

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017633.D
 Acq On : 24 Jul 2020 03:51
 Operator : SY/MD
 Sample : L3398-16
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4C80

Quant Time: Jul 24 04:13:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 02:33:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	146430	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	145568	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	64637	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	34971	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.58	69	28756	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.12	63	59988	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.60%
20) 2-Butanone-d5	3.95	46	83073	49.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.32%
24) Chloroform-d	4.38	84	92848	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.06	65	49032	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
32) Benzene-d6	5.07	84	161820	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.10	67	45501	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.34	98	146701	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
45) trans-1,3-Dichloropropene-	7.64	79	17748	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
48) 2-Hexanone-d5	8.11	63	53791	42.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.88%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	30523	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	58584	5.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.80%

Target Compounds

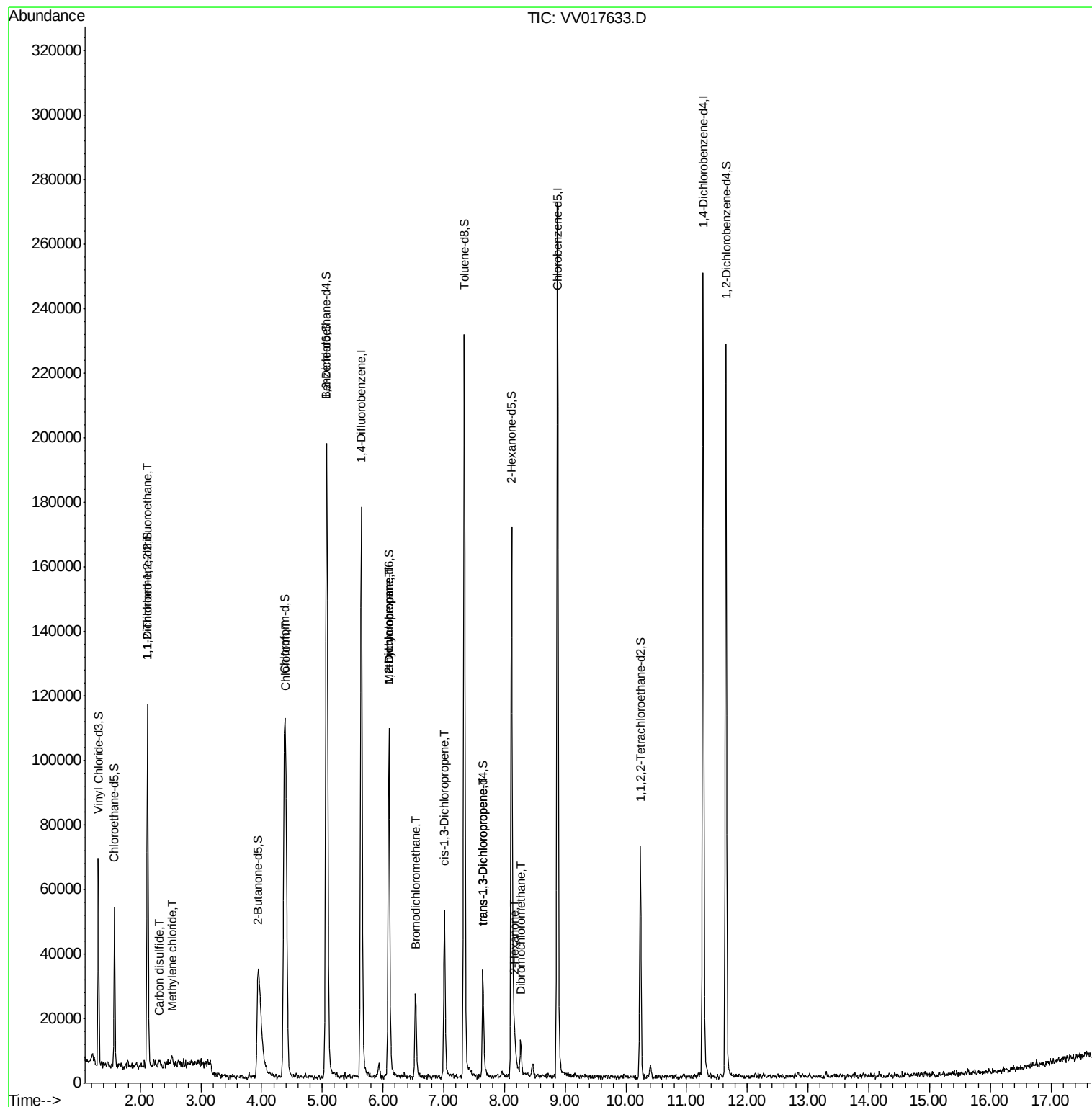
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	662	0.076	ug/L #	24
14) Carbon disulfide	2.31	76	1031	0.043	ug/L #	67
16) Methylene chloride	2.52	84	1085	0.124	ug/L	93
25) Chloroform	4.40	83	65972	3.253	ug/L	93
35) Methylcyclohexane	6.10	83	12658	0.727	ug/L #	19
37) 1,2-Dichloropropane	6.10	63	6083	0.628	ug/L #	87
38) Bromodichloromethane	6.53	83	17121	1.202	ug/L	96
39) cis-1,3-Dichloropropene	7.01	75	1552	0.106	ug/L	99
46) trans-1,3-Dichloropropene	7.64	75	1014	0.077	ug/L #	71
50) 2-Hexanone	8.17	43	6143	1.635	ug/L	94
51) Dibromochloromethane	8.27	129	4719	0.505	ug/L	100

