

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042020\
 Data File : VV015577.D
 Acq On : 20 Apr 2020 12:58
 Operator : SY/MD
 Sample : L2333-16
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 21 00:09:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 21 00:05:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	95338	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	92335	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	43605	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	21814	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.58	69	22176	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.12	63	33251	3.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.80%
20) 2-Butanone-d5	3.93	46	77287	55.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.28%
24) Chloroform-d	4.38	84	54255	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.06	65	30502	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.07	84	100613	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.10	67	32938	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.34	98	90572	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.65	79	8388	3.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	60.40%
46) 2-Hexanone-d5	8.11	63	54586	40.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.58%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	23289	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	34203	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.13	96	878	0.147 ug/L #	1
13) Acetone	2.21	43	2516	2.564 ug/L	80
17) Methyl tert-butyl Ether	2.79	73	1486	0.093 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	5042	0.748 ug/L	93
19) 1,1-Dichloroethane	3.21	63	2020	0.159 ug/L #	91
21) 2-Butanone	3.96	43	3697	2.331 ug/L #	71
22) cis-1,2-Dichloroethene	3.94	96	40582	5.796 ug/L	97
27) 1,2-Dichloroethane	5.07	62	722	0.086 ug/L #	77
29) 1,1,1-Trichloroethane	4.64	97	3889	0.325 ug/L	96
34) Trichloroethene	5.94	95	19282	2.592 ug/L	99
35) Methylcyclohexane	6.10	83	8133	0.649 ug/L #	15
37) 1,2-Dichloropropane	6.09	63	4222	0.616 ug/L #	86
47) Tetrachloroethene	8.00	164	1699	0.308 ug/L	92
48) 2-Hexanone	8.11	43	8700	2.767 ug/L #	85
49) Dibromochloromethane	8.00	129	1550	0.281 ug/L #	10

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QLast Update : Tue Apr 21 00:05:52 2020
Response via : Initial Calibration

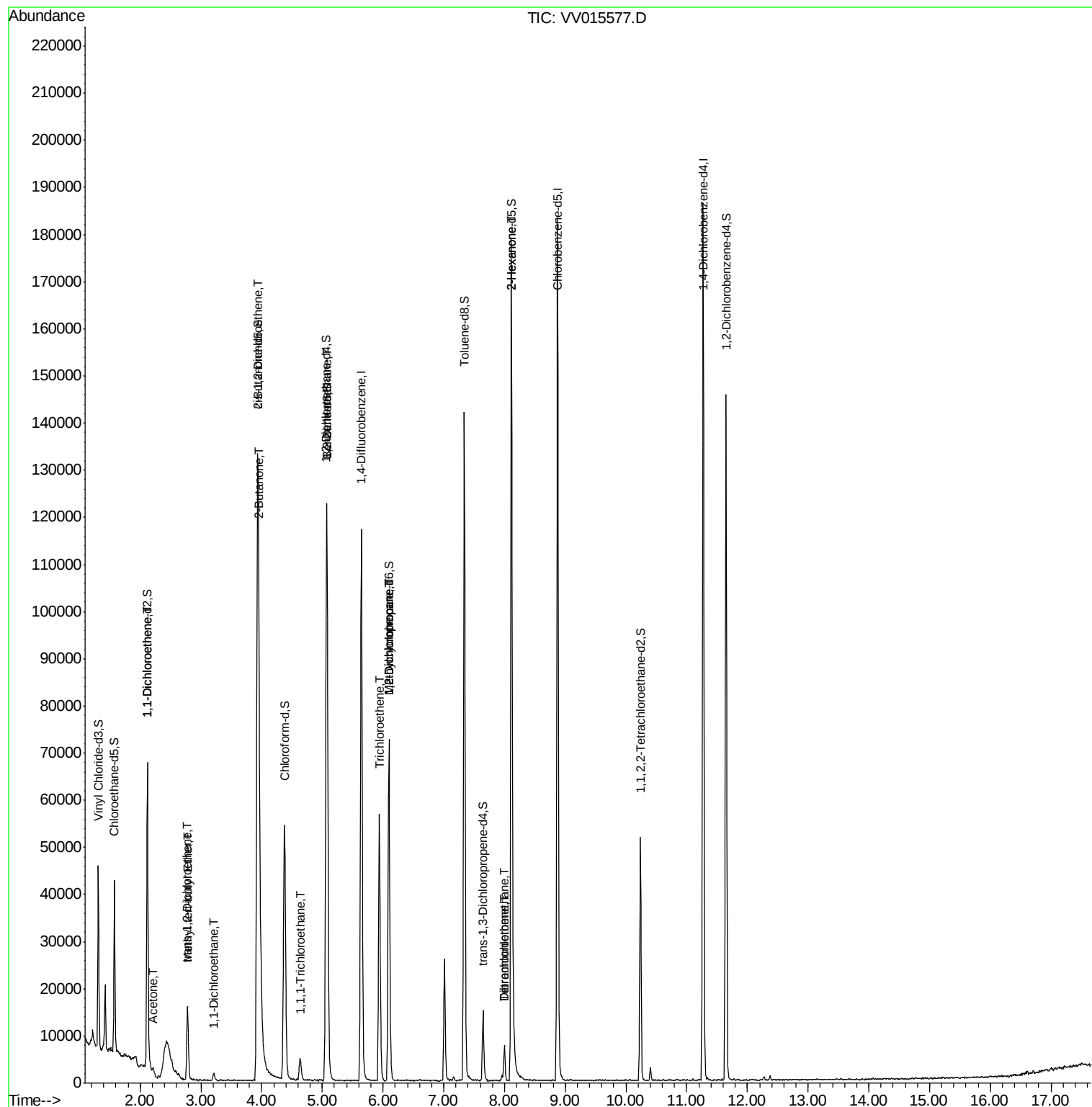
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

