

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102219\
 Data File : VV013278.D
 Acq On : 22 Oct 2019 14:49
 Operator : SY/MD
 Sample : K5462-06MS
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0G42MS

Quant Time: Oct 23 02:03:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 01:23:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	421920	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	449108	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	235926	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	186752	6.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	120.00%
7) Chloroethane-d5	1.58	69	150702	5.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.40%
11) 1,1-Dichloroethene-d2	2.13	63	277225	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	3.96	46	452476	75.74	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	151.48%#
24) Chloroform-d	4.40	84	396482	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.08	65	188234	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
32) Benzene-d6	5.10	84	807042	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.00%
36) 1,2-Dichloropropane-d6	6.12	67	245337	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	7.36	98	667792	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.66	79	80991	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.13	63	287857	48.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	169791	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	264762	5.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.40%

Target Compounds

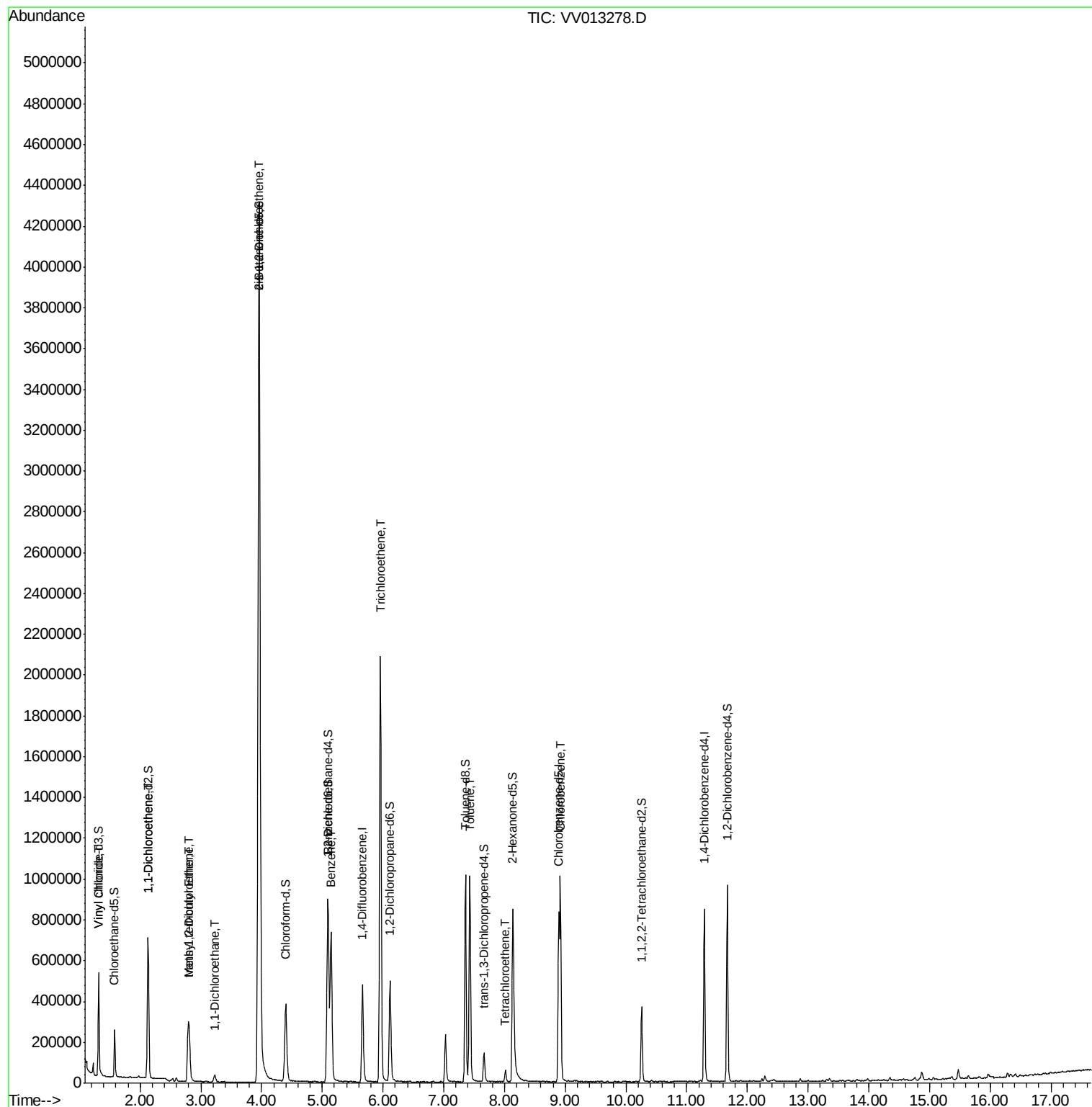
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	139473	3.425	ug/L	100
12) 1,1-Dichloroethene	2.14	96	125661	3.788	ug/L #	79
17) Methyl tert-butyl Ether	2.81	73	232545	3.027	ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	77583	1.984	ug/L	91
19) 1,1-Dichloroethane	3.23	63	33627	0.529	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	2412283	57.632	ug/L #	87
33) Benzene	5.14	78	747587	4.359	ug/L	100
34) Trichloroethene	5.95	95	713570	15.507	ug/L	99
42) Toluene	7.43	91	739228	4.105	ug/L	98
47) Tetrachloroethene	8.02	164	13511	0.323	ug/L	98
51) Chlorobenzene	8.92	112	534501	4.534	ug/L	99

