

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017320.D
 Acq On : 02 Jul 2020 21:01
 Operator : SY/MD
 Sample : L3154-07DL 4X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 03 06:18:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 06:15:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	172679	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	164903	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	80633	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43592	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.58	69	34639	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.13	63	69466	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	3.92	46	98897	37.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.88%
24) Chloroform-d	4.38	84	95909	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.06	65	53761	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.08	84	173054	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
36) 1,2-Dichloropropane-d6	6.10	67	49424	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	77.20%
41) Toluene-d8	7.34	98	160261	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
45) trans-1,3-Dichloropropene-	7.65	79	20162	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
48) 2-Hexanone-d5	8.11	63	66154	32.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	65.10%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	33964	3.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	63678	4.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.40%

Target Compounds

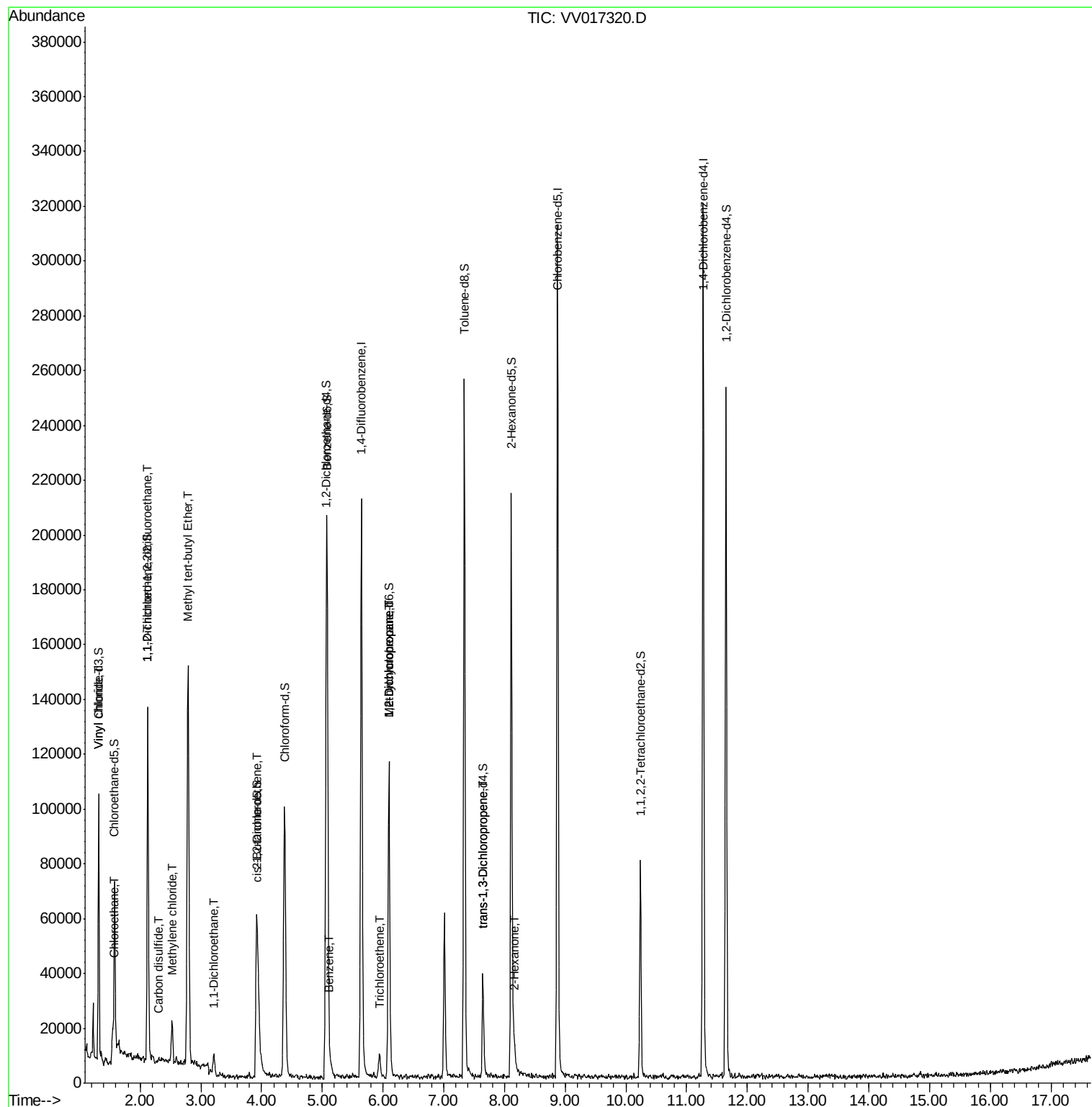
					Ovalue
5) Vinyl chloride	1.32	62	4528	0.400 ug/L #	69
8) Chloroethane	1.56	64	37726	6.024 ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	749	0.082 ug/L #	23
14) Carbon disulfide	2.31	76	1319	0.053 ug/L #	73
16) Methylene chloride	2.52	84	6798	0.766 ug/L	89
17) Methyl tert-butyl Ether	2.79	73	142983	6.871 ug/L	99
19) 1,1-Dichloroethane	3.22	63	6225	0.315 ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	1063	0.089 ug/L	91
33) Benzene	5.13	78	4215	0.098 ug/L	100
34) Trichloroethene	5.94	95	2129	0.168 ug/L	93
35) Methylcyclohexane	6.09	83	14499	0.738 ug/L #	18
37) 1,2-Dichloropropane	6.09	63	6927	0.648 ug/L #	86
46) trans-1,3-Dichloropropene	7.64	75	1155	0.084 ug/L	96
50) 2-Hexanone	8.17	43	3984	0.907 ug/L #	93

