

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102519\
 Data File : VV013324.D
 Acq On : 24 Oct 2019 19:46
 Operator : SY/MD
 Sample : K5457-05DL 4X
 Misc : 25.0ML/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0K10DL

Quant Time: Oct 26 01:55:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 26 00:57:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	421506	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	439890	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	231869	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	141027	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.58	69	124978	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.13	63	318179	5.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.00%
20) 2-Butanone-d5	3.96	46	379373	63.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.14%
24) Chloroform-d	4.40	84	354665	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.08	65	171680	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.10	84	716805	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.12	67	220448	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.36	98	593479	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.66	79	72873	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.13	63	236378	40.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	151022	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	250696	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

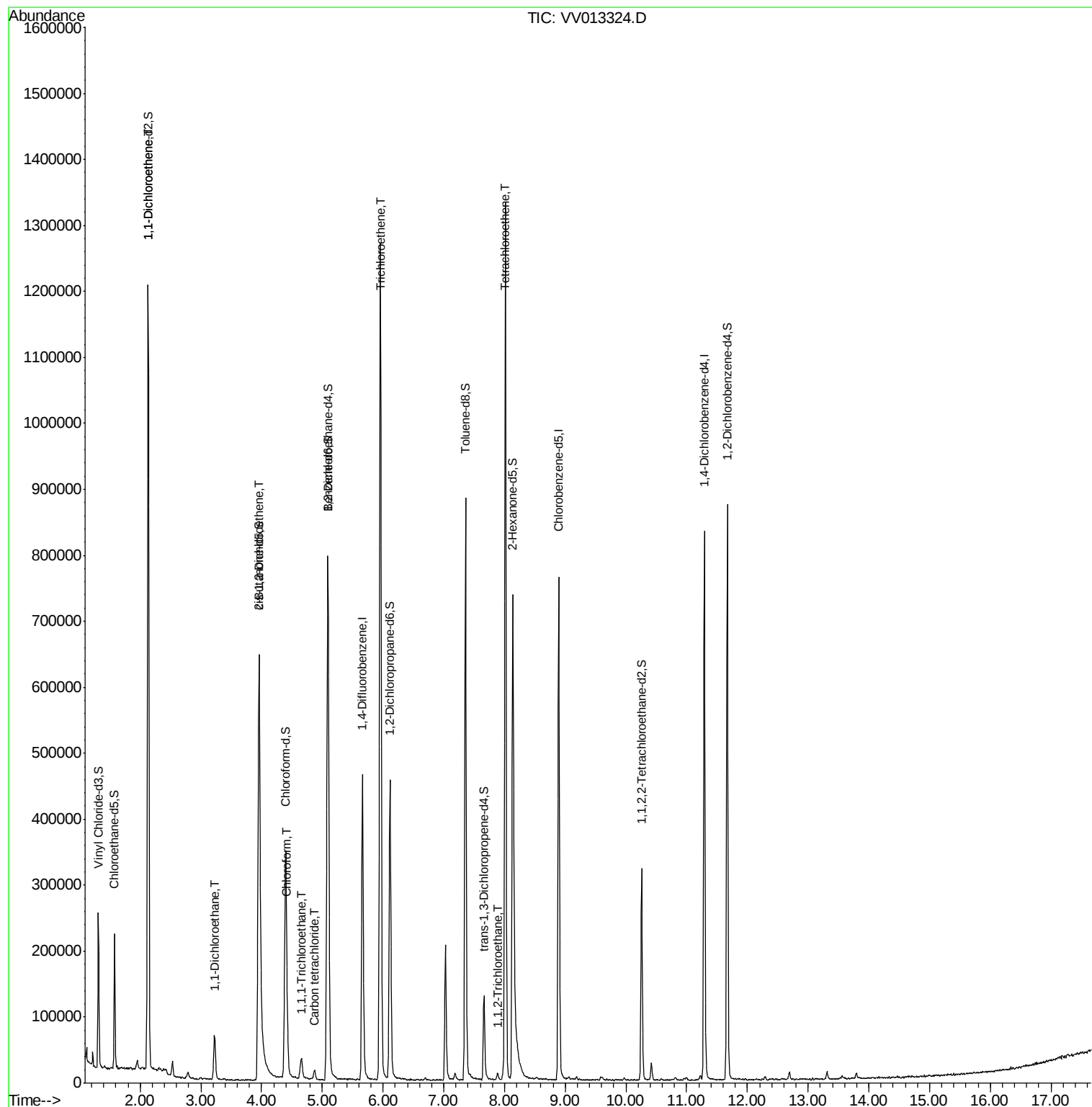
					Ovalue
12) 1,1-Dichloroethene	2.14	96	314836	9.500 ug/L	90
19) 1,1-Dichloroethane	3.23	63	67250	1.059 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	291853	6.980 ug/L #	92
25) Chloroform	4.42	83	23251	0.281 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	23742	0.365 ug/L	95
31) Carbon tetrachloride	4.87	117	10342	0.177 ug/L	96
34) Trichloroethene	5.95	95	431427	9.572 ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	3112	0.109 ug/L	86
47) Tetrachloroethene	8.02	164	328753	8.032 ug/L	97

