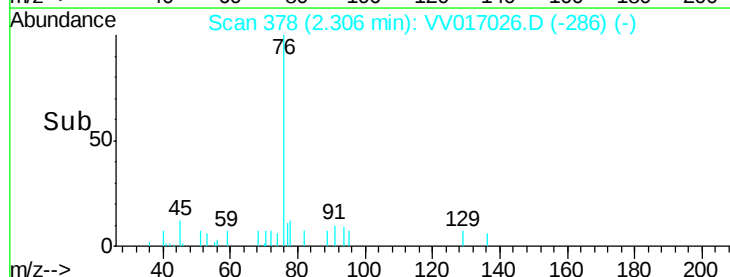
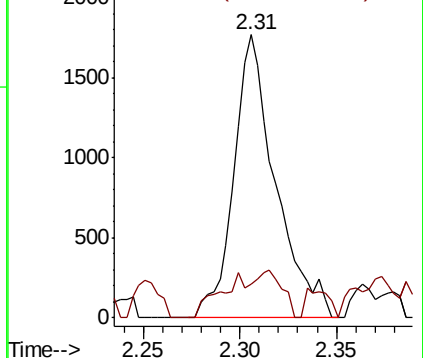
76 100

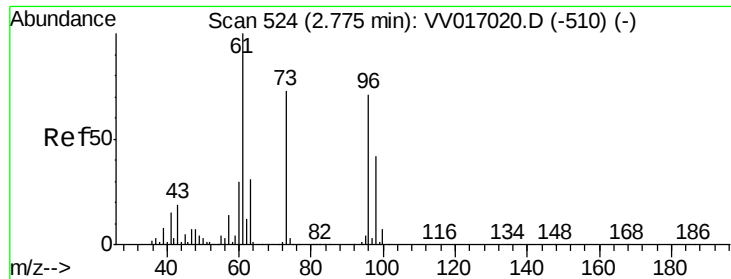
78 11.8 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

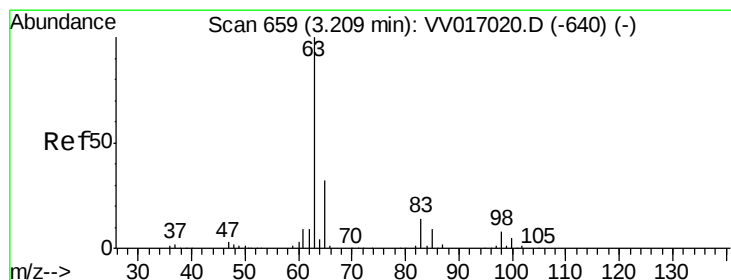
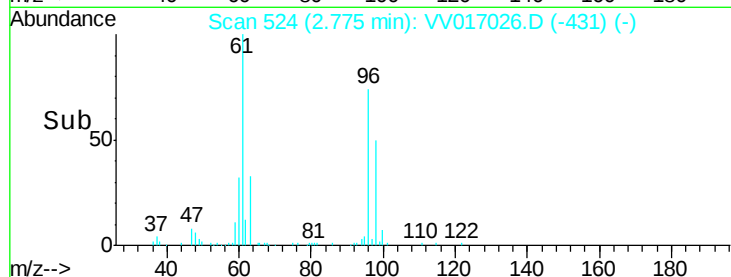
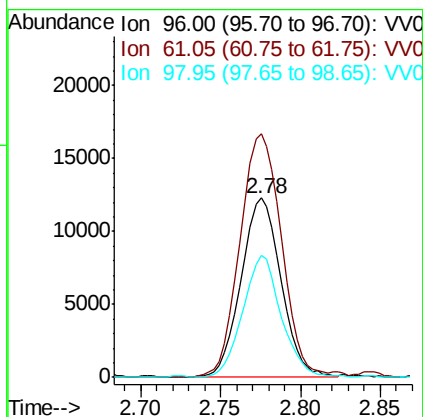
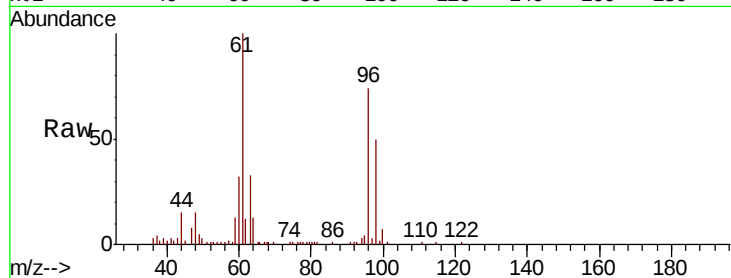