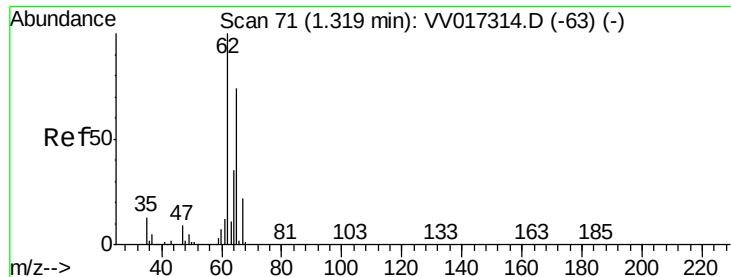
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.400 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017320.D

Acq: 02 Jul 2020 21:01

Instrument :

MSVOA_V

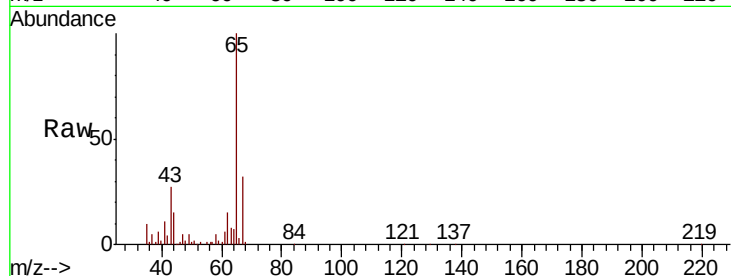
ClientSampleId :

Tot Ion: 62 Resp: 4528

Ion Ratio Lower Upper

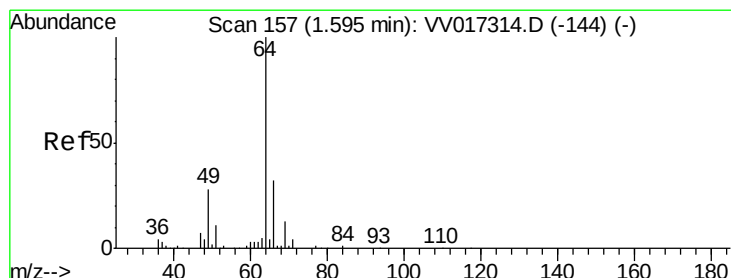
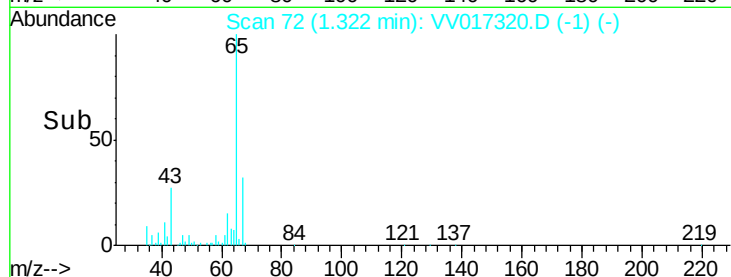
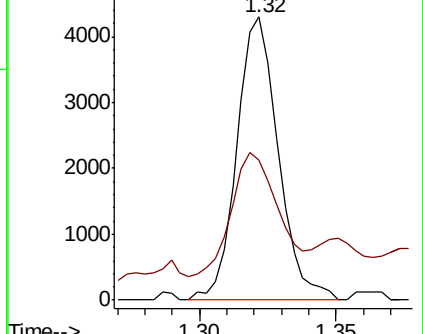
62 100

64 49.4 22.5 41.7#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 6.024 ug/L

RT: 1.56 min Scan# 145

Delta R.T. -0.04 min

Lab File: VV017320.D

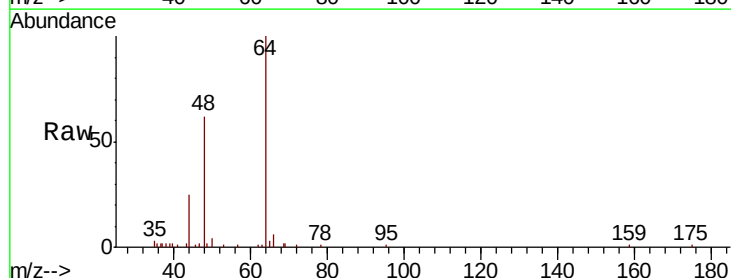
Acq: 02 Jul 2020 21:01

Tgt Ion: 64 Resp: 37726

Ion Ratio Lower Upper

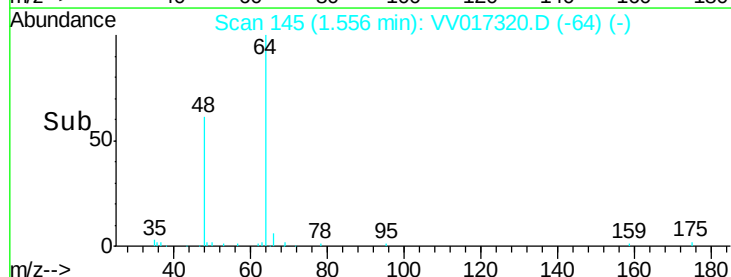
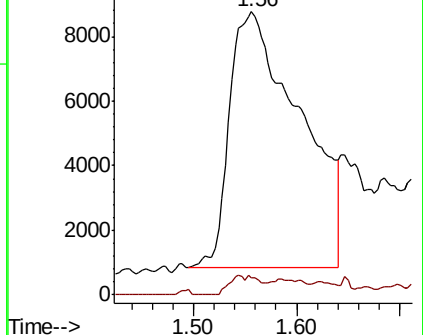
64 100

