

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041520\
 Data File : VV015514.D
 Acq On : 15 Apr 2020 17:31
 Operator : SY/MD
 Sample : L2274-08DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 16 00:45:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 16 00:42:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	107352	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	100725	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	49304	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	29078	5.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.40%
7) Chloroethane-d5	1.58	69	26316	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.12	63	40344	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	3.94	46	79710	50.97	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.94%
24) Chloroform-d	4.38	84	58767	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.06	65	32884	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.08	84	114633	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.10	67	35904	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.34	98	104952	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.65	79	14132	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.12	63	64295	44.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.10%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	24609	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	39264	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

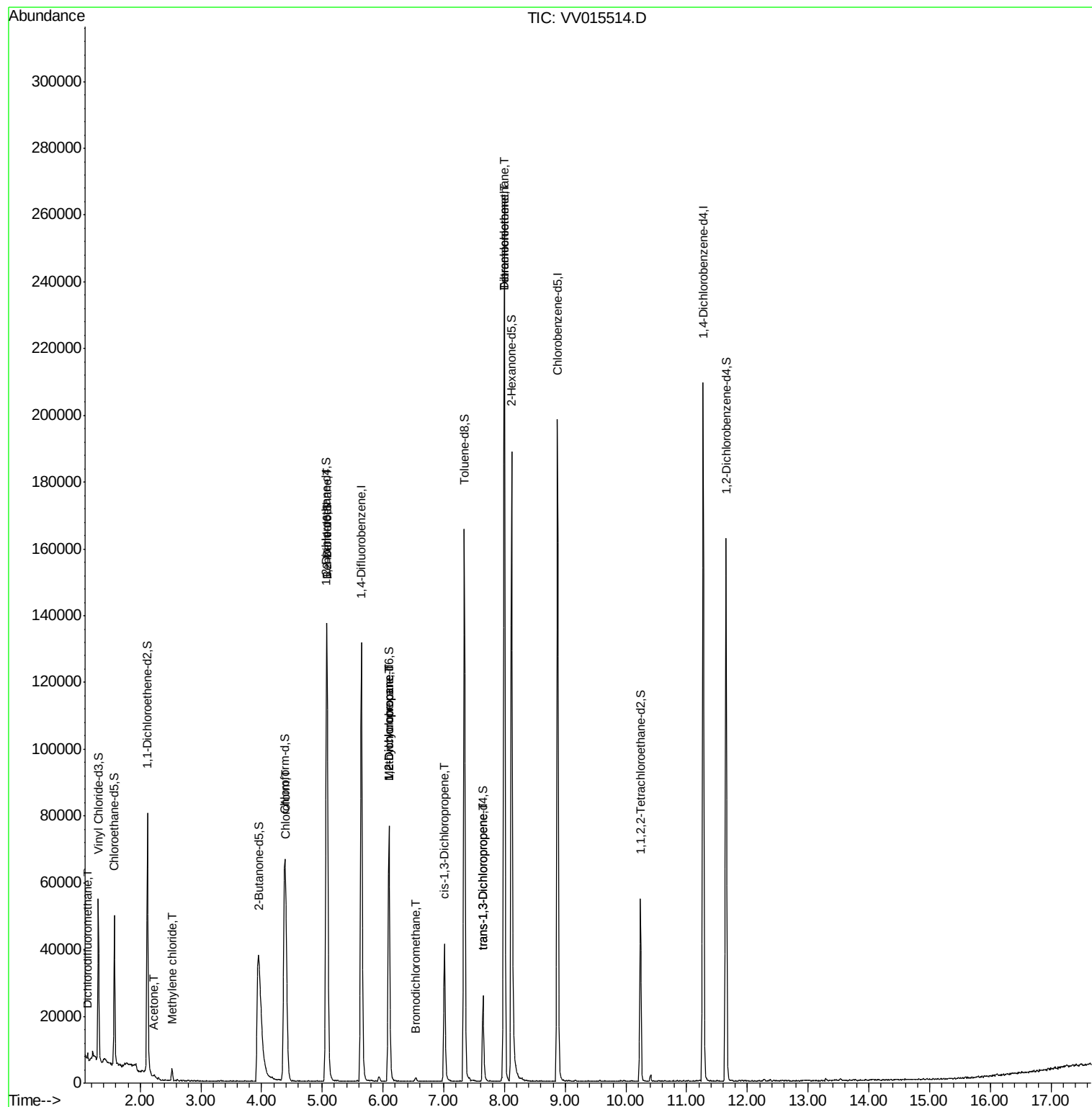
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	1211	0.114	ug/L	92
13) Acetone	2.23	43	1672	1.513	ug/L #	54
16) Methylene chloride	2.52	84	1407	0.178	ug/L	85
25) Chloroform	4.41	83	33333	2.275	ug/L	97
27) 1,2-Dichloroethane	5.08	62	714	0.075	ug/L #	77
35) Methylcyclohexane	6.10	83	8681	0.635	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	4332	0.579	ug/L #	86
38) Bromodichloromethane	6.54	83	941	0.094	ug/L #	80
39) cis-1,3-Dichloropropene	7.01	75	1109	0.097	ug/L #	53
44) trans-1,3-Dichloropropene	7.64	75	560	0.058	ug/L #	33
47) Tetrachloroethene	8.00	164	54831	9.121	ug/L	98
49) Dibromochloromethane	8.00	129	53183	8.833	ug/L #	10

