

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017053.D
 Acq On : 23 Jun 2020 14:11
 Operator : SY/MD
 Sample : L3067-01DL 40X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFXF8DL

Quant Time: Jun 24 05:05:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 05:01:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	176379	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	171637	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	88859	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44547	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.58	69	36250	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.13	63	74380	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	3.93	46	134999	50.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.08%
24) Chloroform-d	4.38	84	102289	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.06	65	61938	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.07	84	213216	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.10	67	62834	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.34	98	193154	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
45) trans-1,3-Dichloropropene-	7.64	79	24907	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
48) 2-Hexanone-d5	8.11	63	82473	38.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.98%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	44190	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	79204	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

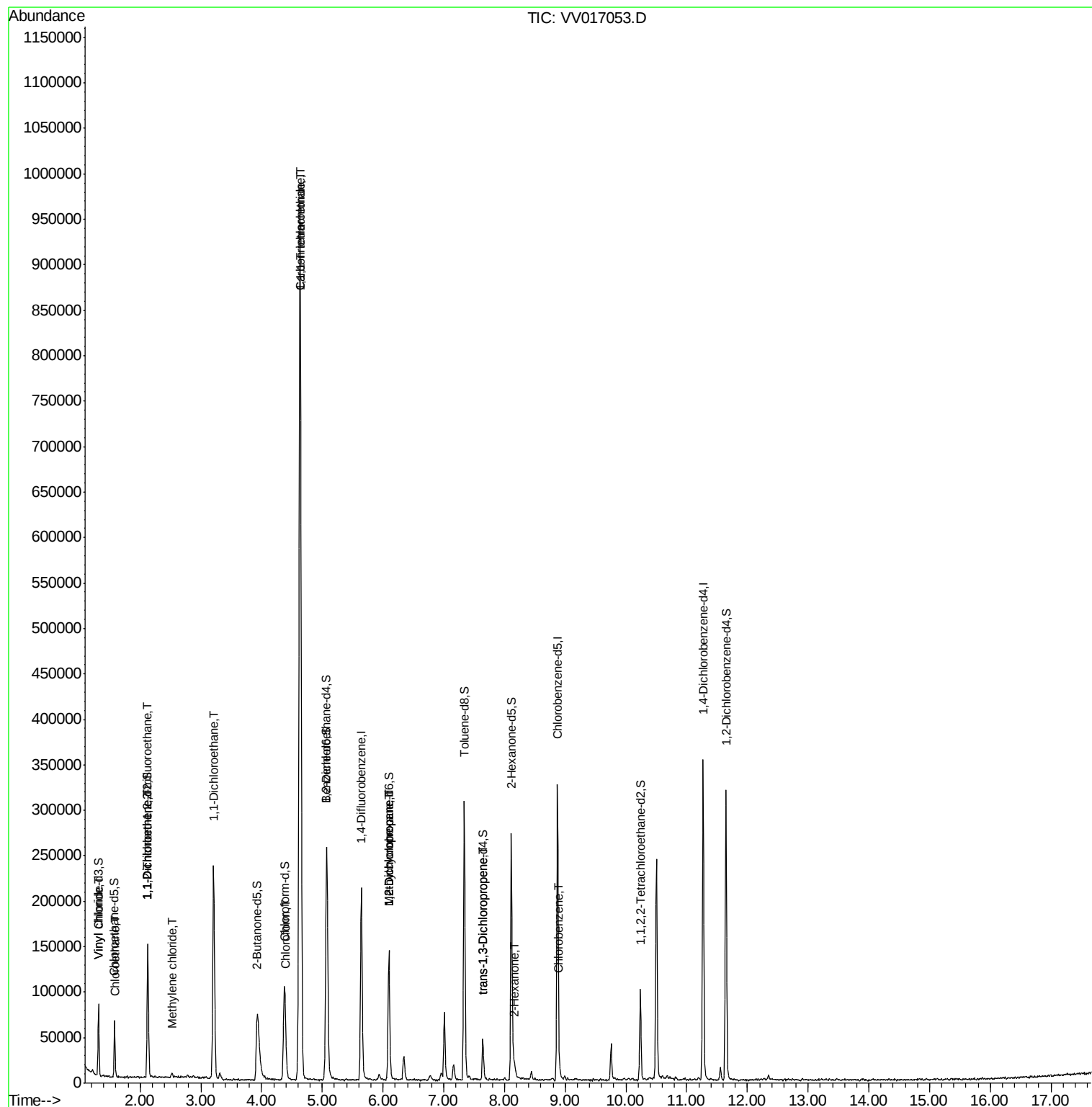
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	2353	0.203	ug/L #	62
8) Chloroethane	1.60	64	1728	0.270	ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	714	0.076	ug/L #	17
12) 1,1-Dichloroethene	2.14	96	10625	1.255	ug/L #	27
16) Methylene chloride	2.52	84	1524	0.168	ug/L #	83
19) 1,1-Dichloroethane	3.21	63	231456	11.484	ug/L	100
25) Chloroform	4.40	83	11829	0.537	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	774367	37.658	ug/L	99
31) Carbon tetrachloride	4.63	117	96944	5.225	ug/L	99
35) Methylcyclohexane	6.10	83	15976	0.781	ug/L #	19
37) 1,2-Dichloropropane	6.09	63	7864	0.707	ug/L #	85
46) trans-1,3-Dichloropropene	7.64	75	1555	0.109	ug/L	88
50) 2-Hexanone	8.17	43	7024	1.536	ug/L #	83
53) Chlorobenzene	8.90	112	4220	0.130	ug/L #	86

