

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012820\
 Data File : VV014417.D
 Acq On : 28 Jan 2020 13:39
 Operator : SY/MD
 Sample : L1253-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AC5

Quant Time: Jan 29 09:11:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jan 29 05:25:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	856063	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	784192	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	375489	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.33	65	162605	2.72	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	54.40%
7) Chloroethane-d5	1.60	69	146241	3.16	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	63.20%#
11) 1,1-Dichloroethene-d2	2.14	63	224154	2.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.80%#
20) 2-Butanone-d5	4.04	46	270057	18.77	ug/L	0.12
Spiked Amount	50.000	Range	40 - 130	Recovery	=	37.54%#
24) Chloroform-d	4.41	84	340694	2.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	58.80%#
26) 1,2-Dichloroethane-d4	5.09	65	252919	4.36	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
32) Benzene-d6	5.10	84	1159009	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.13	67	369557	5.10	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.38	98	1020482	4.77	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.68	79	122950	3.83	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.60%
46) 2-Hexanone-d5	8.15	63	543732	40.01	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	240576	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	346982	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

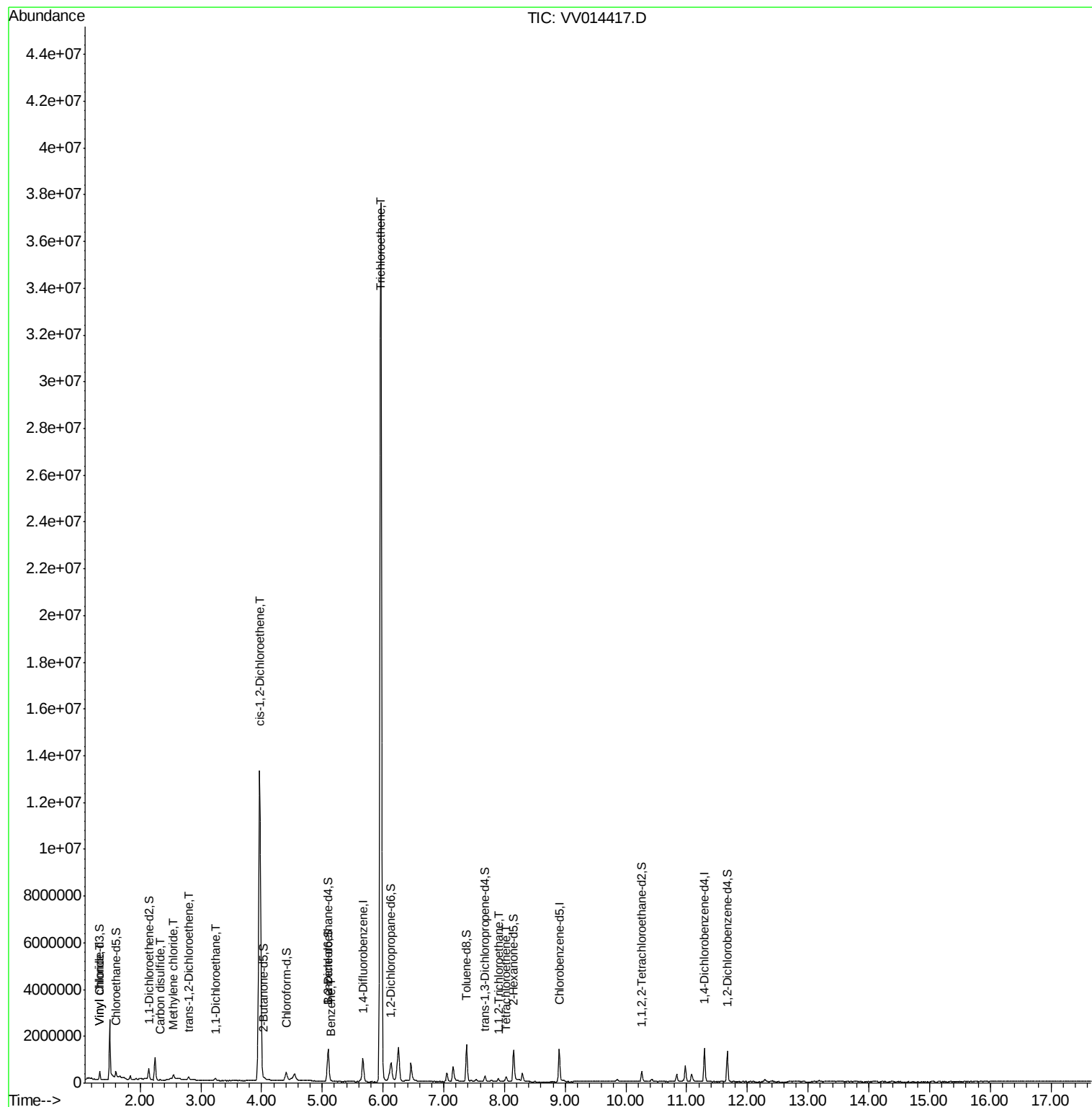
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.34	62	48660	0.812	ug/L	96
14) Carbon disulfide	2.33	76	58291	0.343	ug/L	98
16) Methylene chloride	2.55	84	71446	1.148	ug/L	92
18) trans-1,2-Dichloroethene	2.80	96	33492	0.583	ug/L	99
19) 1,1-Dichloroethane	3.24	63	92044	0.817	ug/L	93
22) cis-1,2-Dichloroethene	3.97	96	7363064	116.834	ug/L #	99
33) Benzene	5.15	78	31990	0.132	ug/L	100
34) Trichloroethene	5.96	95	13644792	219.856	ug/L	96
45) 1,1,2-Trichloroethane	7.90	97	35885	0.922	ug/L	98
47) Tetrachloroethene	8.03	164	46994	1.108	ug/L	96