#18
trans-1,2-Dichloroethene
Concen: 2.077 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV017026.D
Acq: 22 Jun 2020 18:58

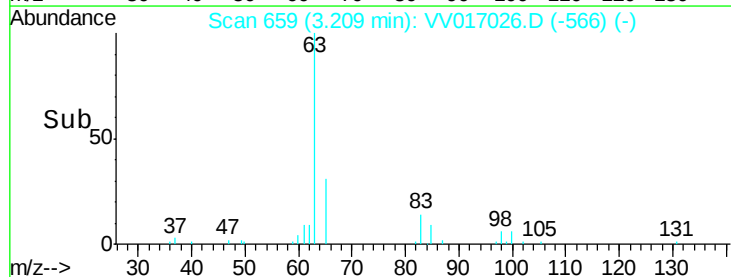
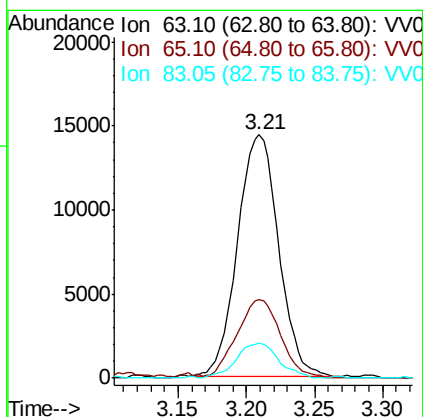
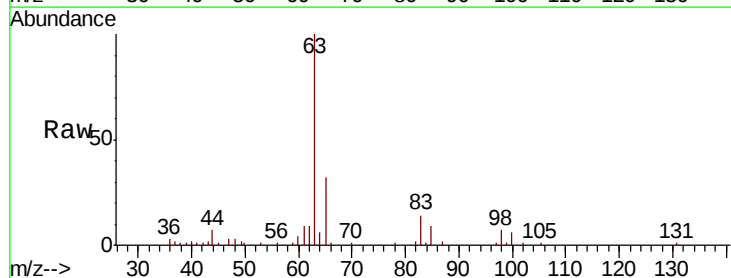
Instrument :
MSVOA_V
ClientSampleId :
BFXG2

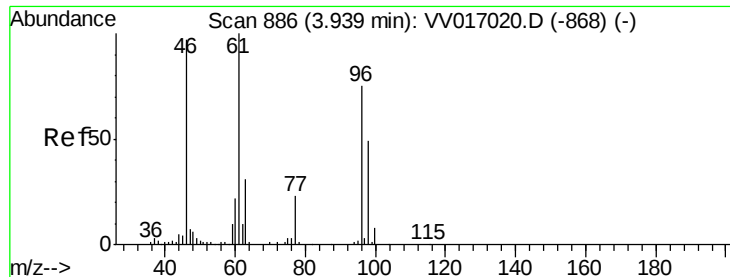
Tot Ion: 96 Resp: 20983
Ion Ratio Lower Upper
96 100
61 135.9 102.3 189.9
98 68.3 44.7 82.9



#19
1,1-Dichloroethane
Concen: 1.321 ug/L
RT: 3.21 min Scan# 659
Delta R.T. 0.00 min
Lab File: VV017026.D
Acq: 22 Jun 2020 18:58

Tgt Ion: 63 Resp: 29993
Ion Ratio Lower Upper
63 100
65 32.3 21.8 40.4
83 14.2 9.7 17.9



