

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072720\
 Data File : VV017673.D
 Acq On : 27 Jul 2020 12:50
 Operator : SY/MD
 Sample : L3443-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 28 04:55:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 28 04:52:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	144959	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	143310	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	68800	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35779	5.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.40%
7) Chloroethane-d5	1.58	69	29523	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.40%
11) 1,1-Dichloroethene-d2	2.12	63	60598	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.20%
20) 2-Butanone-d5	3.93	46	72371	43.71	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.42%
24) Chloroform-d	4.38	84	91535	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	5.06	65	49031	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
32) Benzene-d6	5.07	84	165539	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.09	67	45366	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.34	98	146986	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
45) trans-1,3-Dichloropropene-	7.65	79	18125	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
48) 2-Hexanone-d5	8.11	63	50609	41.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.08%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	28947	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	60397	5.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.20%

Target Compounds

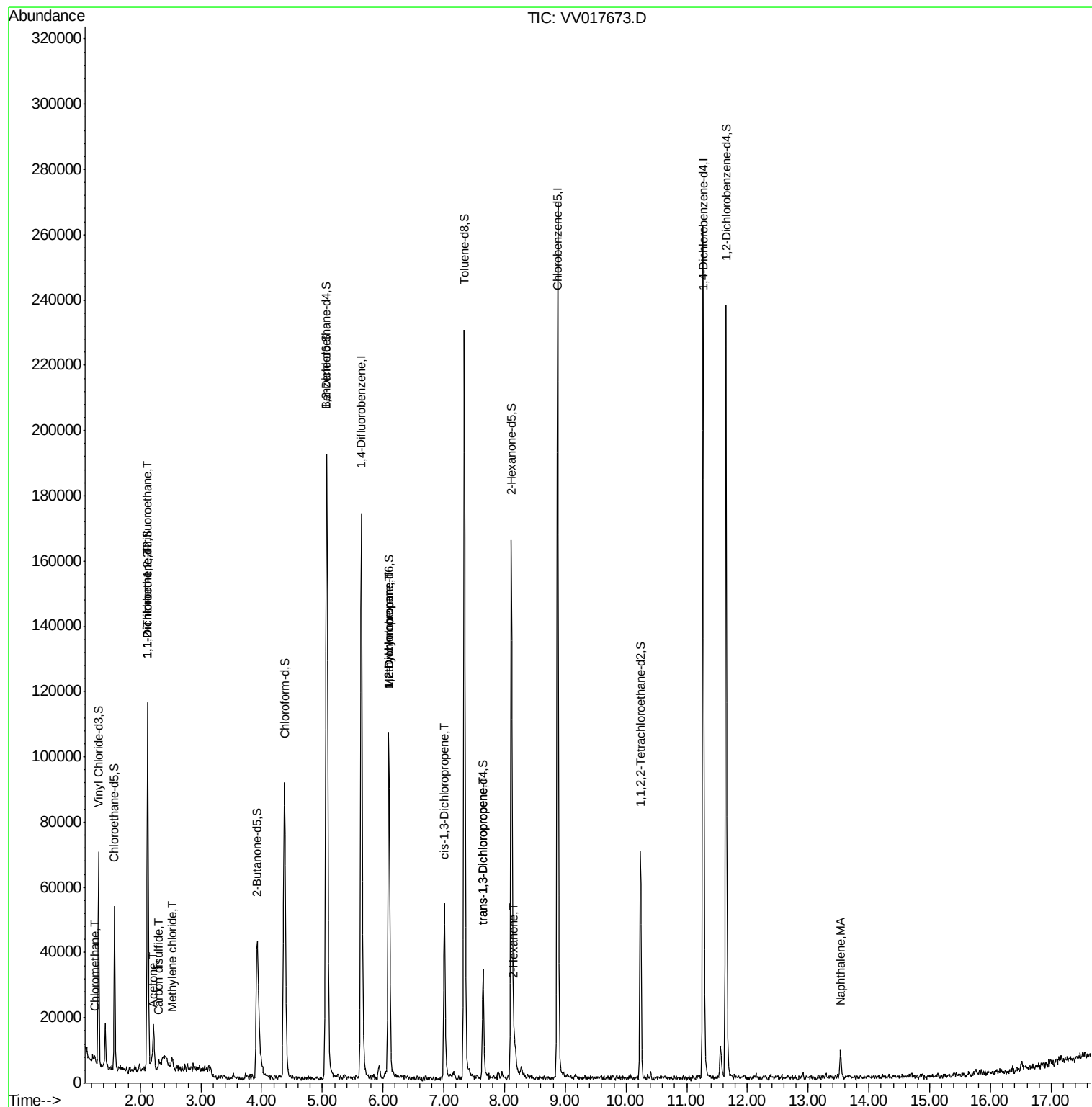
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1363	0.132	ug/L	85
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	664	0.077	ug/L #	18
12) 1,1-Dichloroethene	2.13	96	662	0.085	ug/L #	1
13) Acetone	2.19	43	6241	4.815	ug/L	78
14) Carbon disulfide	2.31	76	1789	0.075	ug/L #	79
16) Methylene chloride	2.52	84	1300	0.150	ug/L	95
35) Methylcyclohexane	6.09	83	12730	0.743	ug/L #	19
37) 1,2-Dichloropropane	6.10	63	6061	0.636	ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	1534	0.107	ug/L #	59
46) trans-1,3-Dichloropropene	7.65	75	948	0.073	ug/L #	75
50) 2-Hexanone	8.16	43	5740	1.552	ug/L #	75
70) Naphthalene	13.53	128	6580	0.314	ug/L #	75

