

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
 Data File : VV015798.D
 Acq On : 29 Apr 2020 17:25
 Operator : SY/MD
 Sample : L2410-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBEF1

Quant Time: Apr 30 01:41:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 30 01:35:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	120466	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	118183	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	54262	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37036	5.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.60%
7) Chloroethane-d5	1.58	69	32966	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.12	63	53289	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	3.90	46	86651	42.87	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.74%
24) Chloroform-d	4.38	84	67625	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.06	65	39541	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.08	84	135013	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.09	67	41916	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.34	98	120505	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.64	79	13920	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.11	63	60608	35.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.32%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	26489	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	44943	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

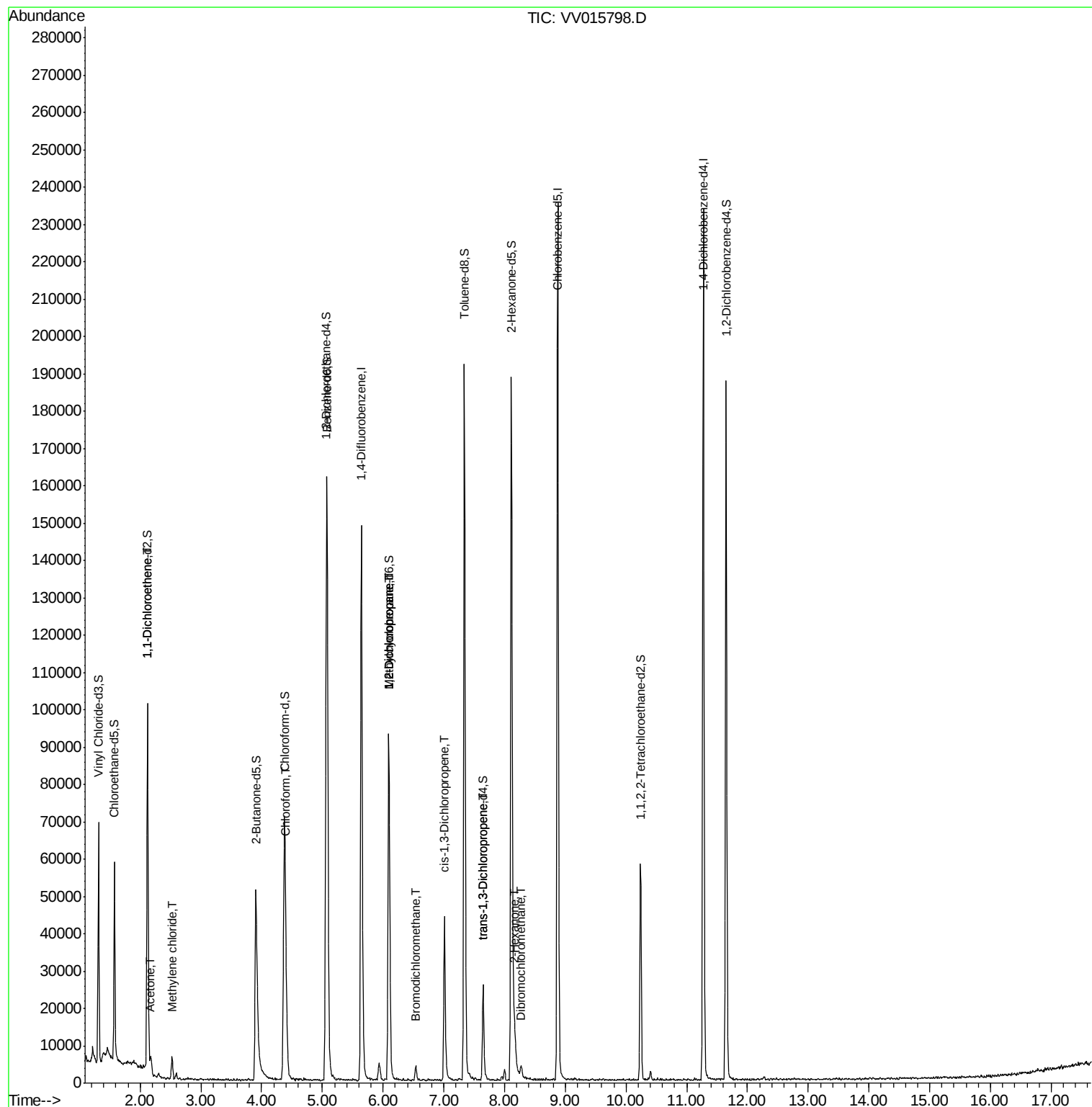
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	611	0.087	ug/L #	1
13) Acetone	2.18	43	4412	3.143	ug/L	97
16) Methylene chloride	2.52	84	2040	0.236	ug/L	92
25) Chloroform	4.40	83	12655	0.773	ug/L	92
35) Methylcyclohexane	6.10	83	10180	0.711	ug/L #	15
37) 1,2-Dichloropropane	6.09	63	5320	0.620	ug/L #	86
38) Bromodichloromethane	6.54	83	2528	0.232	ug/L	91
39) cis-1,3-Dichloropropene	7.01	75	1177	0.098	ug/L #	66
44) trans-1,3-Dichloropropene	7.65	75	680	0.068	ug/L #	73
48) 2-Hexanone	8.17	43	7080	1.782	ug/L #	89
49) Dibromochloromethane	8.27	129	981	0.162	ug/L	97