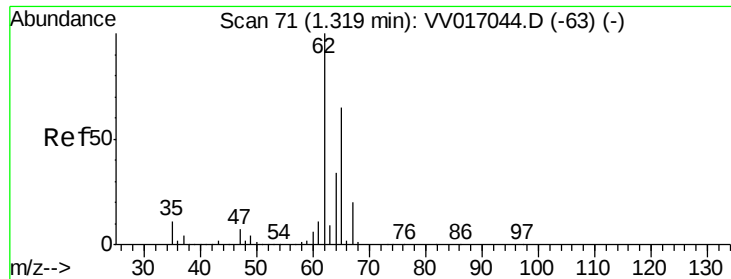
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 24 05:01:54 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.203 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017053.D

Acq: 23 Jun 2020 14:11

Instrument :

MSVOA_V

ClientSampleId :

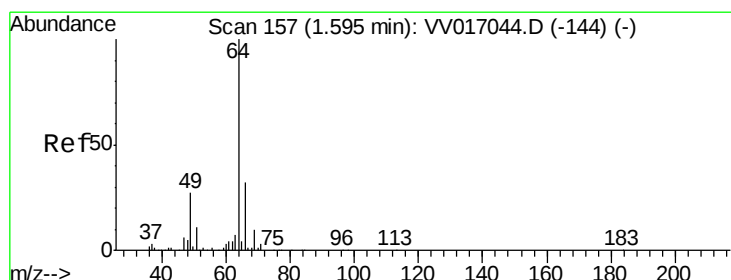
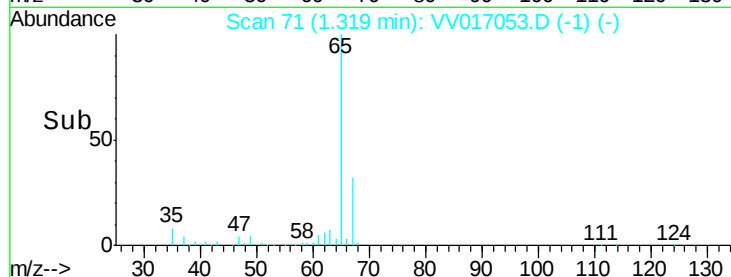
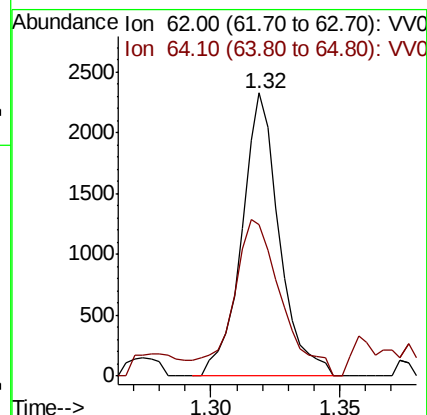
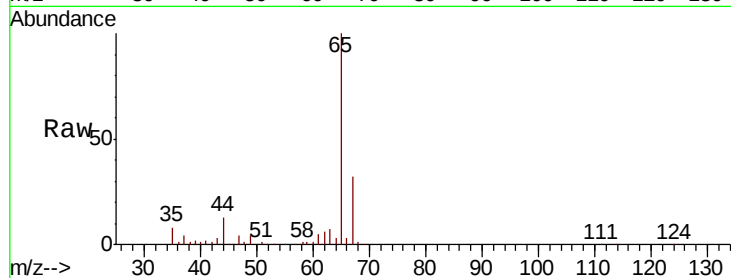
BFXF8DL

Tot Ion: 62 Resp: 2353

Ion Ratio Lower Upper

62 100

64 53.5 22.5 41.7#



#8

Chloroethane

Concen: 0.270 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017053.D

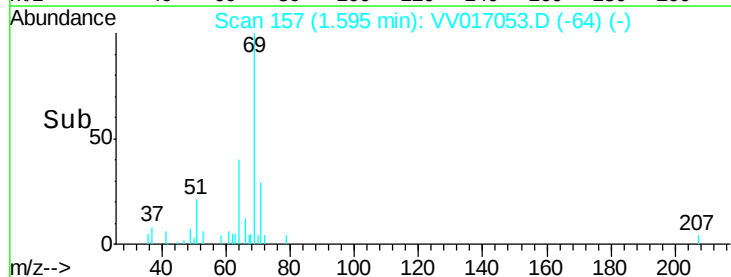
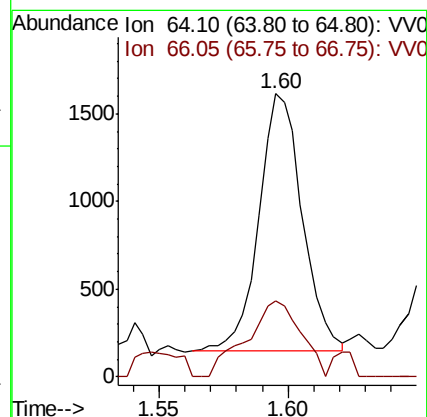
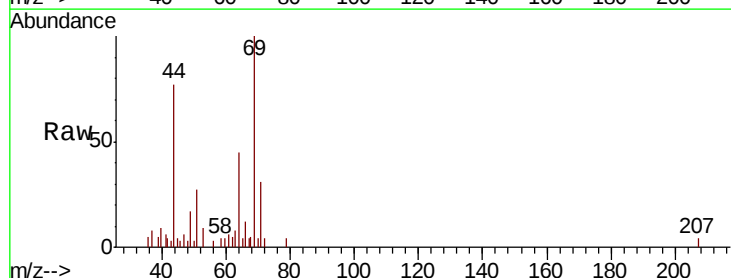
Acq: 23 Jun 2020 14:11

