

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011620\
 Data File : VV014320.D
 Acq On : 16 Jan 2020 14:32
 Operator : SY/MD
 Sample : L1156-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 17 05:34:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 17 05:31:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	812138	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	753575	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	343797	5.00	ug/L	0.00

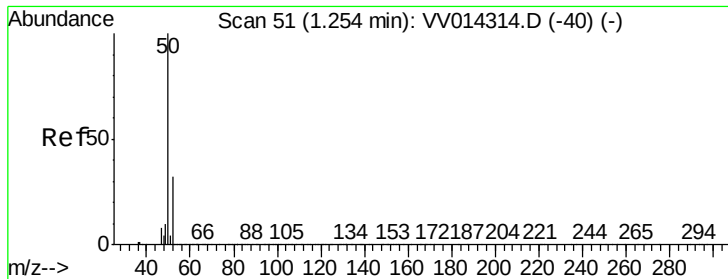
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	208232	3.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.40%
7) Chloroethane-d5	1.58	69	177299	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.13	63	261948	3.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.60%
20) 2-Butanone-d5	3.95	46	594858	43.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.16%
24) Chloroform-d	4.40	84	460085	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	5.08	65	237911	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
32) Benzene-d6	5.10	84	987873	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.11	67	306412	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.36	98	875714	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	7.66	79	122170	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
46) 2-Hexanone-d5	8.13	63	548410	42.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	216487	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	276028	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	4467	0.073	ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2723	0.075	ug/L #	25
12) 1,1-Dichloroethene	2.14	96	6172	0.170	ug/L #	1
19) 1,1-Dichloroethane	3.23	63	11087	0.104	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	115002	1.924	ug/L #	94
25) Chloroform	4.42	83	40648	0.397	ug/L	98
27) 1,2-Dichloroethane	5.09	62	5541	0.090	ug/L	99
31) Carbon tetrachloride	4.88	117	17187	0.224	ug/L	97
34) Trichloroethene	5.96	95	418279	7.013	ug/L	99
35) Methylcyclohexane	6.12	83	70558	0.724	ug/L #	19
37) 1,2-Dichloropropane	6.11	63	32407	0.553	ug/L #	88
47) Tetrachloroethene	8.02	164	26819	0.658	ug/L	95
48) 2-Hexanone	8.13	43	68417	2.679	ug/L #	73
49) Dibromochloromethane	8.02	129	26004	0.550	ug/L #	10

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



#3

Chloromethane

Concen: 0.073 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014320.D

Acq: 16 Jan 2020 14:32

Instrument :

MSVOA_V

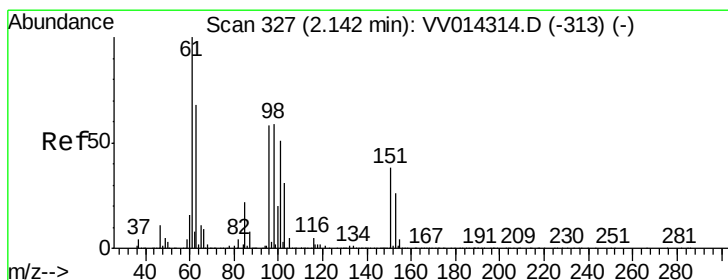
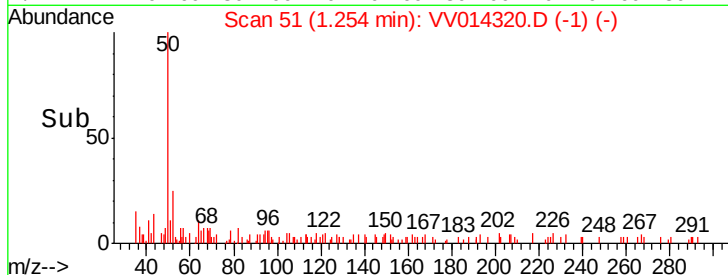
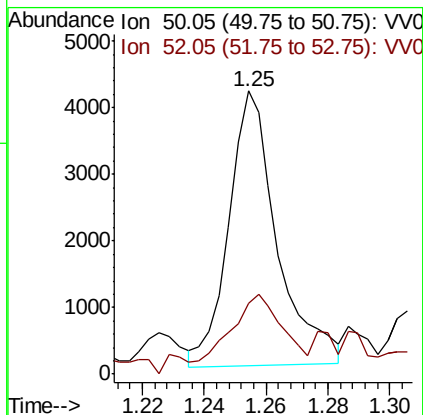
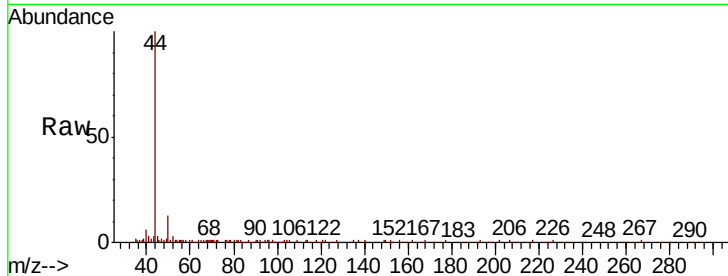
ClientSampleId :