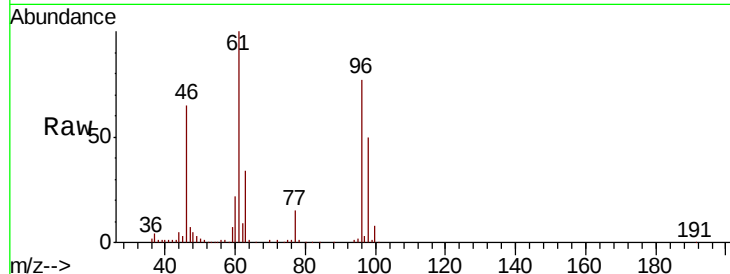


#22

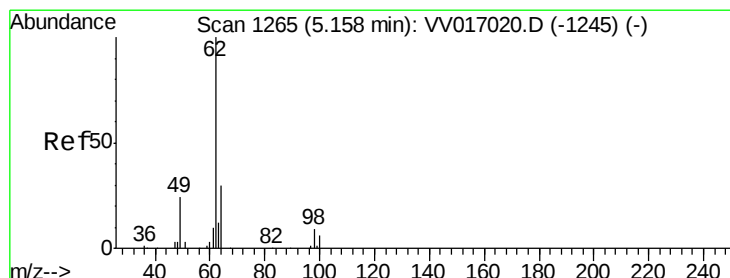
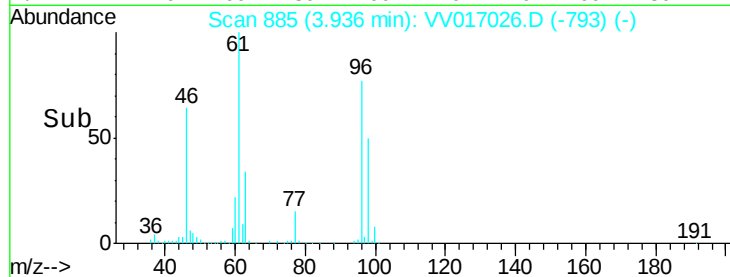
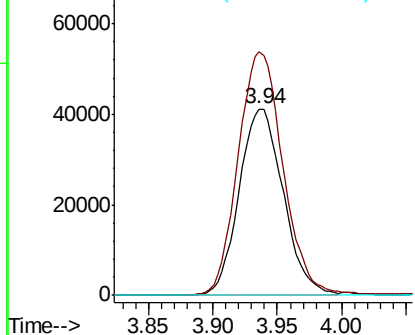
cis-1,2-Dichloroethene
 Concen: 7.102 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017026.D
 Acq: 22 Jun 2020 18:58

Instrument :
 MSVOA_V
 ClientSampled :
 BFXG2

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.6	91.0	169.0
68	0.0	0.0	0.0



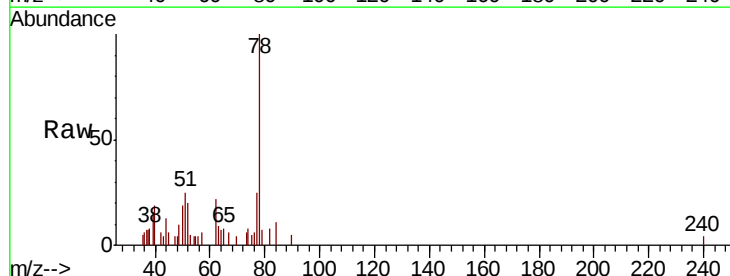
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



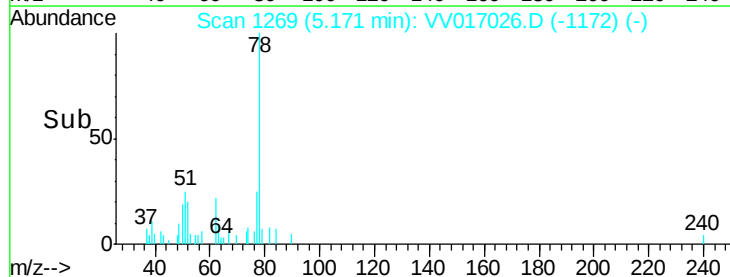
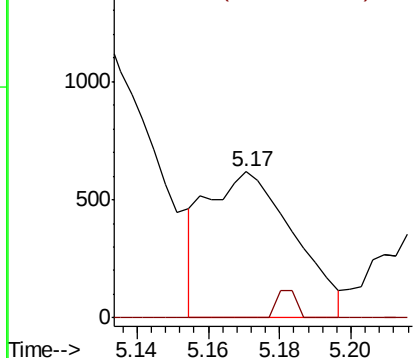
#27