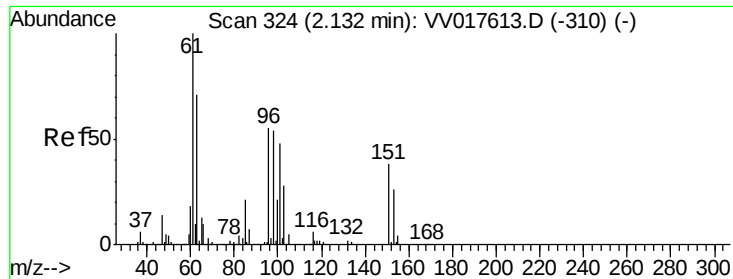
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.076 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017633.D

Acq: 24 Jul 2020 03:51

Instrument :

MSVOA_V

ClientSampleId :

F4C80

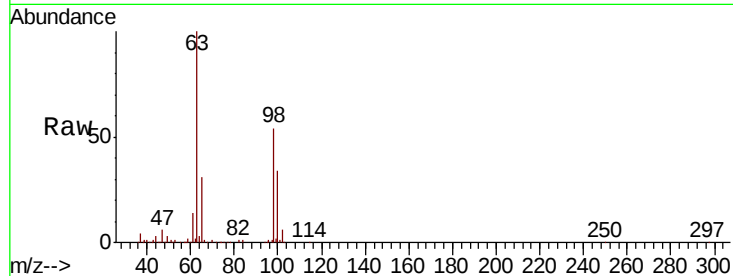
Tot Ion:101 Resp: 662

Ion Ratio Lower Upper

101 100

85 10.9 34.6 51.8#

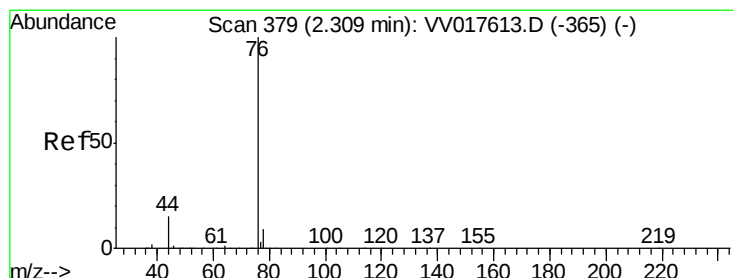
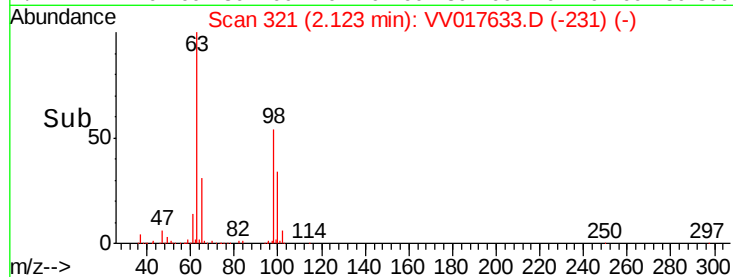
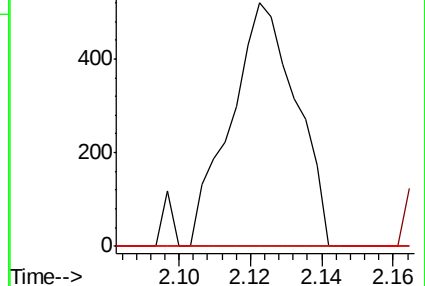
151 0.0 63.5 95.3#