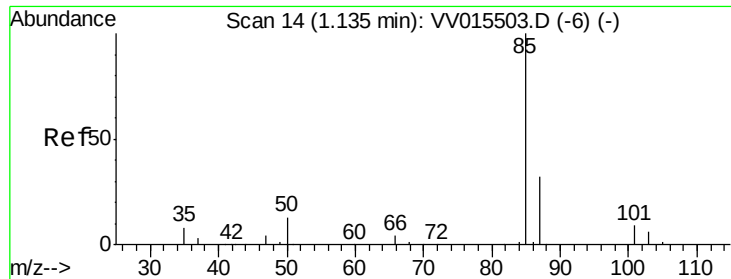
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.114 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015514.D

Acq: 15 Apr 2020 17:31

Instrument :

MSVOA_V

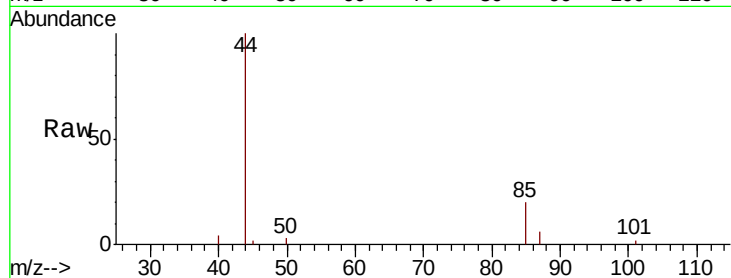
ClientSampleId :

Tot Ion: 85 Resp: 1211

Ion Ratio Lower Upper

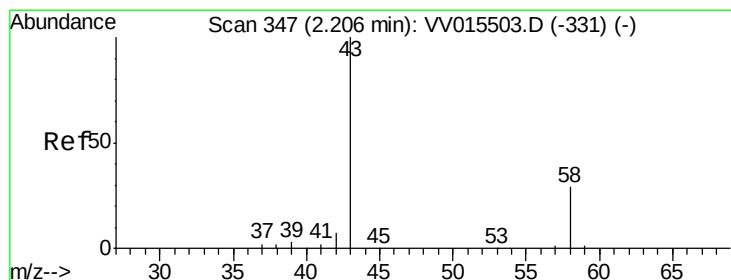
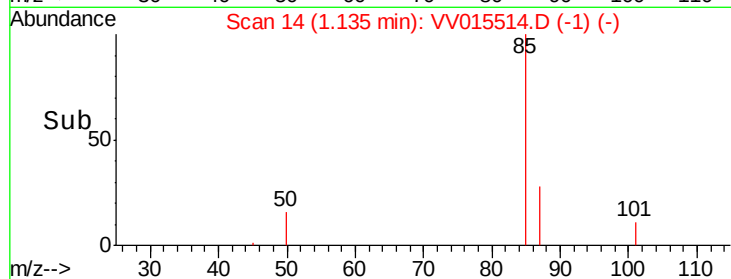
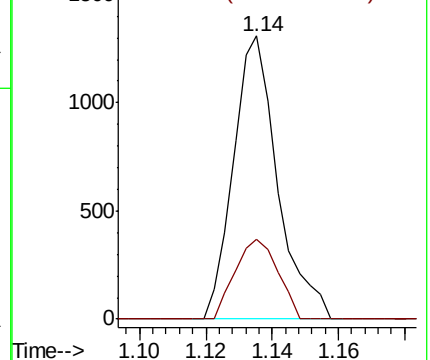
85 100