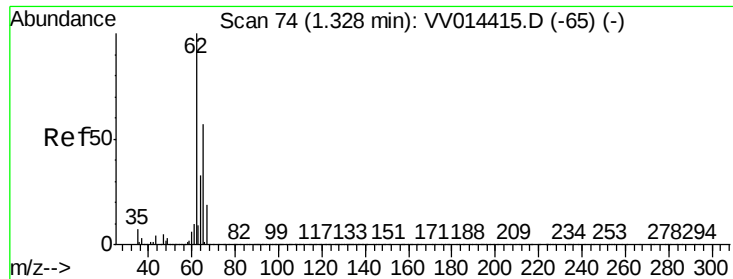
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.812 ug/L

RT: 1.34 min Scan# 77

Delta R.T. 0.01 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

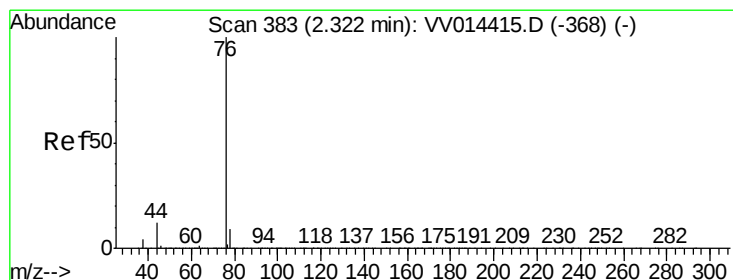
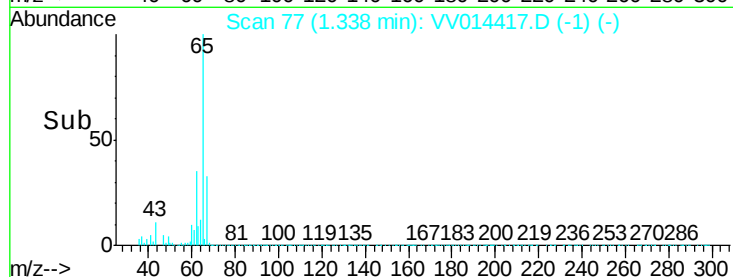
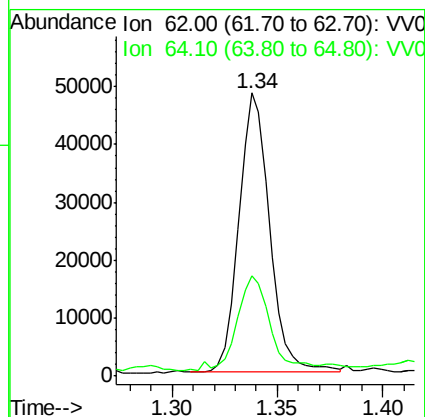
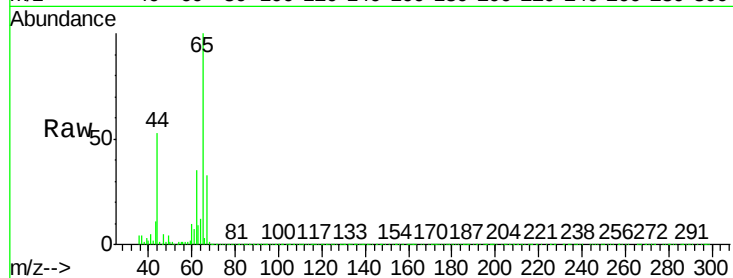
H0AC5