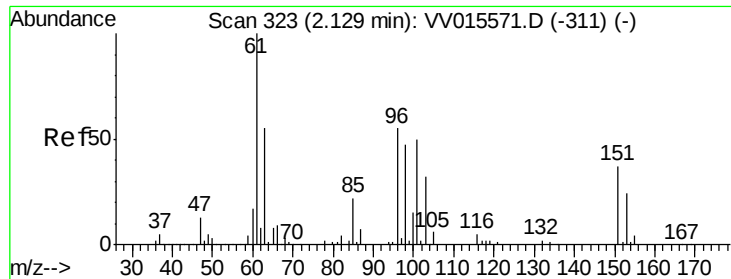
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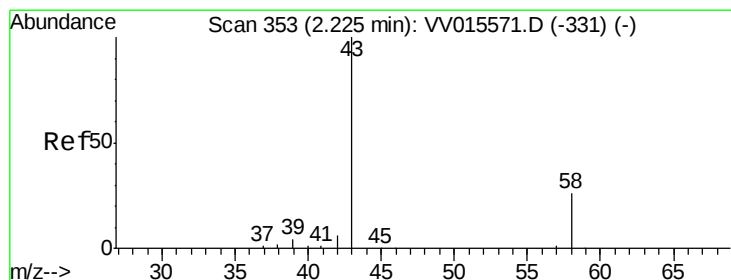
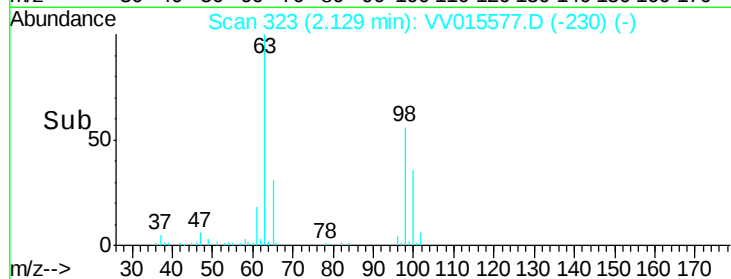
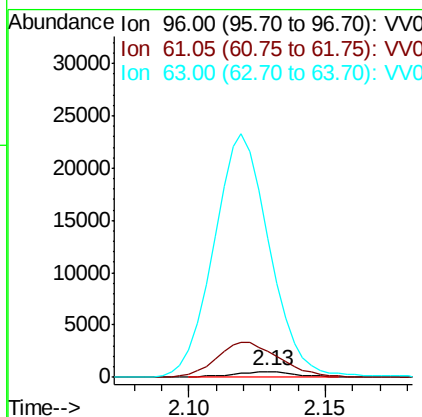
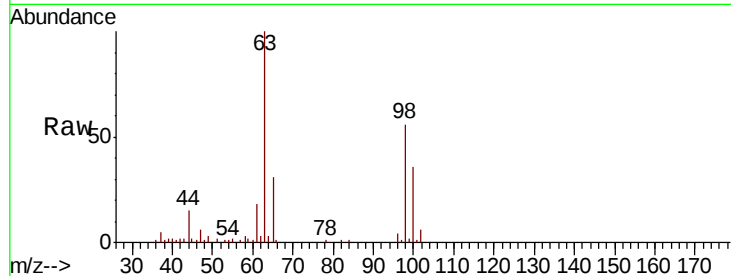




#12
 1,1-Dichloroethene
 Concen: 0.147 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: VV015577.D
 Acq: 20 Apr 2020 12:58

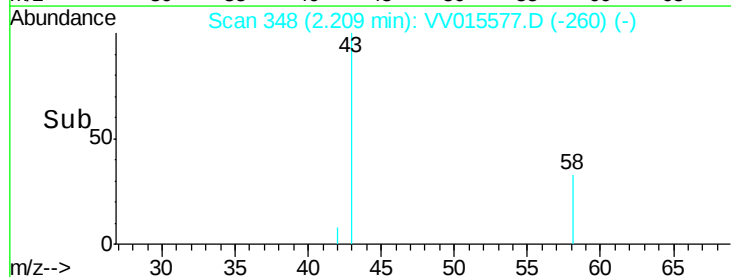
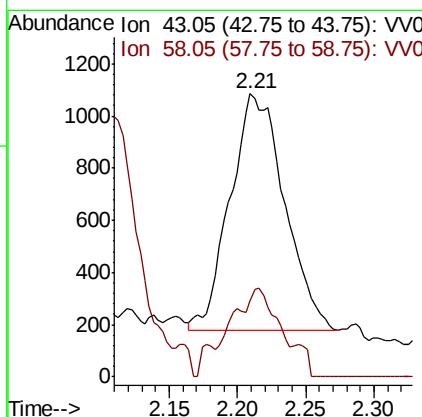
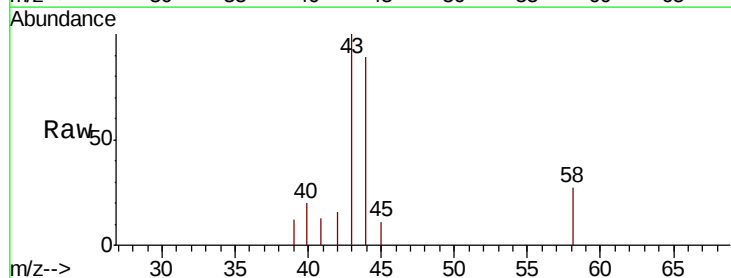
Instrument :
 MSVOA_V
 ClientSampled :