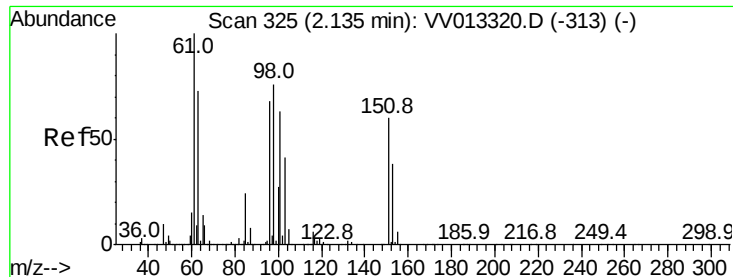
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 9.500 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

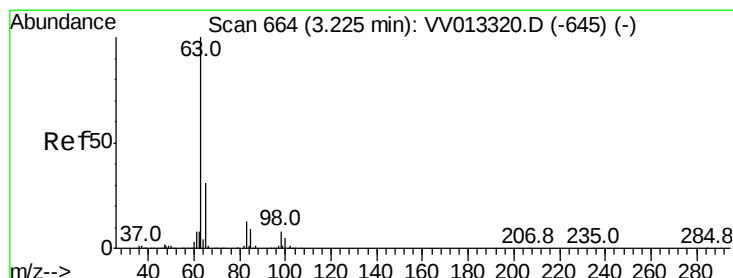
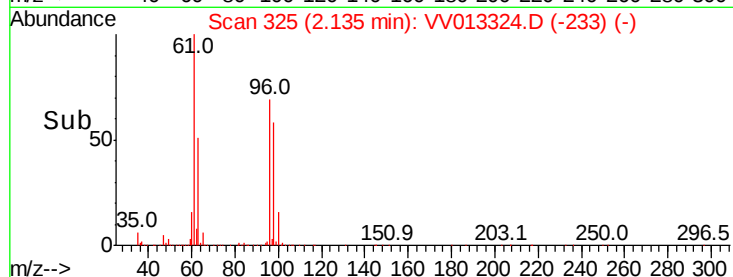
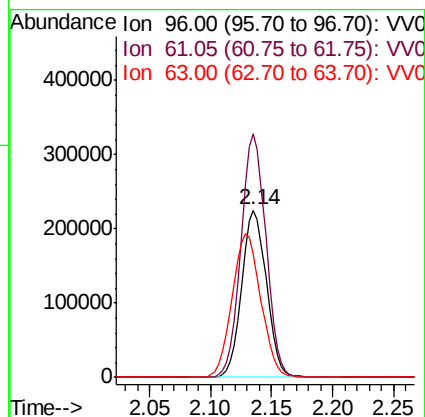
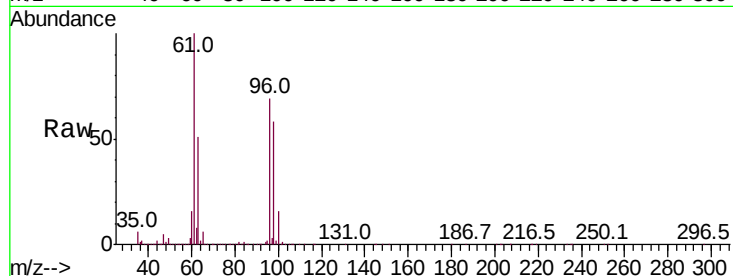
Lab File: VV013324.D