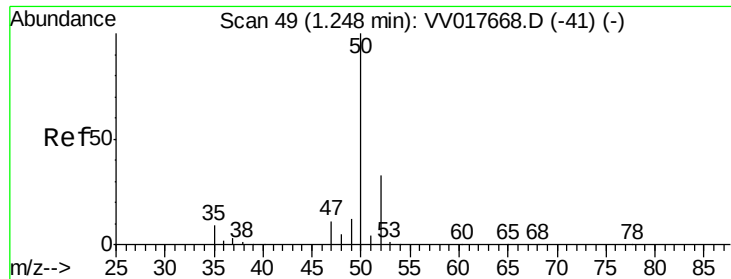
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.132 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017673.D

Acq: 27 Jul 2020 12:50

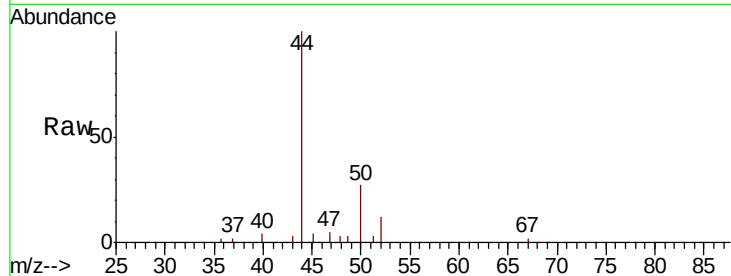
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 50 Resp: 1363

Ion Ratio Lower Upper

50 100

52 44.4 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV017668.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV017668.D (-41) (-)

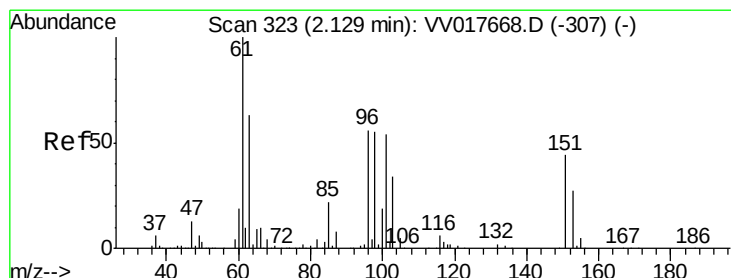
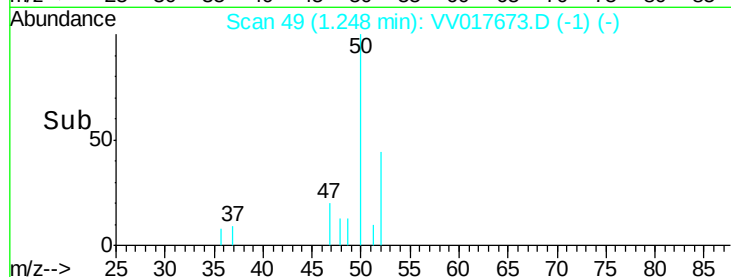
1.25

1000

500

0

Time-->



#10

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

Concen: 0.077 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017673.D

Acq: 27 Jul 2020 12:50

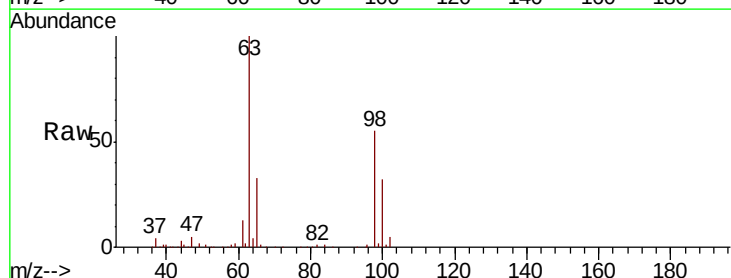
Tgt Ion: 101 Resp: 664

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

151 0.0 63.5 95.3#



Abundance Ion 101.00 (100.70 to 101.70): VV017668.D (-307) (-)