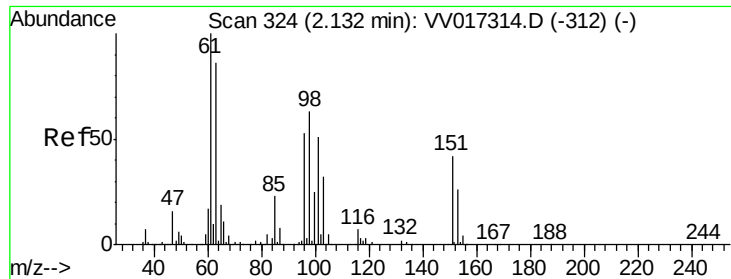
66 6.1 22.8 42.4#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.082 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017320.D

Acq: 02 Jul 2020 21:01

Instrument :

MSVOA_V

ClientSampled :

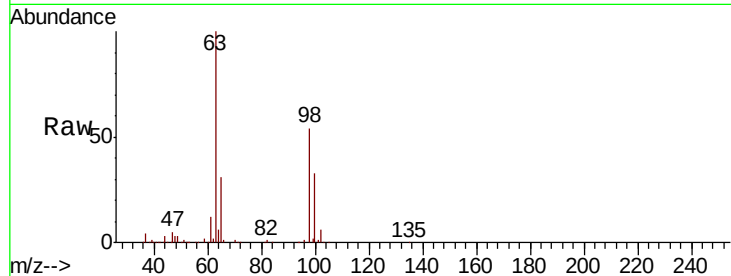
Tot Ion:101 Resp: 749

Ion Ratio Lower Upper

101 100

85 9.6 35.4 53.2#

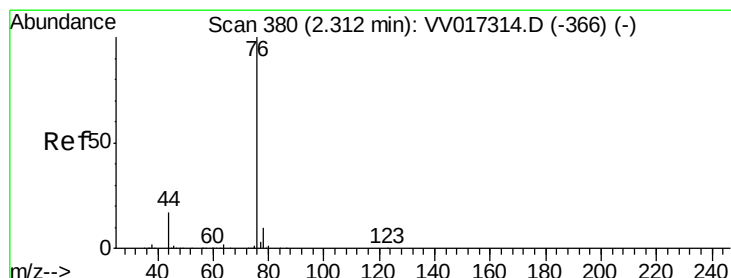
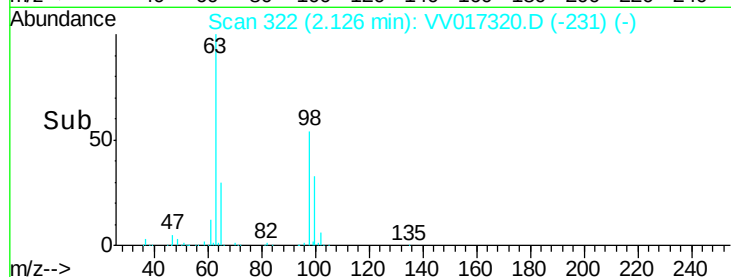
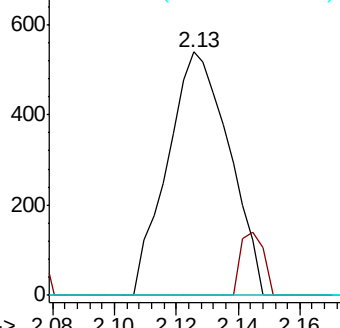
151 0.0 63.9 95.9#



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



#14

Carbon disulfide

Concen: 0.053 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV017320.D

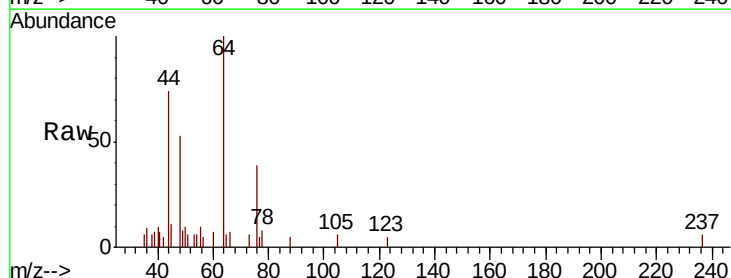
Acq: 02 Jul 2020 21:01

Tgt Ion: 76 Resp: 1319

Ion Ratio Lower Upper

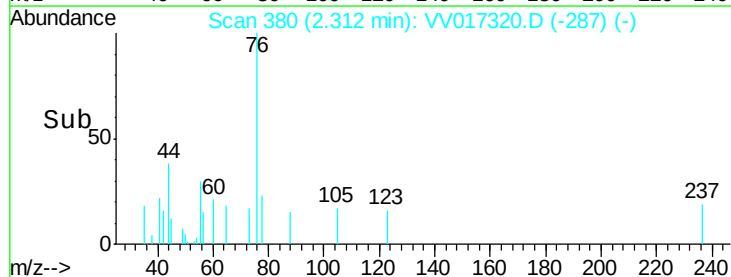
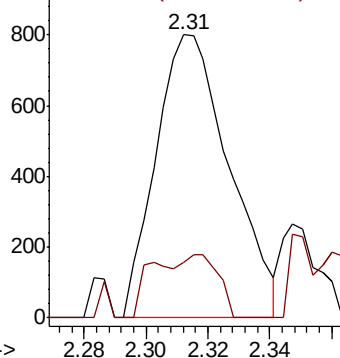
76 100