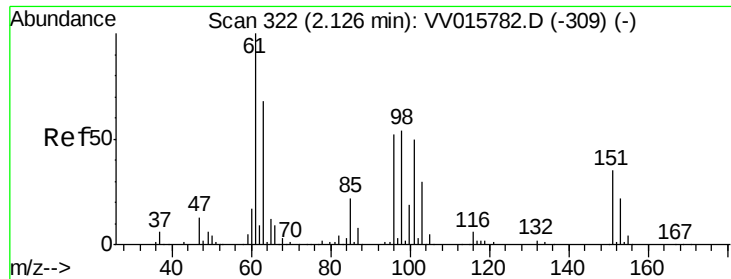
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.087 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015798.D

Acq: 29 Apr 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

DBEF1

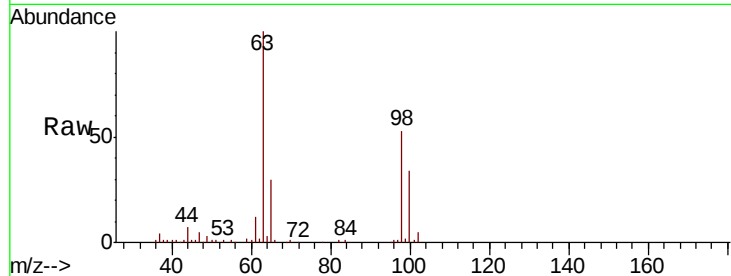
Tot Ion: 96 Resp: 611

Ion Ratio Lower Upper

96 100

61 898.2 130.1 241.7#

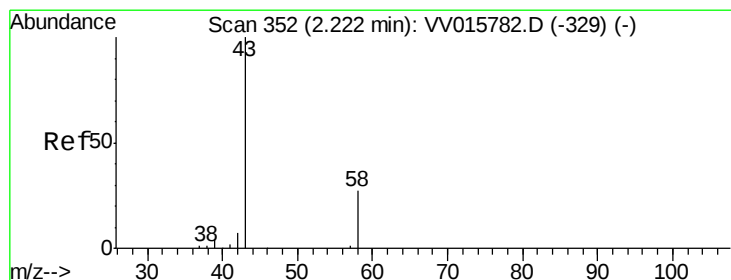
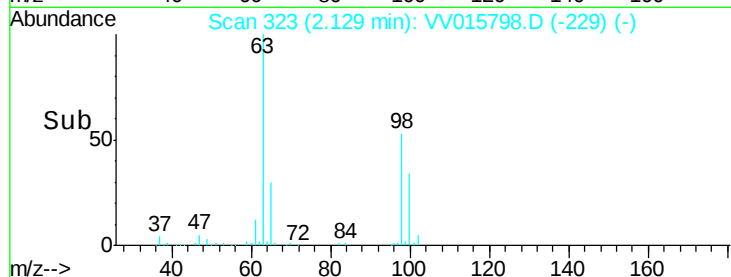
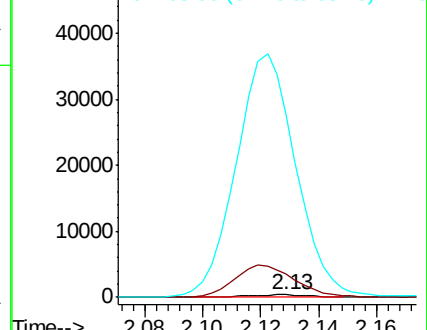
63 7206.2 91.4 169.8#