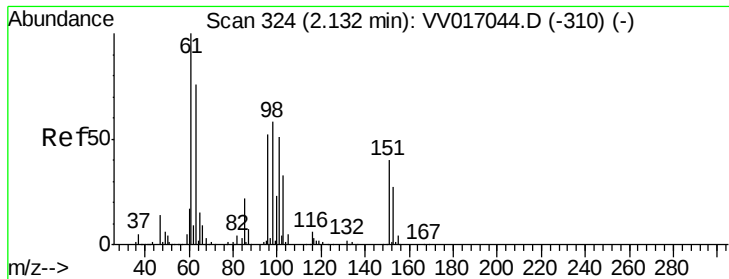
Tgt Ion: 64 Resp: 1728

Ion Ratio Lower Upper

64 100

66 27.1 22.8 42.4





#10

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

Concen: 0.076 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017053.D

Acq: 23 Jun 2020 14:11

Instrument :

MSVOA_V

ClientSampleId :

BFXF8DL

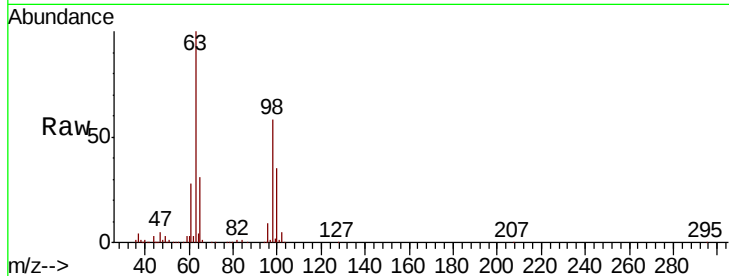
Tot Ion:101 Resp: 714

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.2#

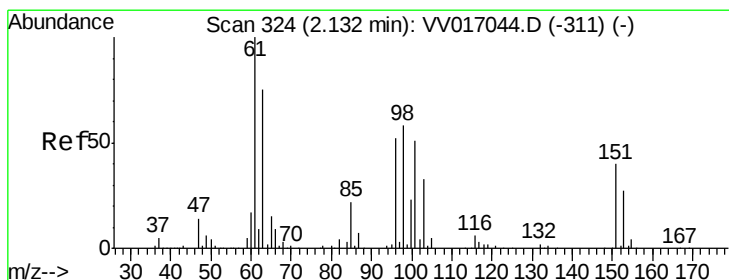
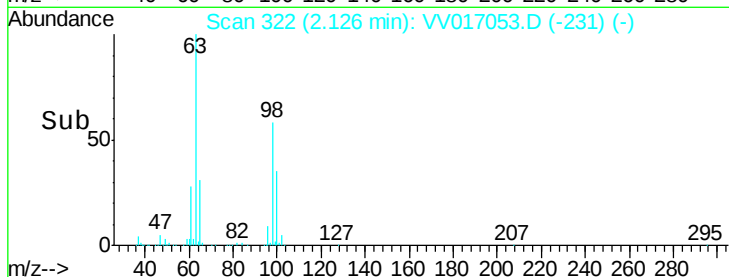
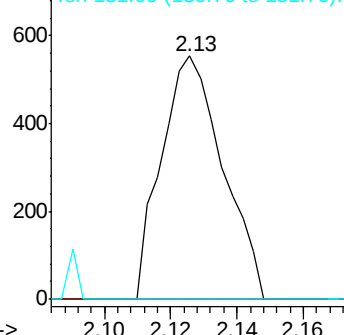
151 0.0 63.9 95.9#



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



#12

1,1-Dichloroethene

Concen: 1.255 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017053.D

Acq: 23 Jun 2020 14:11

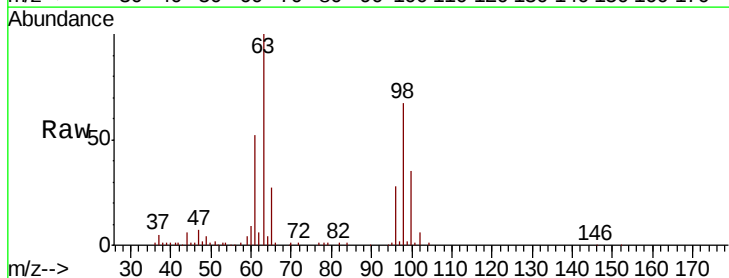
Tgt Ion: 96 Resp: 10625

Ion Ratio Lower Upper

96 100

61 183.5 125.0 232.2

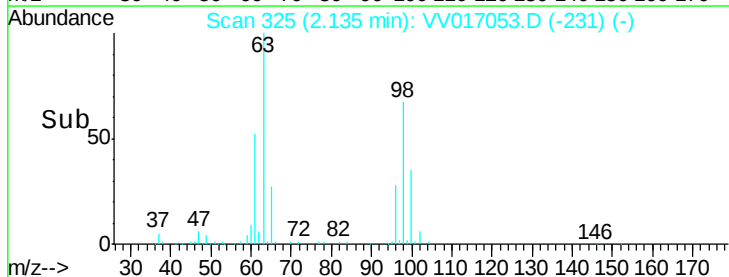
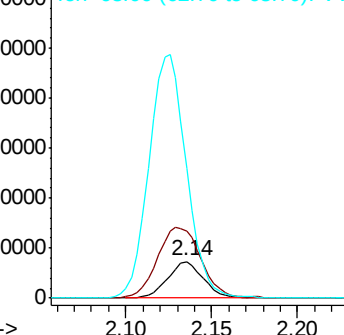
63 356.1 109.8 203.8#