Tot Ion: 62 Resp: 48660

Ion Ratio Lower Upper

62 100

64 35.3 23.0 42.6



#14

Carbon disulfide

Concen: 0.343 ug/L

RT: 2.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VV014417.D

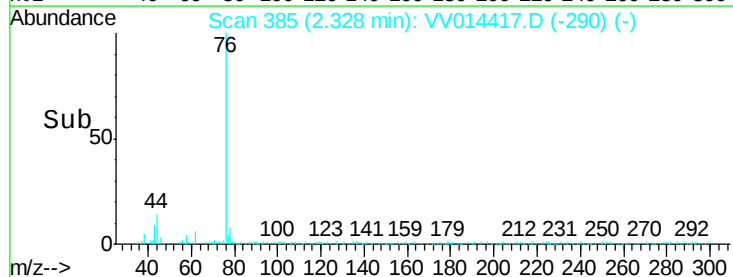
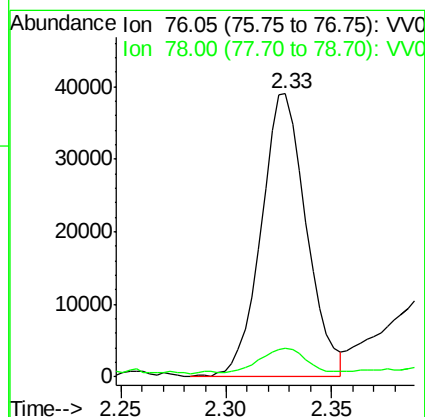
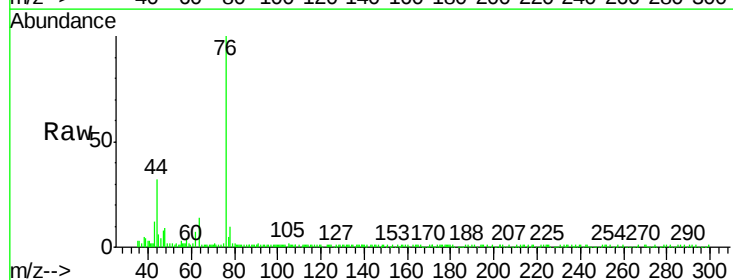
Acq: 28 Jan 2020 13:39