Tot Ion: 50 Resp: 4467

Ion Ratio Lower Upper

50 100

52 24.8 22.3 41.3



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.075 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014320.D

Acq: 16 Jan 2020 14:32

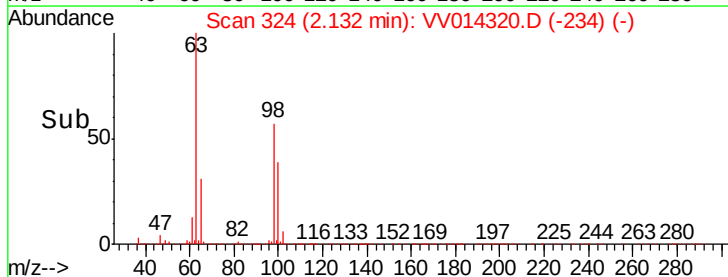
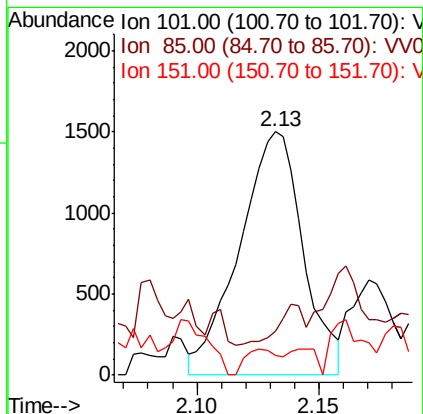
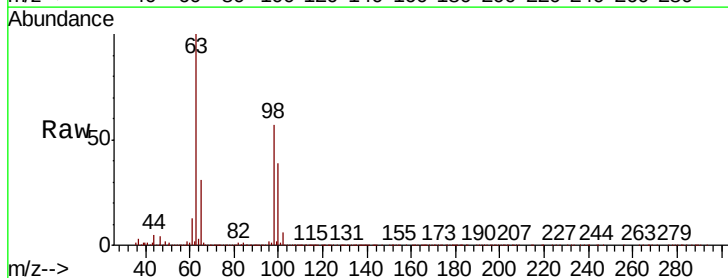
Tgt Ion: 101 Resp: 2723

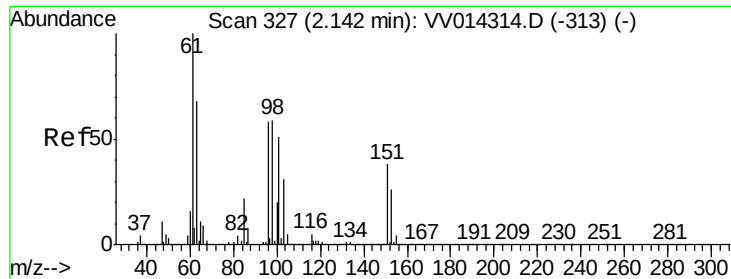
Ion Ratio Lower Upper

101 100

85 6.5 34.9 52.3#

151 4.4 62.5 93.7#

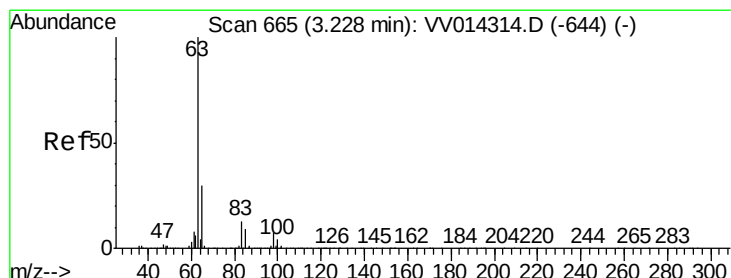
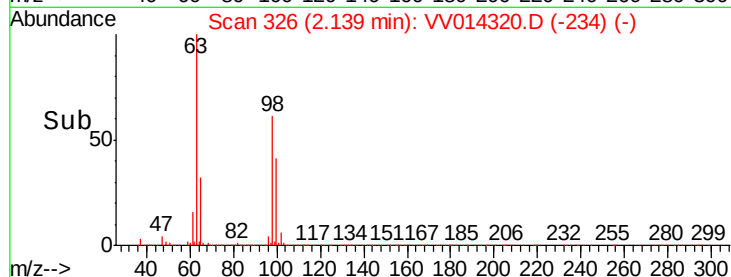
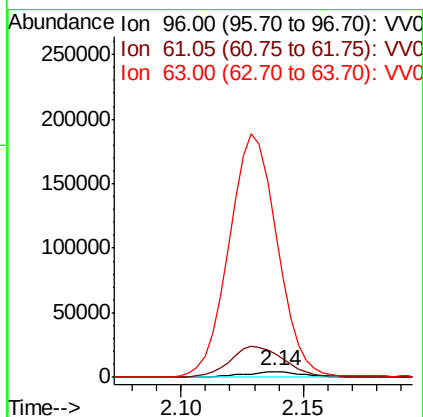
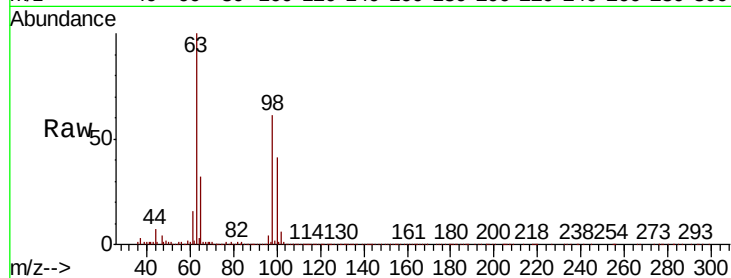