Acq: 24 Oct 2019 19:46

Instrument :
MSVOA_V
ClientSampleId :
C0K10DL

Tot Ion: 96 Resp: 314836

Ion	Ratio	Lower	Upper
96	100		
61	145.6	104.0	193.1
63	74.1	67.1	124.5



#19

1,1-Dichloroethane

Concen: 1.059 ug/L

RT: 3.23 min Scan# 664

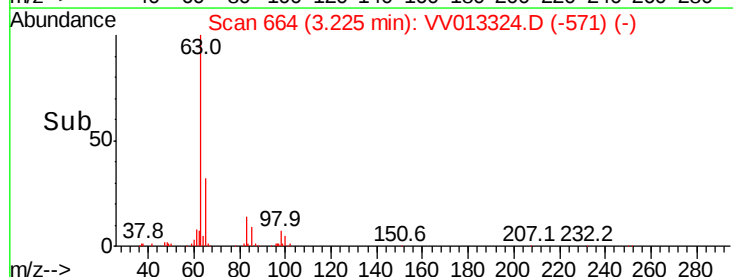
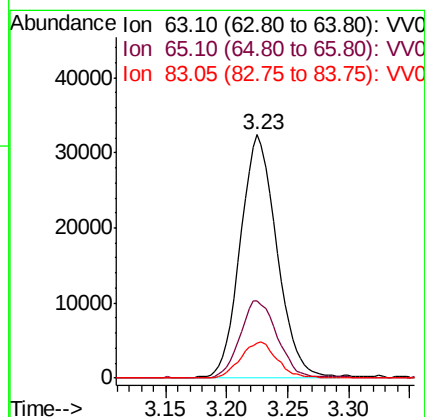
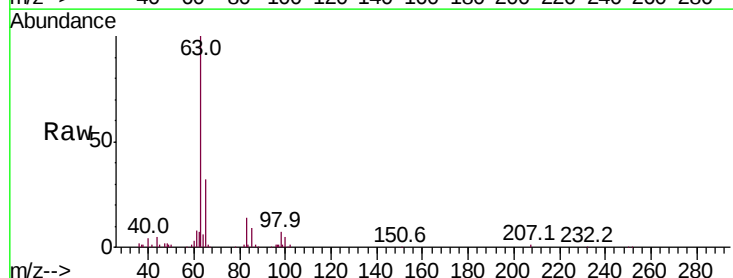
Delta R.T. -0.00 min