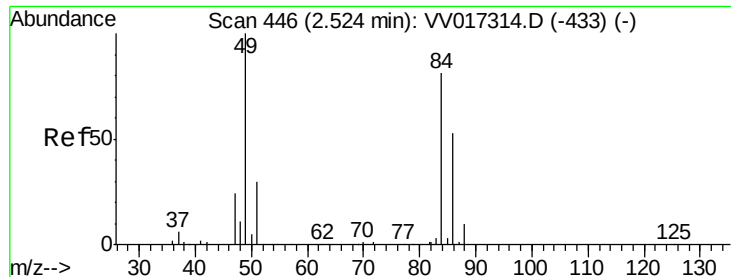
78 19.5 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

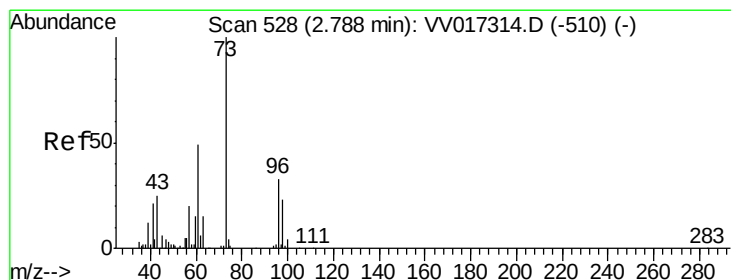
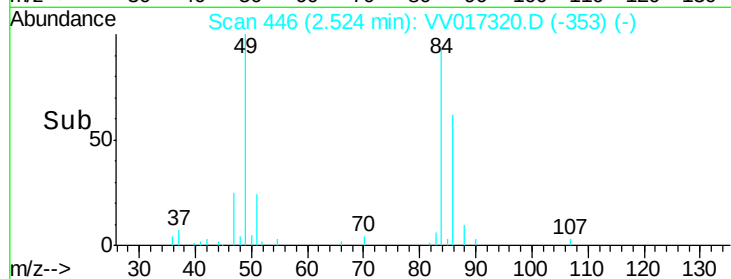
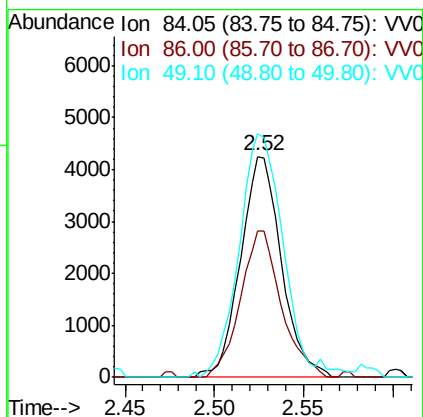
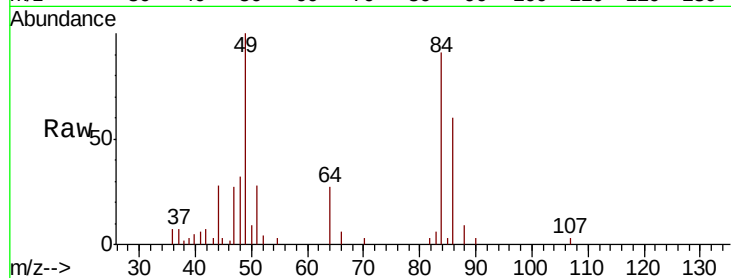




#16
Methylene chloride
Concen: 0.766 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV017320.D
Acq: 02 Jul 2020 21:01

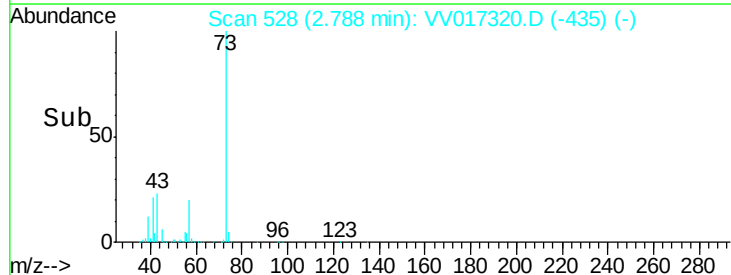
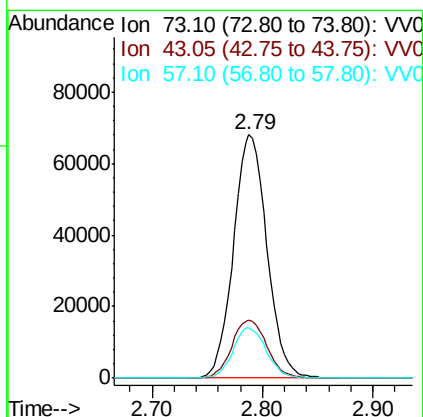
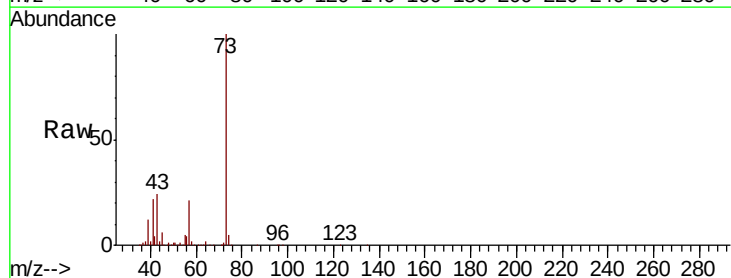
Instrument :
MSVOA_V
ClientSampled :