#12
1,1-Dichloroethene
Concen: 0.170 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV014320.D
Acq: 16 Jan 2020 14:32

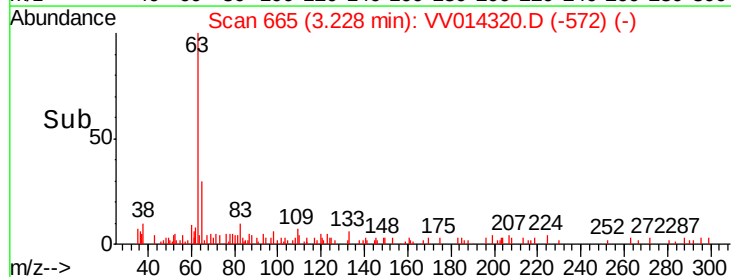
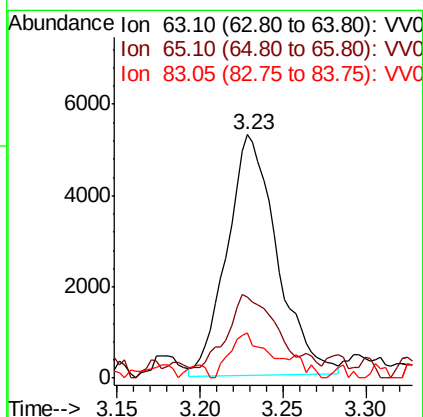
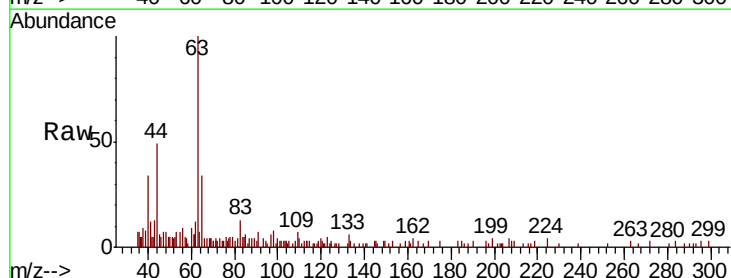
Instrument :
MSVOA_V
ClientSampleId :

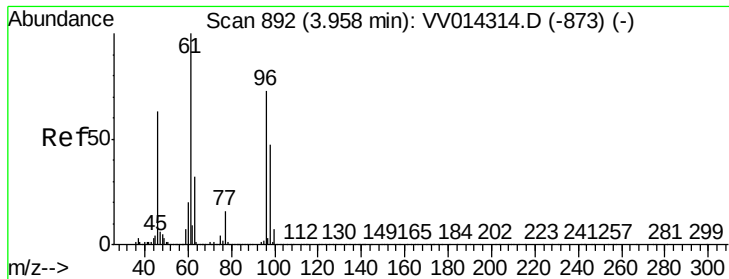
Tot Ion: 96 Resp: 6172
Ion Ratio Lower Upper
96 100
61 410.1 121.5 225.7#
63 2607.6 90.3 167.7#



#19
1,1-Dichloroethane
Concen: 0.104 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV014320.D
Acq: 16 Jan 2020 14:32

Tgt Ion: 63 Resp: 11087
Ion Ratio Lower Upper
63 100
65 31.3 22.7 42.3
83 17.4 10.0 18.6