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: 0.043 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017633.D

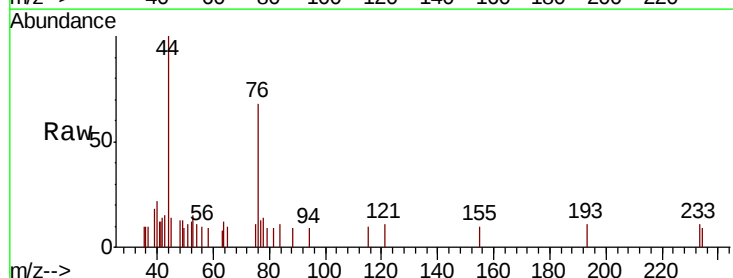
Acq: 24 Jul 2020 03:51

Tgt Ion: 76 Resp: 1031

Ion Ratio Lower Upper

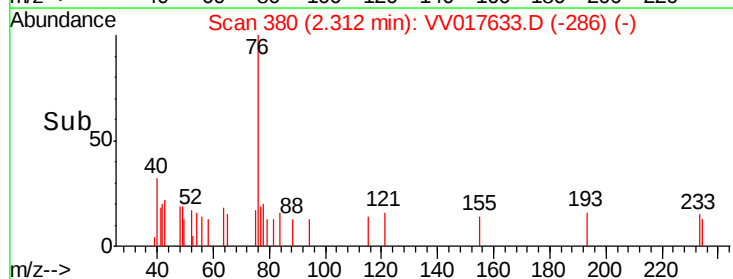
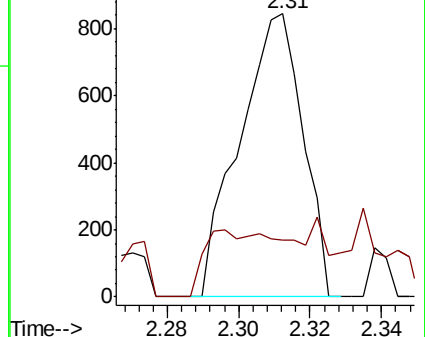
76 100

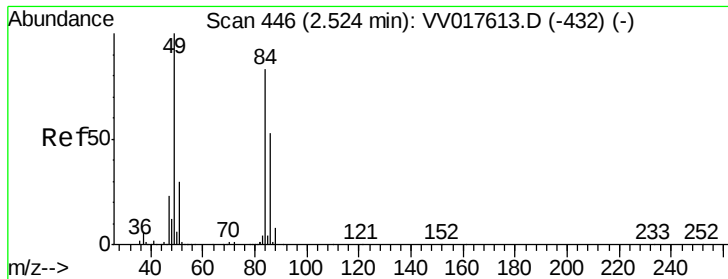
78 19.9 6.6 10.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