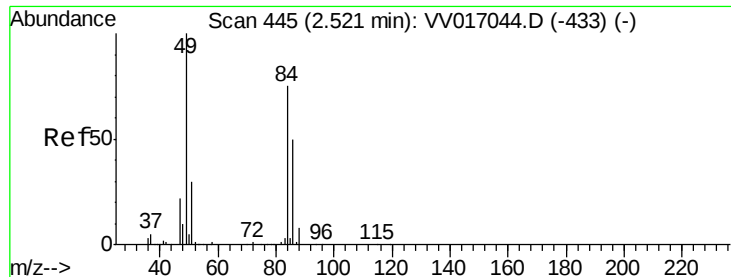


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

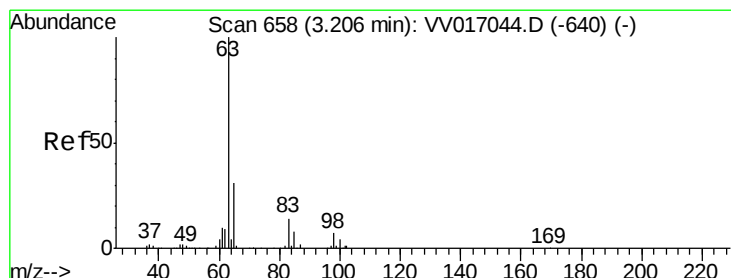
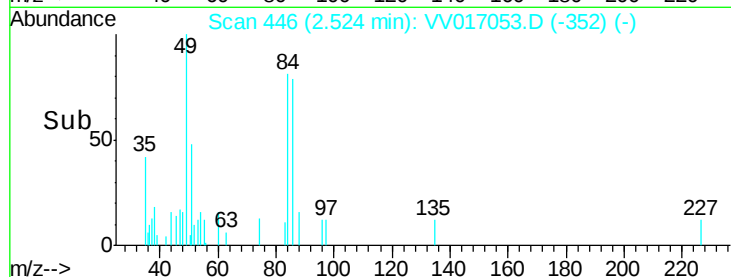
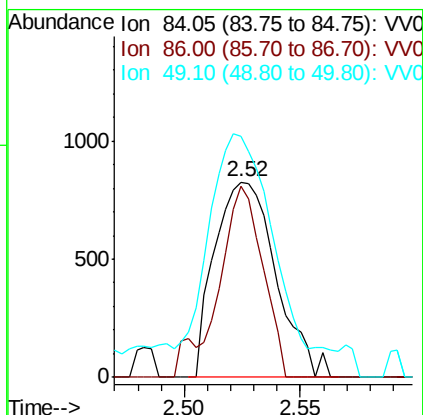
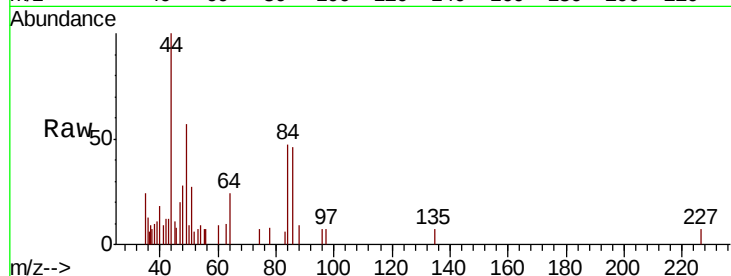




#16
Methvlene chloride
Concen: 0.168 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017053.D
Acq: 23 Jun 2020 14:11

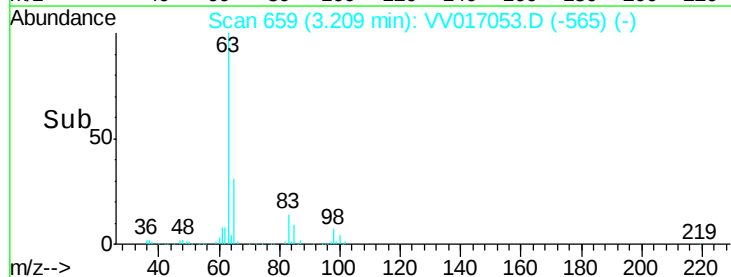
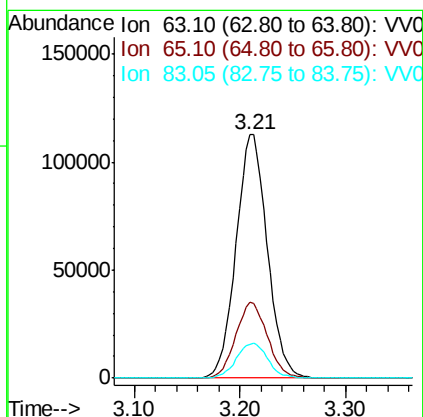
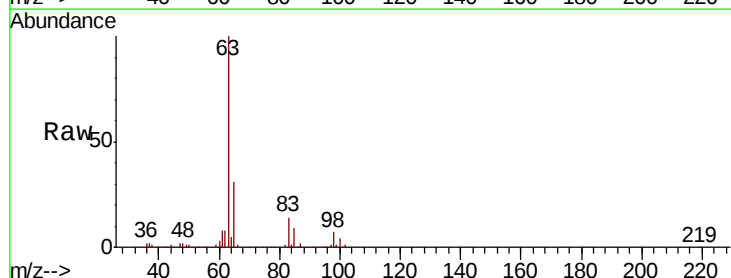
Instrument :
MSVOA_V
ClientSampled :
BFXF8DL

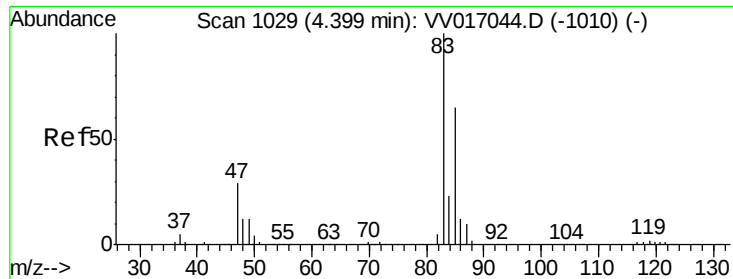
Tot Ion: 84 Resp: 1524
Ion Ratio Lower Upper
84 100
86 97.7 45.8 85.0#
49 123.1 89.6 166.4