87 27.2 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#13

Acetone

Concen: 1.513 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.02 min

Lab File: VV015514.D

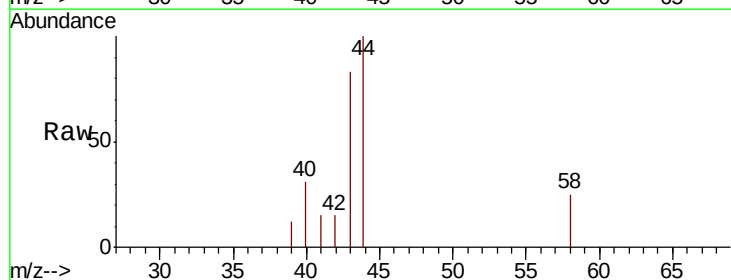
Acq: 15 Apr 2020 17:31

Tgt Ion: 43 Resp: 1672

Ion Ratio Lower Upper

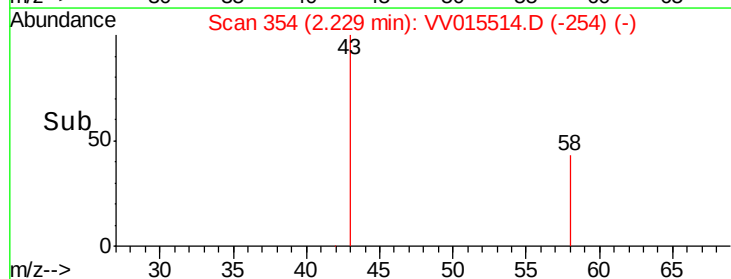
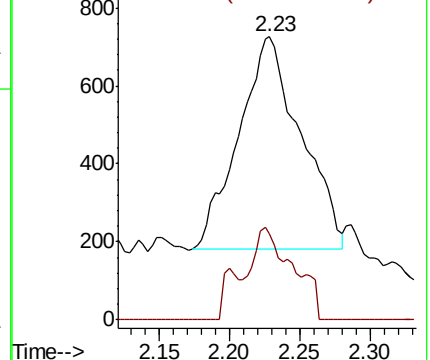
43 100

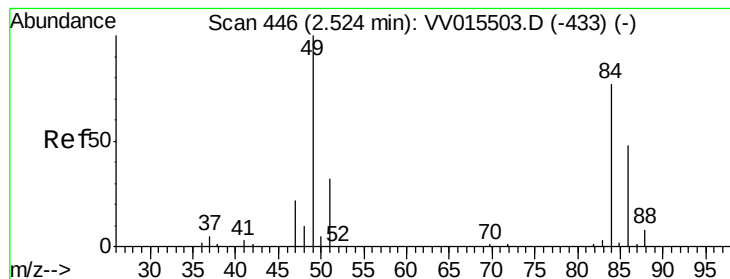
58 28.6 0.0 22.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#16

Methylene chloride

Concen: 0.178 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV015514.D

Acq: 15 Apr 2020 17:31

Instrument :

MSVOA_V

ClientSampled :

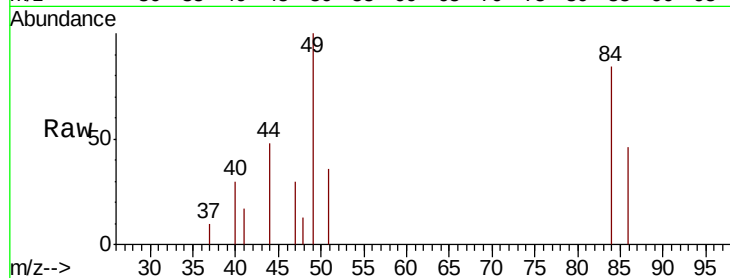
Tot Ion: 84 Resp: 1407

Ion Ratio Lower Upper

84 100

86 55.0 45.1 83.7

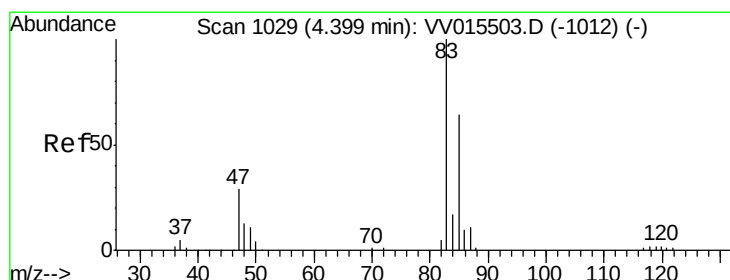
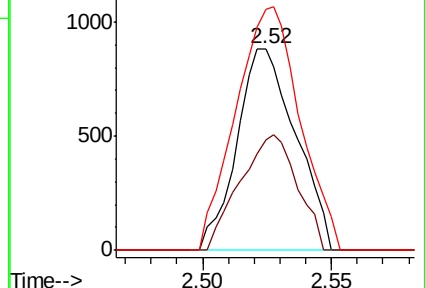
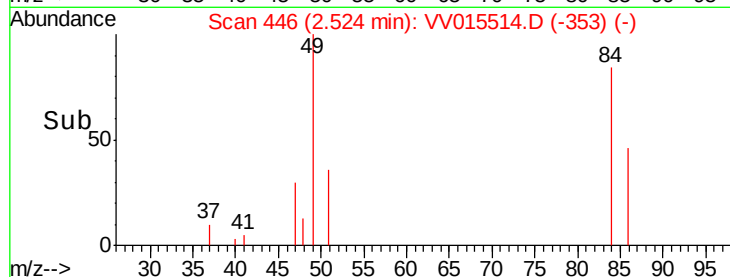
49 119.3 97.9 181.7