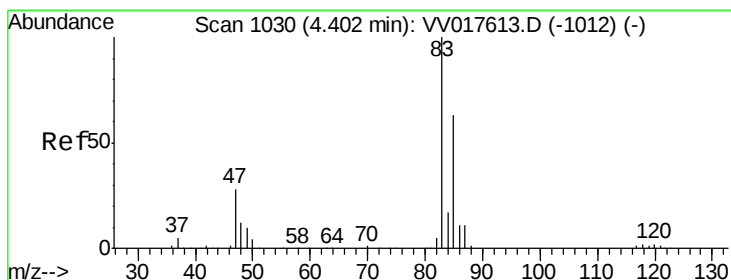
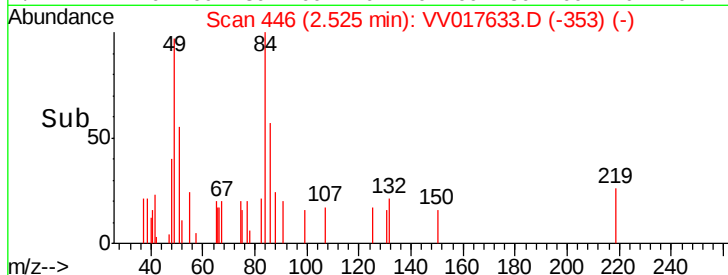
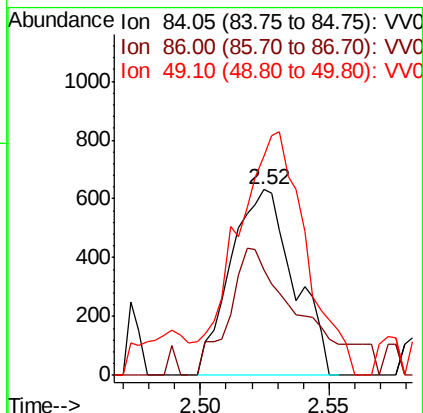
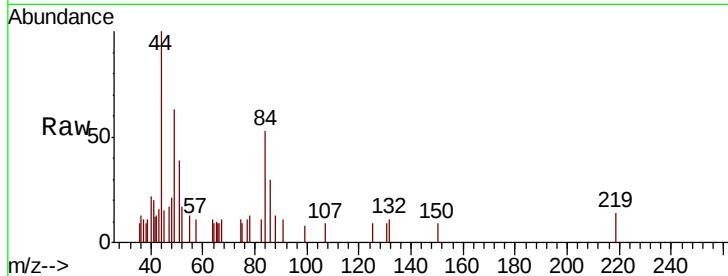




#16
Methvlene chloride
Concen: 0.124 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017633.D
Acq: 24 Jul 2020 03:51

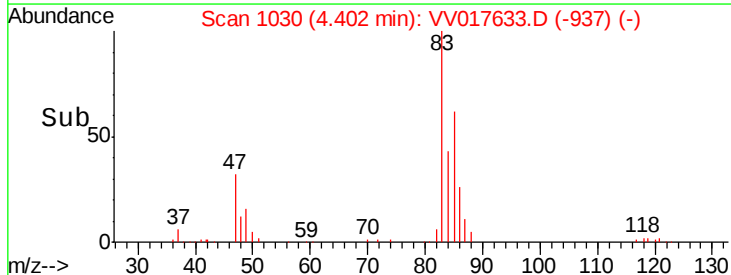
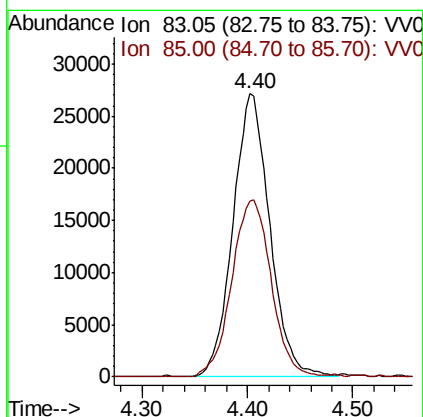
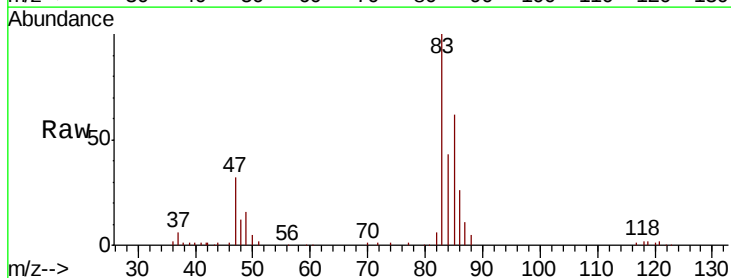
Instrument :
MSVOA_V
ClientSampled :
F4C80

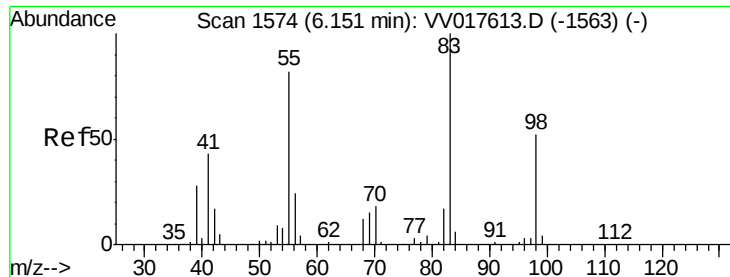
Tot Ion: 84 Resp: 1085
Ion Ratio Lower Upper
84 100
86 56.9 46.5 86.3
49 118.2 79.2 147.2