#19
1,1-Dichloroethane
Concen: 11.484 ug/L
RT: 3.21 min Scan# 659
Delta R.T. 0.00 min
Lab File: VV017053.D
Acq: 23 Jun 2020 14:11

Tgt Ion: 63 Resp: 231456
Ion Ratio Lower Upper
63 100
65 31.1 21.8 40.4
83 13.9 9.7 17.9

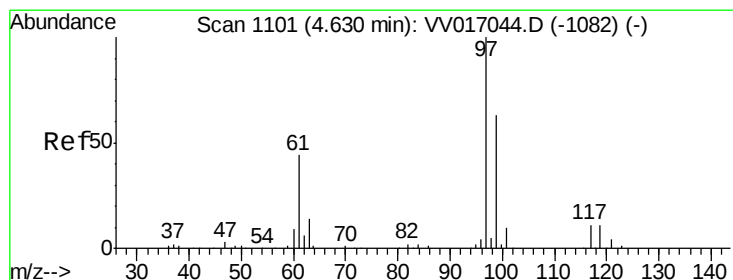
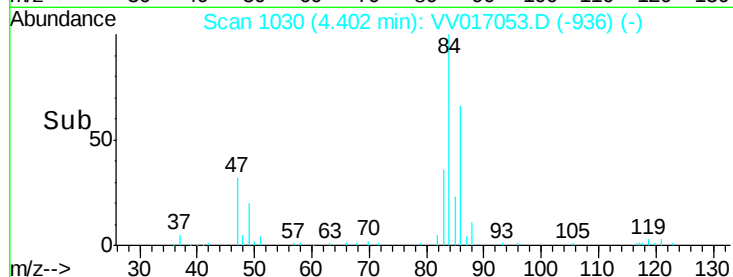
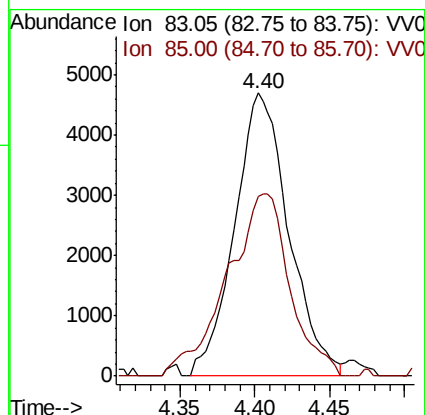
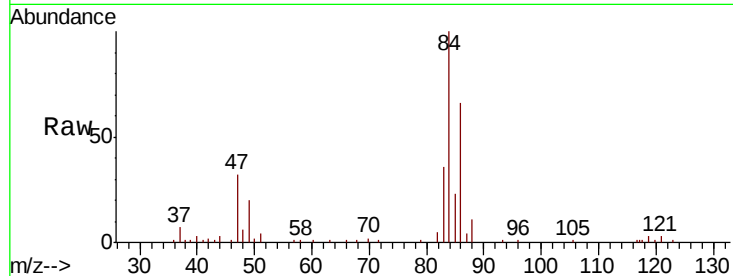




#25
Chloroform
Concen: 0.537 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017053.D
Acq: 23 Jun 2020 14:11

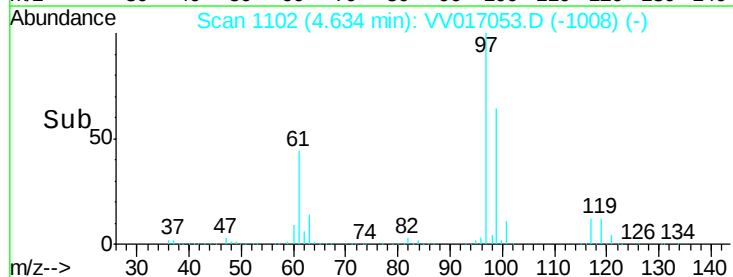
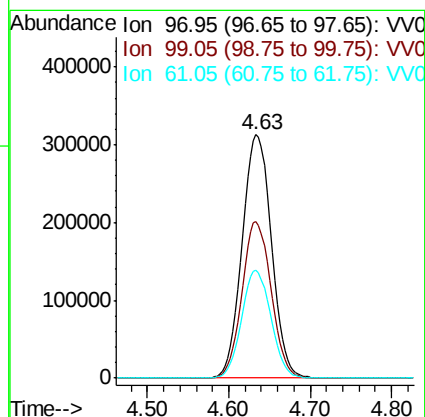
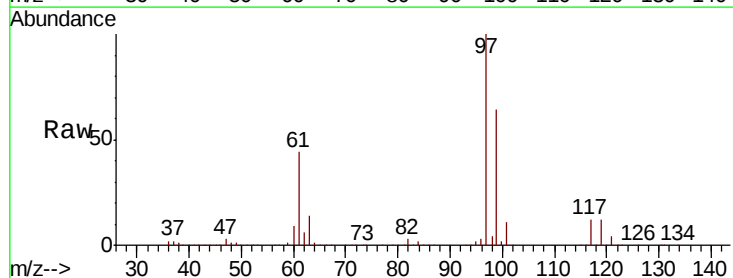
Instrument :
MSVOA_V
ClientSampled :
BFXF8DL