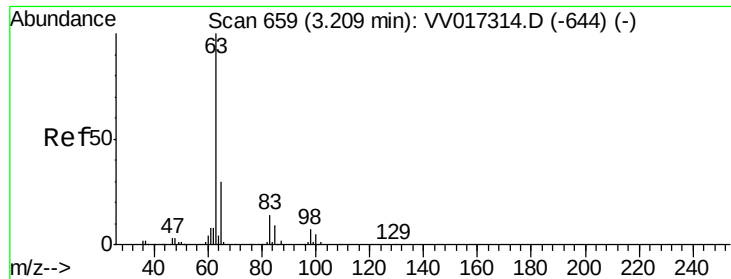
Tot Ion: 84 Resp: 6798
Ion Ratio Lower Upper
84 100
86 66.2 45.8 85.0
49 110.1 89.6 166.4



#17
Methyl tert-butyl Ether
Concen: 6.871 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV017320.D
Acq: 02 Jul 2020 21:01

Tgt Ion: 73 Resp: 142983
Ion Ratio Lower Upper
73 100
43 24.5 18.6 28.0
57 20.7 16.4 24.6

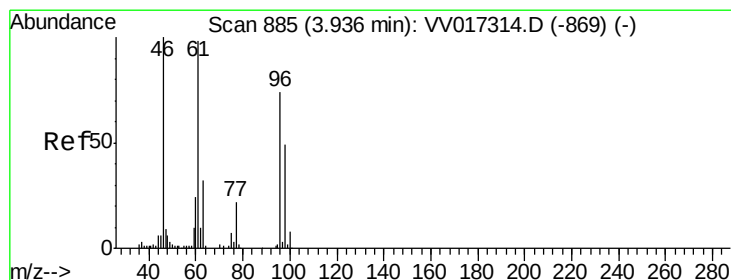
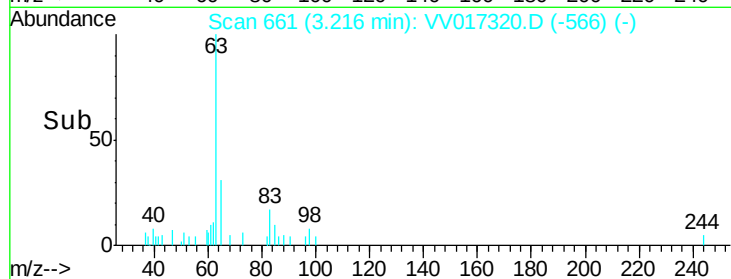
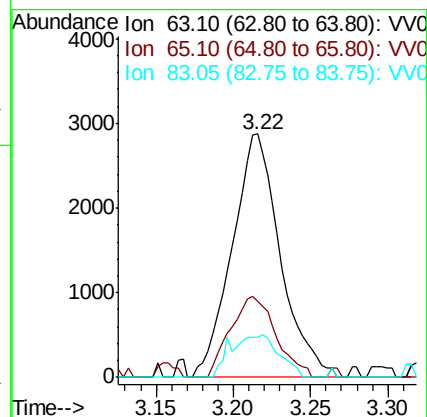
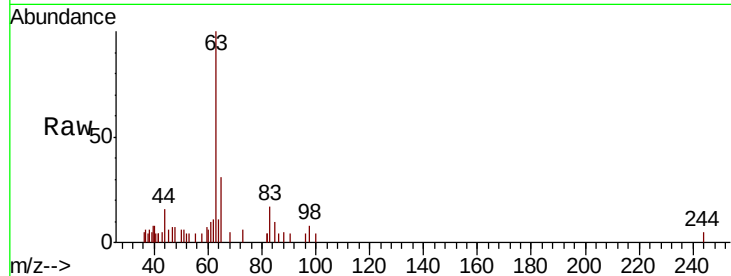




#19
 1,1-Dichloroethane
 Concen: 0.315 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV017320.D
 Acq: 02 Jul 2020 21:01

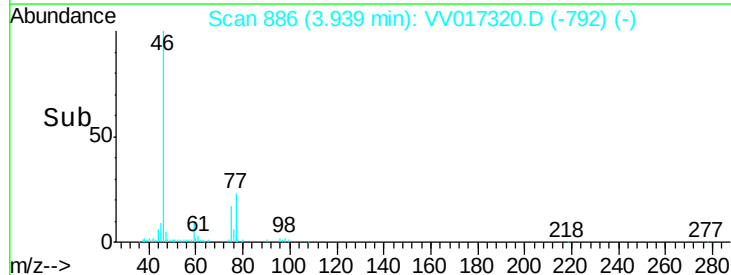
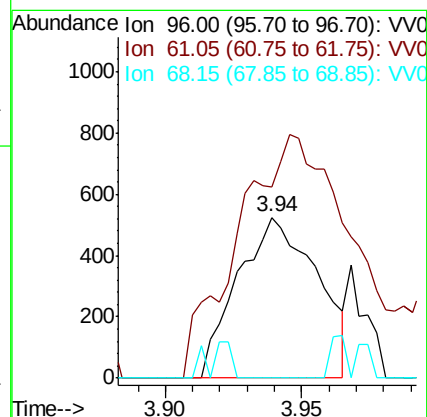
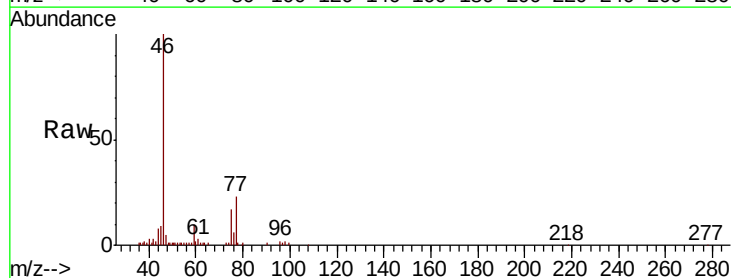
Instrument :
 MSVOA_V
 ClientSampleId :