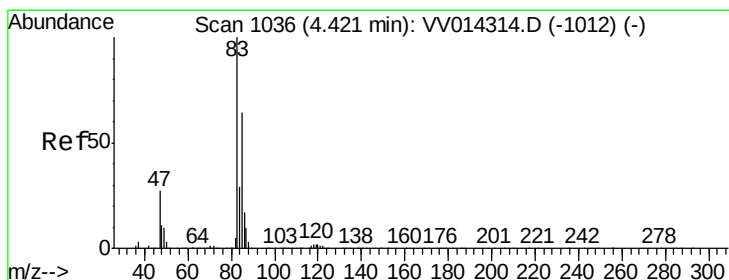
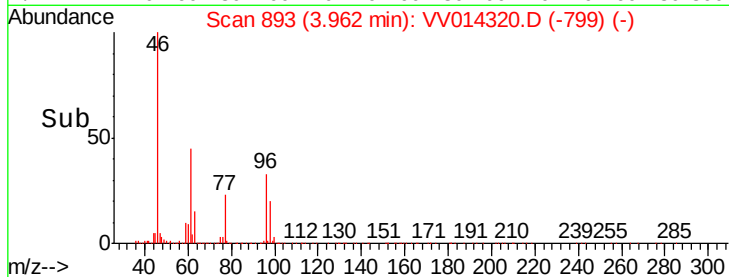
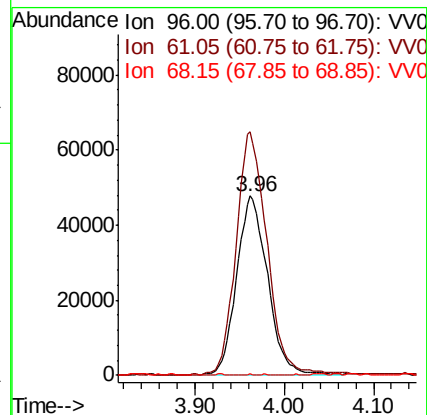
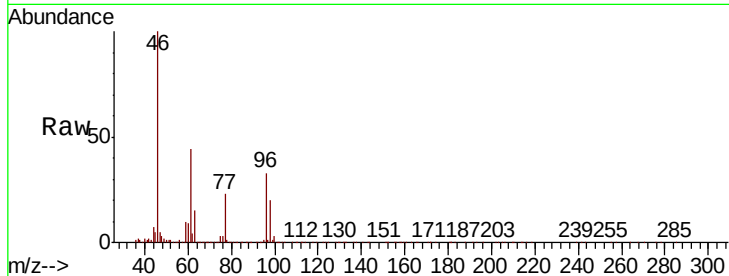


#22

cis-1,2-Dichloroethene
Concen: 1.924 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV014320.D
Acq: 16 Jan 2020 14:32

Instrument :
MSVOA_V
ClientSampleId :

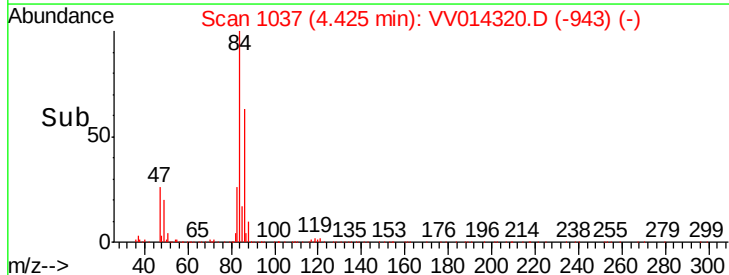
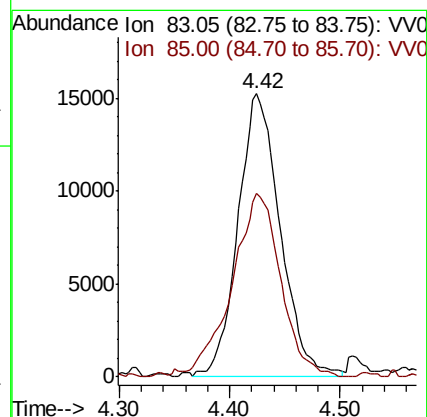
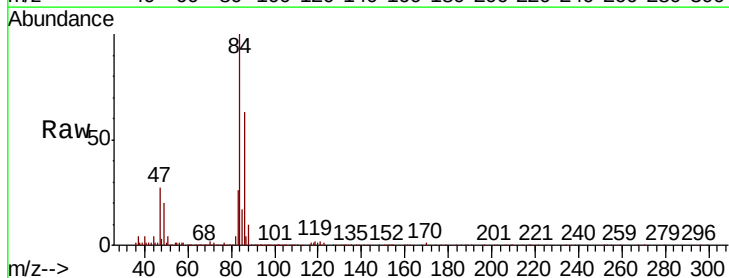
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	90.6	168.3
68	0.9	0.3	0.7

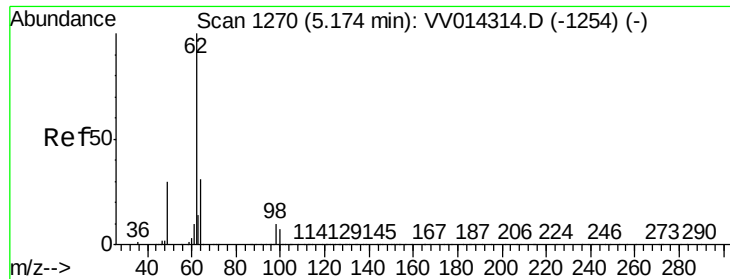


#25

Chloroform
Concen: 0.397 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014320.D
Acq: 16 Jan 2020 14:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	46.2	85.8