Ion 85.00 (84.70 to 85.70): VV017668.D (-307) (-)

Ion 151.00 (150.70 to 151.70): VV017668.D (-307) (-)

2.13

400

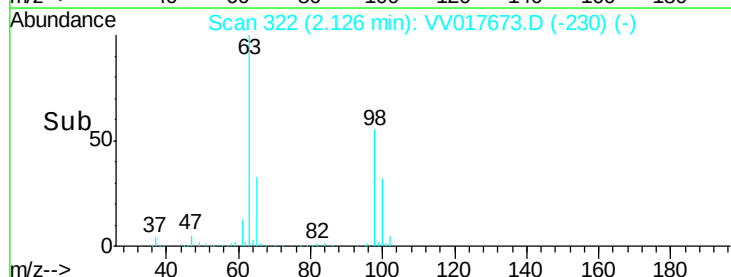
300

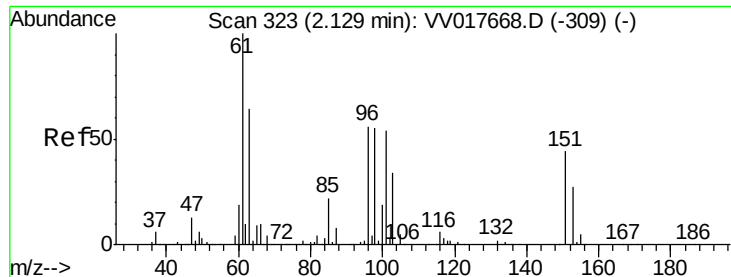
200

100

0

Time-->

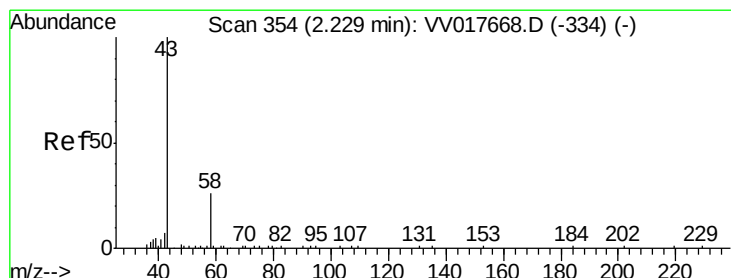
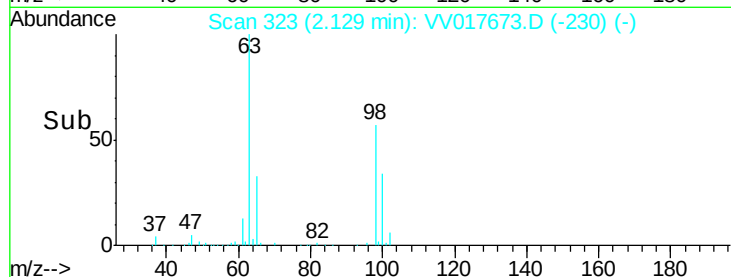
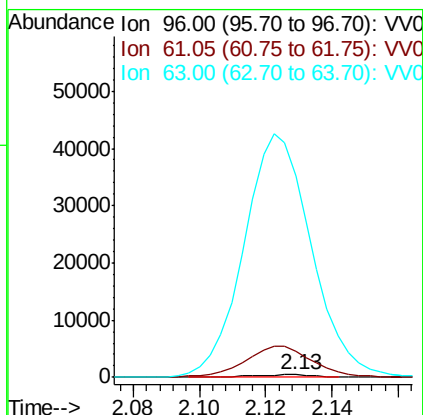
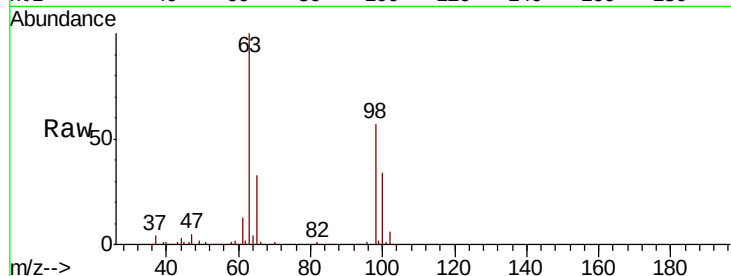




#12
 1,1-Dichloroethene
 Concen: 0.085 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: VV017673.D
 Acq: 27 Jul 2020 12:50