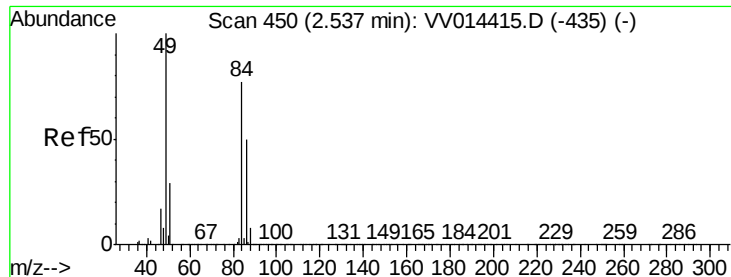
Tgt Ion: 76 Resp: 58291

Ion Ratio Lower Upper

76 100

78 10.0 7.5 11.3

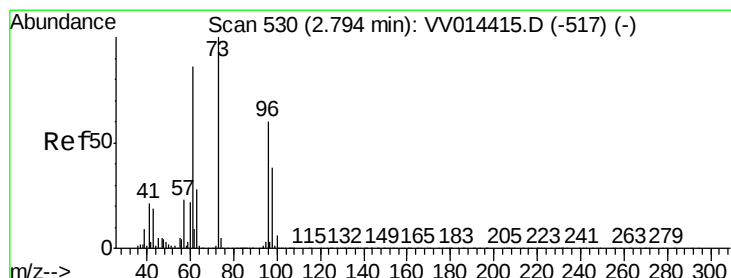
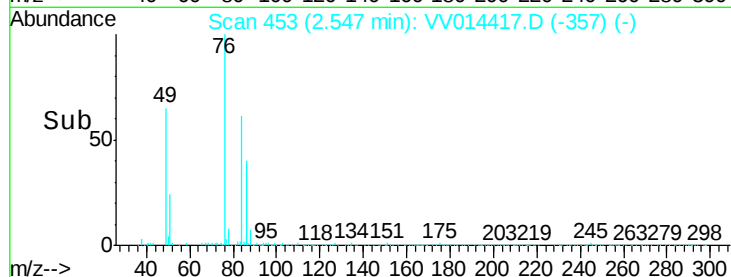
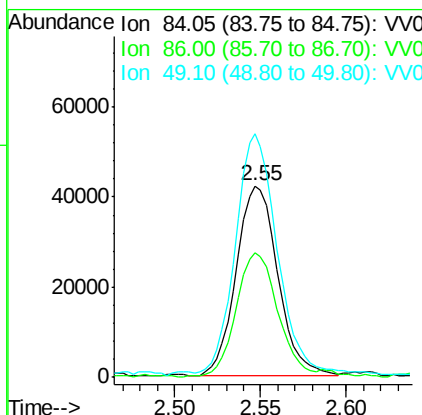
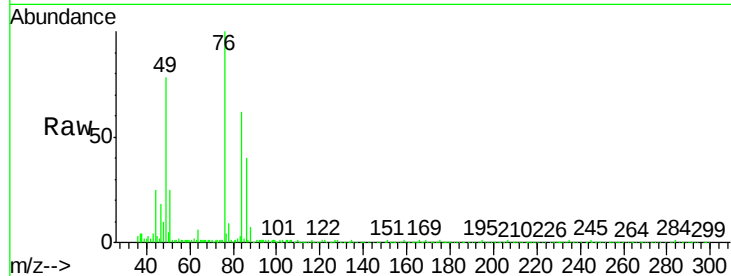




#16
Methvlene chloride
Concen: 1.148 ug/L
RT: 2.55 min Scan# 453
Delta R.T. 0.01 min
Lab File: VV014417.D
Acq: 28 Jan 2020 13:39

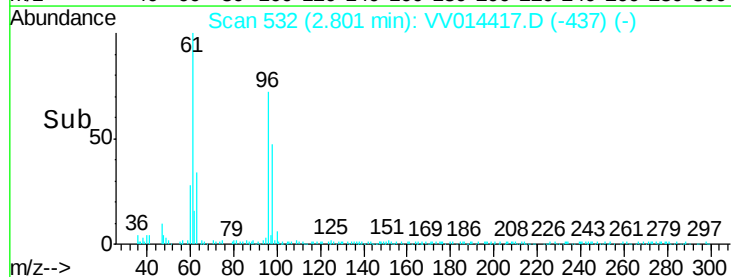
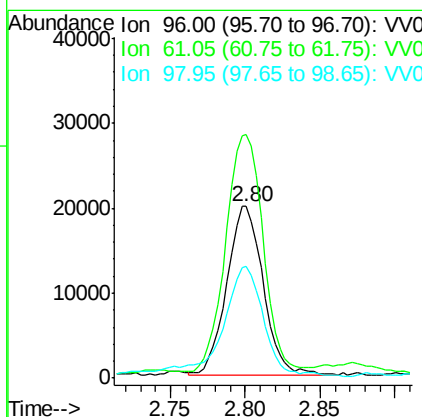
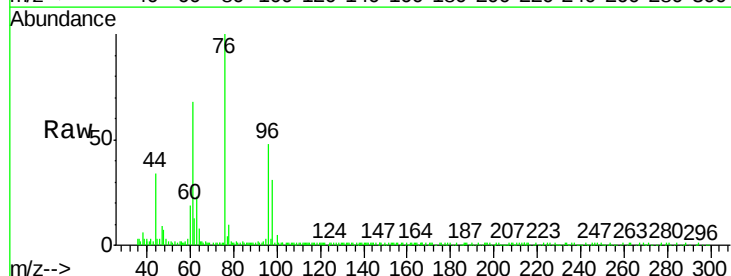
Instrument :
MSVOA_V
ClientSampleId :
H0AC5