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: 2.275 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV015514.D

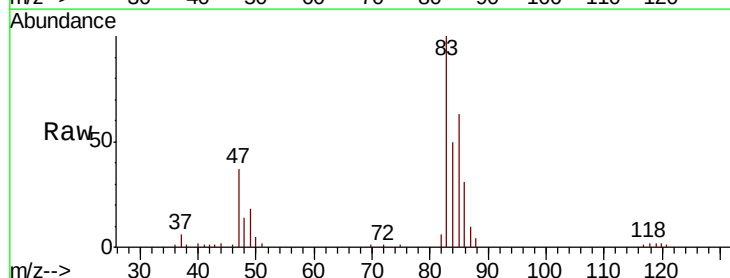
Acq: 15 Apr 2020 17:31

Tgt Ion: 83 Resp: 33333

Ion Ratio Lower Upper

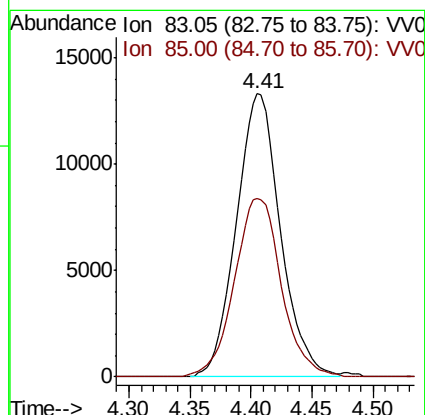
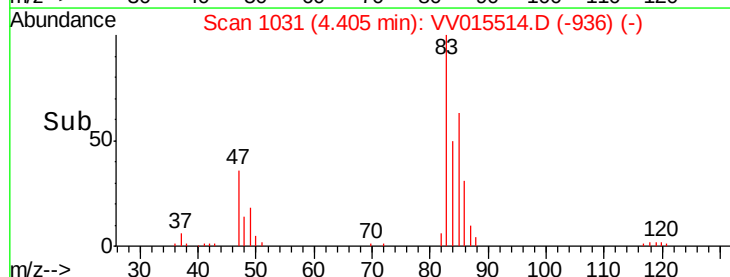
83 100

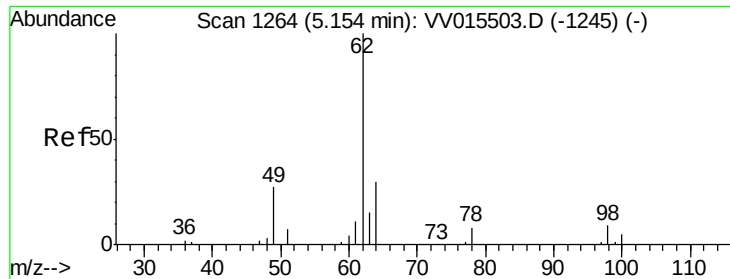
85 63.1 45.9 85.3



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

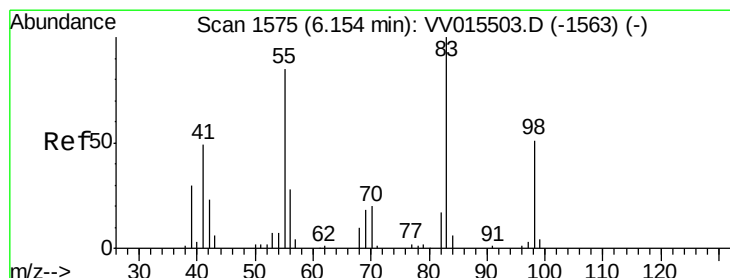
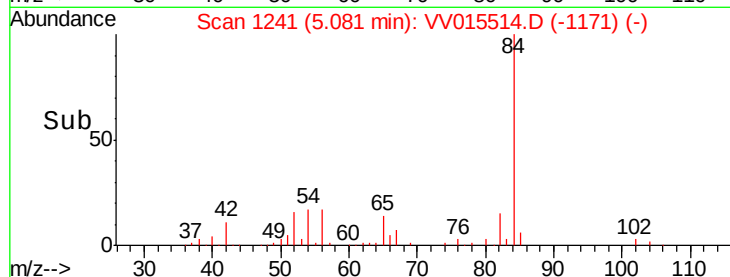
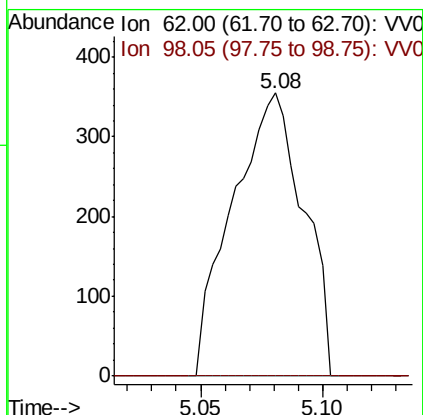
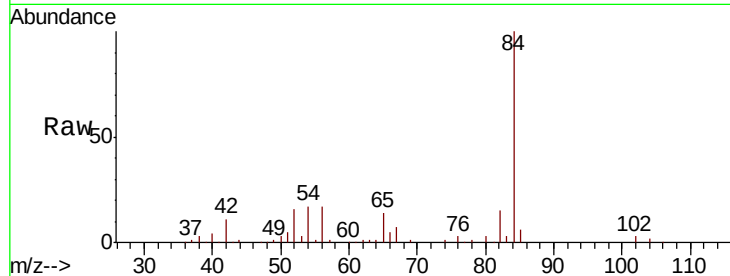