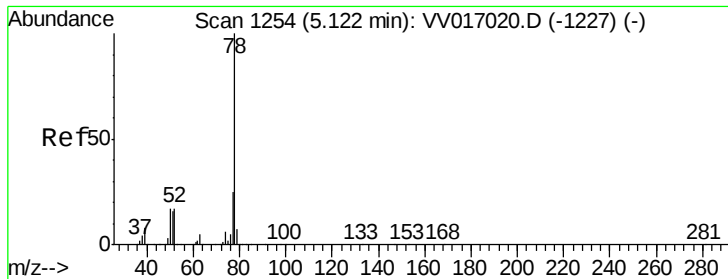
1,2-Dichloroethane
 Concen: 0.068 ug/L
 RT: 5.17 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VV017026.D
 Acq: 22 Jun 2020 18:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.7	10.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.05 (97.75 to 98.75): VV0





#33

Benzene

Concen: 6.745 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV017026.D

Acq: 22 Jun 2020 18:58

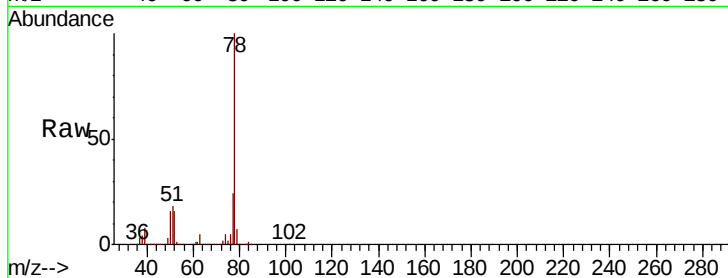
Instrument :

MSVOA_V

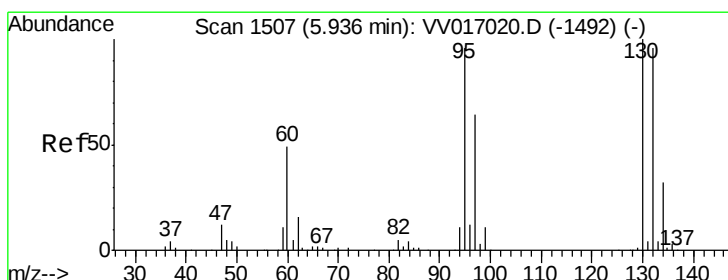
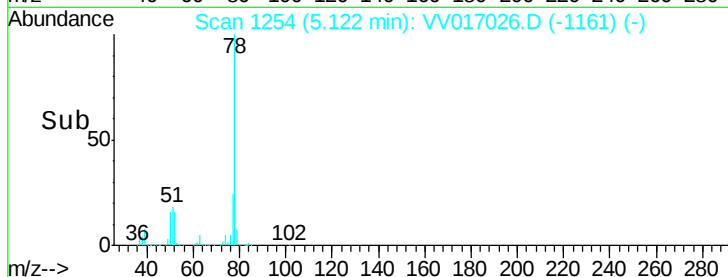
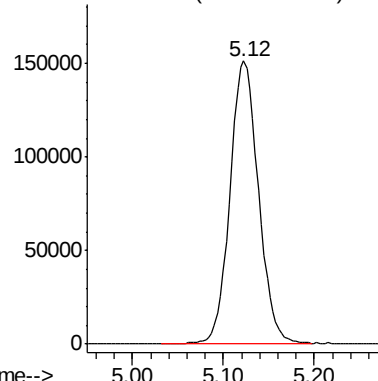
ClientSampleId :

BFXG2

Tgt Ion: 78 Resp: 330264



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.189 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017026.D

Acq: 22 Jun 2020 18:58

Tgt Ion: 95 Resp: 2706

Ion	Ratio	Lower	Upper
95	100		
97	74.0	45.3	84.1
132	90.7	68.8	127.8
130	95.8	70.2	130.4

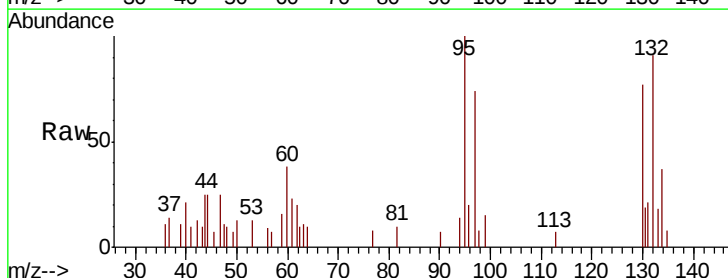
Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