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



#13

Acetone

Concen: 3.143 ug/L

RT: 2.18 min Scan# 338

Delta R.T. -0.05 min

Lab File: VV015798.D

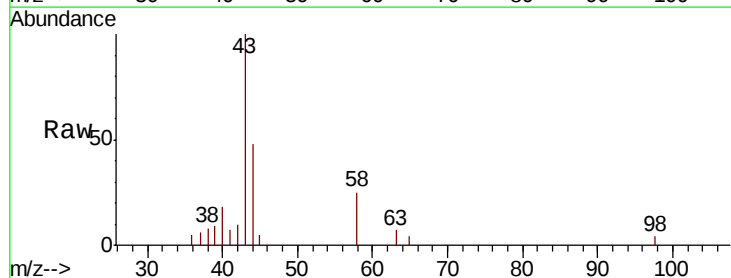
Acq: 29 Apr 2020 17:25

Tgt Ion: 43 Resp: 4412

Ion Ratio Lower Upper

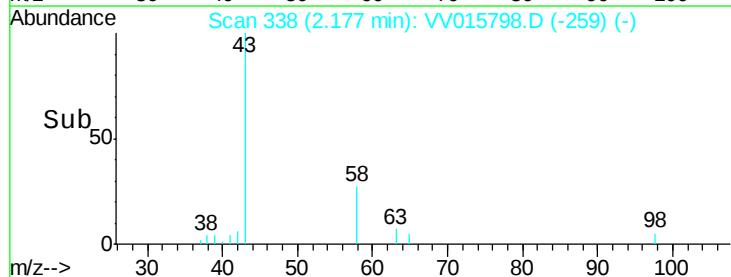
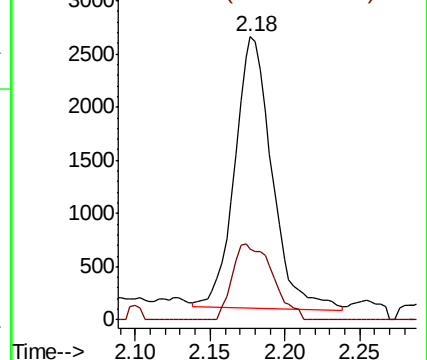
43 100

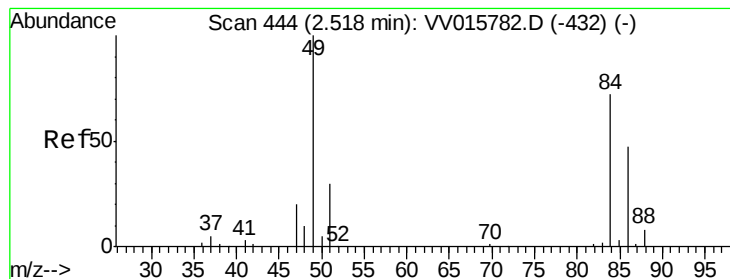
58 30.3 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#16