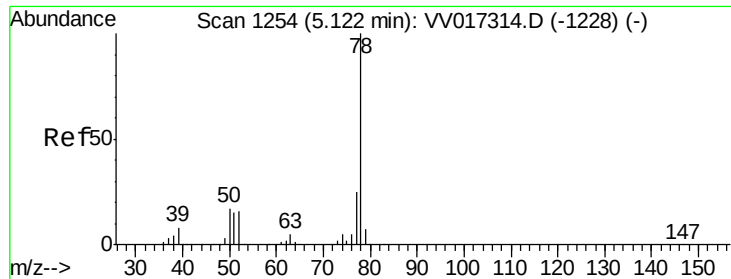
Tot Ion	63	Resp:	6225
Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.8	40.4
83	16.7	9.7	17.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.089 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017320.D
 Acq: 02 Jul 2020 21:01

Tgt Ion	96	Resp:	1063
Ion	Ratio	Lower	Upper
96	100		
61	119.3	91.0	169.0
68	0.0	0.0	0.0





#33

Benzene

Concen: 0.098 ug/L

RT: 5.13 min Scan# 1255

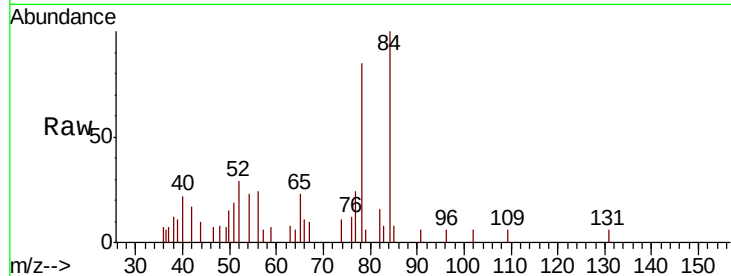
Delta R.T. 0.00 min

Lab File: VV017320.D

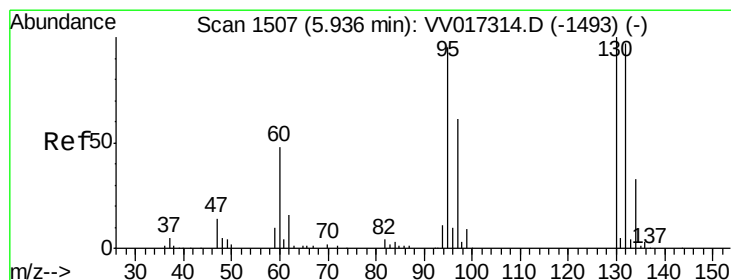
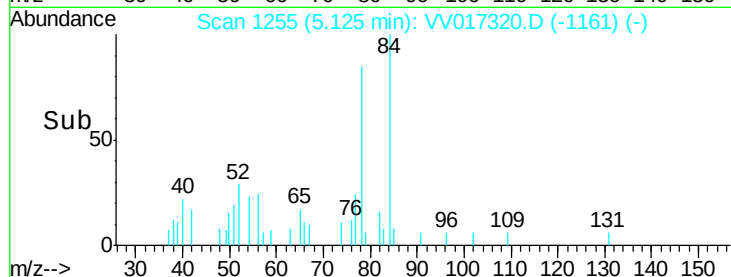
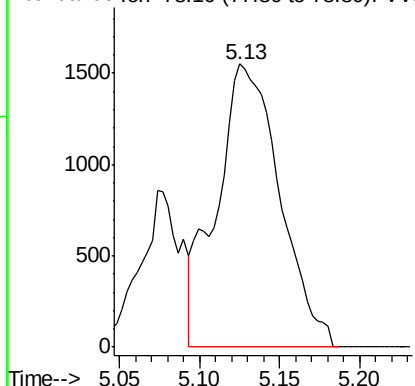
Acq: 02 Jul 2020 21:01

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 4215



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.168 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017320.D