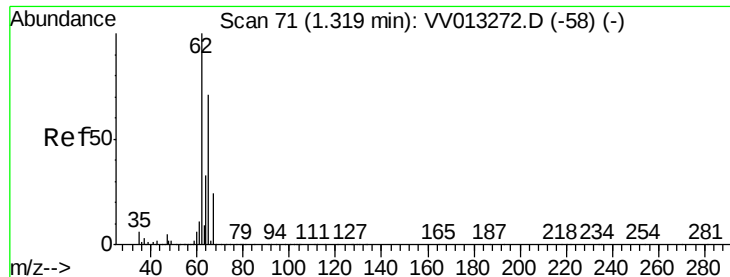
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 01:23:09 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.425 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

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Acq: 22 Oct 2019 14:49

Instrument :

MSVOA_V

ClientSampleId :

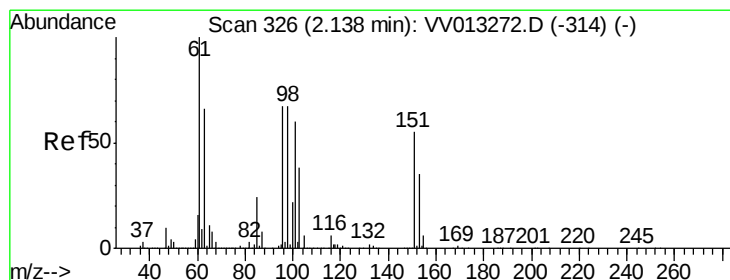
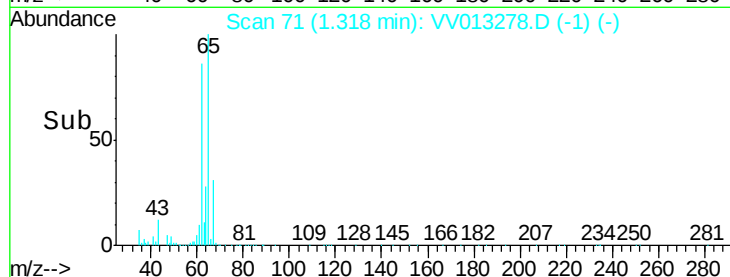
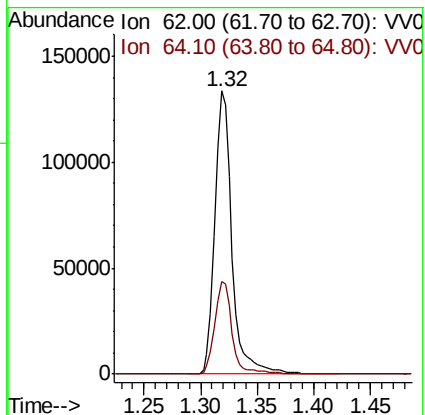
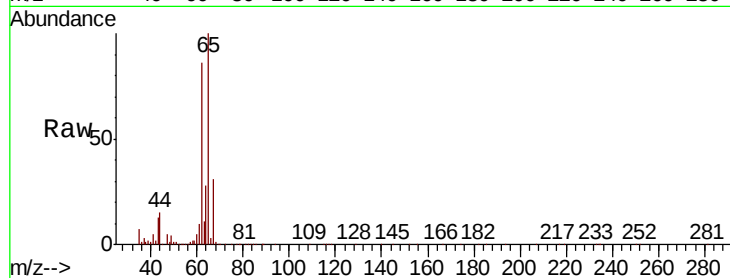
H0G42MS