#25
Chloroform
Concen: 3.253 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017633.D
Acq: 24 Jul 2020 03:51

Tgt Ion: 83 Resp: 65972
Ion Ratio Lower Upper
83 100
85 62.3 47.3 87.9

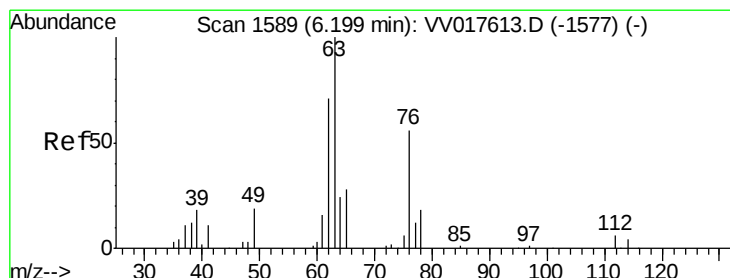
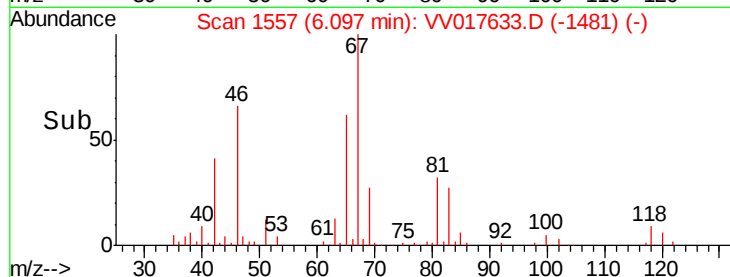
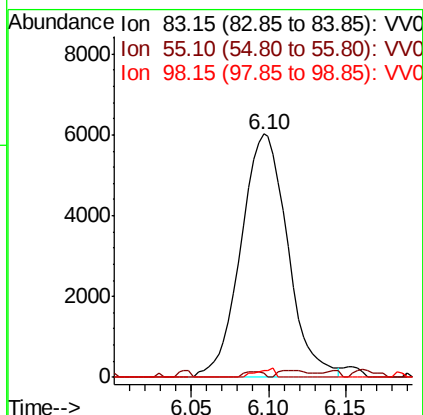
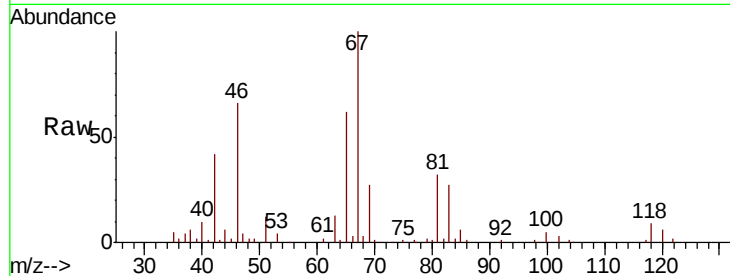




#35
Methvlcvclohexane
Concen: 0.727 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV017633.D
Acq: 24 Jul 2020 03:51

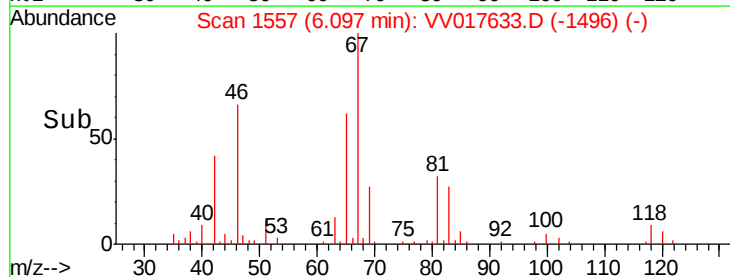
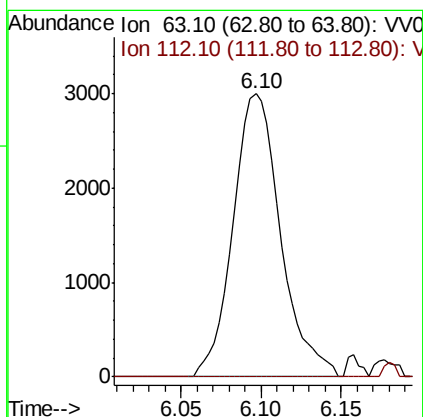
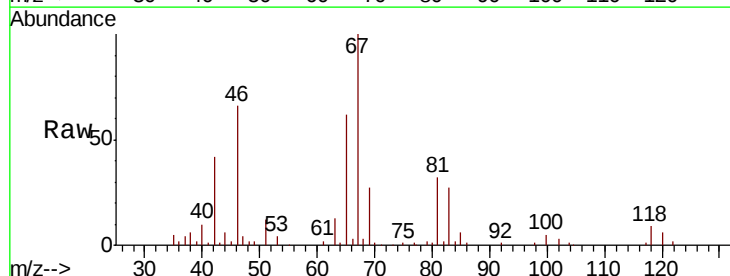
Instrument :
MSVOA_V
ClientSampleId :
F4C80