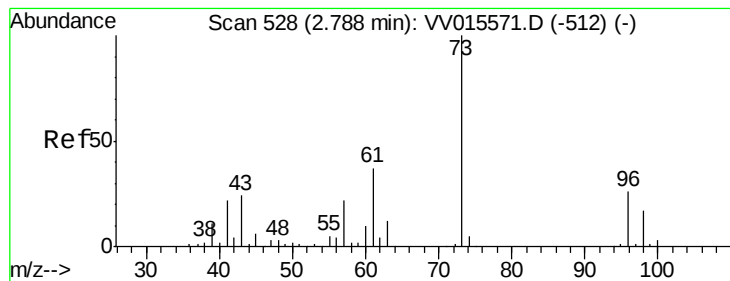
Tot Ion: 96 Resp: 878
 Ion Ratio Lower Upper
 96 100
 61 411.3 127.7 237.1#
 63 2253.6 75.1 139.5#



#13
 Acetone
 Concen: 2.564 ug/L
 RT: 2.21 min Scan# 348
 Delta R.T. -0.02 min
 Lab File: VV015577.D
 Acq: 20 Apr 2020 12:58

Tgt Ion: 43 Resp: 2516
 Ion Ratio Lower Upper
 43 100
 58 18.6 0.0 22.2



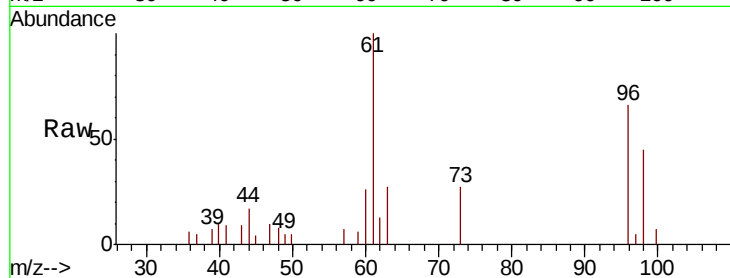


#17

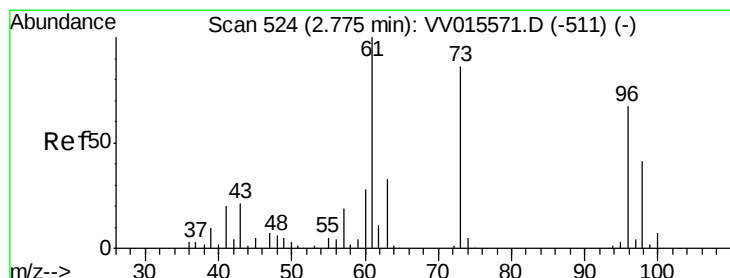
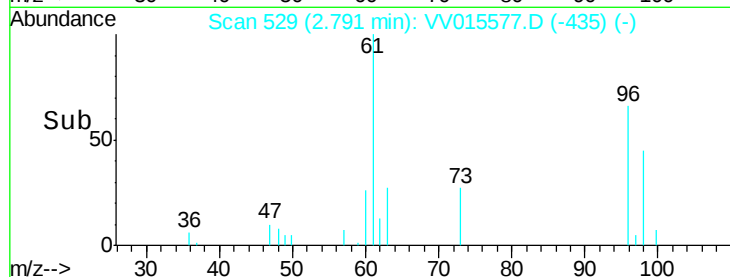
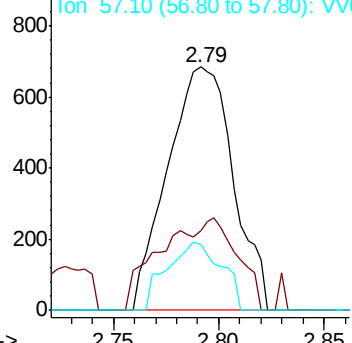
Methvl tert-butvl Ether
 Concen: 0.093 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV015577.D
 Acq: 20 Apr 2020 12:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 1486
 Ion Ratio Lower Upper
 73 100
 43 21.9 18.3 27.5
 57 23.1 18.4 27.6



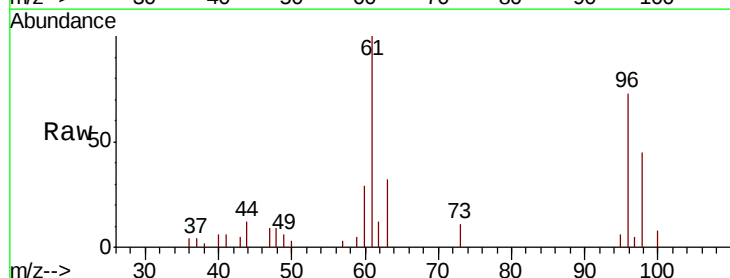
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



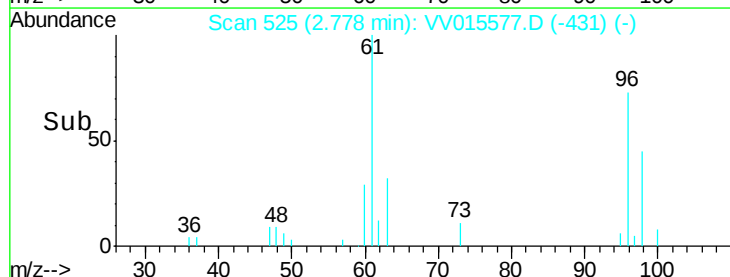
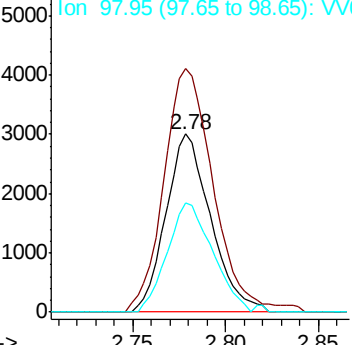
#18

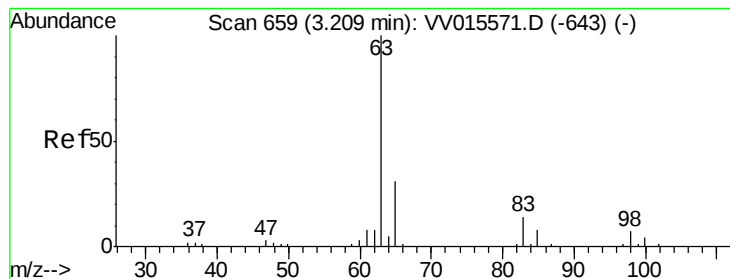
trans-1,2-Dichloroethene
 Concen: 0.748 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV015577.D
 Acq: 20 Apr 2020 12:58