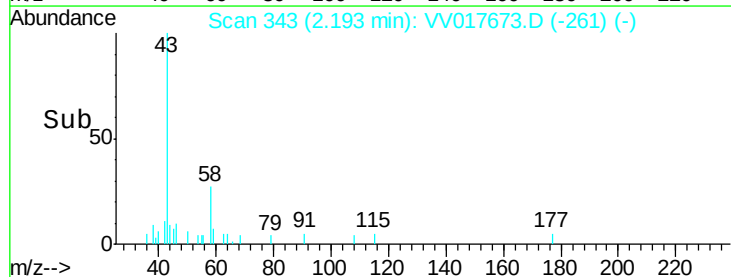
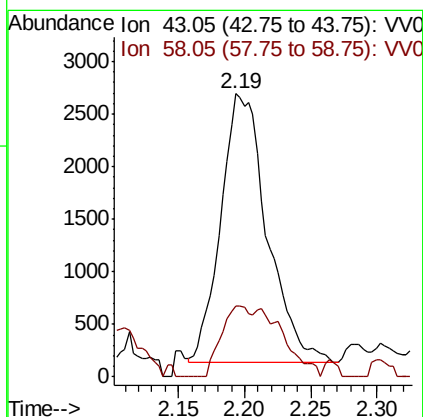
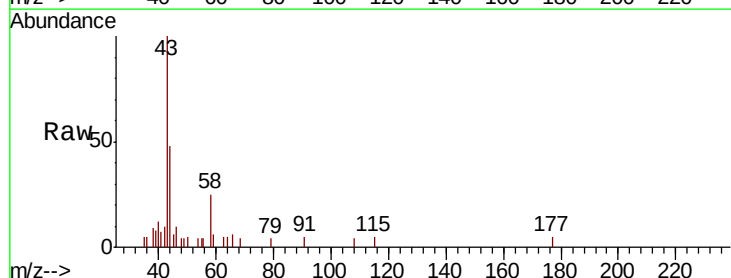
Instrument :
 MSVOA_V
 ClientSampled :

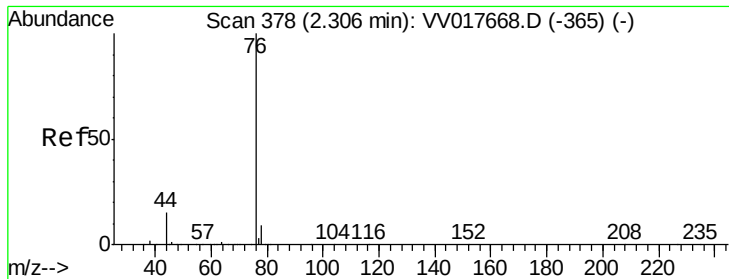
Tot Ion: 96 Resp: 662
 Ion Ratio Lower Upper
 96 100
 61 1030.5 123.1 228.7#
 63 7912.1 91.2 169.4#



#13
 Acetone
 Concen: 4.815 ug/L
 RT: 2.19 min Scan# 343
 Delta R.T. -0.04 min
 Lab File: VV017673.D
 Acq: 27 Jul 2020 12:50

Tgt Ion: 43 Resp: 6241
 Ion Ratio Lower Upper
 43 100
 58 17.2 0.0 18.6





#14

Carbon disulfide

Concen: 0.075 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017673.D

Acq: 27 Jul 2020 12:50

Instrument :

MSVOA_V

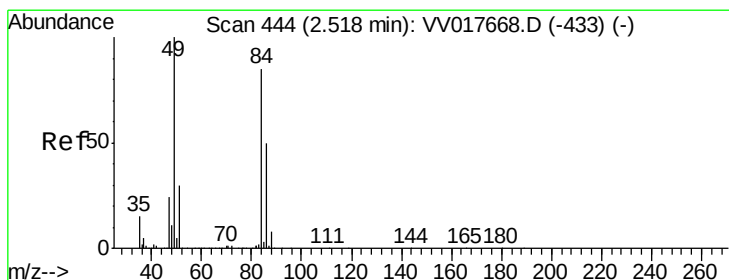
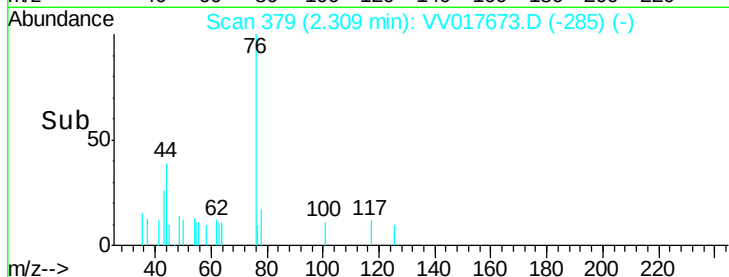
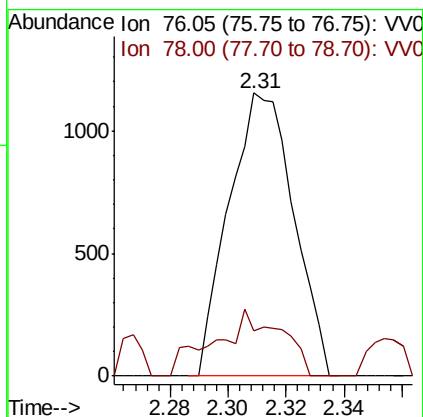
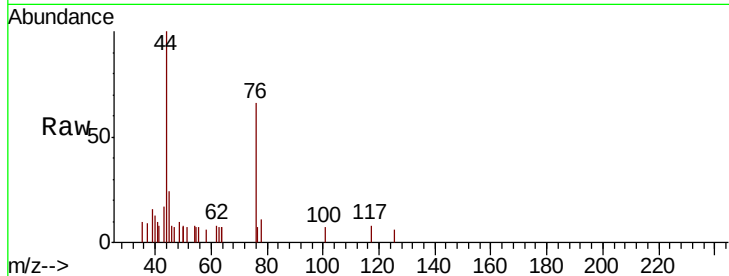
ClientSampleId :