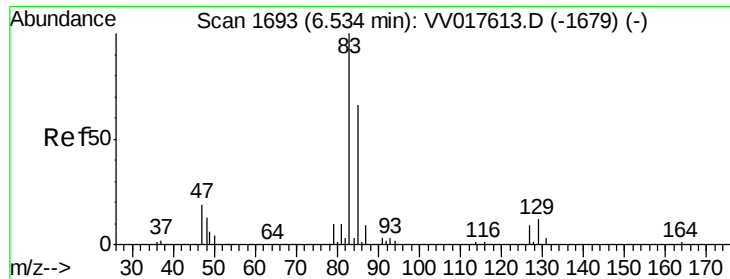
Tot Ion: 83 Resp: 12658
Ion Ratio Lower Upper
83 100
55 0.9 61.8 92.8#
98 1.4 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.628 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV017633.D
Acq: 24 Jul 2020 03:51

Tgt Ion: 63 Resp: 6083
Ion Ratio Lower Upper
63 100
112 1.2 4.5 6.7#

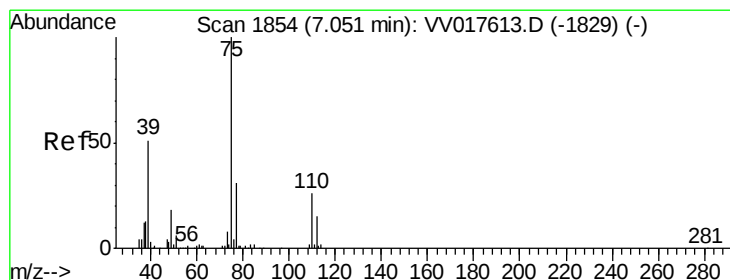
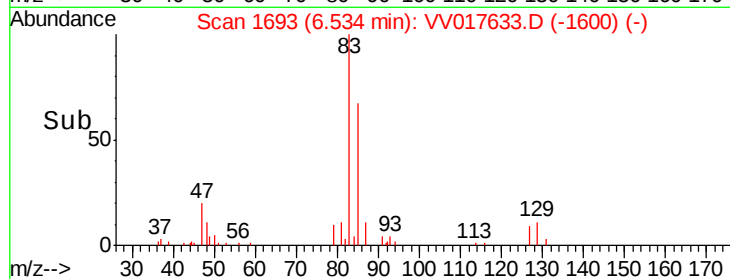
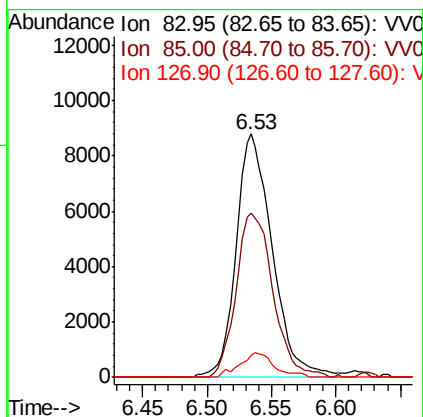
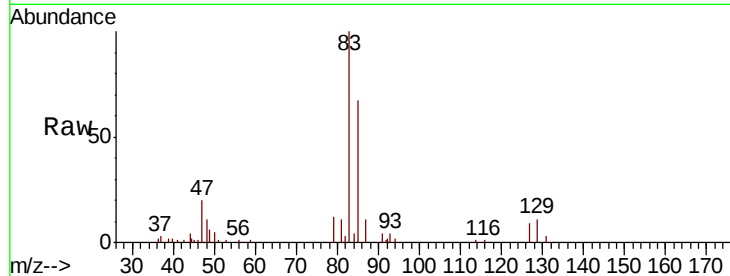