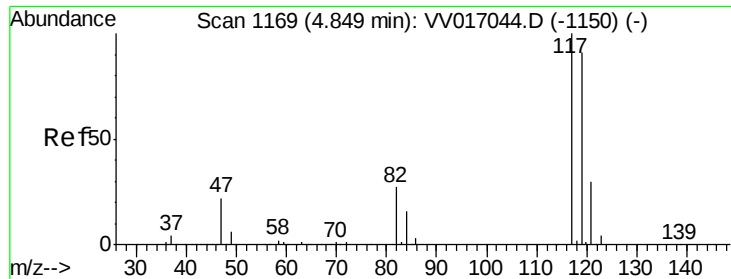
Tot Ion: 83 Resp: 11829
Ion Ratio Lower Upper
83 100
85 63.6 44.2 82.2



#29
1,1,1-Trichloroethane
Concen: 37.658 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV017053.D
Acq: 23 Jun 2020 14:11

Tgt Ion: 97 Resp: 774367
Ion Ratio Lower Upper
97 100
99 64.1 50.3 75.5
61 44.3 36.0 54.0





#31

Carbon tetrachloride

Concen: 5.225 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.22 min

Lab File: VV017053.D

Acq: 23 Jun 2020 14:11

Instrument :

MSVOA_V

ClientSampleId :

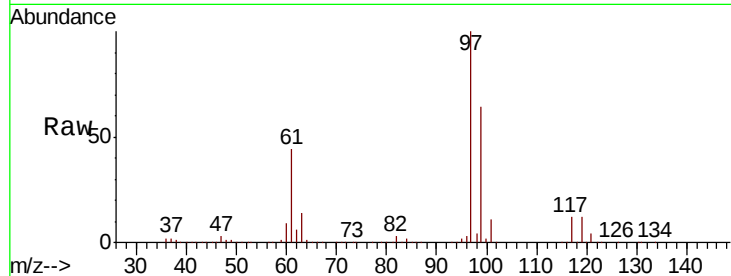
BFXF8DL

Tot Ion:117 Resp: 96944

Ion Ratio Lower Upper

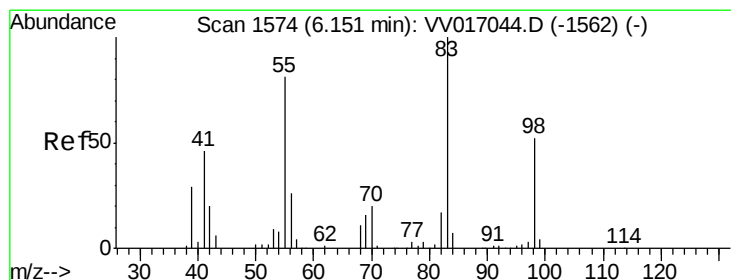
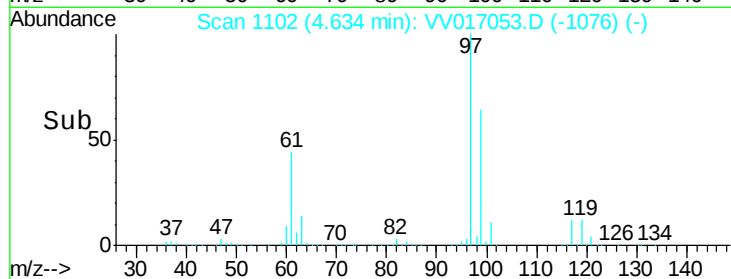
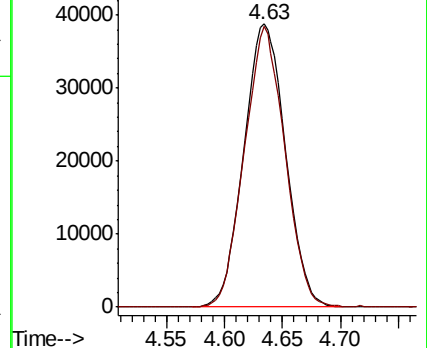
117 100

119 96.2 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#35

Methylcyclohexane

Concen: 0.781 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV017053.D

Acq: 23 Jun 2020 14:11

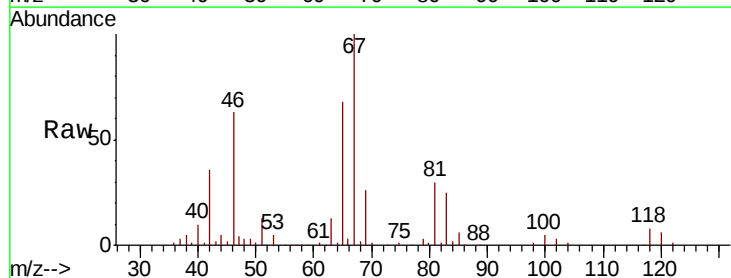
Tgt Ion: 83 Resp: 15976

Ion Ratio Lower Upper

83 100

55 1.0 63.6 95.4#

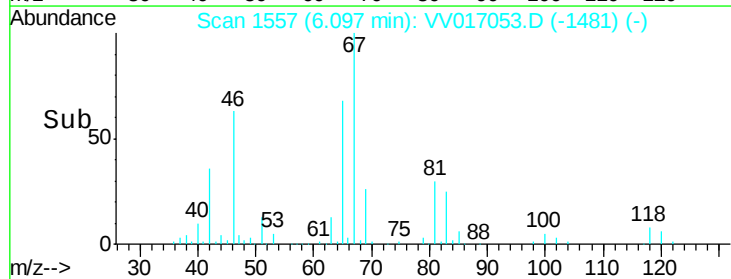
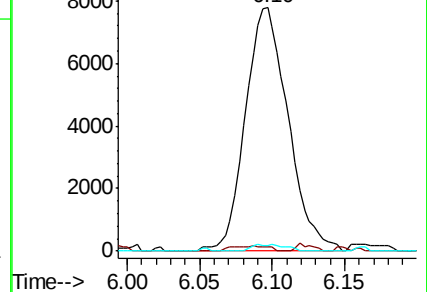
98 2.2 38.8 58.2#