Acq: 02 Jul 2020 21:01

Tgt Ion: 95 Resp: 2129

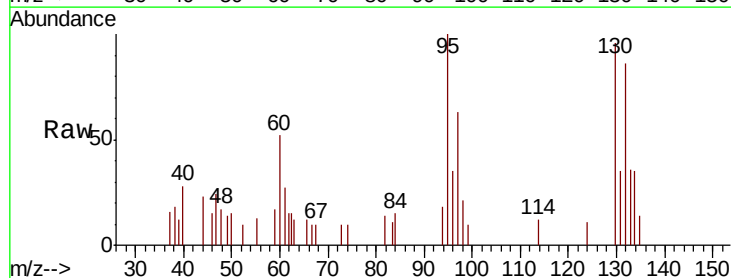
Ion Ratio Lower Upper

95 100

97 63.2 45.3 84.1

132 86.2 68.8 127.8

130 96.3 70.2 130.4

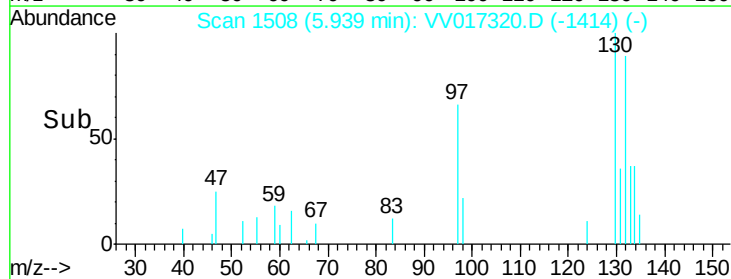
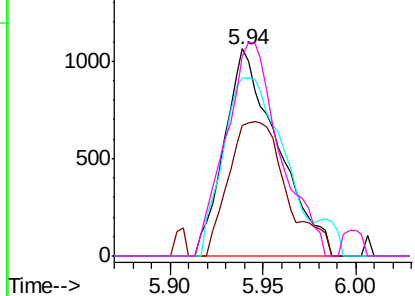


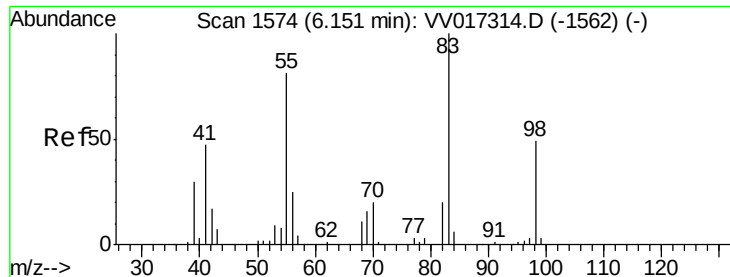
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

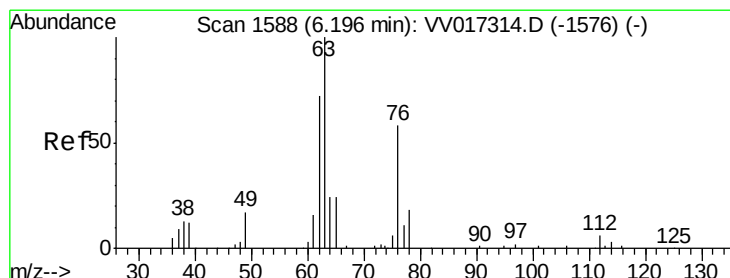
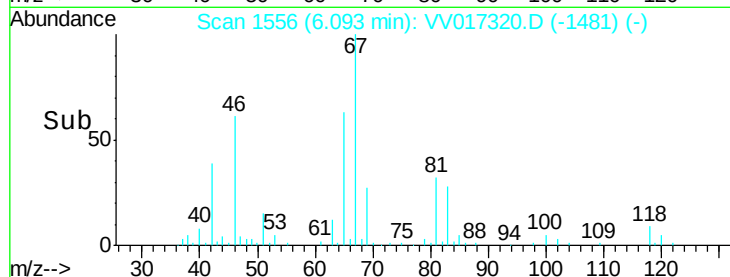
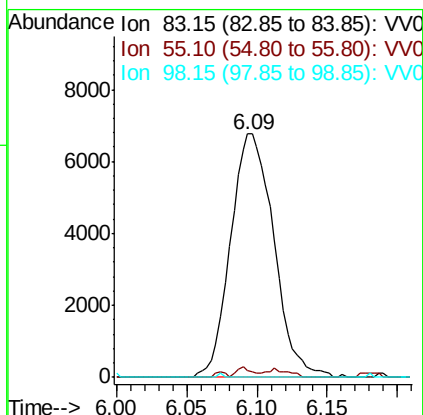
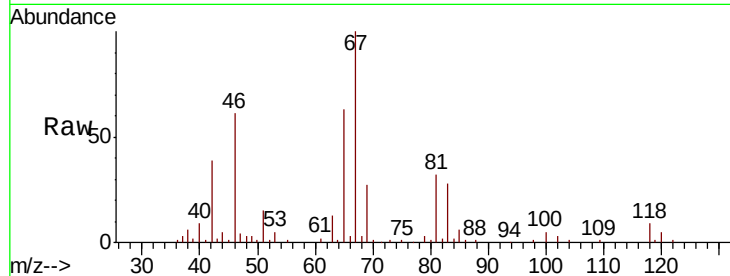




#35
Methylvlcyclohexane
Concen: 0.738 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017320.D
Acq: 02 Jul 2020 21:01