Tgt Ion: 96 Resp: 5042
 Ion Ratio Lower Upper
 96 100
 61 136.6 104.4 194.0
 98 61.3 42.8 79.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 0.159 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015577.D

Acq: 20 Apr 2020 12:58

Instrument :

MSVOA_V

ClientSampleId :

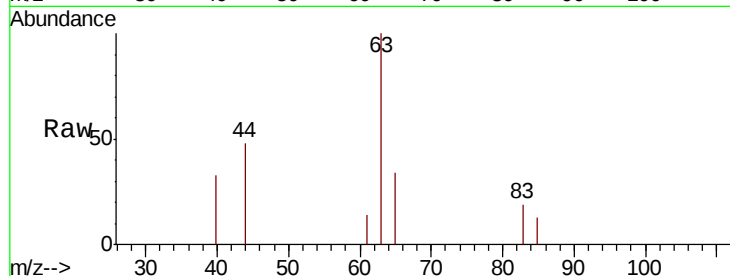
Tot Ion: 63 Resp: 2020

Ion Ratio Lower Upper

63 100

65 34.5 21.3 39.6

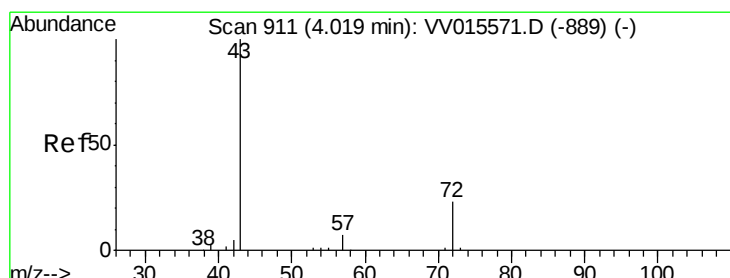
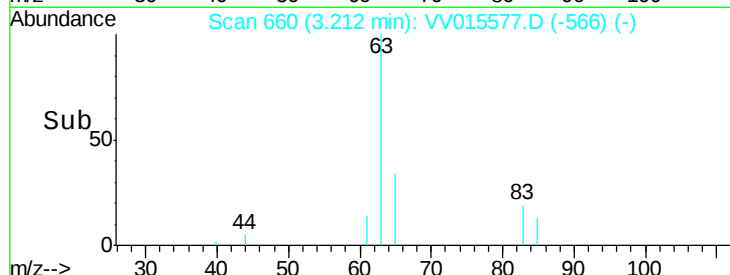
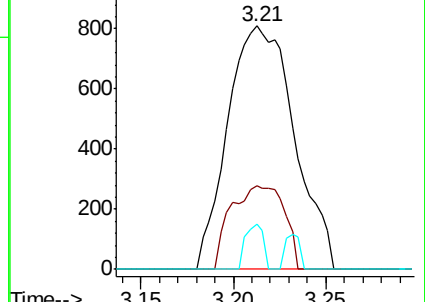
83 18.5 9.4 17.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 2.331 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.06 min

Lab File: VV015577.D

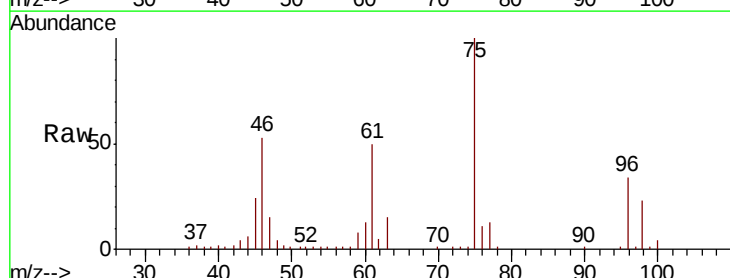
Acq: 20 Apr 2020 12:58

Tgt Ion: 43 Resp: 3697

Ion Ratio Lower Upper

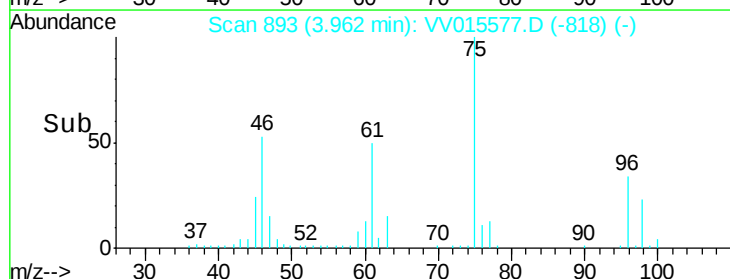
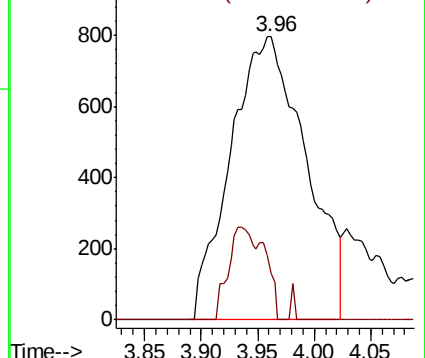
43 100

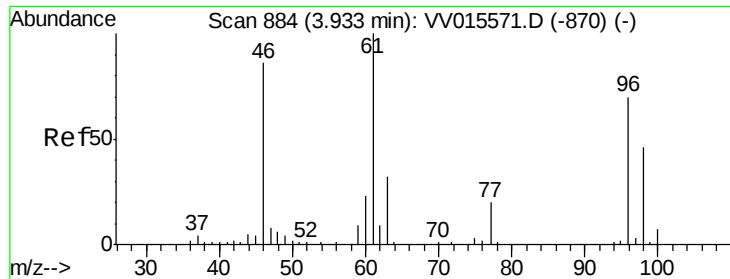
72 0.5 5.9 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