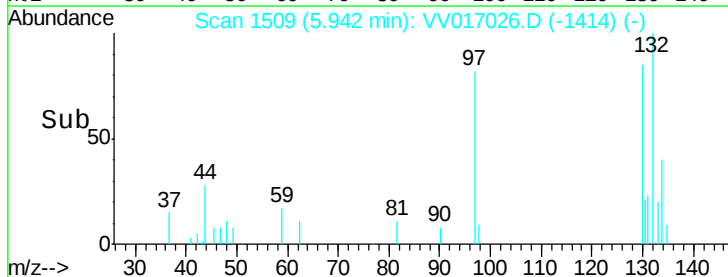
Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0



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

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

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

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

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

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

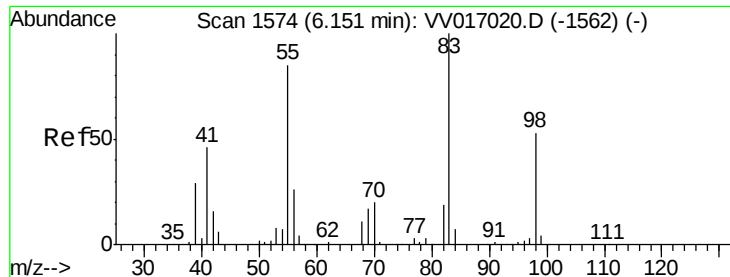
Ion 129.95 (129.65 to 130.65): VV0

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

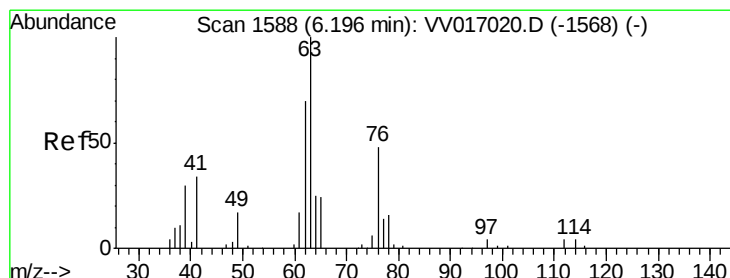
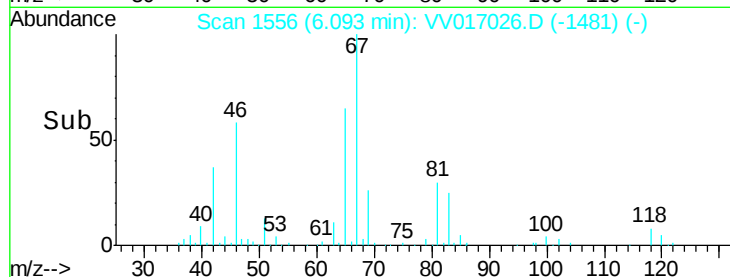
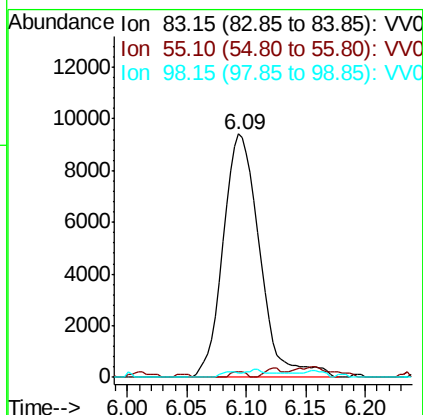
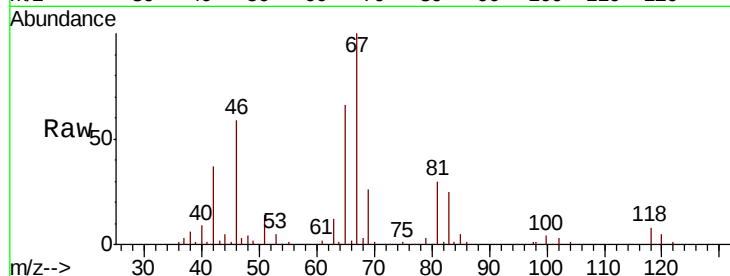
Ion 129.95 (129.65 to 130.65): VV0