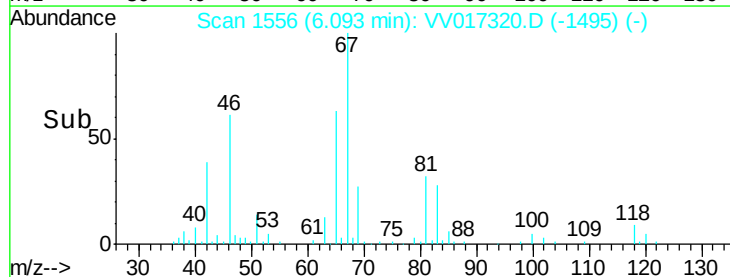
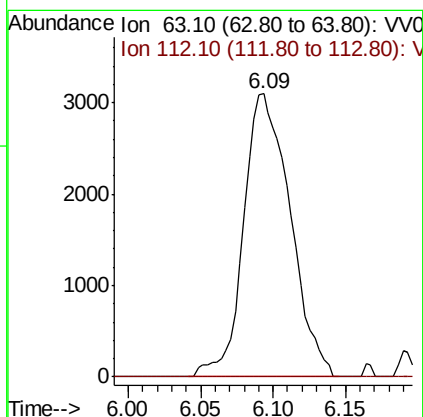
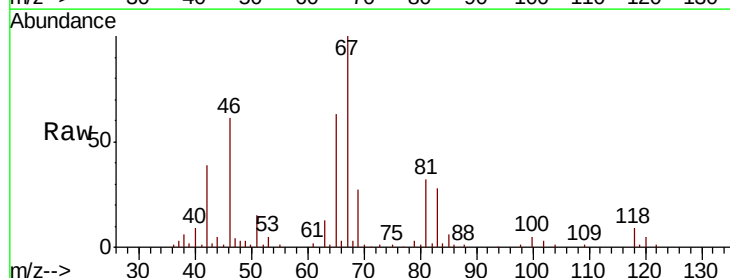
Instrument :
MSVOA_V
ClientSampleId :

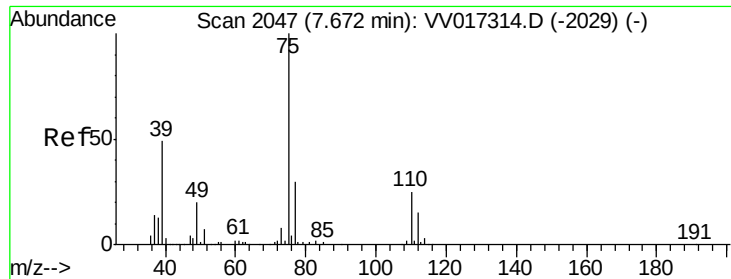
Tot Ion: 83 Resp: 14499
Ion Ratio Lower Upper
83 100
55 1.6 63.6 95.4#
98 0.0 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.648 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV017320.D
Acq: 02 Jul 2020 21:01

Tgt Ion: 63 Resp: 6927
Ion Ratio Lower Upper
63 100
112 0.8 4.4 6.6#

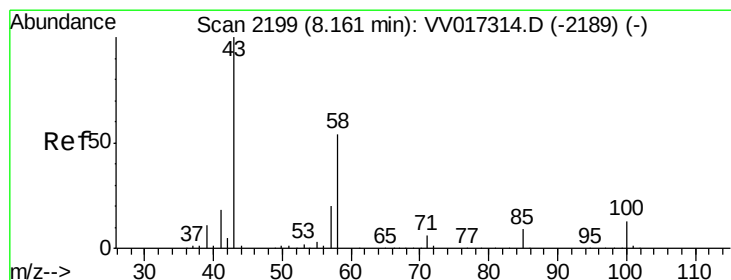
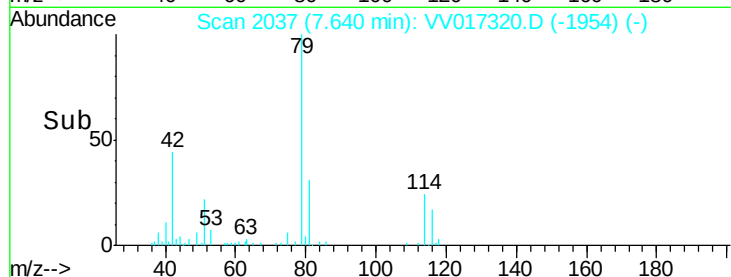
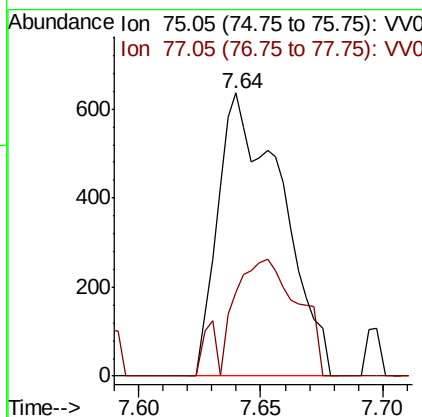
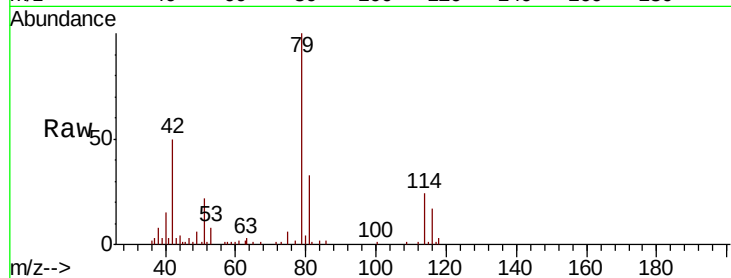




#46
trans-1,3-Dichloropropene
Concen: 0.084 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. -0.03 min
Lab File: VV017320.D
Acq: 02 Jul 2020 21:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 1155
Ion Ratio Lower Upper
75 100
77 29.6 22.3 41.3



#50
2-Hexanone
Concen: 0.907 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV017320.D
Acq: 02 Jul 2020 21:01

Tgt Ion: 43 Resp: 3984
Ion Ratio Lower Upper
43 100
58 49.7 41.6 62.4
57 20.9 15.4 23.0
100 2.2 10.1 15.1#