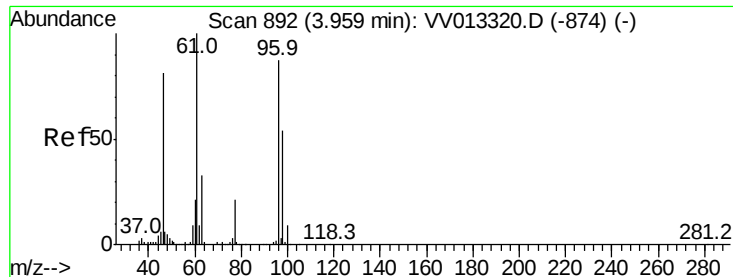
Lab File: VV013324.D

Acq: 24 Oct 2019 19:46

Tgt Ion: 63 Resp: 67250

Ion	Ratio	Lower	Upper
63	100		
65	31.9	23.0	42.8
83	14.2	10.2	19.0





#22

cis-1,2-Dichloroethene

Concen: 6.980 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV013324.D

Acq: 24 Oct 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

C0K10DL

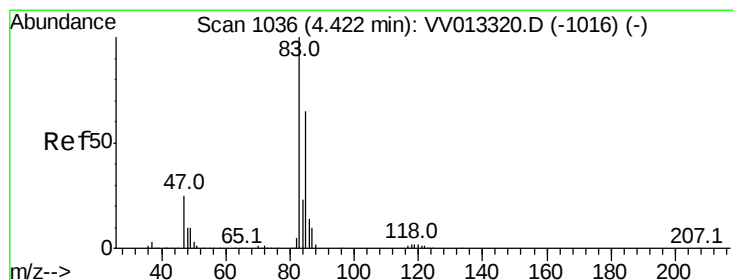
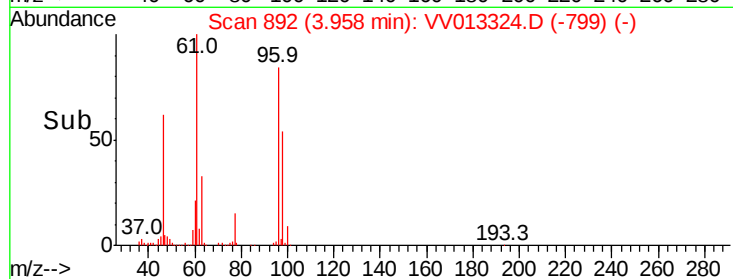
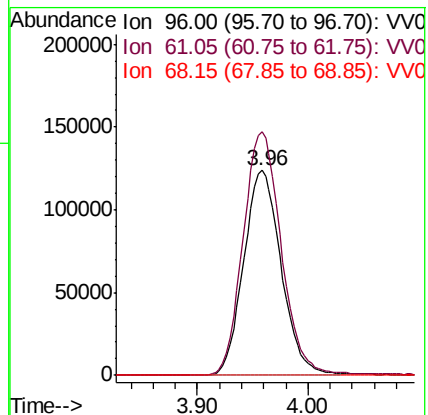
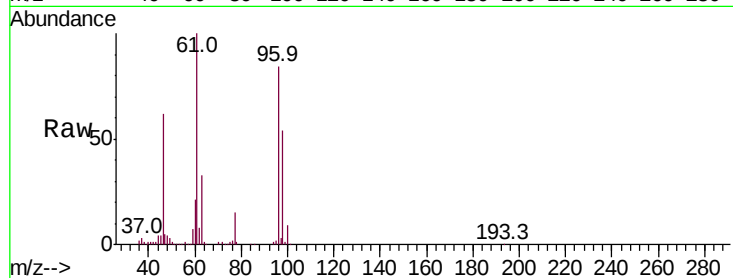
Tot Ion: 96 Resp: 291853