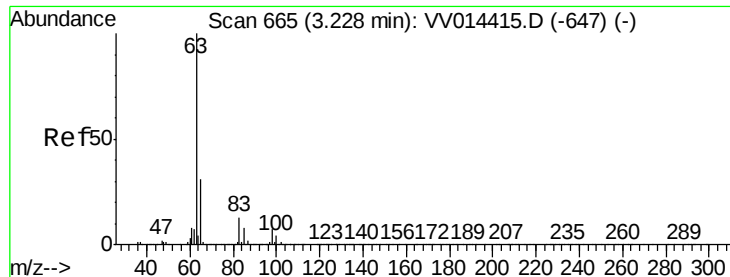
Tot Ion: 84 Resp: 71446
Ion Ratio Lower Upper
84 100
86 64.9 43.1 80.1
49 127.4 82.1 152.5



#18
trans-1,2-Dichloroethene
Concen: 0.583 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.01 min
Lab File: VV014417.D
Acq: 28 Jan 2020 13:39

Tgt Ion: 96 Resp: 33492
Ion Ratio Lower Upper
96 100
61 141.7 99.2 184.2
98 65.2 43.1 80.1

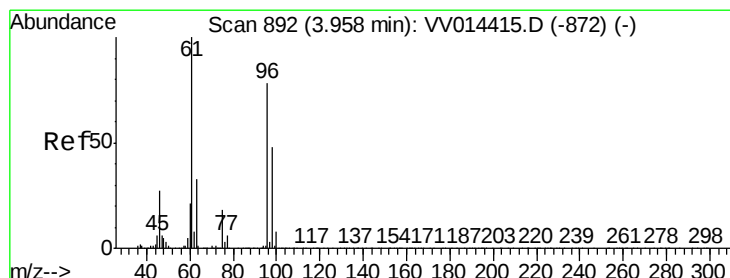
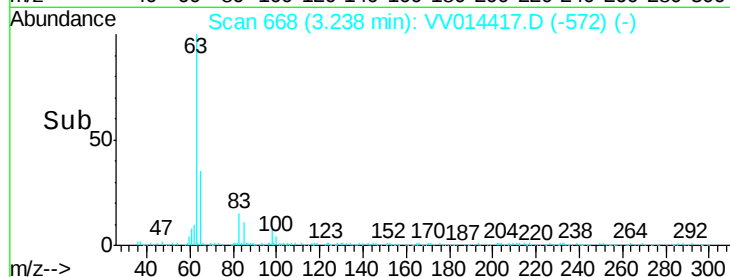
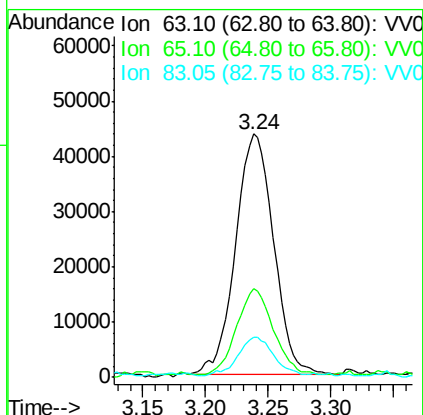
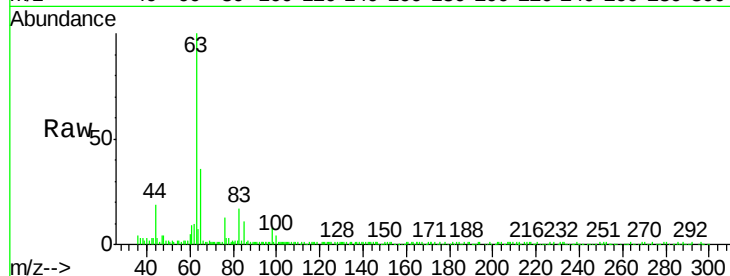