Tot Ion: 76 Resp: 1789

Ion Ratio Lower Upper

76 100

78 15.9 6.6 10.0#



#16

Methylene chloride

Concen: 0.150 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.01 min

Lab File: VV017673.D

Acq: 27 Jul 2020 12:50

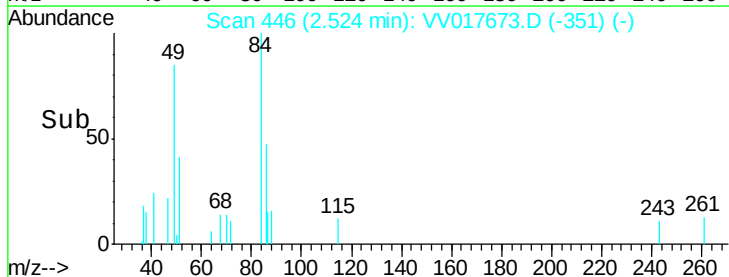
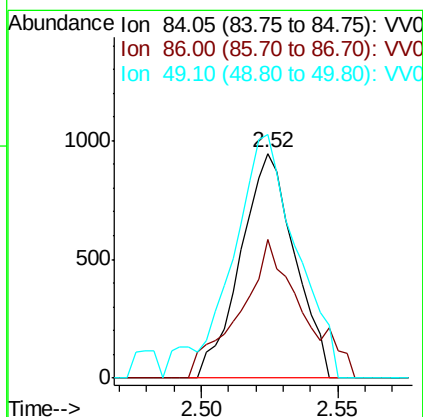
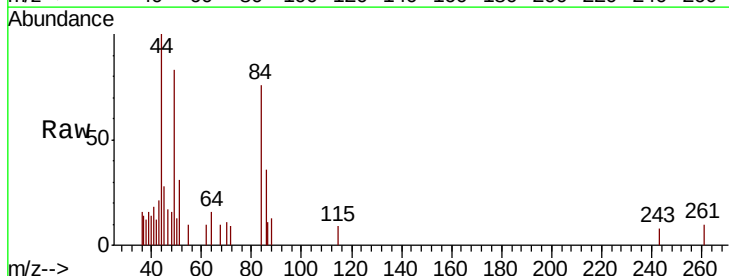
Tgt Ion: 84 Resp: 1300