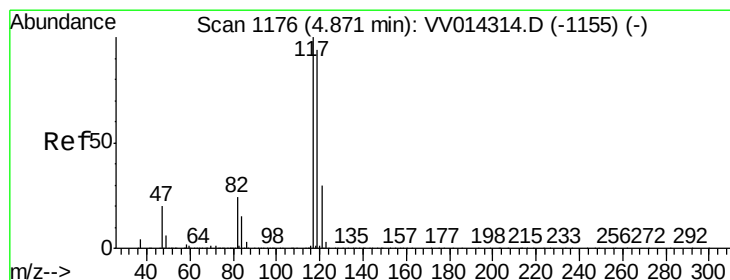
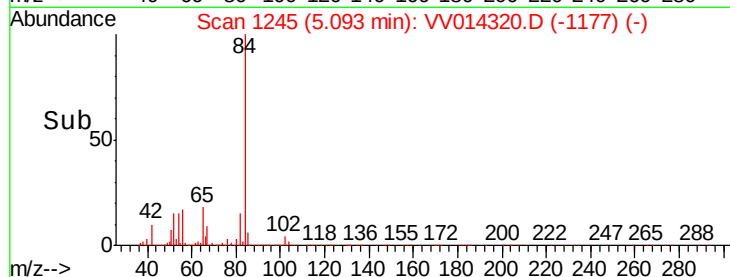
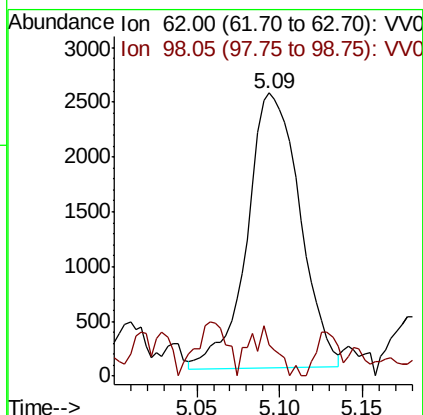
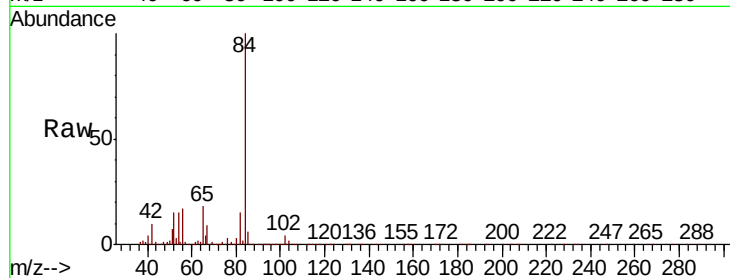




#27
 1,2-Dichloroethane
 Concen: 0.090 ug/L
 RT: 5.09 min Scan# 1245
 Delta R.T. -0.08 min
 Lab File: VV014320.D
 Acq: 16 Jan 2020 14:32

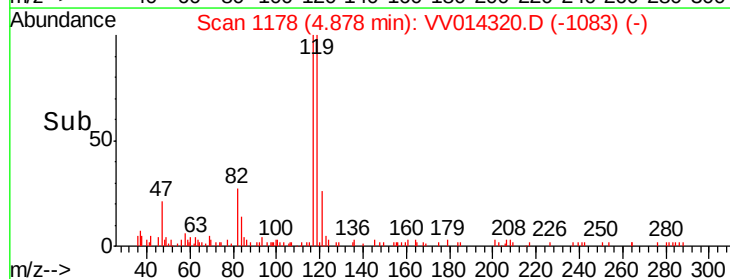
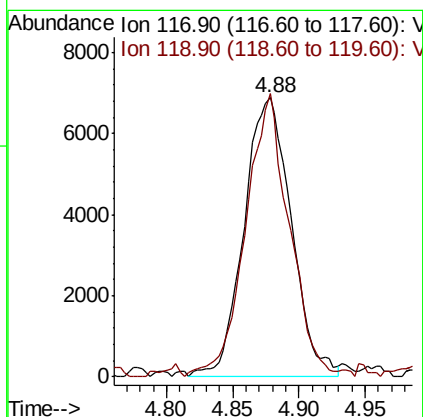
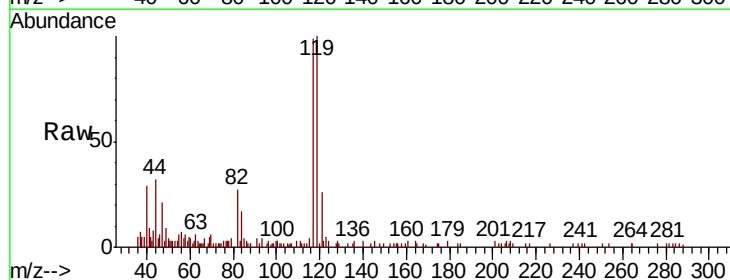
Instrument :
 MSVOA_V
 ClientSampleId :

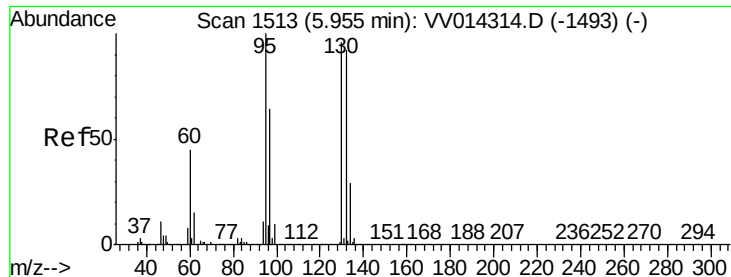
Tot Ion: 62 Resp: 5541
 Ion Ratio Lower Upper
 62 100
 98 11.0 9.2 13.8