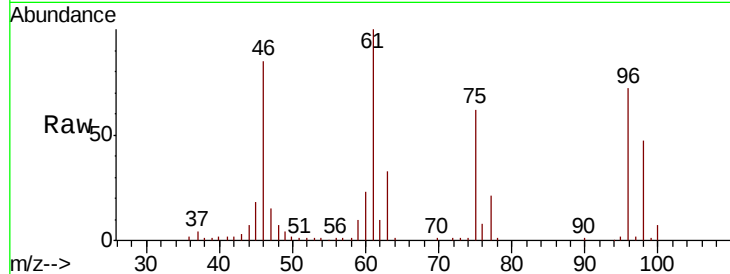


#22

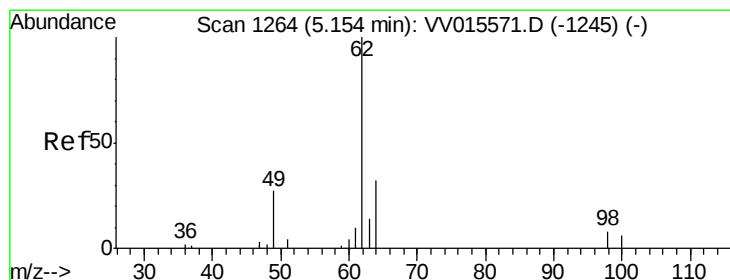
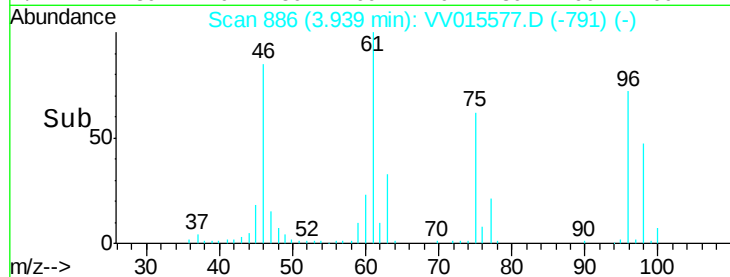
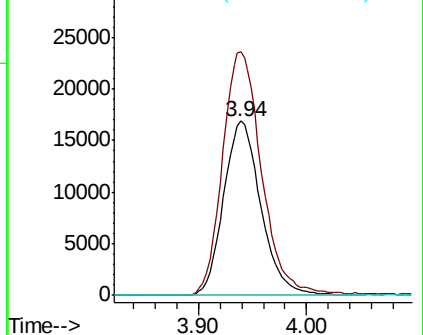
cis-1,2-Dichloroethene
 Concen: 5.796 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV015577.D
 Acq: 20 Apr 2020 12:58

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 40582
 Ion Ratio Lower Upper
 96 100
 61 139.8 100.0 185.8
 68 0.0 0.0 0.0



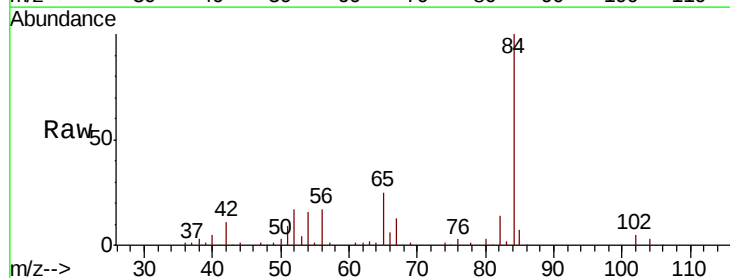
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



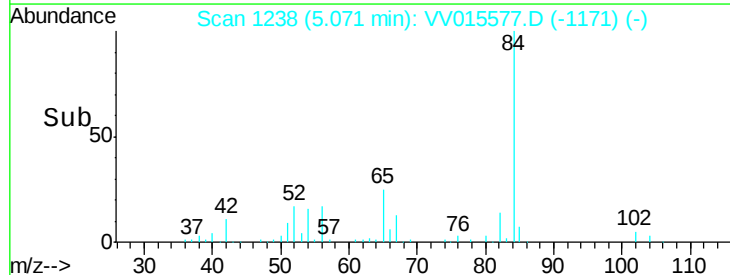
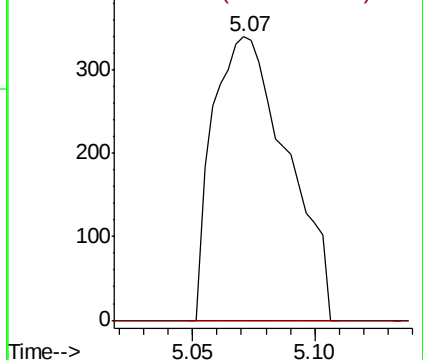
#27

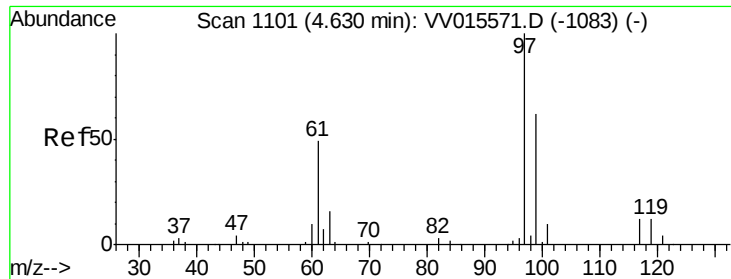
1,2-Dichloroethane
 Concen: 0.086 ug/L
 RT: 5.07 min Scan# 1238
 Delta R.T. -0.08 min
 Lab File: VV015577.D
 Acq: 20 Apr 2020 12:58

Tgt Ion: 62 Resp: 722
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.05 (97.75 to 98.75): VV0