#38
 Bromodichloromethane
 Concen: 1.202 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017633.D
 Acq: 24 Jul 2020 03:51

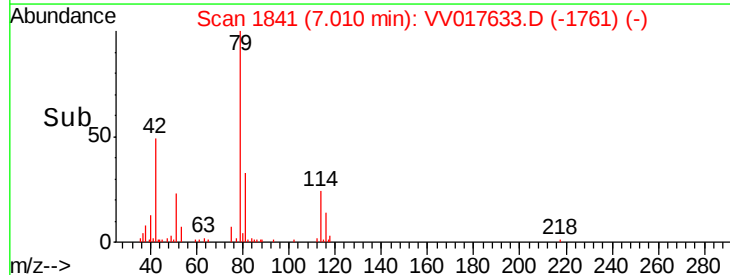
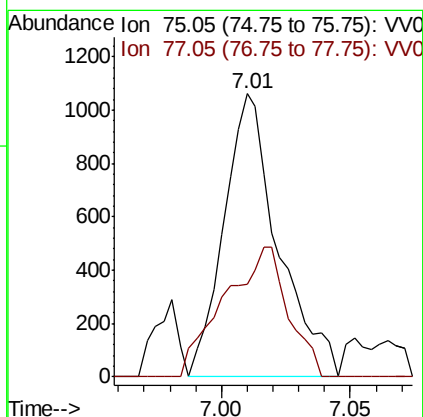
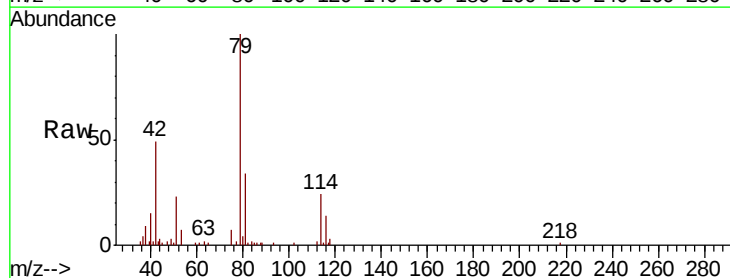
Instrument :
 MSVOA_V
 ClientSampleId :
 F4C80

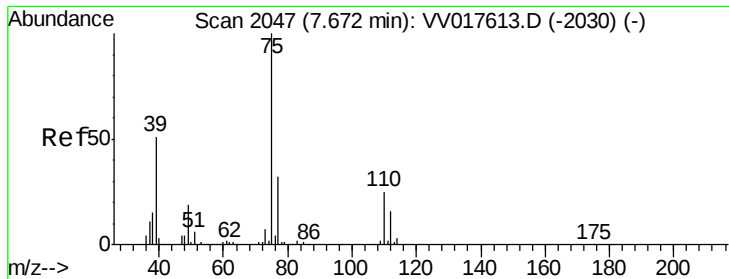
Tot Ion: 83 Resp: 17121
 Ion Ratio Lower Upper
 83 100
 85 67.4 44.7 83.1
 127 9.1 7.4 11.0



#39
 cis-1,3-Dichloropropene
 Concen: 0.106 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017633.D
 Acq: 24 Jul 2020 03:51

Tgt Ion: 75 Resp: 1552
 Ion Ratio Lower Upper
 75 100
 77 32.7 23.2 43.2





#46

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017633.D

Acq: 24 Jul 2020 03:51

Instrument :

MSVOA_V

ClientSampled :