Ion Ratio Lower Upper

96 100

61 118.7 77.3 143.7

68 0.0 0.1 0.1#



#25

Chloroform

Concen: 0.281 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013324.D

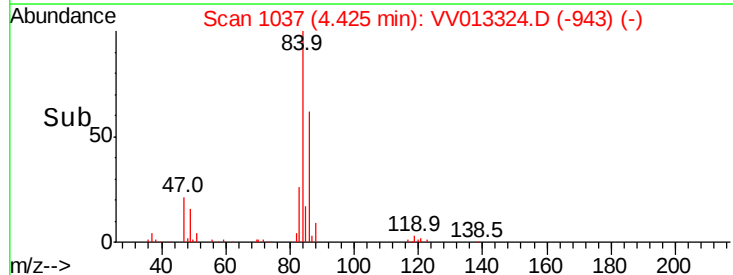
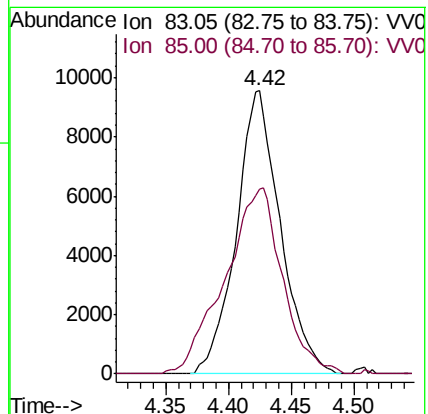
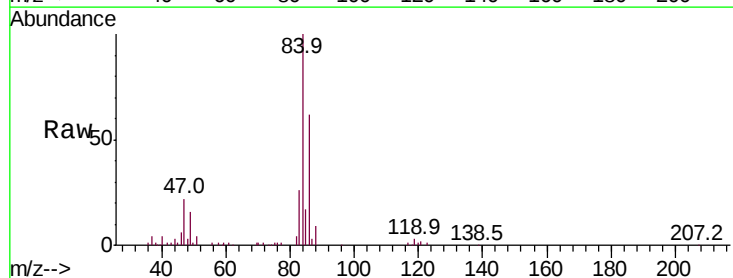
Acq: 24 Oct 2019 19:46

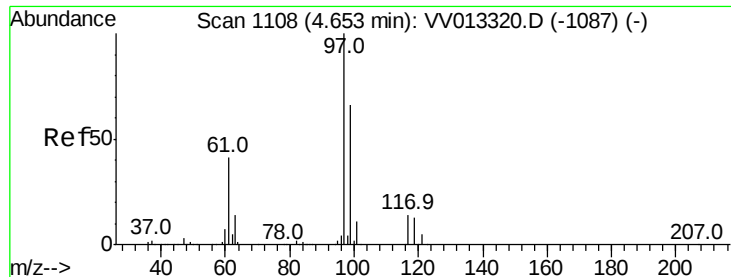
Tgt Ion: 83 Resp: 23251

Ion Ratio Lower Upper

83 100

85 65.1 45.7 84.9

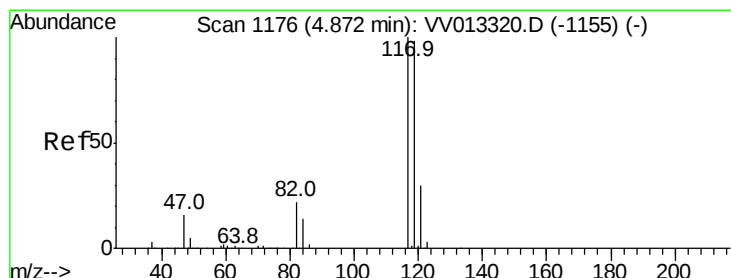
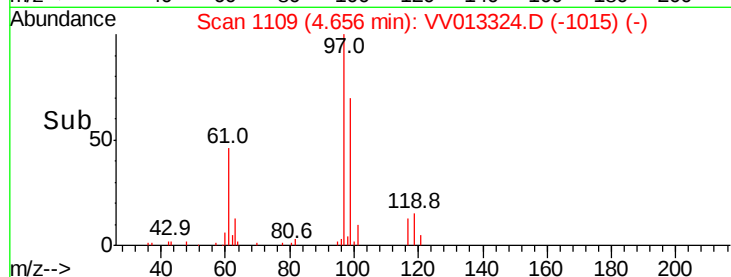
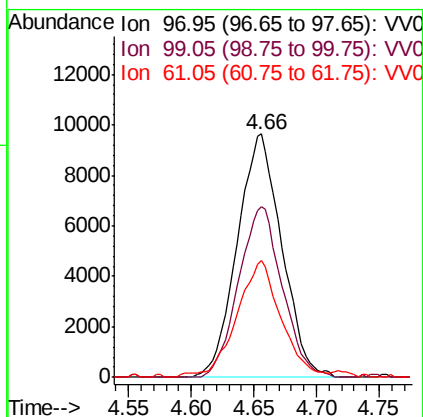
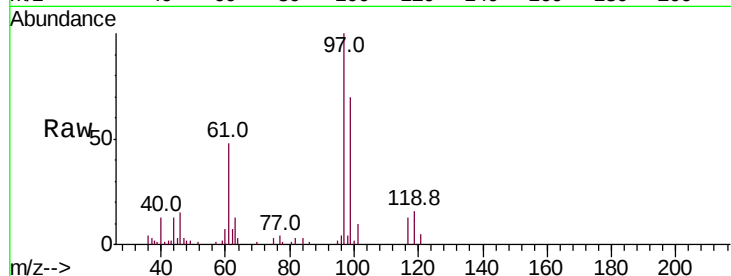