Methvlene chloride

Concen: 0.236 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV015798.D

Acq: 29 Apr 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

DBEF1

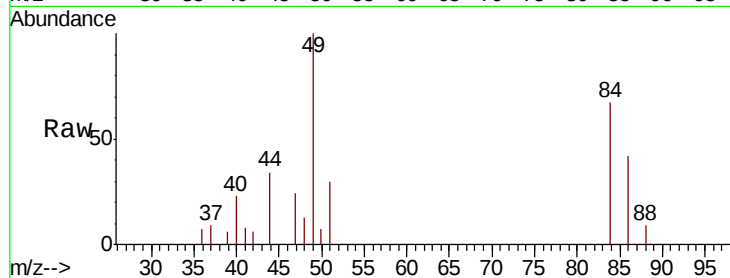
Tot Ion: 84 Resp: 2040

Ion Ratio Lower Upper

84 100

86 63.1 45.1 83.7

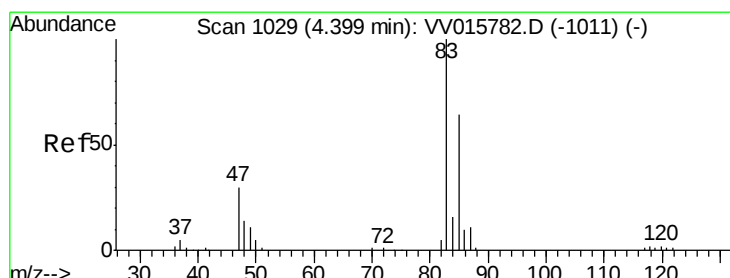
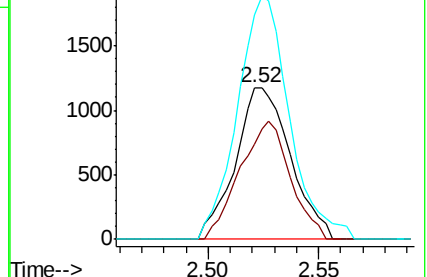
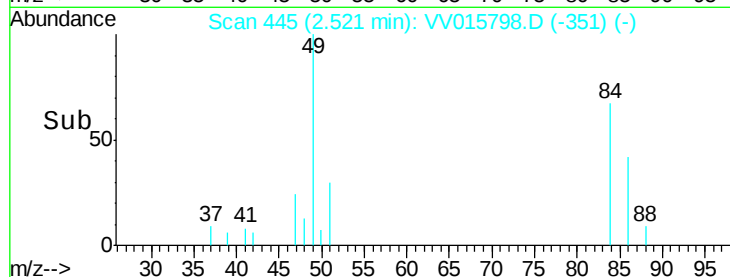
49 148.4 94.4 175.4



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



#25

Chloroform

Concen: 0.773 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV015798.D

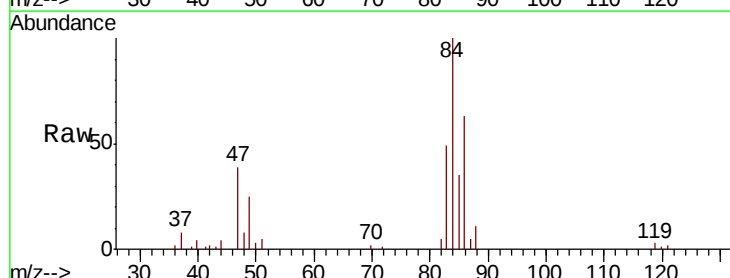
Acq: 29 Apr 2020 17:25

Tgt Ion: 83 Resp: 12655

Ion Ratio Lower Upper

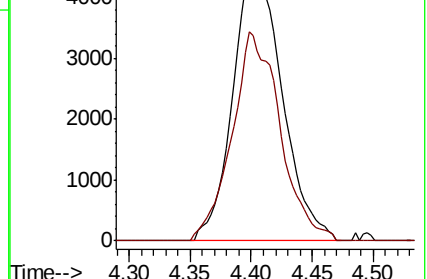
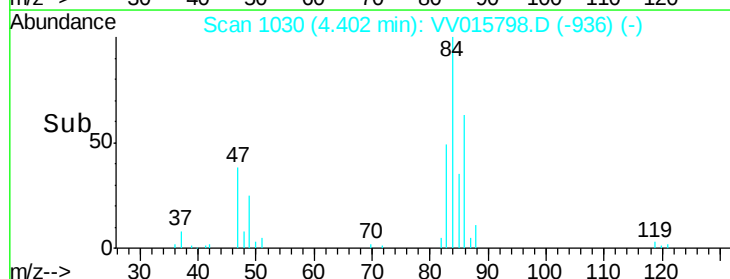
83 100

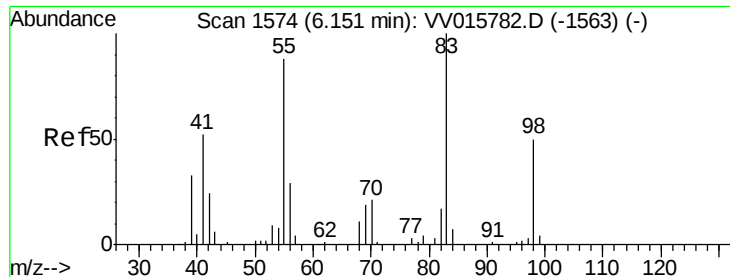
85 72.5 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