#19
 1,1-Dichloroethane
 Concen: 0.817 ug/L
 RT: 3.24 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VV014417.D
 Acq: 28 Jan 2020 13:39

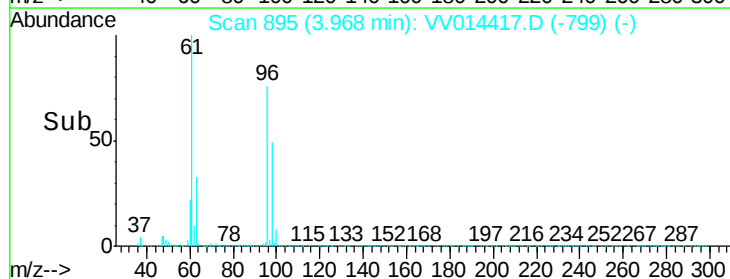
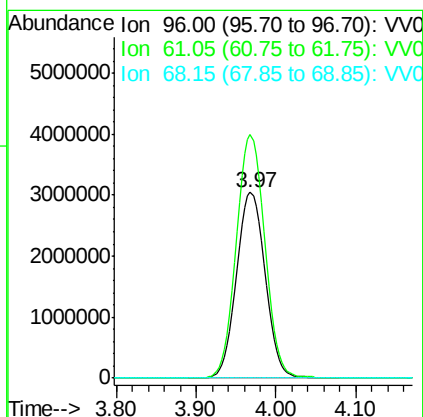
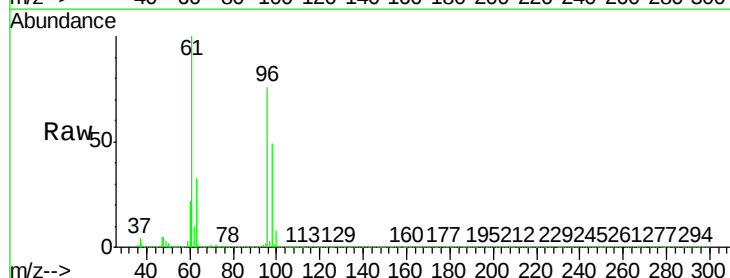
Instrument :
 MSVOA_V
 ClientSampleId :
 H0AC5

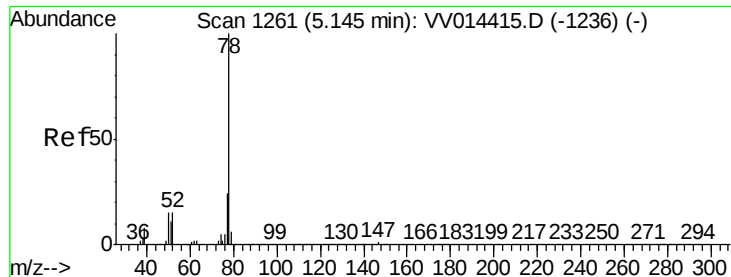
Tot Ion	Ratio	Lower	Upper
63	100		
65	36.5	22.7	42.3
83	16.7	10.0	18.6



#22
 cis-1,2-Dichloroethene
 Concen: 116.834 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV014417.D
 Acq: 28 Jan 2020 13:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.1	90.6	168.3
68	0.0	0.3	0.7#





#33

Benzene

Concen: 0.132 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

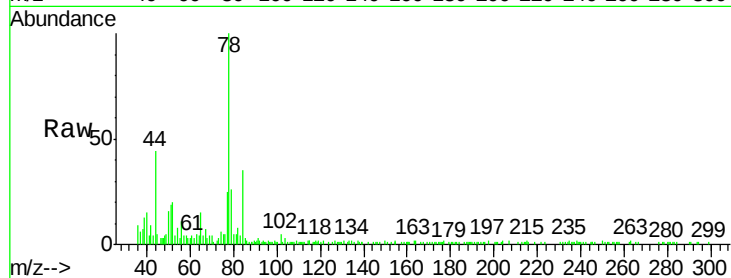
Instrument :