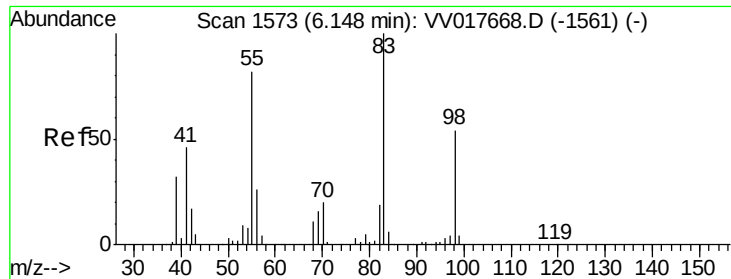
Ion Ratio Lower Upper

84 100

86 61.6 46.5 86.3

49 108.2 79.2 147.2

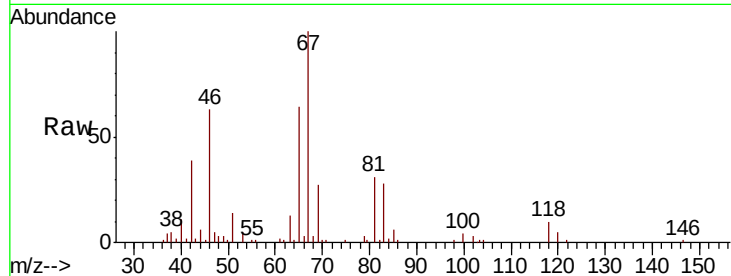




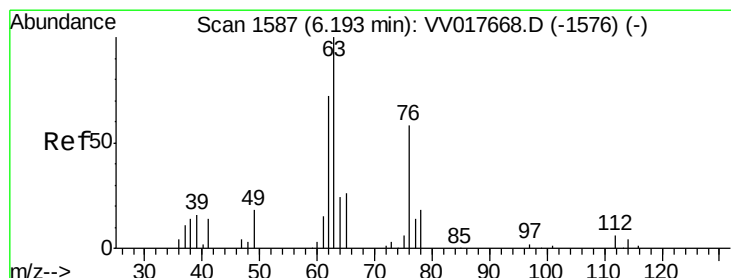
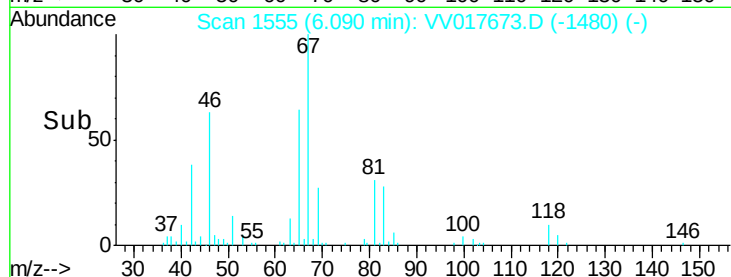
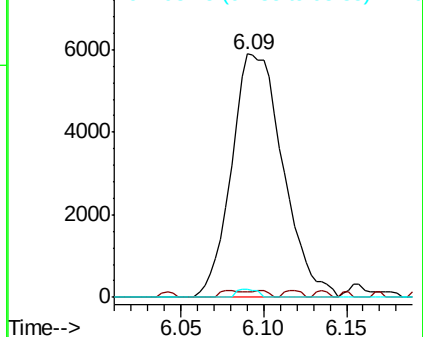
#35
Methylvlcyclohexane
Concen: 0.743 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.06 min
Lab File: VV017673.D
Acq: 27 Jul 2020 12:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	83	Resp	12730
Ion Ratio	Lower	Upper	
83	100		
55	1.1	61.8	92.8#
98	1.4	39.0	58.6#

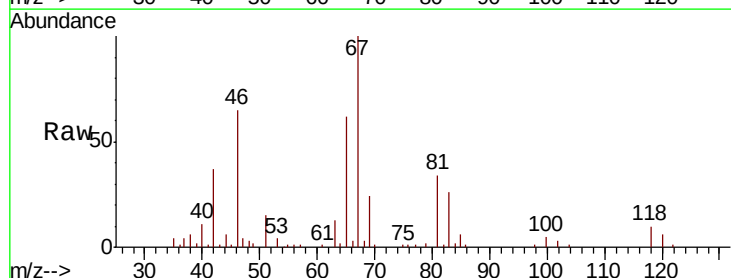


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

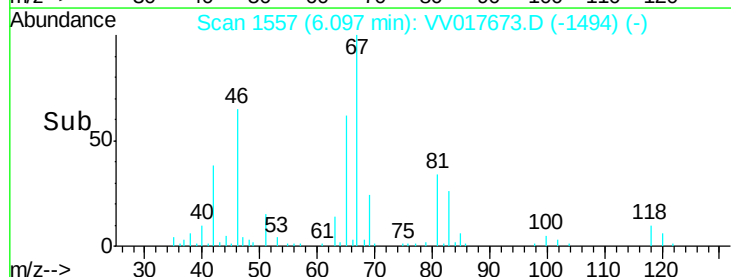
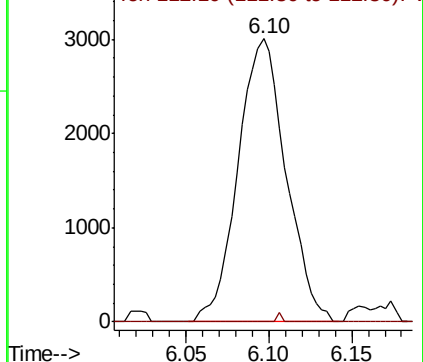


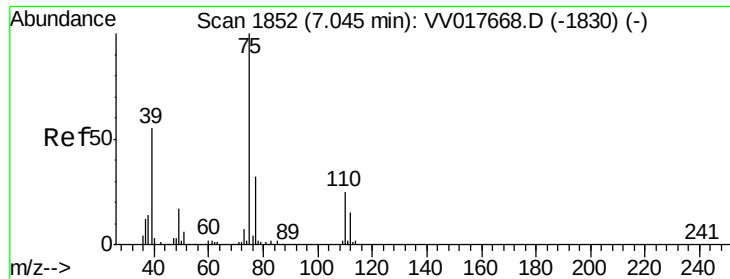
#37
1,2-Dichloropropane
Concen: 0.636 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017673.D
Acq: 27 Jul 2020 12:50