Tot Ion: 62 Resp: 139473

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



#12

1,1-Dichloroethene

Concen: 3.788 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013278.D

Acq: 22 Oct 2019 14:49

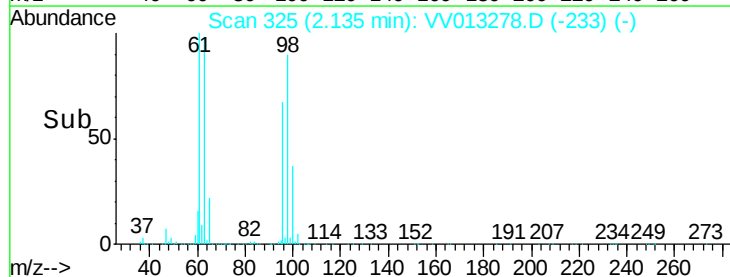
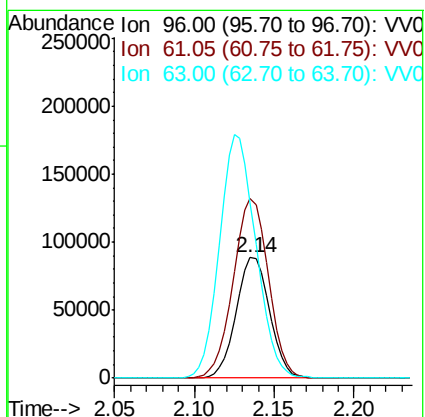
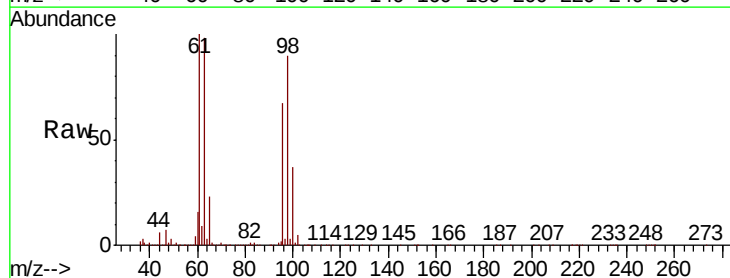
Tgt Ion: 96 Resp: 125661

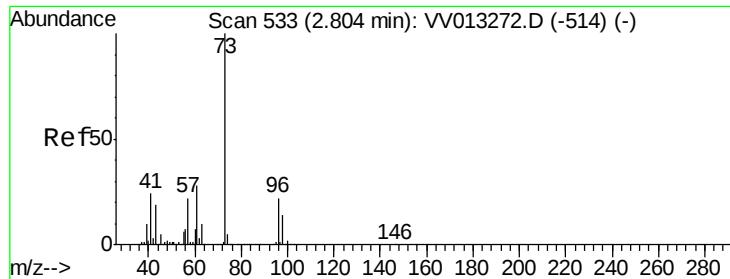
Ion Ratio Lower Upper

96 100

61 149.7 104.0 193.1

63 146.2 67.1 124.5#

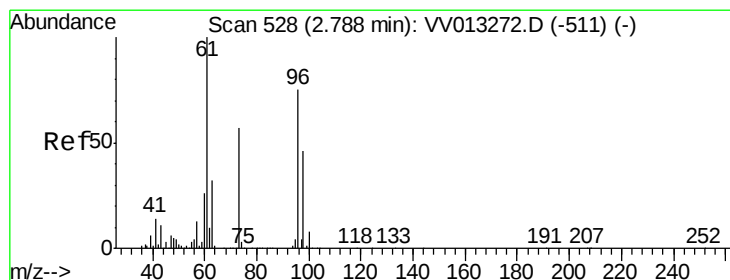
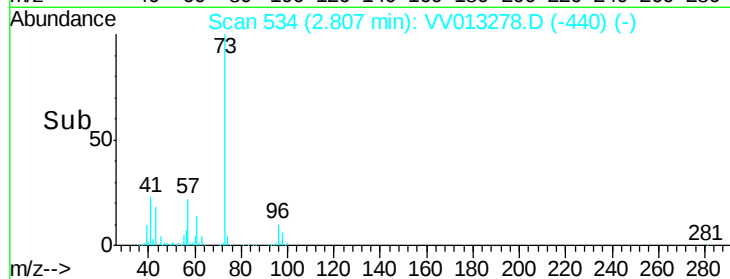
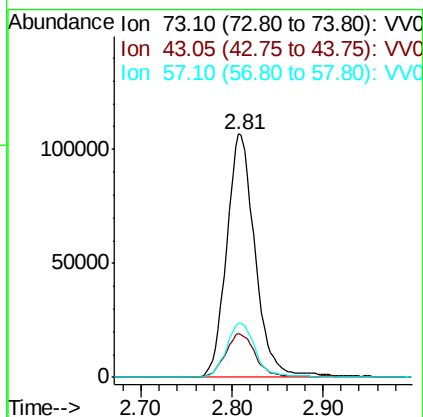
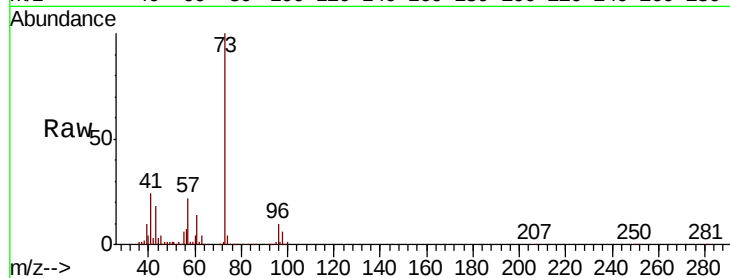