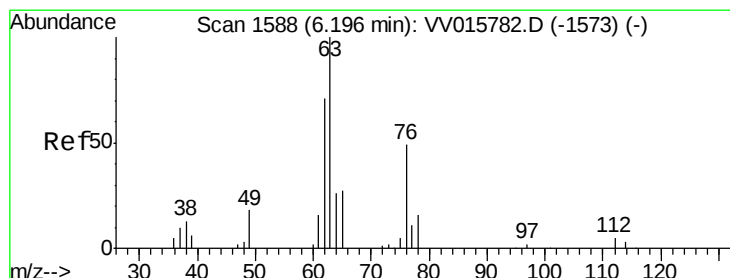
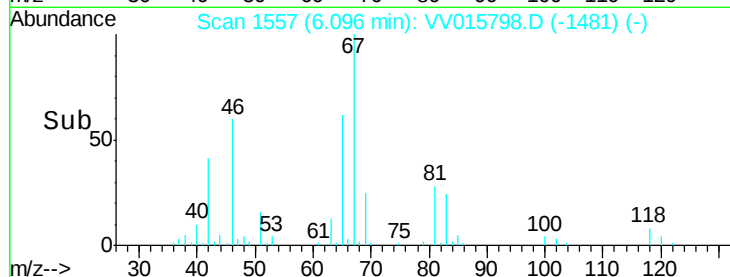
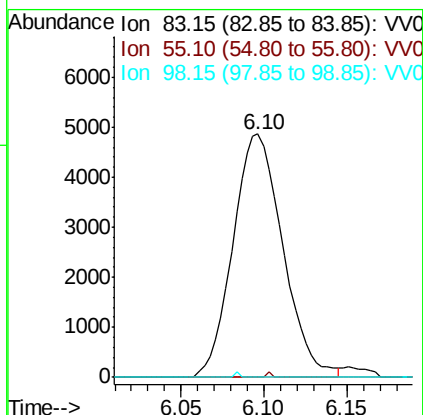
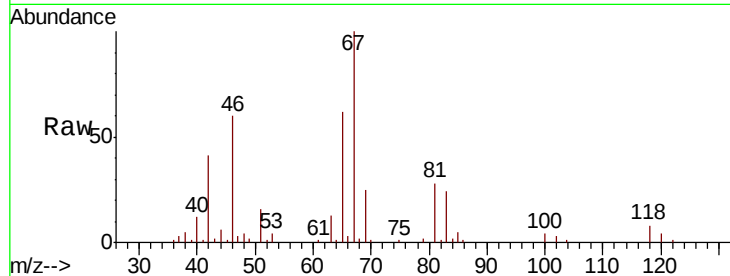




#35
Methvlcvclohexane
Concen: 0.711 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015798.D
Acq: 29 Apr 2020 17:25

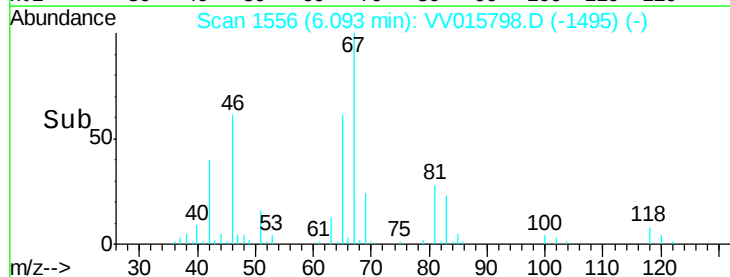
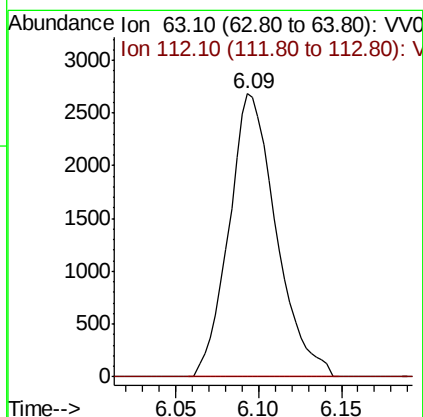
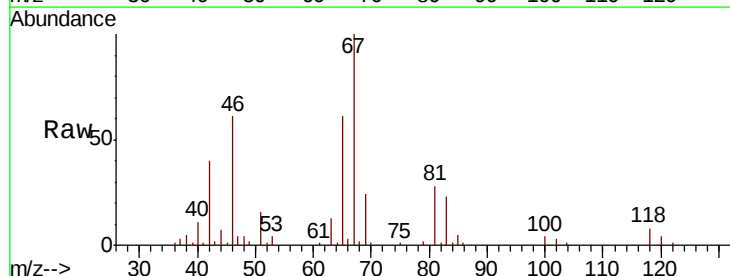
Instrument :
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ClientSampleId :
DBEF1