MSVOA_V

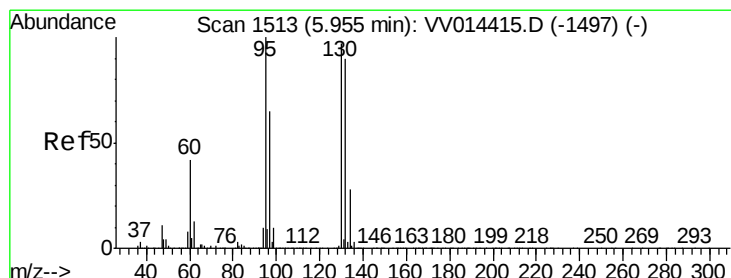
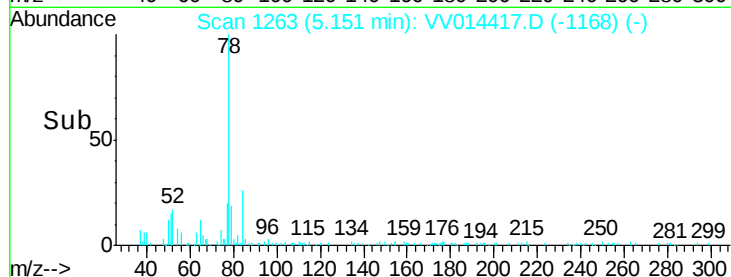
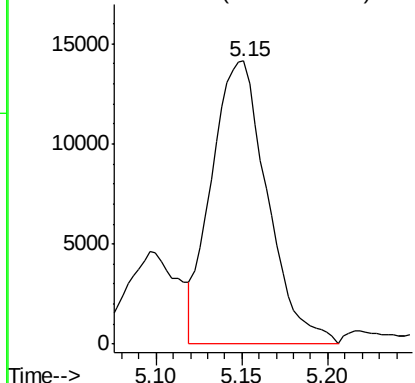
ClientSampleId :

H0AC5

Tgt Ion: 78 Resp: 31990



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 219.856 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

Tgt Ion: 95 Resp: 13644792

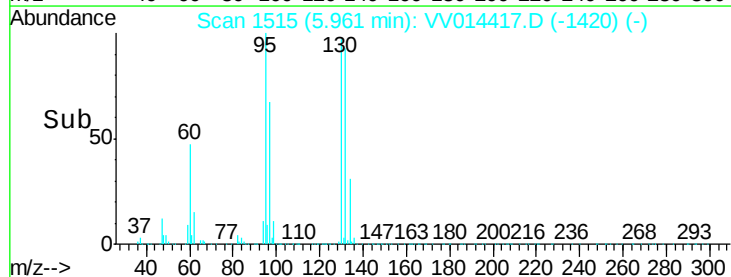
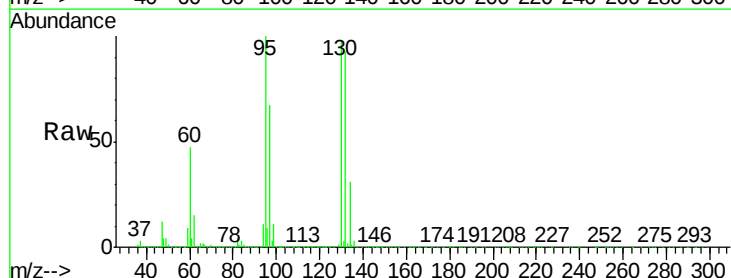
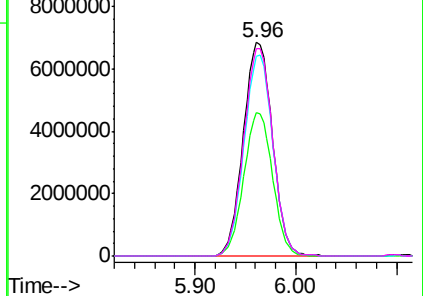
Ion	Ratio	Lower	Upper
95	100		
97	67.0	43.8	81.3
132	93.3	63.4	117.8
130	96.9	65.7	122.1

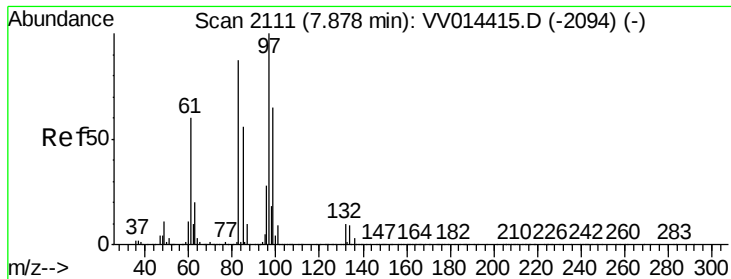
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