#35
Methylcyclohexane
Concen: 0.903 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017026.D
Acq: 22 Jun 2020 18:58

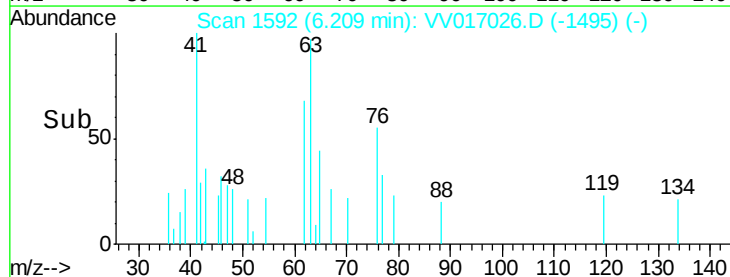
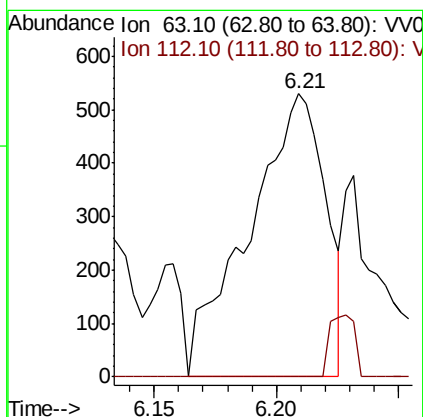
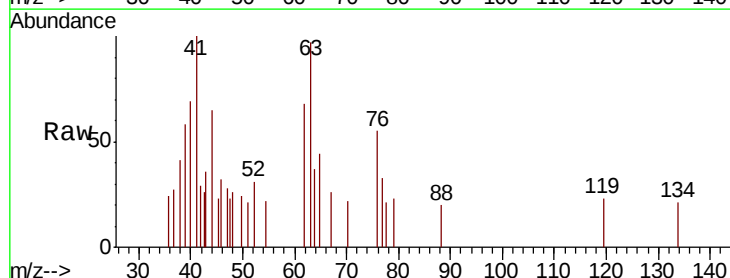
Instrument :
MSVOA_V
ClientSampled :
BFXG2

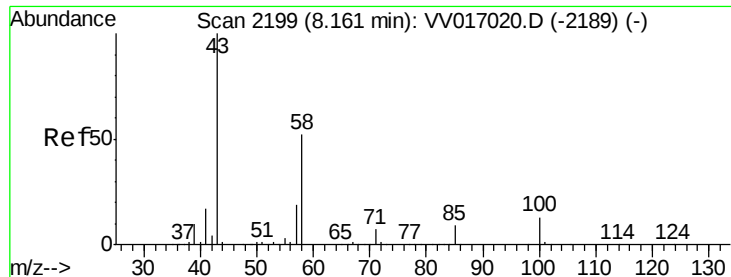
Tot Ion: 83 Resp: 20121
Ion Ratio Lower Upper
83 100
55 0.9 63.6 95.4#
98 1.2 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.095 ug/L
RT: 6.21 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VV017026.D
Acq: 22 Jun 2020 18:58