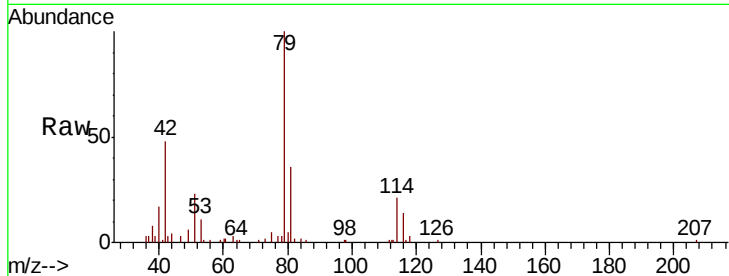
F4C80

Tot Ion: 75 Resp: 1014

Ion Ratio Lower Upper

75 100

77 48.3 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.64

600

500

400

300

200

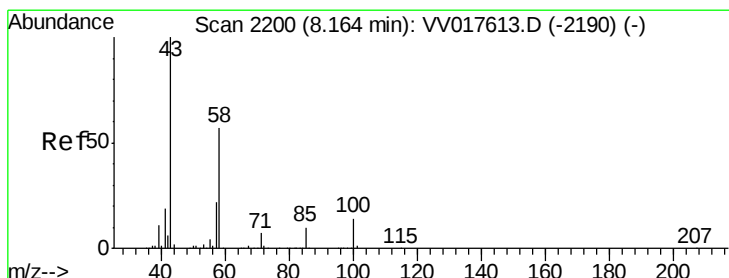
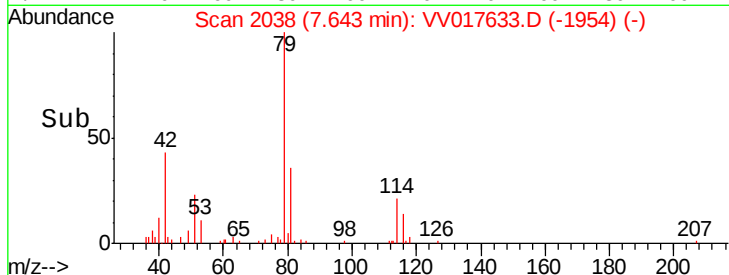
100

0

7.60

7.65

Time-->



#50

2-Hexanone

Concen: 1.635 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV017633.D

Acq: 24 Jul 2020 03:51

Tgt Ion: 43 Resp: 6143

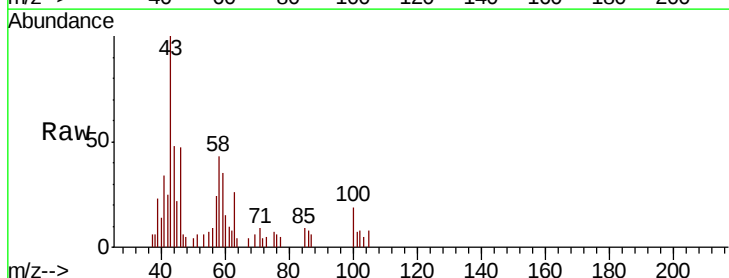
Ion Ratio Lower Upper

43 100

58 46.4 41.6 62.4

57 20.3 15.4 23.0

100 11.7 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

6000

5000

4000

3000

2000

1000

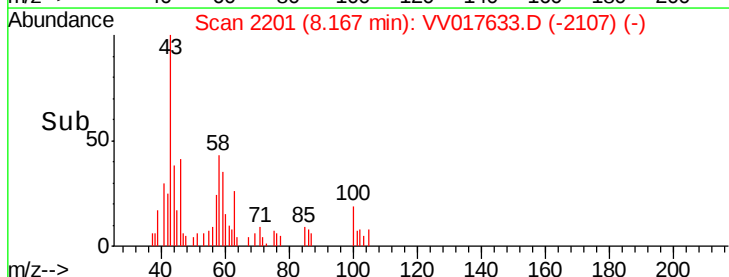
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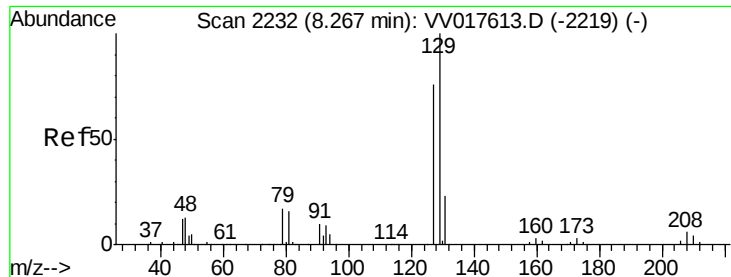
8.15

8.20

8.25

Time-->





#51
 Dibromochloromethane
 Concen: 0.505 ug/L
 RT: 8.27 min Scan# 2233
 Delta R.T. 0.00 min
 Lab File: VV017633.D
 Acq: 24 Jul 2020 03:51

Instrument :
 MSVOA_V
 ClientSampleId :
 F4C80

Tot Ion:129 Resp: 4719
 Ion Ratio Lower Upper
 129 100
 127 80.2 56.3 104.5