#27
 1,2-Dichloroethane
 Concen: 0.075 ug/L
 RT: 5.08 min Scan# 1241
 Delta R.T. -0.07 min
 Lab File: VV015514.D
 Acq: 15 Apr 2020 17:31

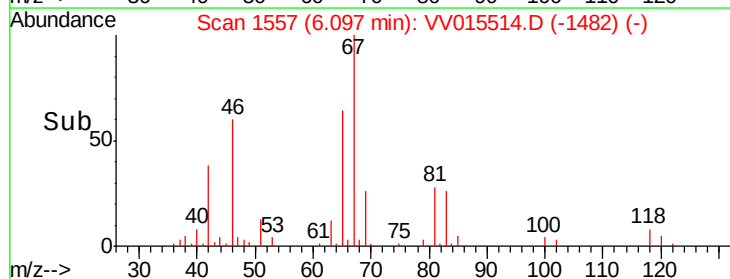
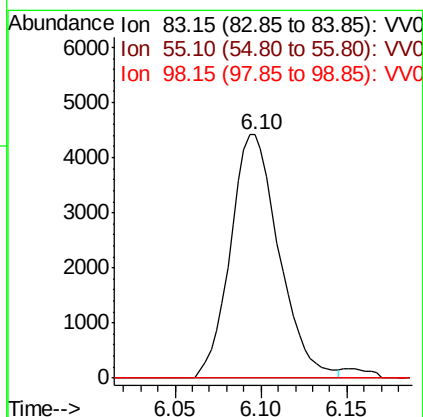
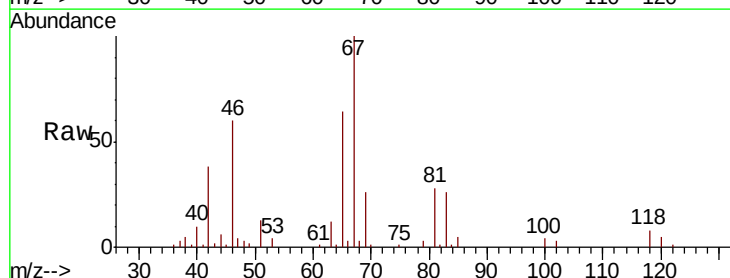
Instrument :
 MSVOA_V
 ClientSampleId :

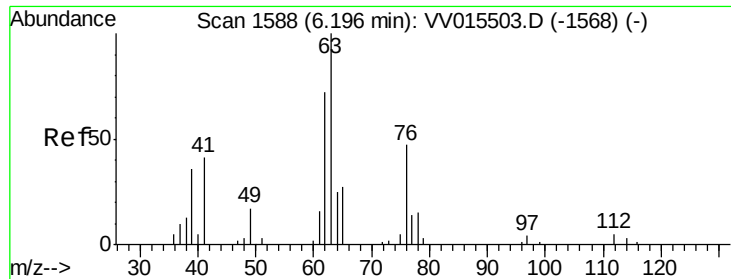
Tot Ion: 62 Resp: 714
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Methylcyclohexane
 Concen: 0.635 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.06 min
 Lab File: VV015514.D
 Acq: 15 Apr 2020 17:31

Tgt Ion: 83 Resp: 8681
 Ion Ratio Lower Upper
 83 100
 55 0.0 66.6 99.8#
 98 3.2 38.7 58.1#