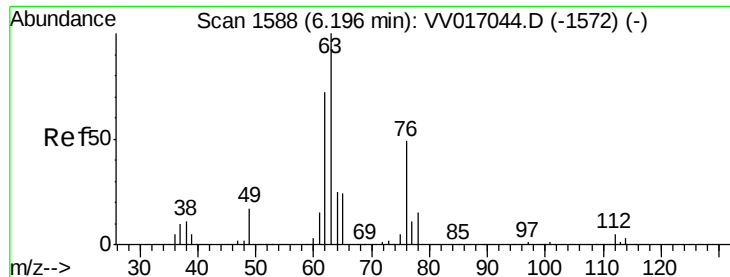


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

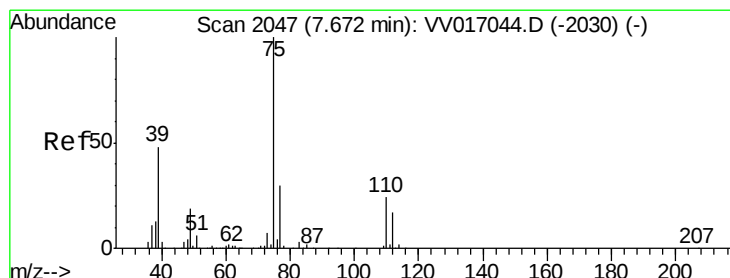
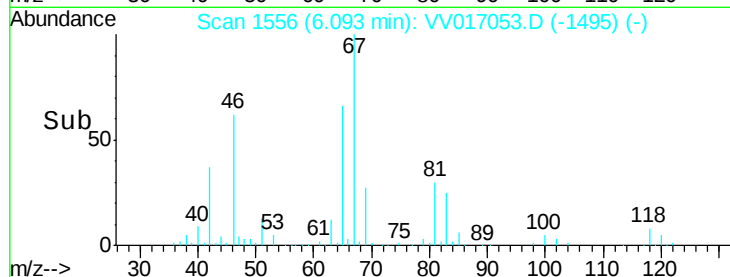
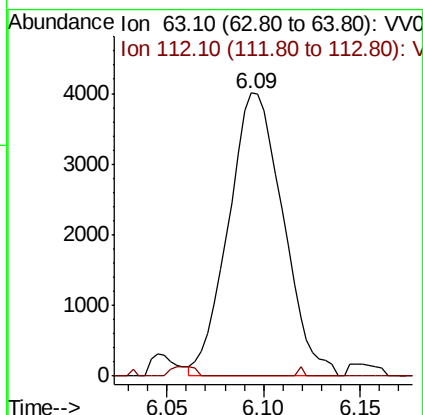
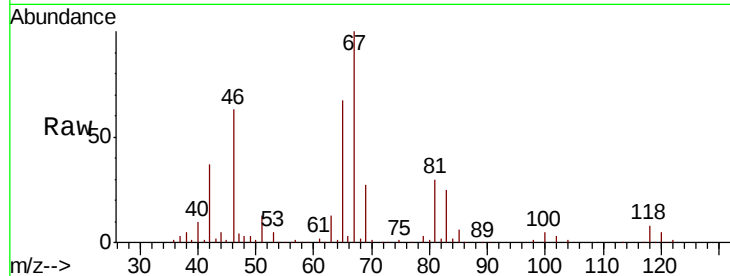




#37
 1,2-Dichloropropane
 Concen: 0.707 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV017053.D
 Acq: 23 Jun 2020 14:11

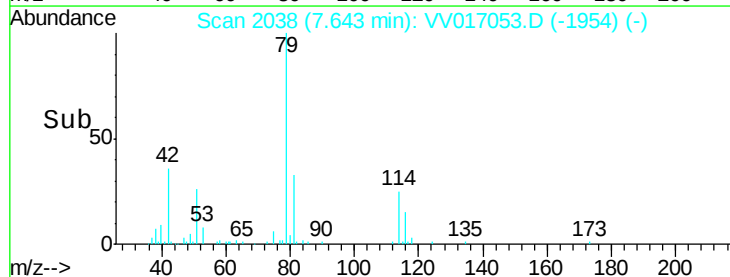
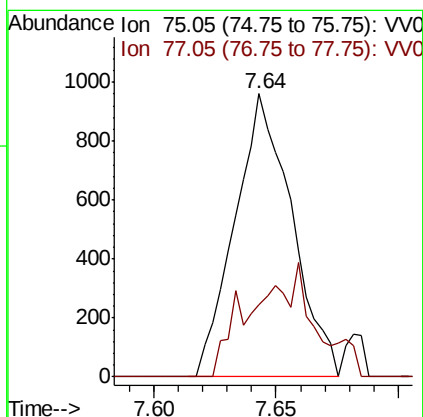
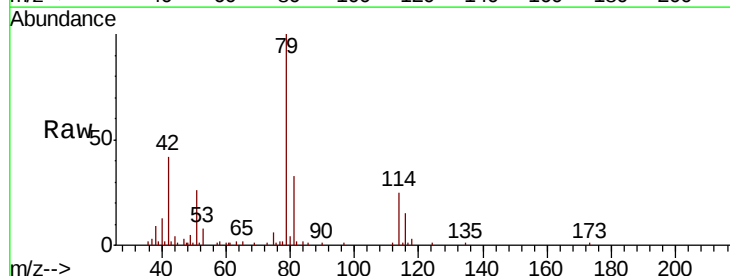
Instrument :
 MSVOA_V
 ClientSampleId :
 BFXF8DL