#17
Methvl tert-butvl Ether
Concen: 3.027 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013278.D
Acq: 22 Oct 2019 14:49

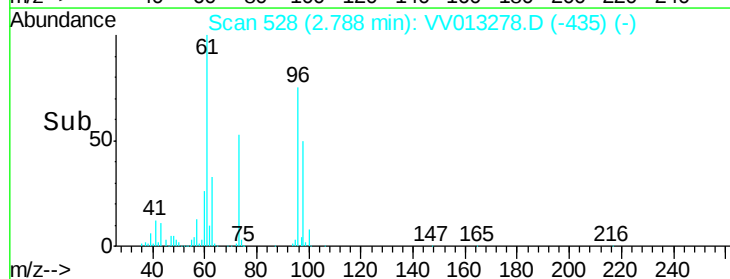
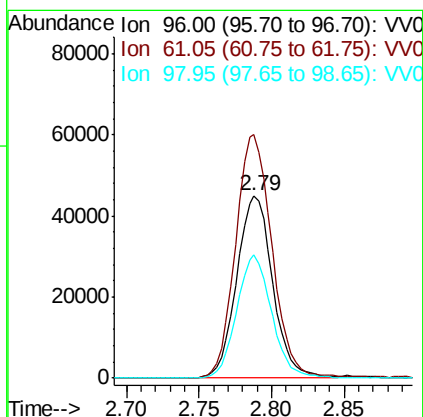
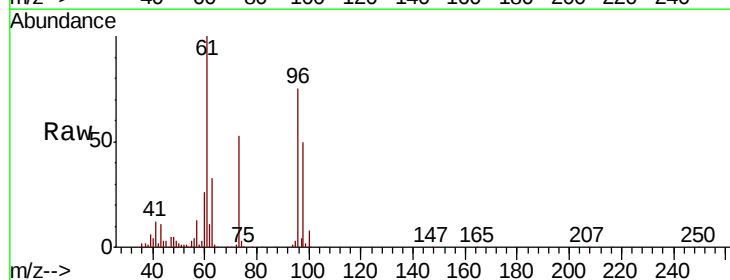
Instrument :
MSVOA_V
ClientSampleId :
H0G42MS

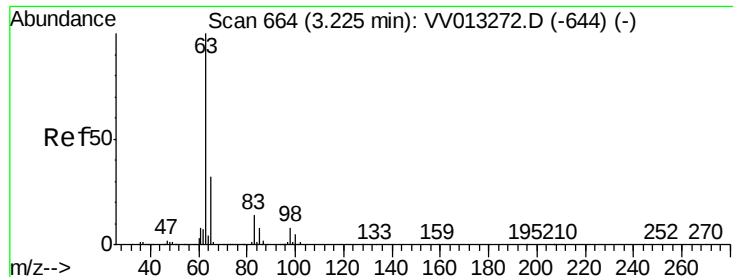
Tot Ion: 73 Resp: 232545
Ion Ratio Lower Upper
73 100
43 18.3 13.1 19.7
57 22.8 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 1.984 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV013278.D
Acq: 22 Oct 2019 14:49

Tgt Ion: 96 Resp: 77583
Ion Ratio Lower Upper
96 100
61 133.3 84.4 156.8
98 67.3 44.4 82.4