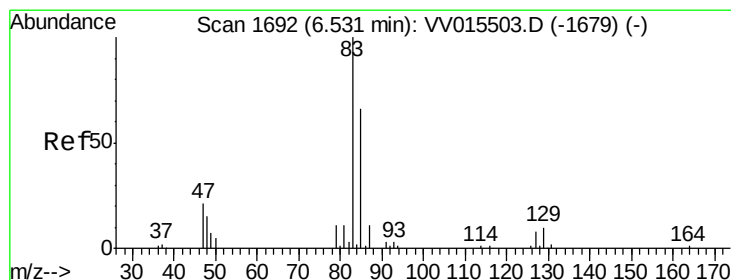
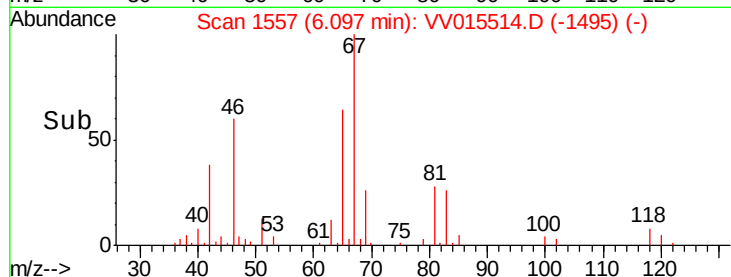
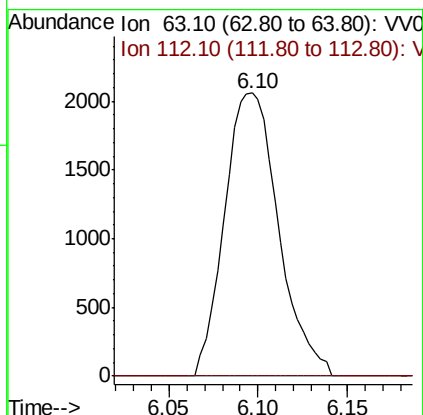
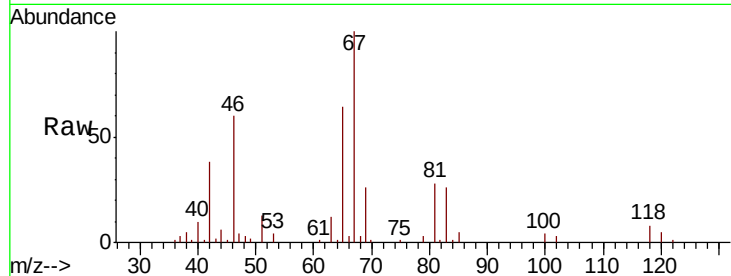




#37
 1,2-Dichloropropane
 Concen: 0.579 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015514.D
 Acq: 15 Apr 2020 17:31

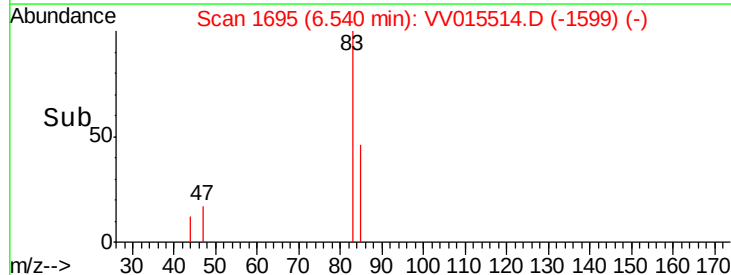
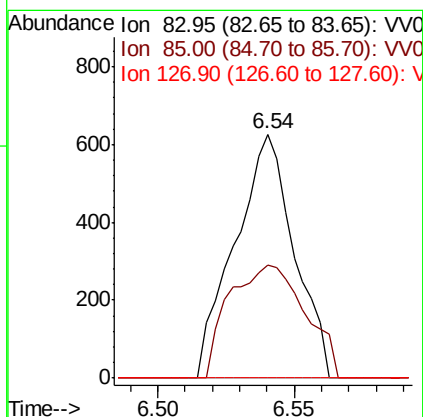
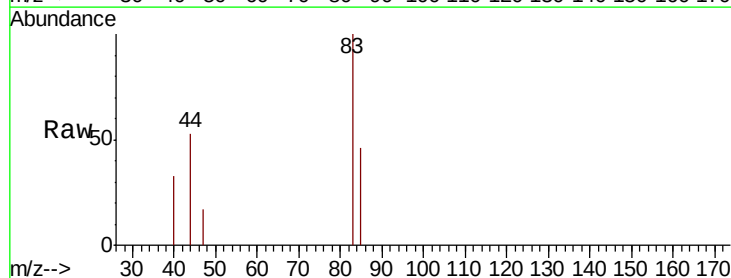
Instrument :
 MSVOA_V
 ClientSampleId :

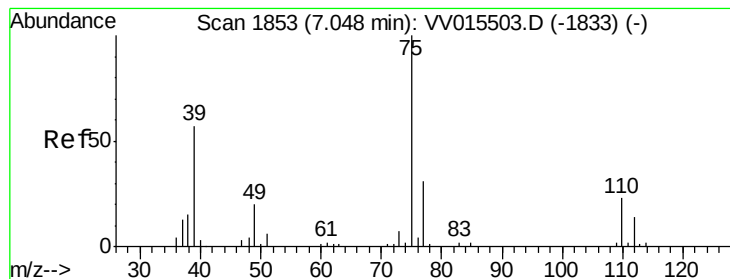
Tot Ion: 63 Resp: 4332
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 0.094 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV015514.D
 Acq: 15 Apr 2020 17:31