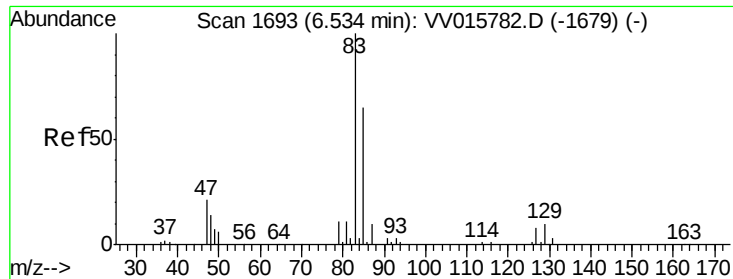
Tot Ion: 83 Resp: 10180
Ion Ratio Lower Upper
83 100
55 0.2 66.6 99.8#
98 0.2 39.5 59.3#



#37
1,2-Dichloropropane
Concen: 0.620 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015798.D
Acq: 29 Apr 2020 17:25

Tgt Ion: 63 Resp: 5320
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#38

Bromodichloromethane

Concen: 0.232 ug/L

RT: 6.54 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VV015798.D

Acq: 29 Apr 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

DBEF1

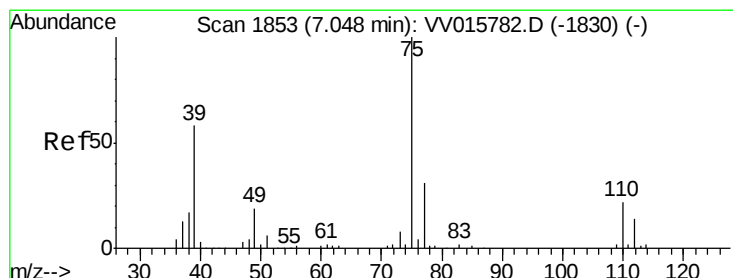
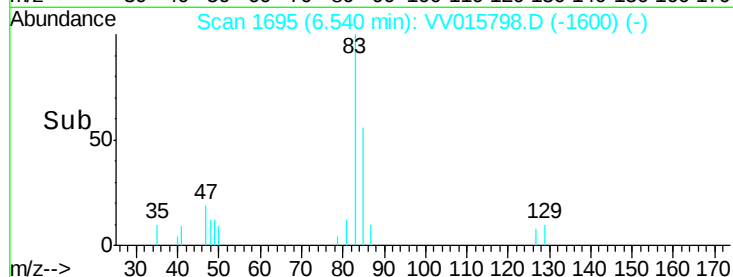
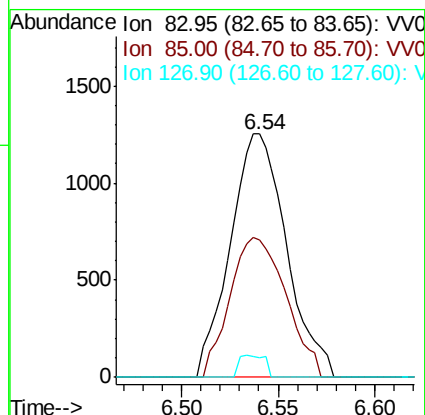
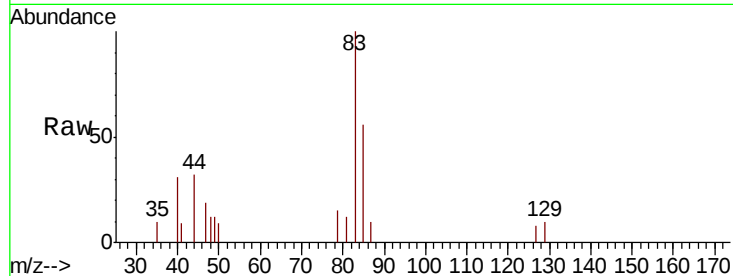
Tot Ion: 83 Resp: 2528