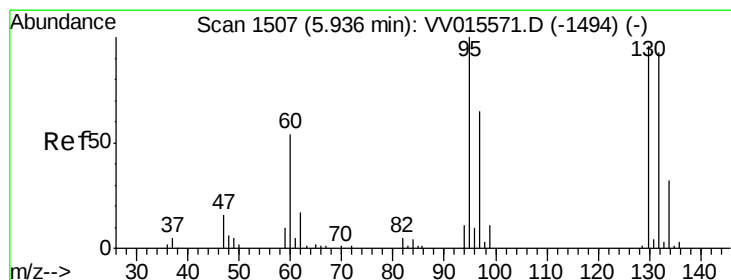
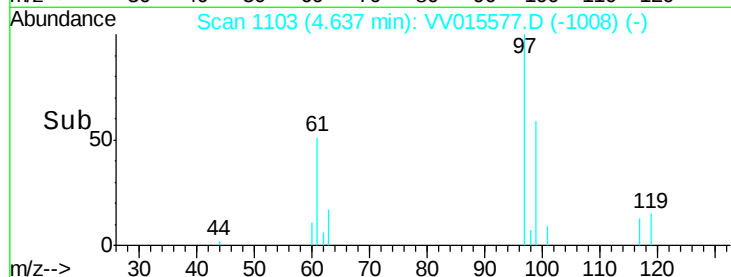
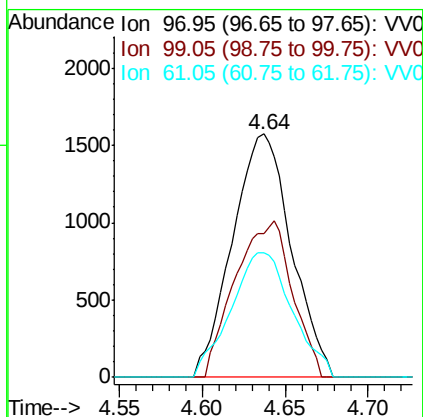
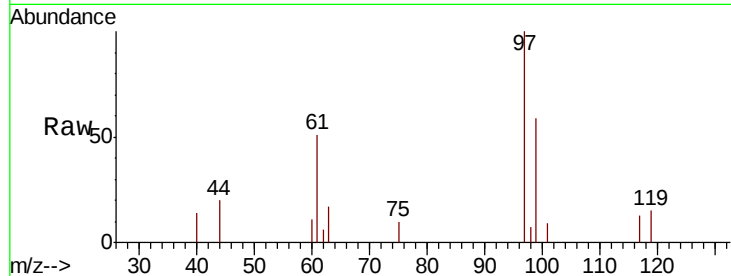




#29
1,1,1-Trichloroethane
Concen: 0.325 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VV015577.D
Acq: 20 Apr 2020 12:58

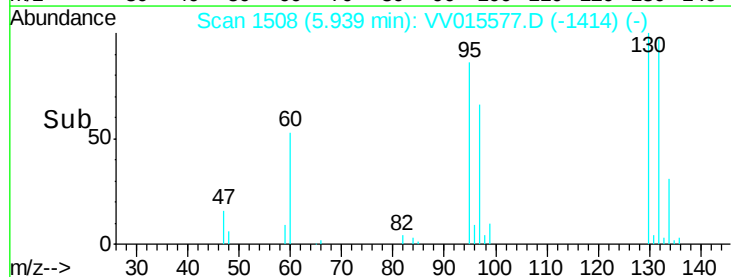
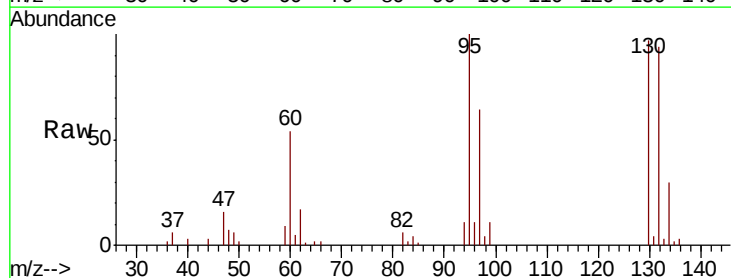
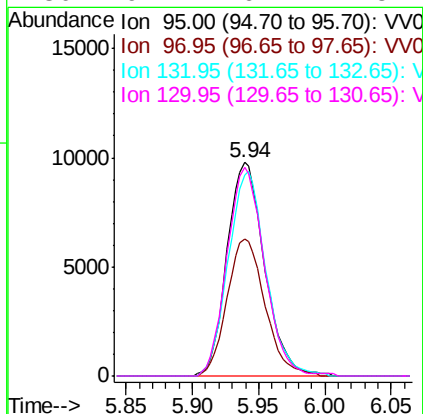
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ClientSampleId :

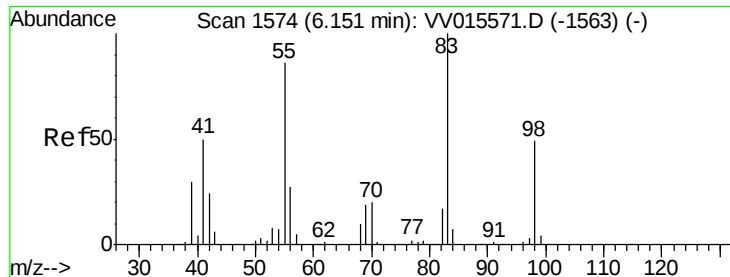
Tot Ion: 97 Resp: 3889
Ion Ratio Lower Upper
97 100
99 62.6 51.6 77.4
61 53.5 39.0 58.6



#34
Trichloroethene
Concen: 2.592 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV015577.D
Acq: 20 Apr 2020 12:58

Tgt Ion: 95 Resp: 19282
Ion Ratio Lower Upper
95 100
97 64.1 45.4 84.4
132 94.1 64.8 120.4
130 97.4 67.4 125.2