#31
 Carbon tetrachloride
 Concen: 0.224 ug/L
 RT: 4.88 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: VV014320.D
 Acq: 16 Jan 2020 14:32

Tgt Ion: 117 Resp: 17187
 Ion Ratio Lower Upper
 117 100
 119 93.3 76.8 115.2

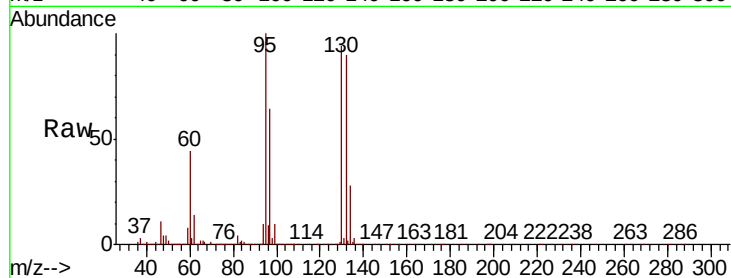




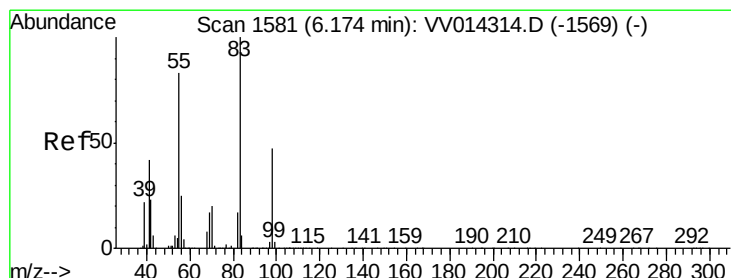
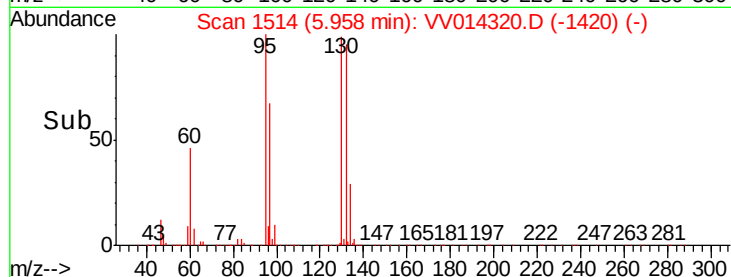
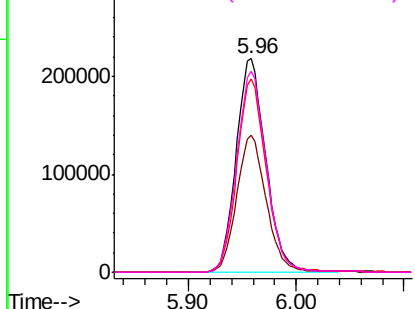
#34
 Trichloroethene
 Concen: 7.013 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV014320.D
 Acq: 16 Jan 2020 14:32

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 418279
 Ion Ratio Lower Upper
 95 100
 97 64.0 43.8 81.3
 132 90.3 63.4 117.8
 130 94.1 65.7 122.1

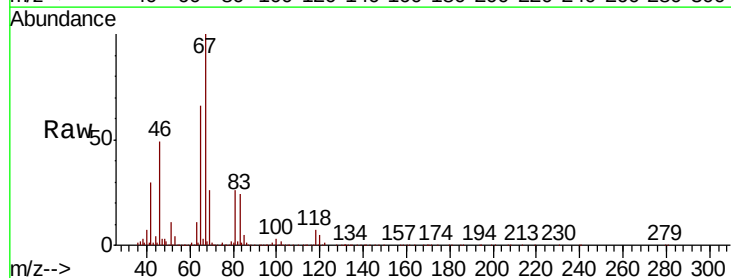


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

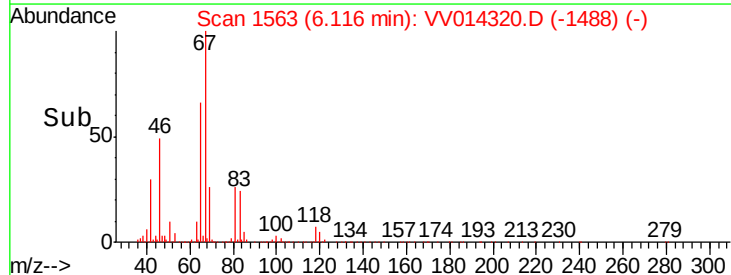
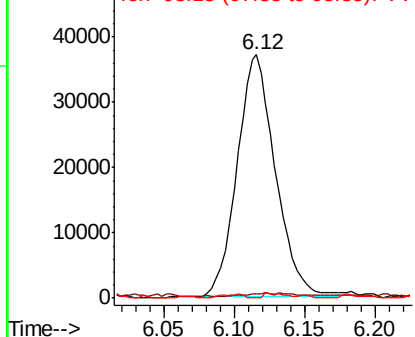