Ion Ratio Lower Upper

83 100

85 56.4 44.7 83.1

127 8.2 5.8 8.6



#39

cis-1,3-Dichloropropene

Concen: 0.098 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV015798.D

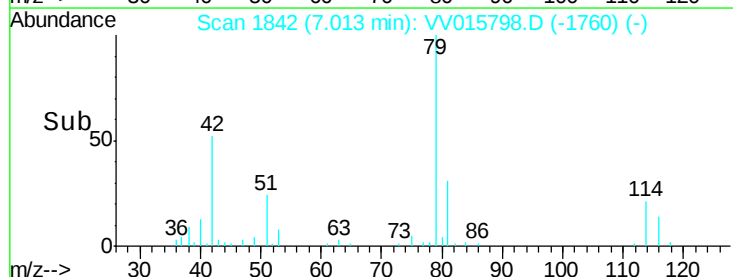
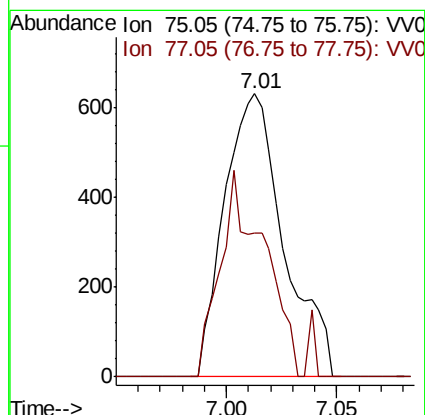
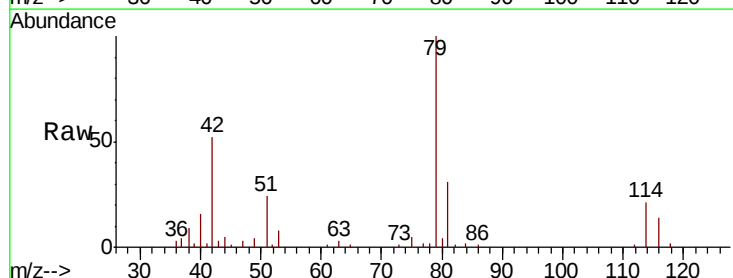
Acq: 29 Apr 2020 17:25

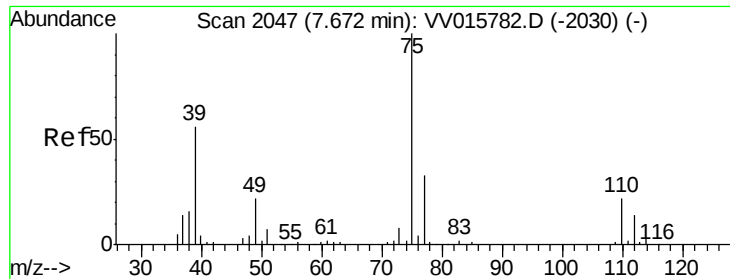
Tgt Ion: 75 Resp: 1177

Ion Ratio Lower Upper

75 100

77 50.7 22.3 41.5#





#44

trans-1,3-Dichloropropene

Concen: 0.068 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015798.D

Acq: 29 Apr 2020 17:25

Instrument :

MSVOA_V

ClientSampleId :