#29
 1,1,1-Trichloroethane
 Concen: 0.365 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV013324.D
 Acq: 24 Oct 2019 19:46

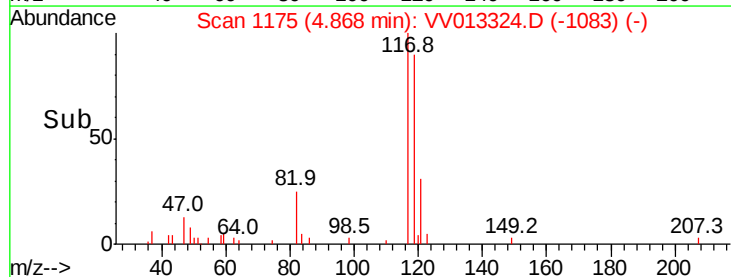
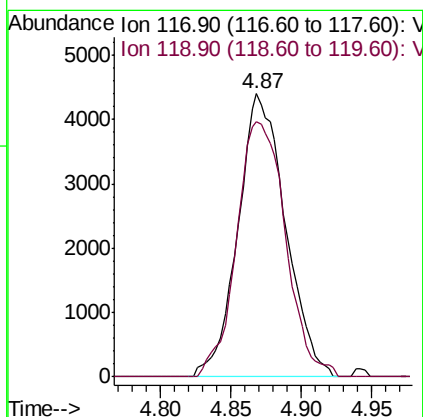
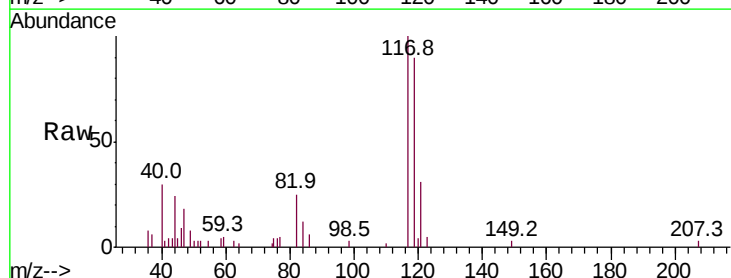
Instrument :
 MSVOA_V
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 C0K10DL

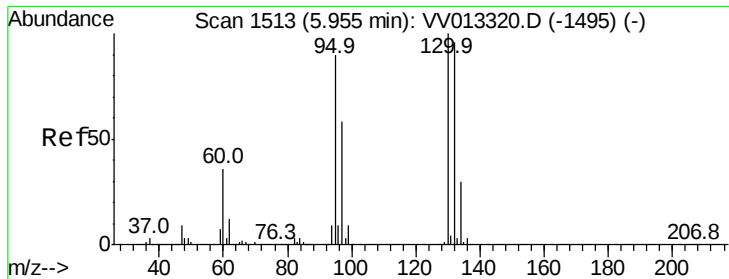
Tot Ion: 97 Resp: 23742
 Ion Ratio Lower Upper
 97 100
 99 69.0 51.7 77.5
 61 45.1 34.3 51.5