Tgt Ion	63	Resp	6061
Ion Ratio	Lower	Upper	
63	100		
112	0.3	4.5	6.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017673.D

Acq: 27 Jul 2020 12:50

Instrument :

MSVOA_V

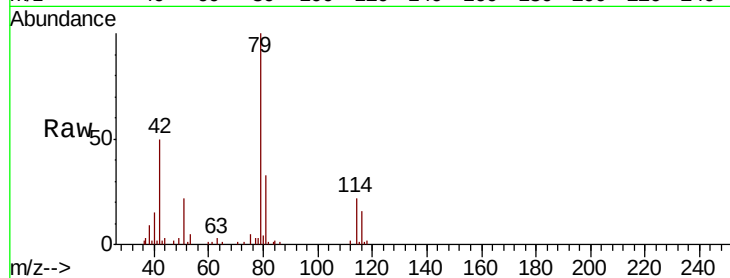
ClientSampleId :

Tot Ion: 75 Resp: 1534

Ion Ratio Lower Upper

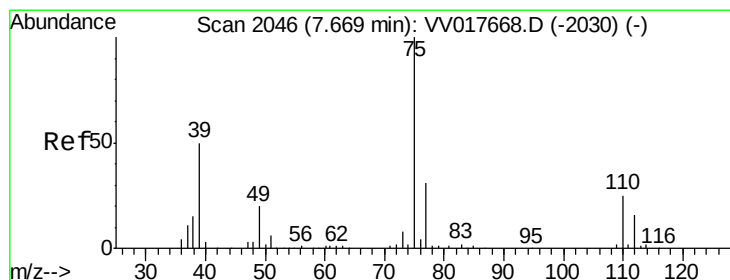
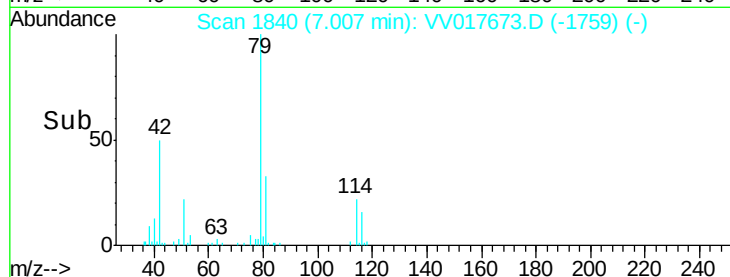
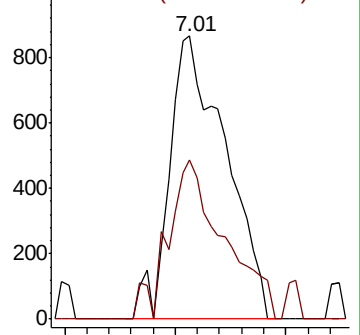
75 100

77 56.5 23.2 43.2#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#46

trans-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.02 min

Lab File: VV017673.D

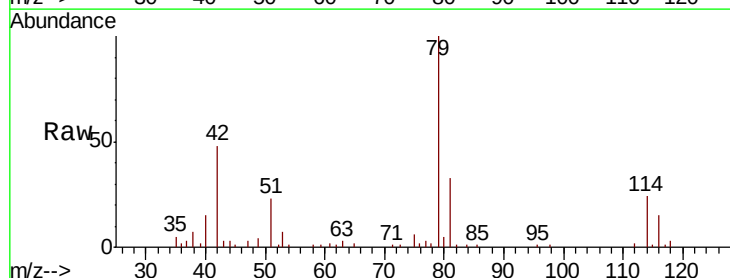
Acq: 27 Jul 2020 12:50

Tgt Ion: 75 Resp: 948

Ion Ratio Lower Upper

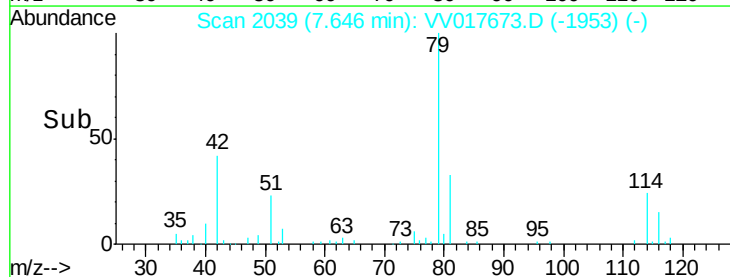
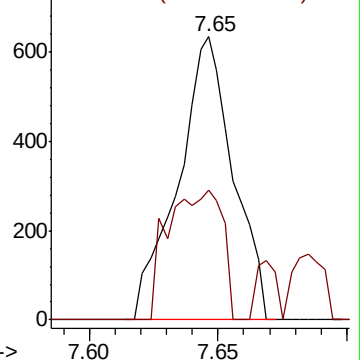
75 100