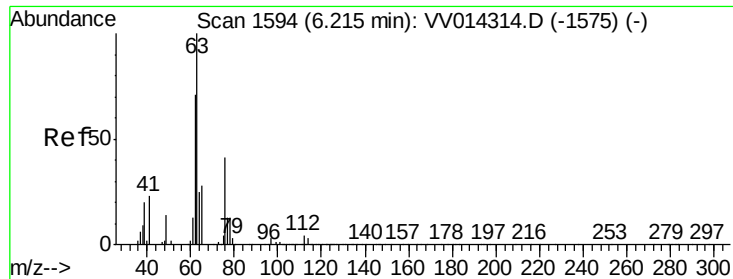
#35
 Methylcyclohexane
 Concen: 0.724 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.06 min
 Lab File: VV014320.D
 Acq: 16 Jan 2020 14:32

Tgt Ion: 83 Resp: 70558
 Ion Ratio Lower Upper
 83 100
 55 0.9 61.7 92.5#
 98 1.1 38.1 57.1#



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

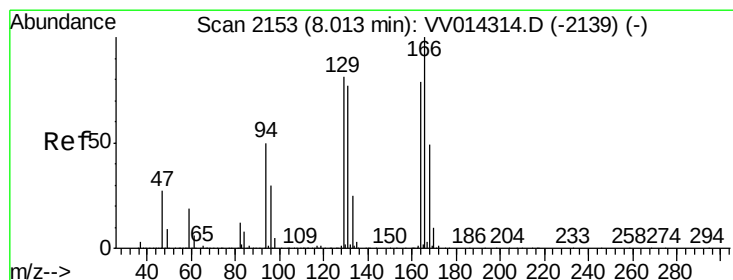
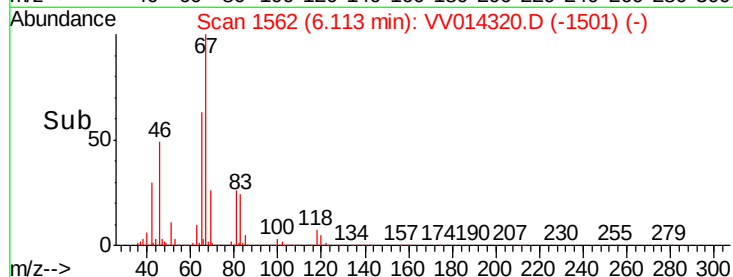
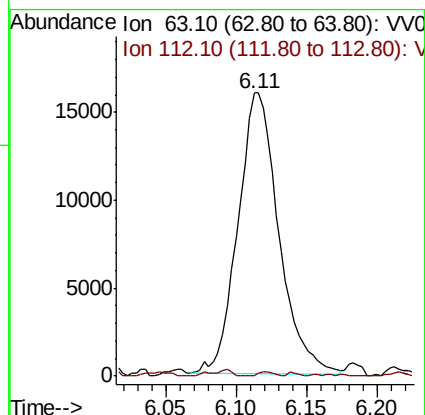
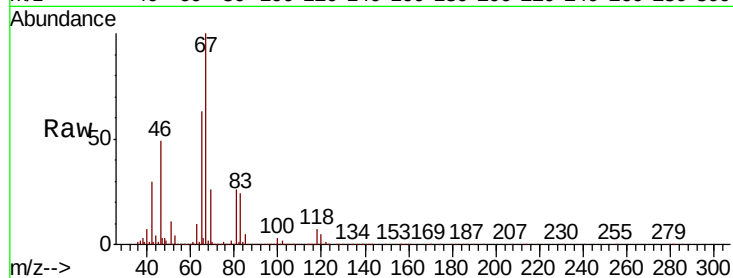




#37
1,2-Dichloropropane
Concen: 0.553 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV014320.D
Acq: 16 Jan 2020 14:32

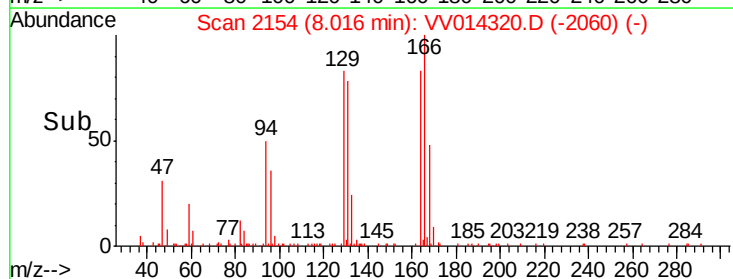
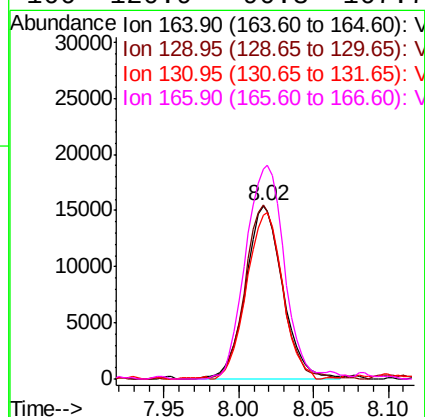
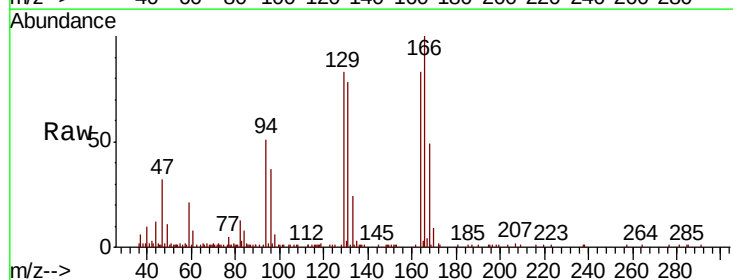
Instrument :
MSVOA_V
ClientSampleId :