#31
 Carbon tetrachloride
 Concen: 0.177 ug/L
 RT: 4.87 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VV013324.D
 Acq: 24 Oct 2019 19:46

Tgt Ion: 117 Resp: 10342
 Ion Ratio Lower Upper
 117 100
 119 93.0 77.4 116.0





#34

Trichloroethene

Concen: 9.572 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013324.D

Acq: 24 Oct 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

C0K10DL

Tot Ion: 95 Resp: 431427

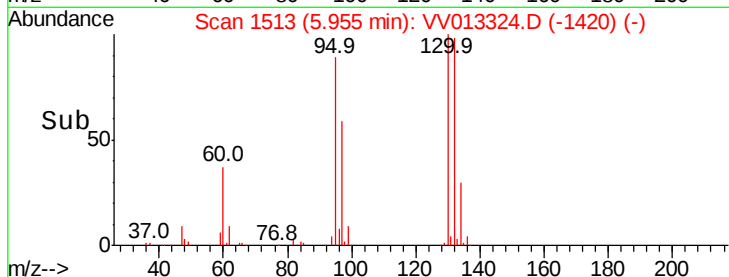
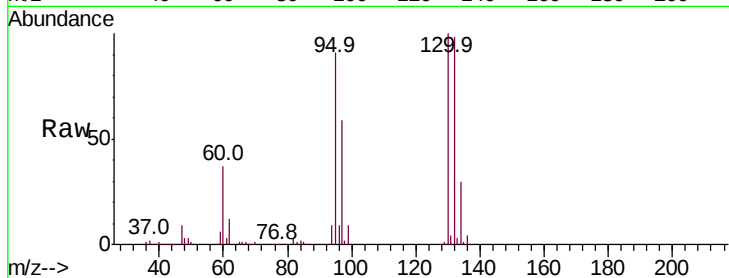
Ion Ratio Lower Upper

95 100

97 64.8 45.2 84.0

132 107.1 70.6 131.2

130 109.6 75.5 140.3

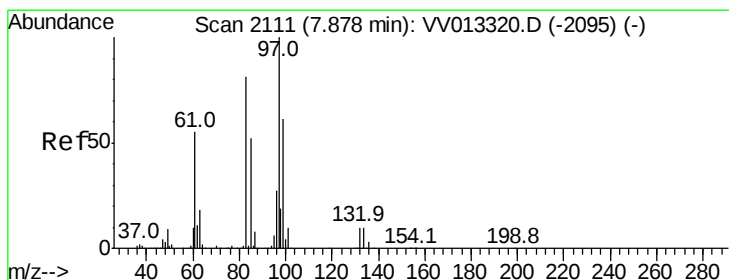
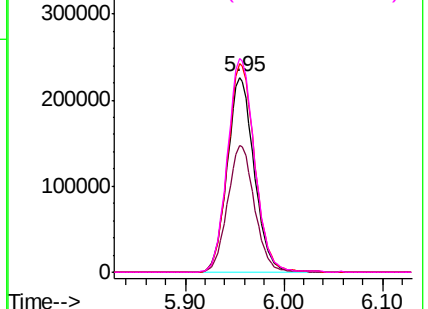


Abundance Ion 95.00 (94.70 to 95.70): VV013324.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV013324.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV013324.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV013324.D (-1420) (-)