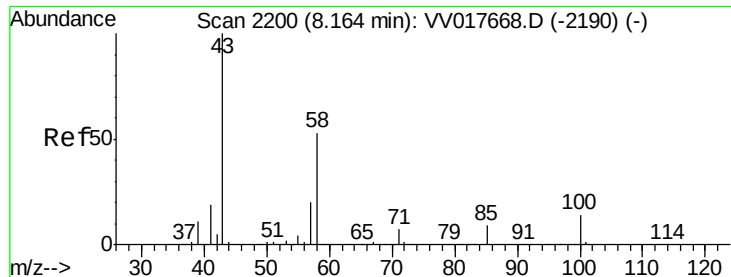
77 46.1 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

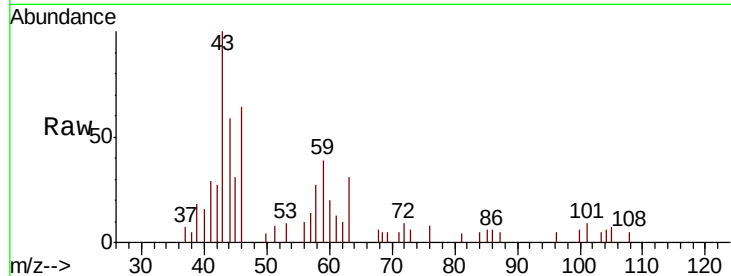




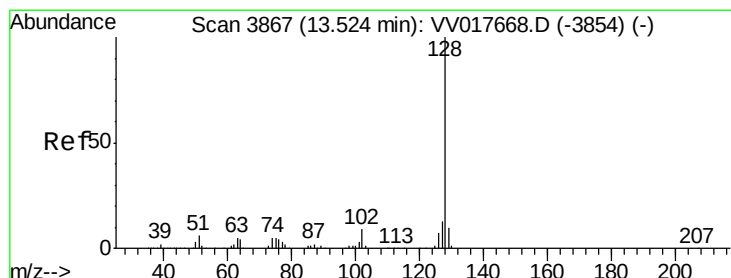
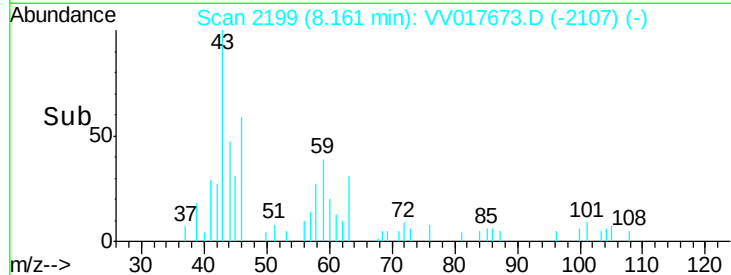
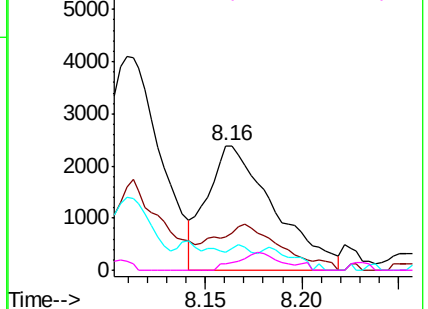
#50
2-Hexanone
Concen: 1.552 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV017673.D
Acq: 27 Jul 2020 12:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 5740
Ion Ratio Lower Upper
43 100
58 37.1 41.6 62.4#
57 6.7 15.4 23.0#
100 0.0 11.2 16.8#

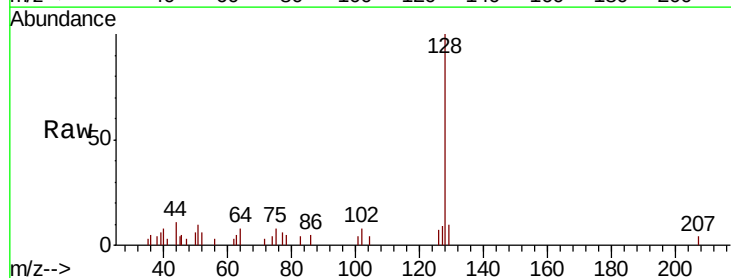


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0



#70
Naphthalene
Concen: 0.314 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV017673.D
Acq: 27 Jul 2020 12:50

Tgt Ion: 128 Resp: 6580
Ion Ratio Lower Upper
128 100
129 5.8 9.1 13.7#
127 0.0 11.0 16.6#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