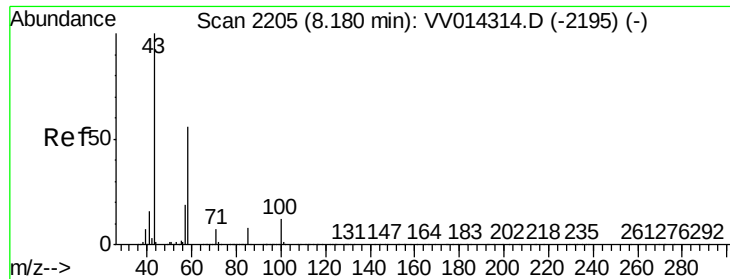
Tot Ion: 63 Resp: 32407
Ion Ratio Lower Upper
63 100
112 0.6 3.7 5.5#



#47
Tetrachloroethene
Concen: 0.658 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV014320.D
Acq: 16 Jan 2020 14:32

Tgt Ion: 164 Resp: 26819
Ion Ratio Lower Upper
164 100
129 100.1 71.7 133.3
131 94.7 70.4 130.8
166 120.9 90.3 167.7

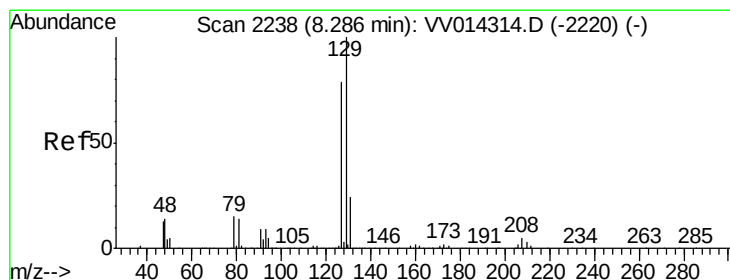
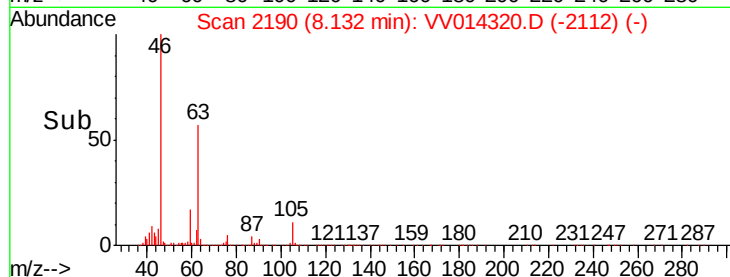
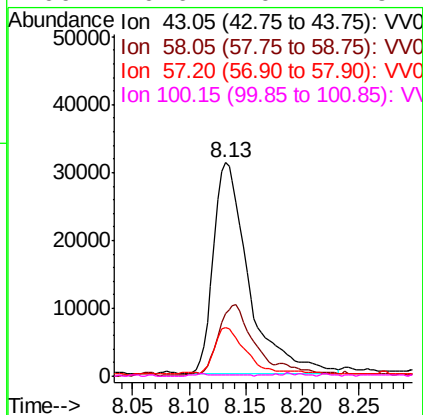
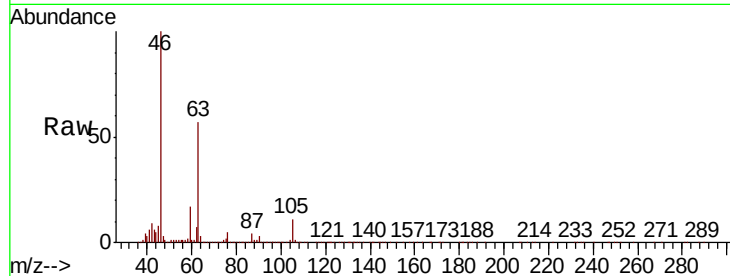




#48
2-Hexanone
Concen: 2.679 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV014320.D
Acq: 16 Jan 2020 14:32

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	68417
Ion	Ratio	Lower	Upper
43	100		
58	31.7	45.4	68.0#
57	17.9	15.8	23.8
100	0.6	10.2	15.4#



#49
Dibromochloromethane
Concen: 0.550 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV014320.D
Acq: 16 Jan 2020 14:32

Tgt Ion:	129	Resp:	26004
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.7	103.5#