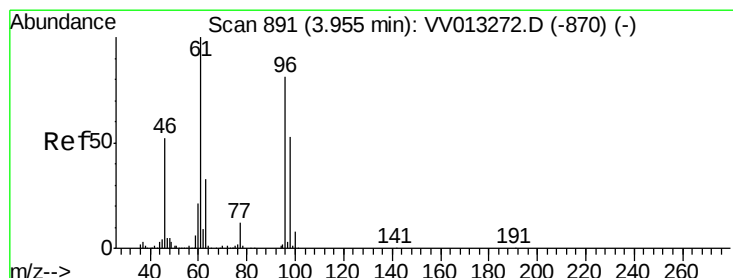
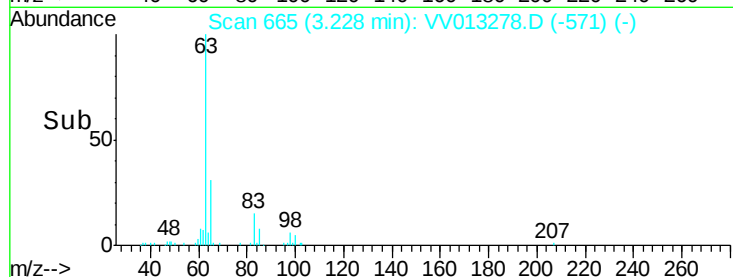
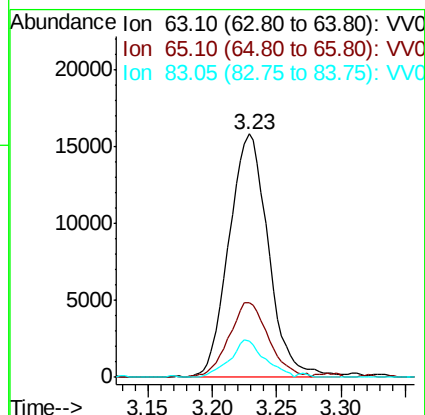
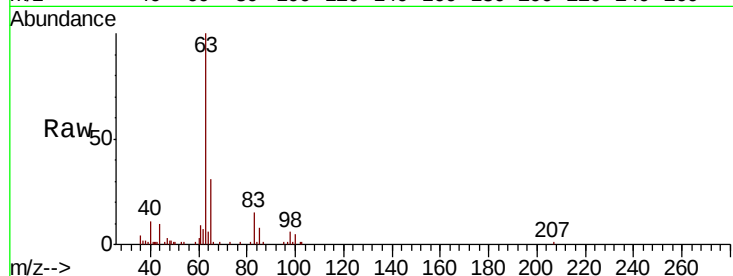




#19
 1,1-Dichloroethane
 Concen: 0.529 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013278.D
 Acq: 22 Oct 2019 14:49

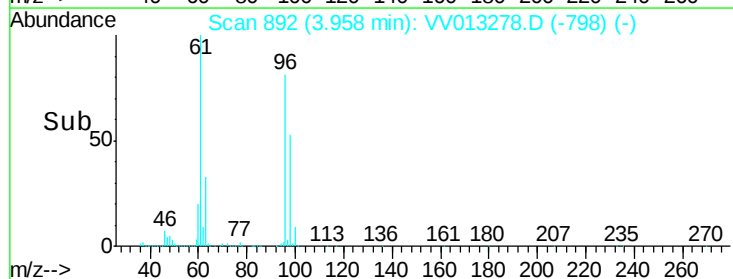
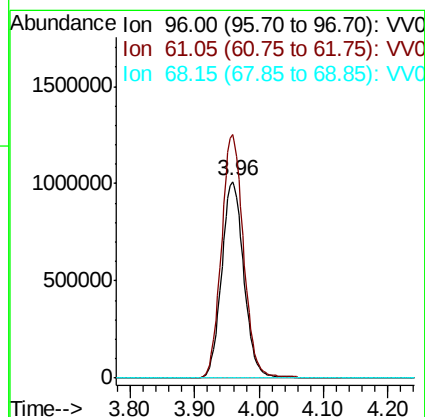
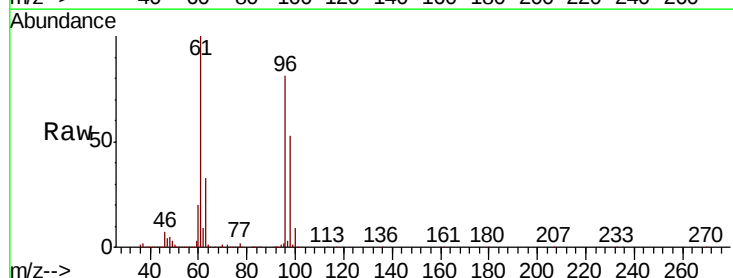
Instrument :
 MSVOA_V
 ClientSampleId :
 H0G42MS