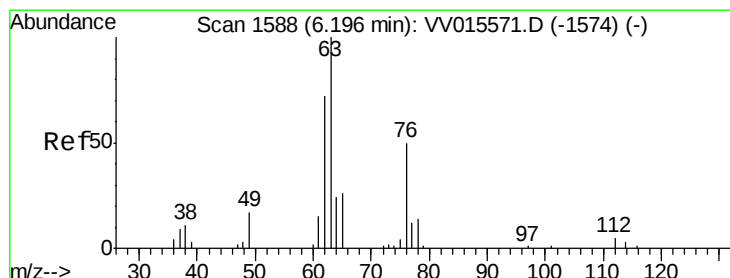
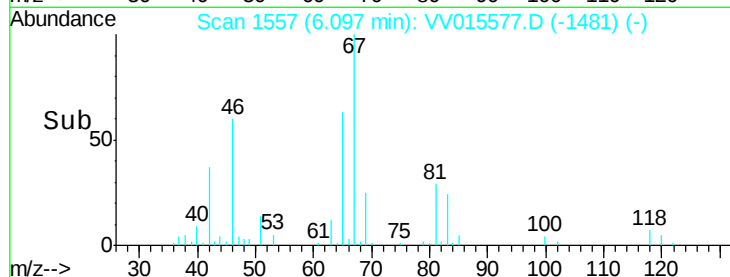
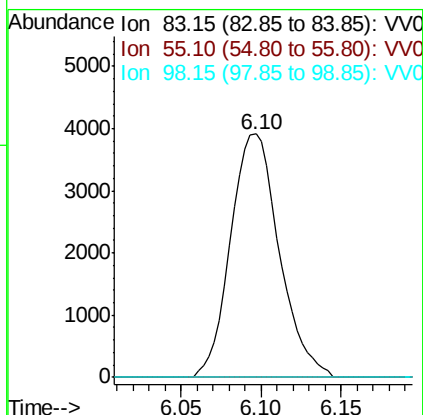
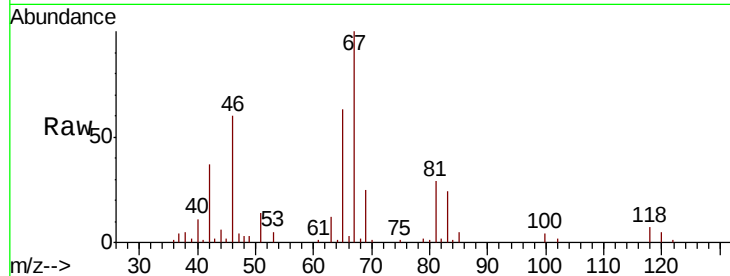




#35
Methvlcvclohexane
Concen: 0.649 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015577.D
Acq: 20 Apr 2020 12:58

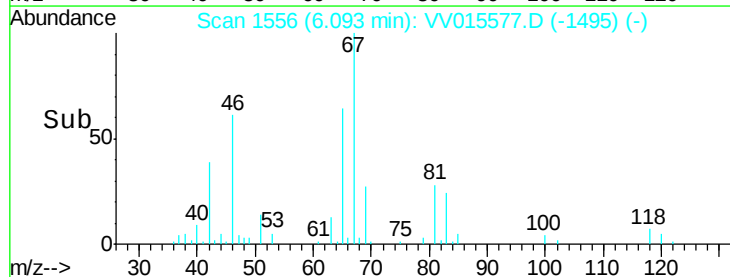
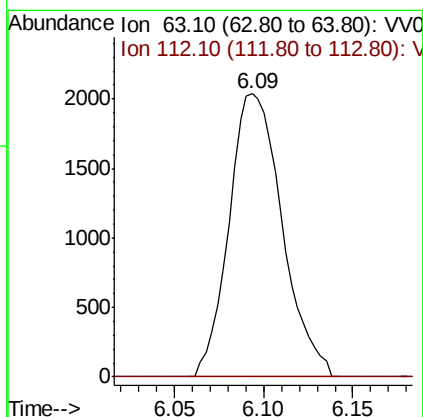
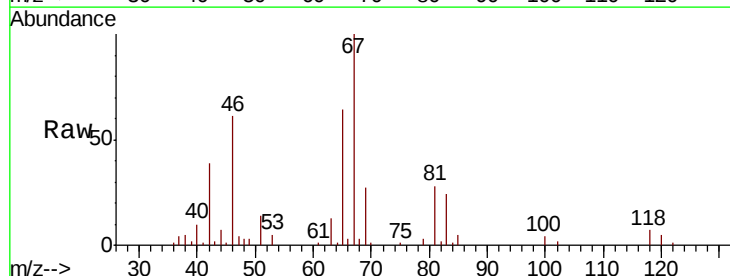
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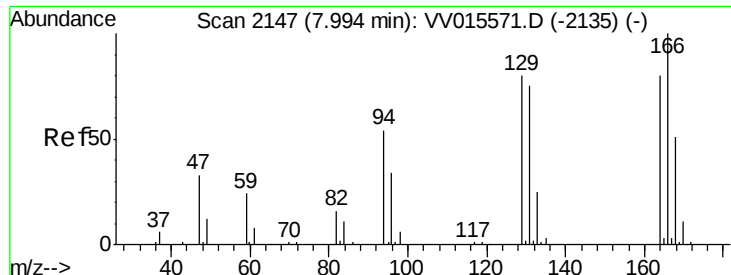
Tot Ion: 83 Resp: 8133
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 0.0 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 0.616 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015577.D
Acq: 20 Apr 2020 12:58