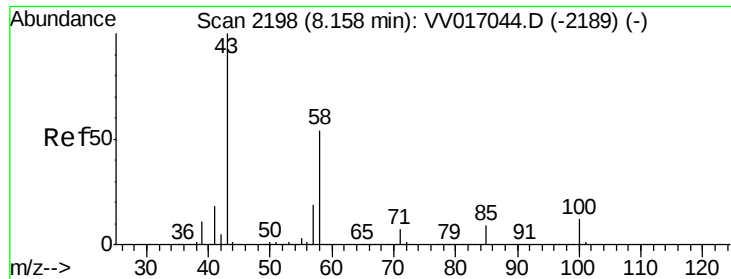
Tot Ion: 63 Resp: 7864
 Ion Ratio Lower Upper
 63 100
 112 0.6 4.4 6.6#



#46
 trans-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV017053.D
 Acq: 23 Jun 2020 14:11

Tgt Ion: 75 Resp: 1555
 Ion Ratio Lower Upper
 75 100
 77 25.3 22.3 41.3

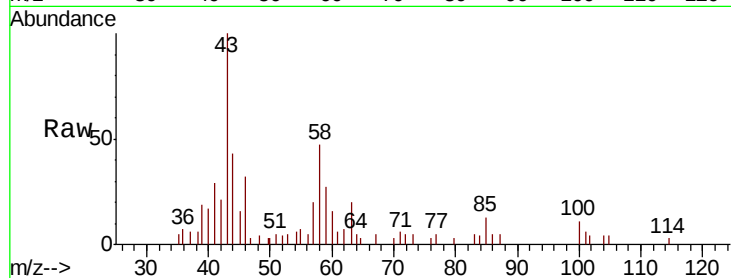




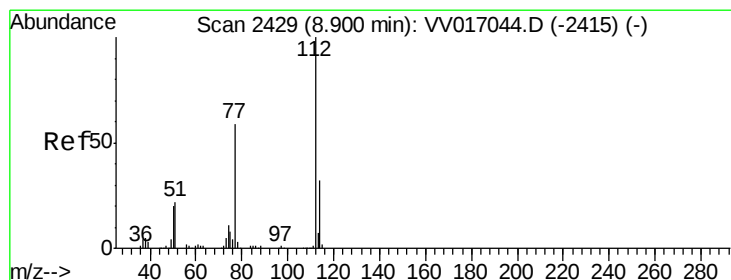
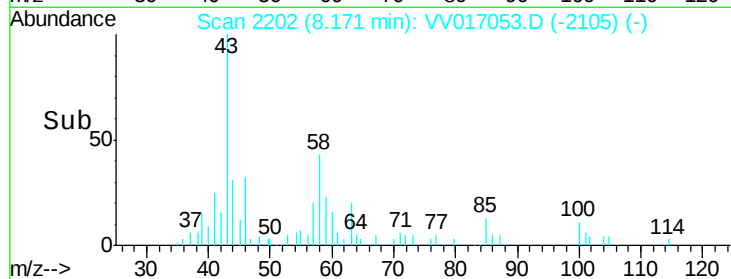
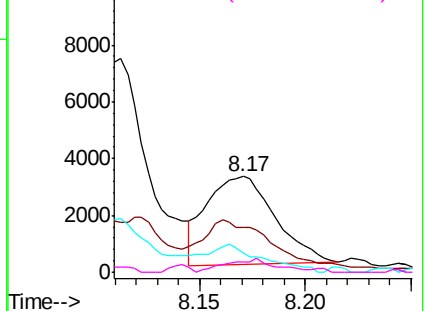
#50
2-Hexanone
Concen: 1.536 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV017053.D
Acq: 23 Jun 2020 14:11

Instrument :
MSVOA_V
ClientSampleId :
BFXF8DL

Tot Ion:	43	Resp:	7024
Ion	Ratio	Lower	Upper
43	100		
58	68.2	41.6	62.4#
57	23.1	15.4	23.0#
100	12.0	10.1	15.1

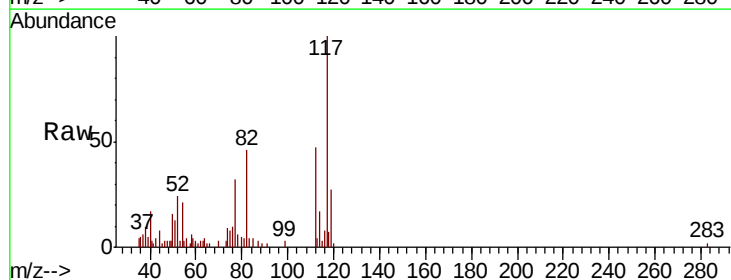


Abundance Ion 43.05 (42.75 to 43.75): VV017053.D (-2105) (-)
Ion 58.05 (57.75 to 58.75): VV017053.D (-2105) (-)
Ion 57.20 (56.90 to 57.90): VV017053.D (-2105) (-)
Ion 100.15 (99.85 to 100.85): VV017053.D (-2105) (-)



#53
Chlorobenzene
Concen: 0.130 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017053.D
Acq: 23 Jun 2020 14:11

Tgt Ion:	112	Resp:	4220
Ion	Ratio	Lower	Upper
112	100		
114	37.4	22.0	41.0
77	69.4	46.0	69.0#



Abundance Ion 112.10 (111.80 to 112.80): VV017053.D (-2336) (-)
Ion 114.05 (113.75 to 114.75): VV017053.D (-2336) (-)
Ion 77.10 (76.80 to 77.80): VV017053.D (-2336) (-)