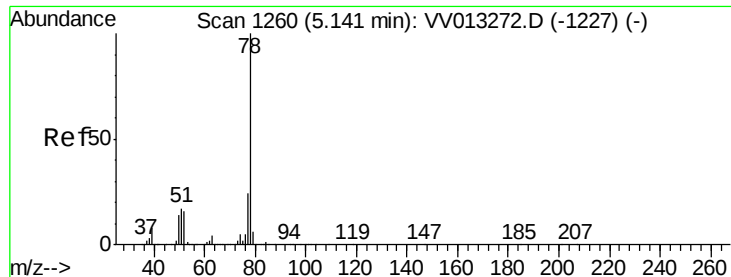
Tot Ion:	63	Resp:	33627
Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.0	42.8
83	15.1	10.2	19.0



#22
 cis-1,2-Dichloroethene
 Concen: 57.632 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013278.D
 Acq: 22 Oct 2019 14:49

Tgt Ion:	96	Resp:	2412283
Ion	Ratio	Lower	Upper
96	100		
61	123.9	77.3	143.7
68	0.0	0.1	0.1#





#33

Benzene

Concen: 4.359 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV013278.D

Acq: 22 Oct 2019 14:49

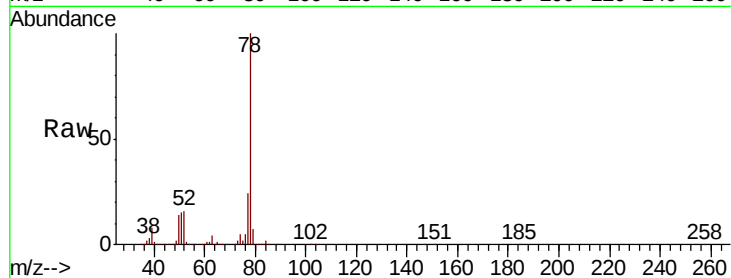
Instrument :

MSVOA_V

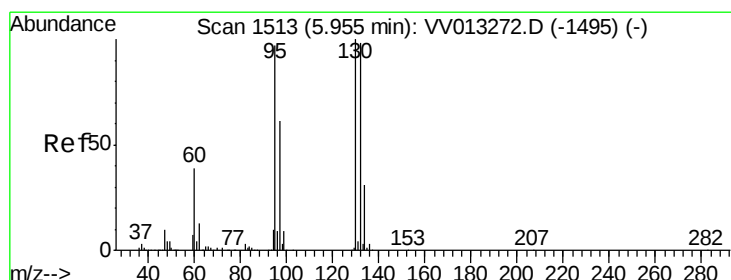
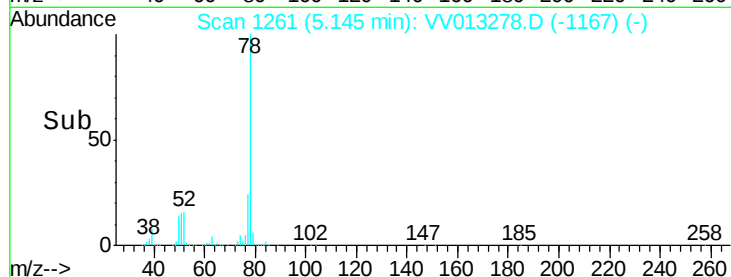
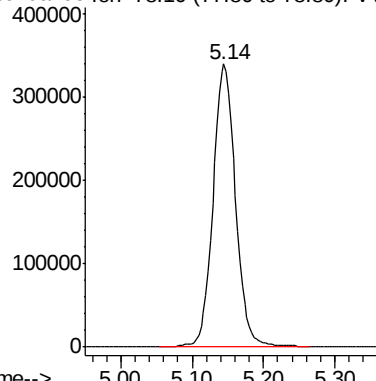
ClientSampleId :

H0G42MS

Tgt Ion: 78 Resp: 747587



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 15.507 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013278.D