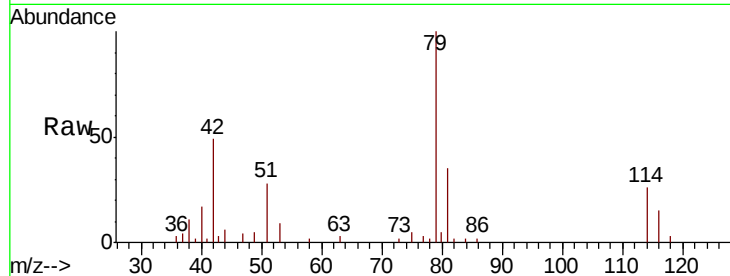
DBEF1

Tot Ion: 75 Resp: 680

Ion Ratio Lower Upper

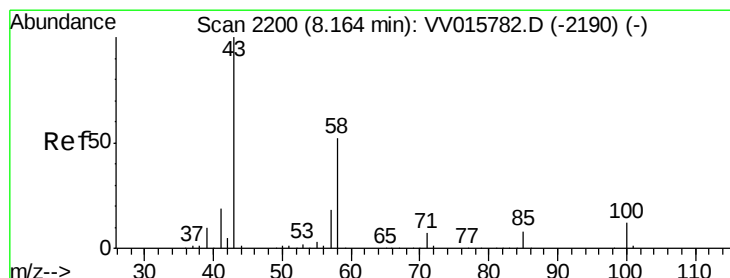
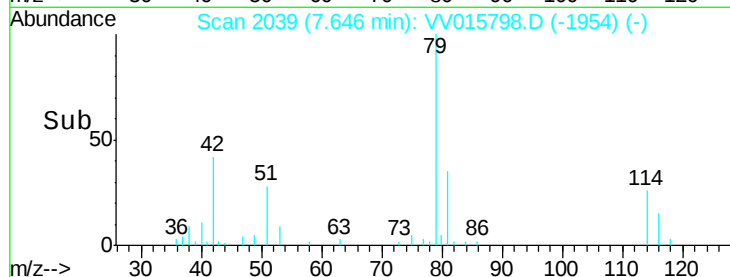
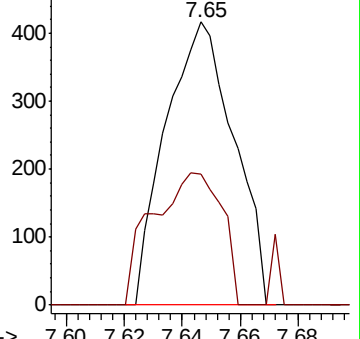
75 100

77 46.3 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 1.782 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV015798.D

Acq: 29 Apr 2020 17:25

Tgt Ion: 43 Resp: 7080

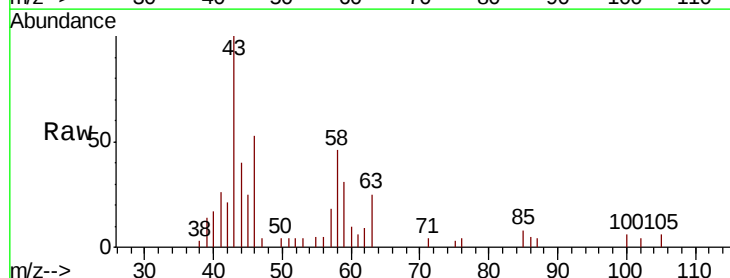
Ion Ratio Lower Upper

43 100

58 42.9 41.1 61.7

57 17.4 15.0 22.4

100 3.1 9.0 13.4#

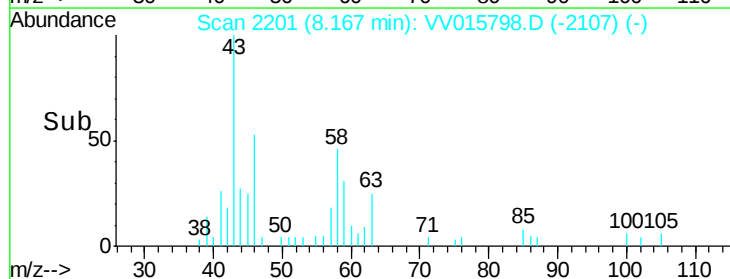
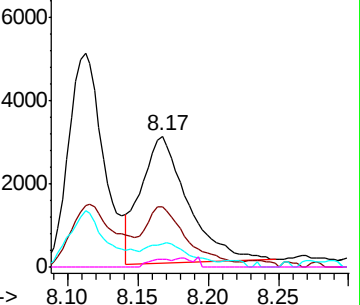


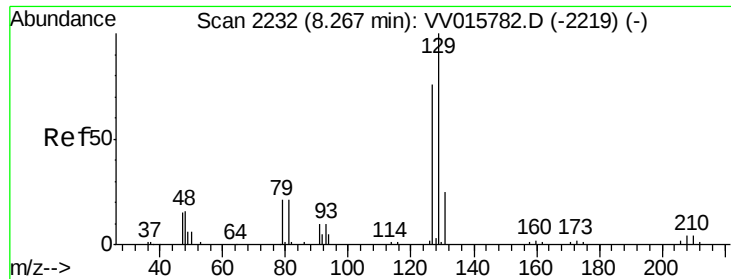
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#49

Dibromochloromethane

Concen: 0.162 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV015798.D

Acq: 29 Apr 2020 17:25

Instrument :

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ClientSampleId :

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Tot Ion:129 Resp: 981

Ion Ratio Lower Upper

129 100

127 78.1 52.6 97.8