Tgt Ion: 83 Resp: 941
 Ion Ratio Lower Upper
 83 100
 85 46.2 42.6 79.2
 127 0.0 6.6 9.8#



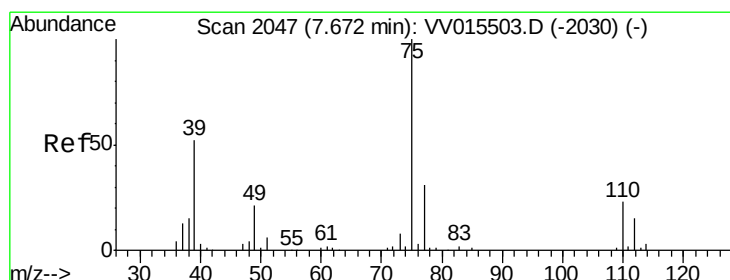
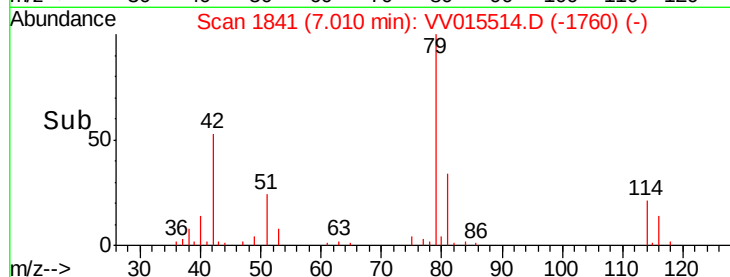
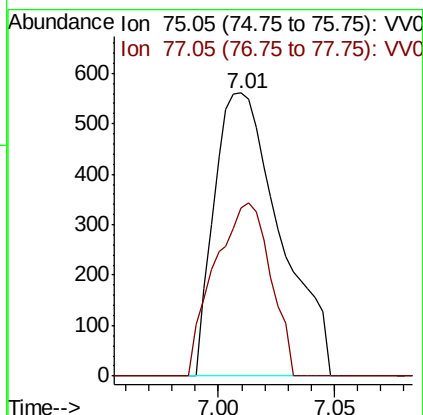
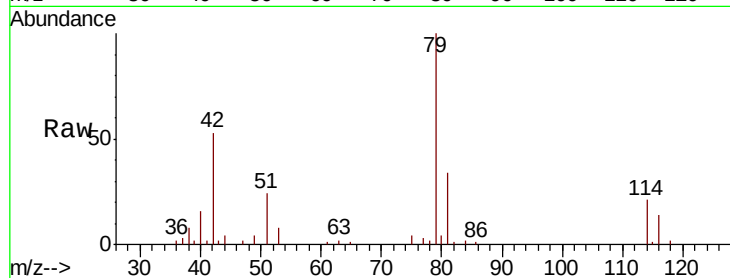


#39

cis-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015514.D
 Acq: 15 Apr 2020 17:31

Instrument :
 MSVOA_V
 ClientSampled :

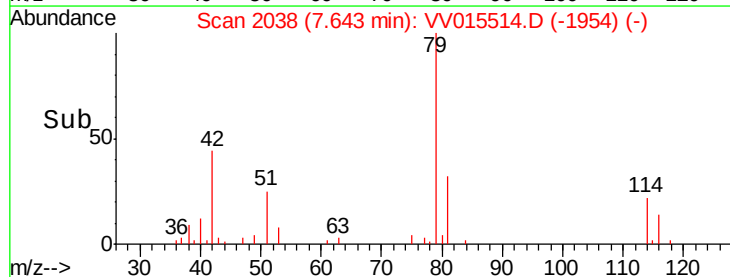
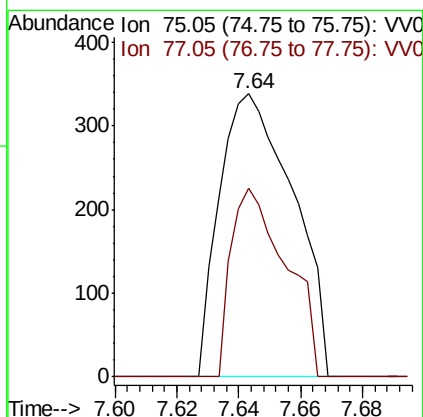
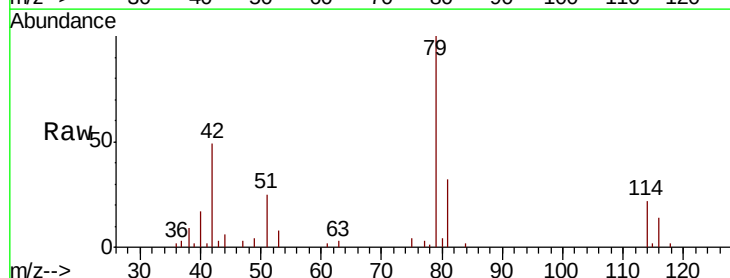
Tot Ion: 75 Resp: 1109
 Ion Ratio Lower Upper
 75 100
 77 59.5 23.0 42.6#