Acq: 22 Oct 2019 14:49

Tgt Ion: 95 Resp: 713570

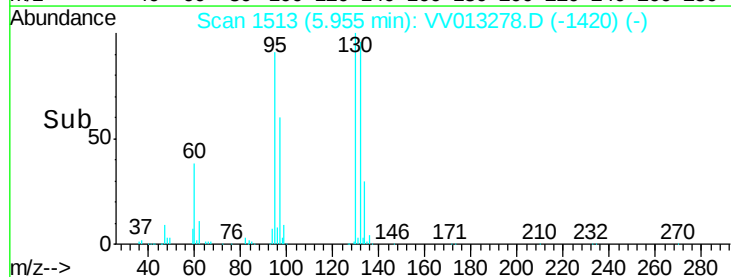
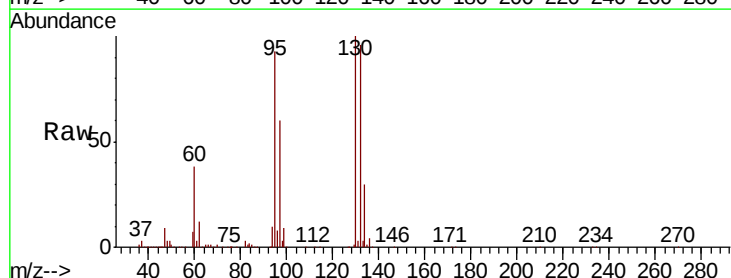
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.2	84.0
132	103.9	70.6	131.2
130	107.9	75.5	140.3

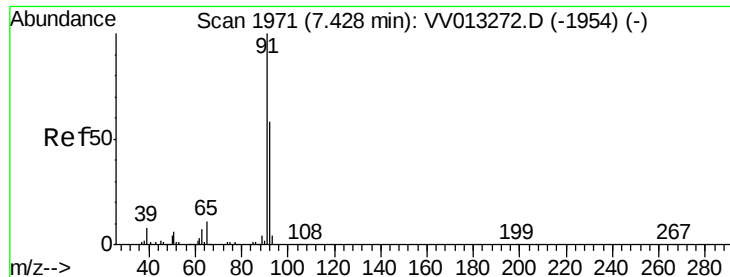
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#42

Toluene

Concen: 4.105 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013278.D

Acq: 22 Oct 2019 14:49

Instrument :

MSVOA_V

ClientSampleId :

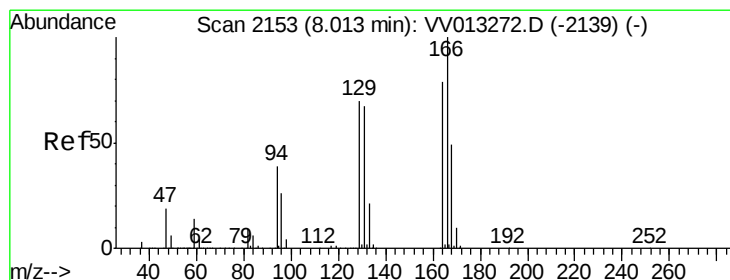
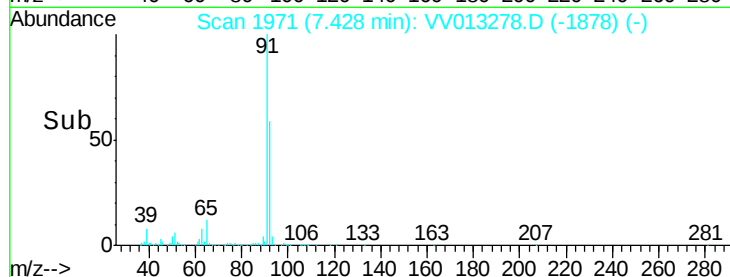
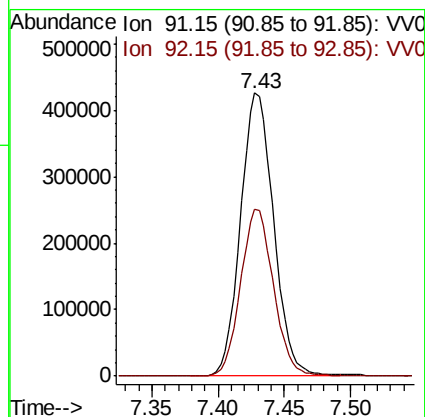
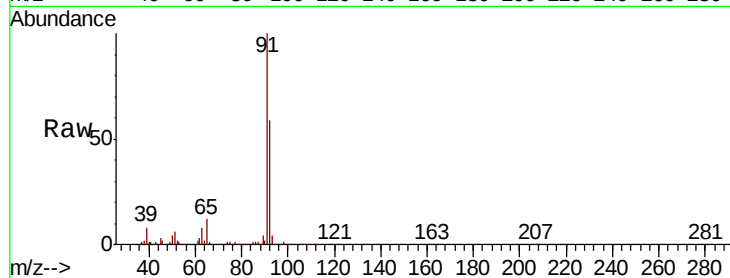
H0G42MS