#45

1,1,2-Trichloroethane

Concen: 0.109 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VV013324.D

Acq: 24 Oct 2019 19:46

Tgt Ion: 97 Resp: 3112

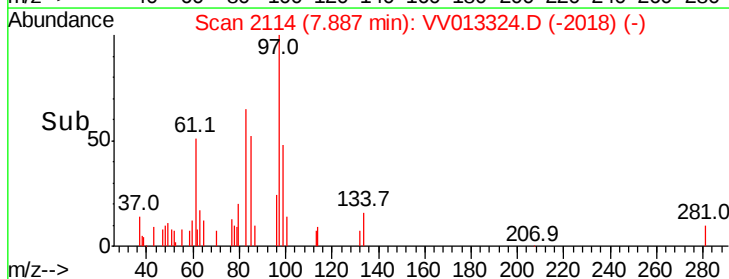
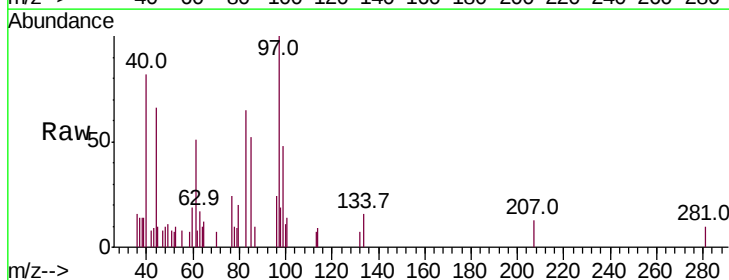
Ion Ratio Lower Upper

97 100

99 47.7 42.2 78.4

83 64.6 58.4 108.4

85 52.0 37.0 68.6

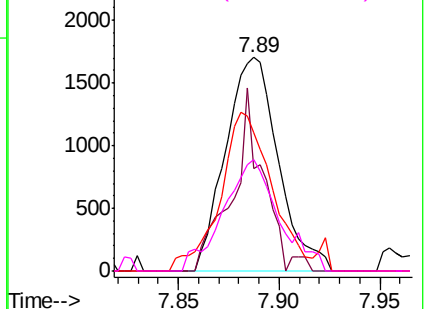


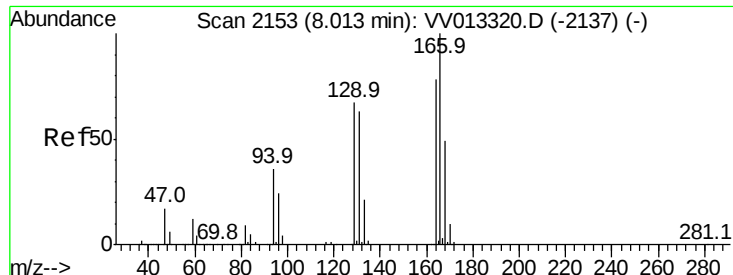
Abundance Ion 96.95 (96.65 to 97.65): VV013324.D (-2018) (-)

Ion 99.05 (98.75 to 99.75): VV013324.D (-2018) (-)

Ion 82.95 (82.65 to 83.65): VV013324.D (-2018) (-)

Ion 85.00 (84.70 to 85.70): VV013324.D (-2018) (-)





#47

Tetrachloroethene

Concen: 8.032 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013324.D

Acq: 24 Oct 2019 19:46

Instrument :

MSVOA_V

ClientSampleId :

C0K10DL

Tot Ion:164 Resp: 328753

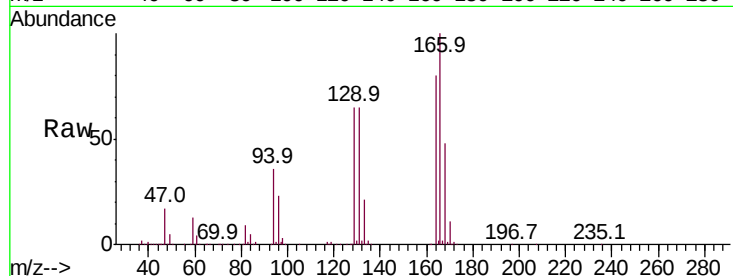
Ion Ratio Lower Upper

164 100

129 81.3 61.0 113.2

131 81.2 57.5 106.9

166 124.3 87.8 163.0



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