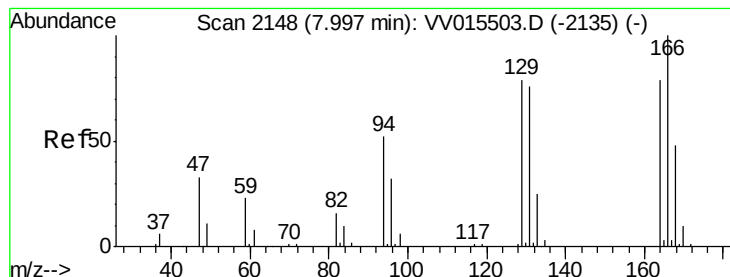


#44

trans-1,3-Dichloropropene
 Concen: 0.058 ug/L
 RT: 7.64 min Scan# 2038
 Delta R.T. -0.03 min
 Lab File: VV015514.D
 Acq: 15 Apr 2020 17:31

Tgt Ion: 75 Resp: 560
 Ion Ratio Lower Upper
 75 100
 77 66.6 21.0 39.0#





#47

Tetrachloroethene

Concen: 9.121 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015514.D

Acq: 15 Apr 2020 17:31

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 54831

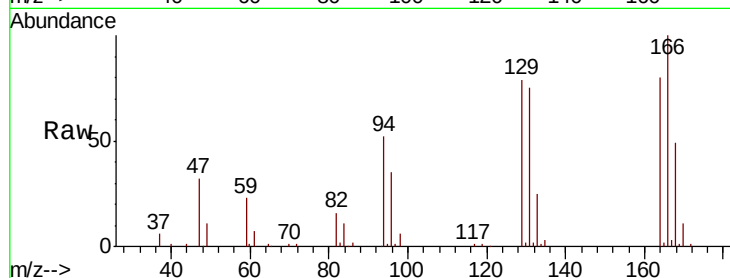
Ion Ratio Lower Upper

164 100

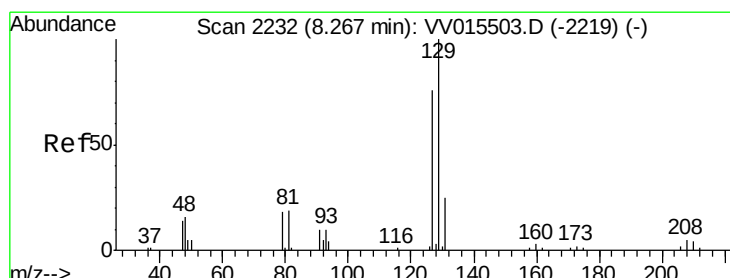
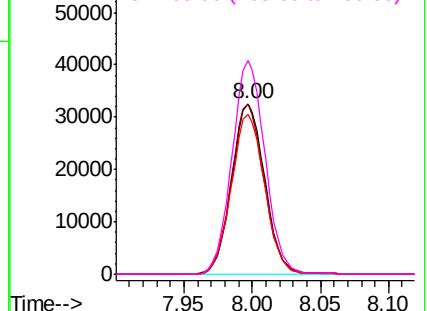
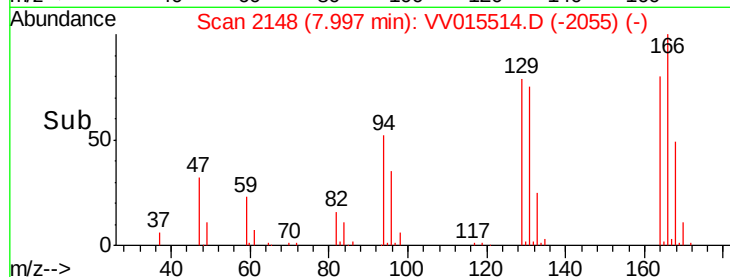
129 99.3 70.6 131.0

131 93.8 68.3 126.8

166 125.0 88.3 163.9



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 8.833 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015514.D

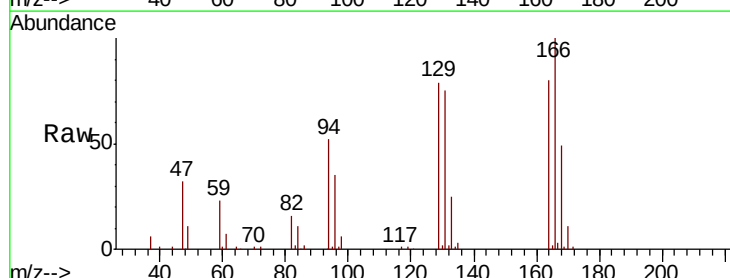
Acq: 15 Apr 2020 17:31

Tgt Ion:129 Resp: 53183

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