Tot Ion: 91 Resp: 739228

Ion Ratio Lower Upper

91 100

92 58.9 40.5 75.1



#47

Tetrachloroethene

Concen: 0.323 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013278.D

Acq: 22 Oct 2019 14:49

Tgt Ion: 164 Resp: 13511

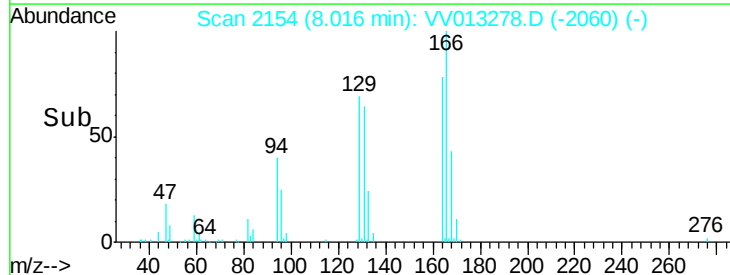
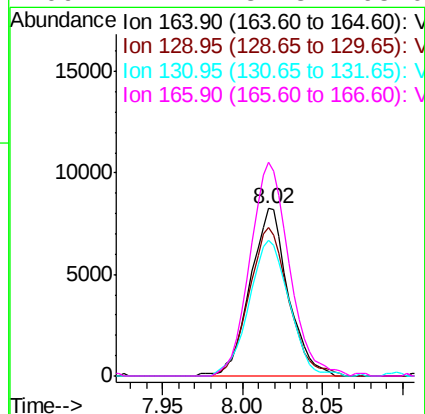
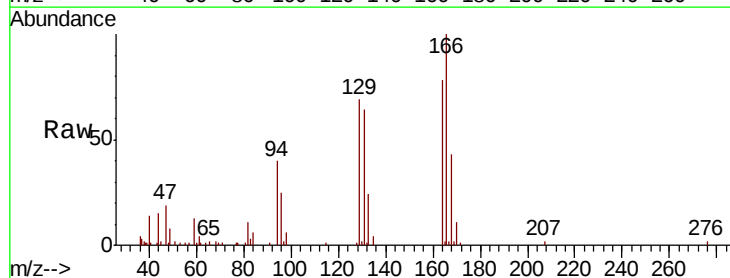
Ion Ratio Lower Upper

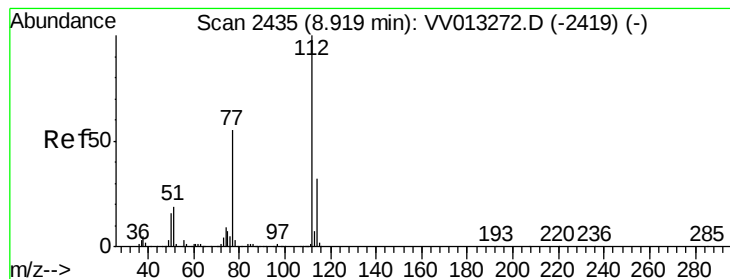
164 100

129 88.7 61.0 113.2

131 81.2 57.5 106.9

166 127.7 87.8 163.0





#51

Chlorobenzene

Concen: 4.534 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

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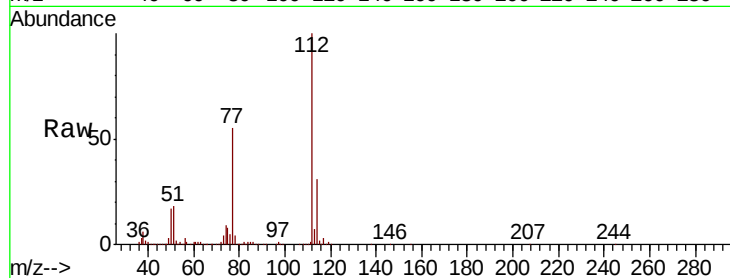
Tot Ion:112 Resp: 534501

Ion Ratio Lower Upper

112 100

114 31.5 21.8 40.6

77 55.1 44.4 66.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