Tgt Ion: 63 Resp: 1148
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#

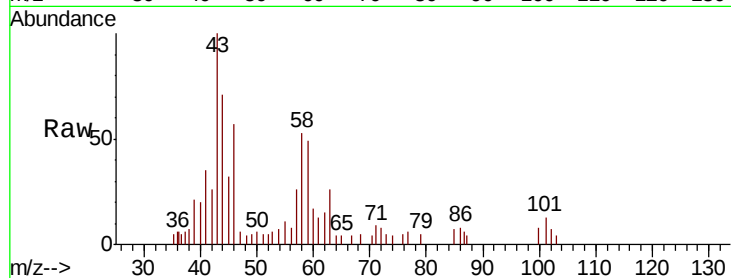




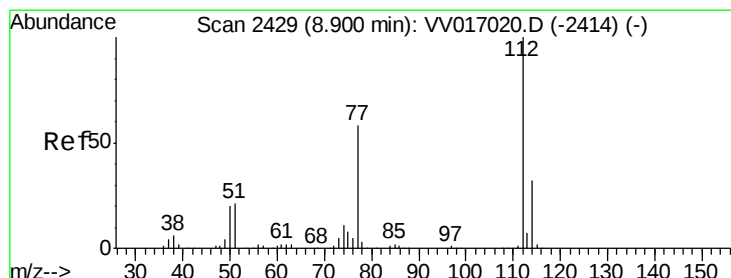
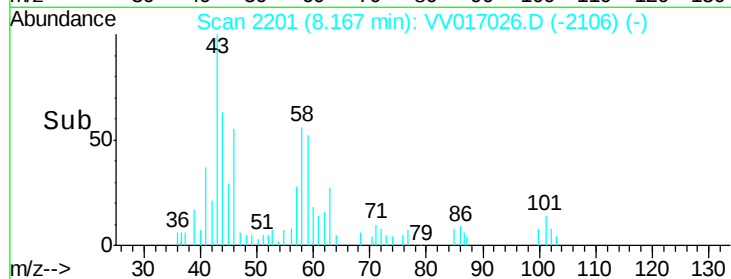
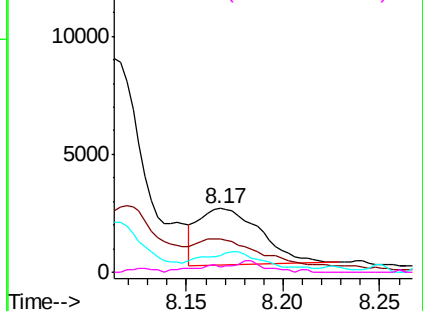
#50
2-Hexanone
Concen: 1.073 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV017026.D
Acq: 22 Jun 2020 18:58

Instrument :
MSVOA_V
ClientSampleId :
BFXG2

Tot Ion: 43 Resp: 5344
Ion Ratio Lower Upper
43 100
58 67.1 41.6 62.4#
57 0.0 15.4 23.0#
100 6.2 10.1 15.1#

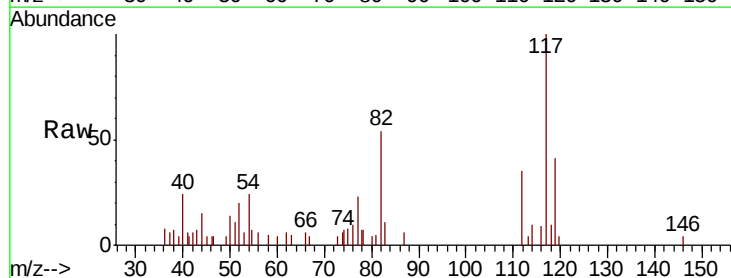


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

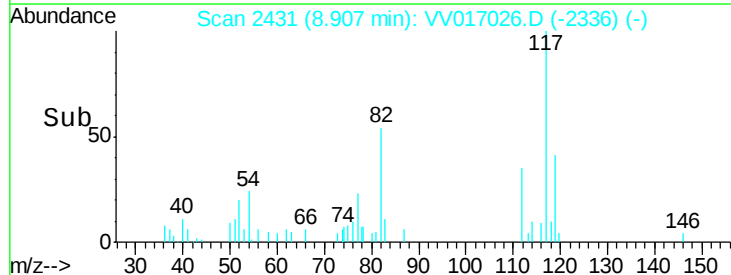
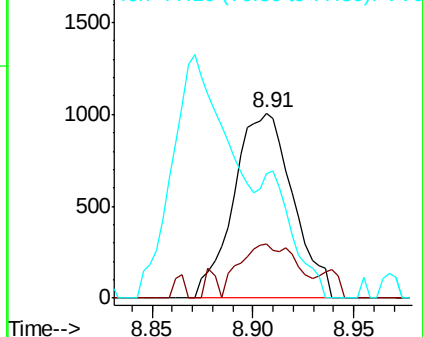


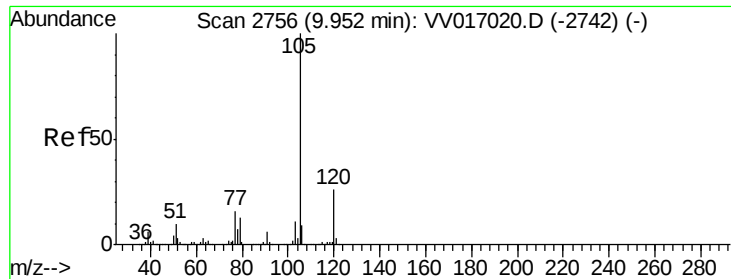
#53
Chlorobenzene
Concen: 0.058 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.01 min
Lab File: VV017026.D
Acq: 22 Jun 2020 18:58