Tgt Ion: 63 Resp: 4222
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#

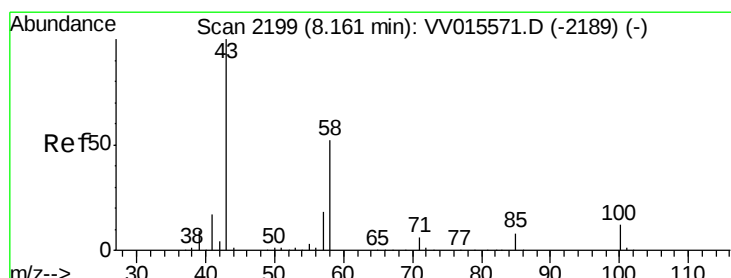
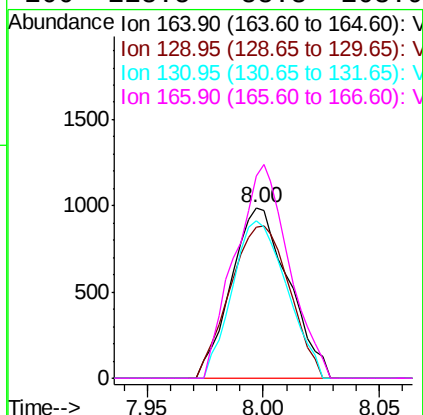
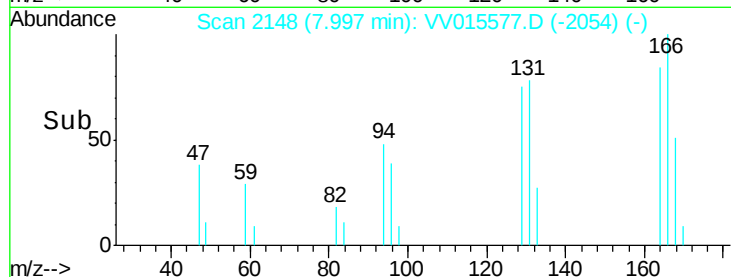
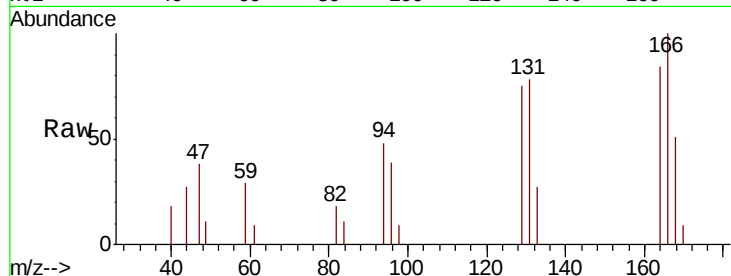




#47
Tetrachloroethene
Concen: 0.308 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV015577.D
Acq: 20 Apr 2020 12:58

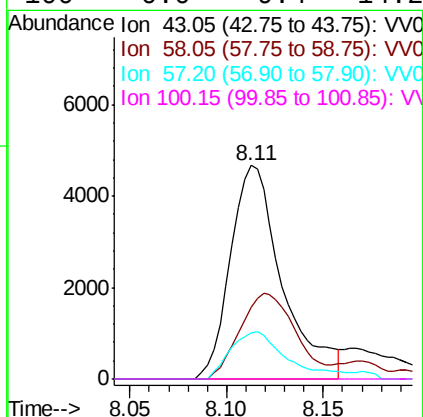
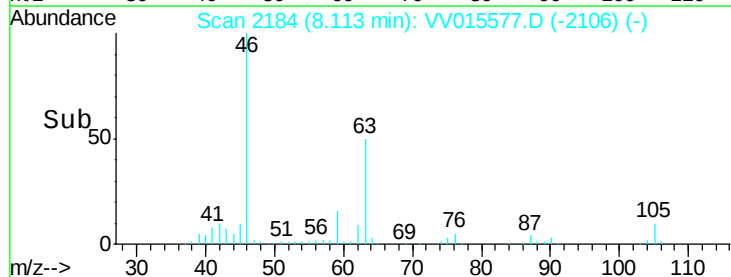
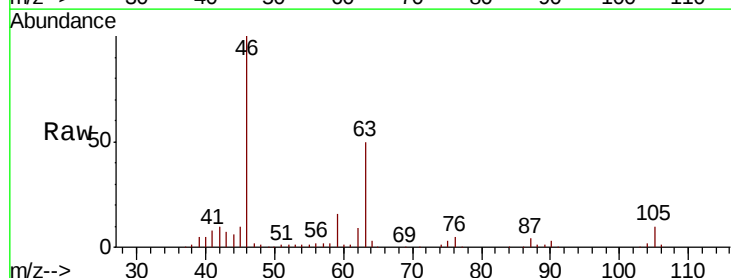
Instrument :
MSVOA_V
ClientSampleId :

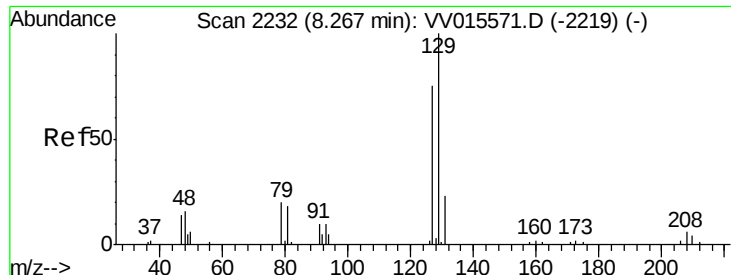
Tot Ion:164	Resp:	1699
Ion Ratio	Lower	Upper
164 100		
129 88.4	70.6	131.0
131 92.1	68.3	126.8
166 118.5	88.3	163.9



#48
2-Hexanone
Concen: 2.767 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV015577.D
Acq: 20 Apr 2020 12:58

Tgt	Ion: 43	Resp:	8700
Ion	Ratio	Lower	Upper
43	100		
58	43.3	41.4	62.0
57	24.0	15.0	22.4#
100	0.0	9.4	14.2#





#49

Dibromochloromethane

Concen: 0.281 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.27 min

Lab File: VV015577.D

Acq: 20 Apr 2020 12:58

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 1550

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#