#45

1,1,2-Trichloroethane

Concen: 0.922 ug/L

RT: 7.90 min Scan# 2117

Delta R.T. 0.02 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

Instrument :
MSVOA_V
ClientSampleId :
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Tot Ion: 97 Resp: 35885

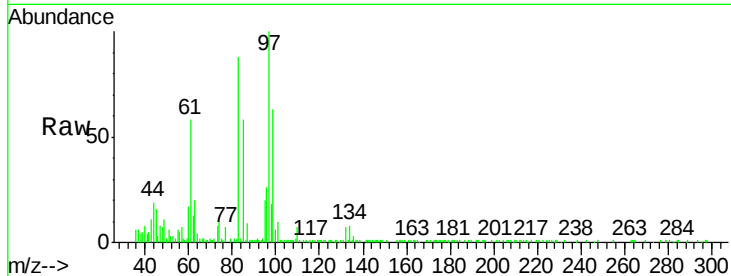
Ion Ratio Lower Upper

97 100

99 62.5 43.7 81.1

83 87.6 60.0 111.4

85 58.4 39.2 72.8

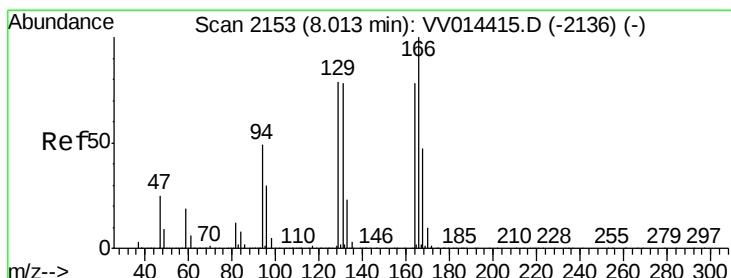
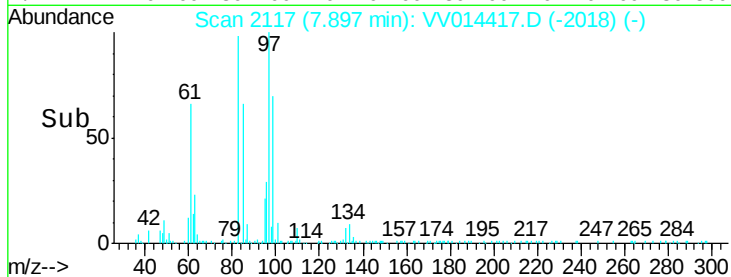
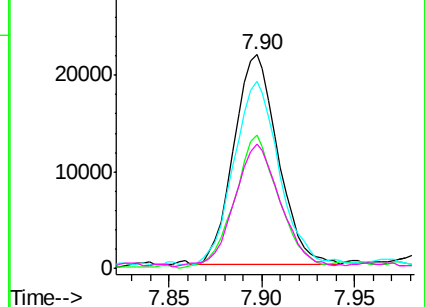


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 1.108 ug/L

RT: 8.03 min Scan# 2158

Delta R.T. 0.02 min

Lab File: VV014417.D

Acq: 28 Jan 2020 13:39

Tgt Ion: 164 Resp: 46994

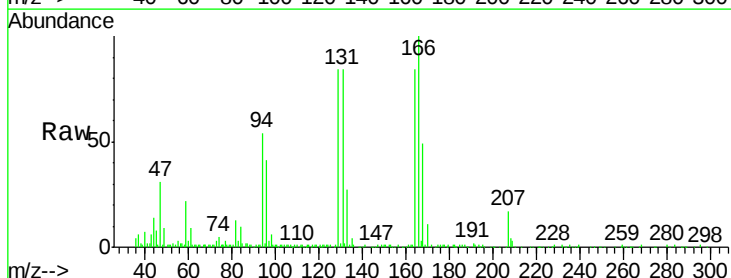
Ion Ratio Lower Upper

164 100

129 100.3 71.7 133.3

131 100.9 70.4 130.8

166 119.4 90.3 167.7



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