Tgt Ion: 112 Resp: 2063
Ion Ratio Lower Upper
112 100
114 29.3 22.0 41.0
77 67.4 46.0 69.0



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): VV0





#58

Isopropylbenzene

Concen: 0.098 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017026.D

Acq: 22 Jun 2020 18:58

Instrument :

MSVOA_V

ClientSampleId :

BFXG2

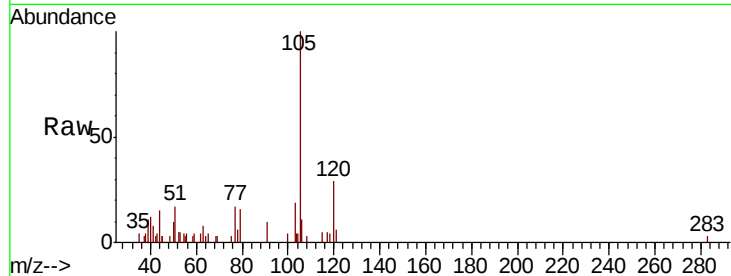
Tot Ion:105 Resp: 5987

Ion Ratio Lower Upper

105 100

120 25.1 21.2 31.8

77 18.4 13.0 19.4

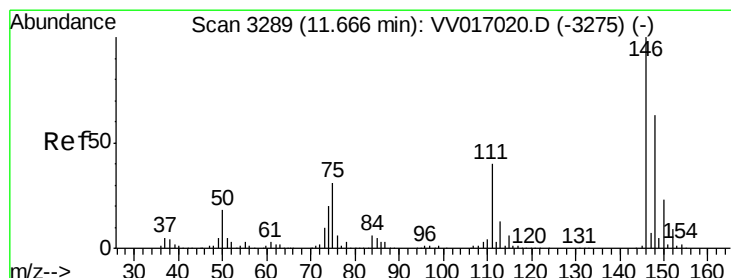
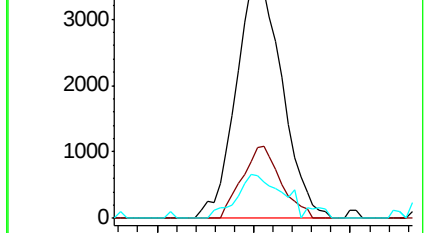
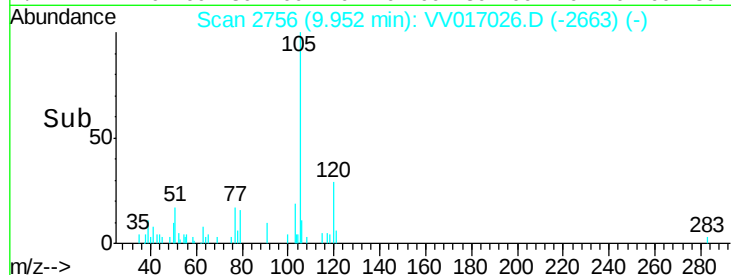


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time-->



#66

1,2-Dichlorobenzene

Concen: 0.418 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017026.D

Acq: 22 Jun 2020 18:58

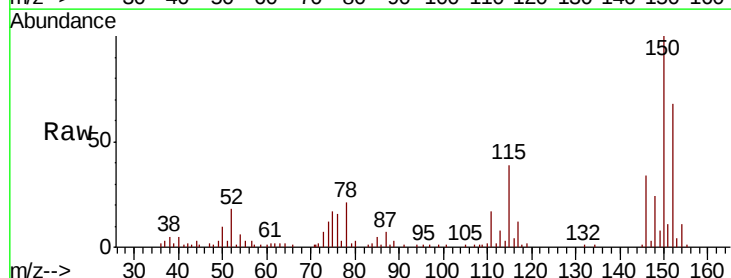
Tgt Ion:146 Resp: 10724

Ion Ratio Lower Upper

146 100

111 50.8 34.4 51.6

148 69.5 49.9 74.9



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

Time-->

