

Data File : VV013669.D
Acq On : 18 Nov 2019 20:12
Operator : SY/MD
Sample : K5910-07MS
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQJ1MS

Quant Time: Nov 19 04:30:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 19 04:25:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	319684	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	322052	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	142246	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	93704	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.58	69	88023	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.13	63	186523	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.40%
20) 2-Butanone-d5	3.92	46	278930	61.08	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.16%
24) Chloroform-d	4.40	84	216538	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.08	65	112627	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	5.10	84	413683	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.11	67	132642	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.36	98	353949	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	7.66	79	46703	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.13	63	203181	52.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.18%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	100109	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	148238	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

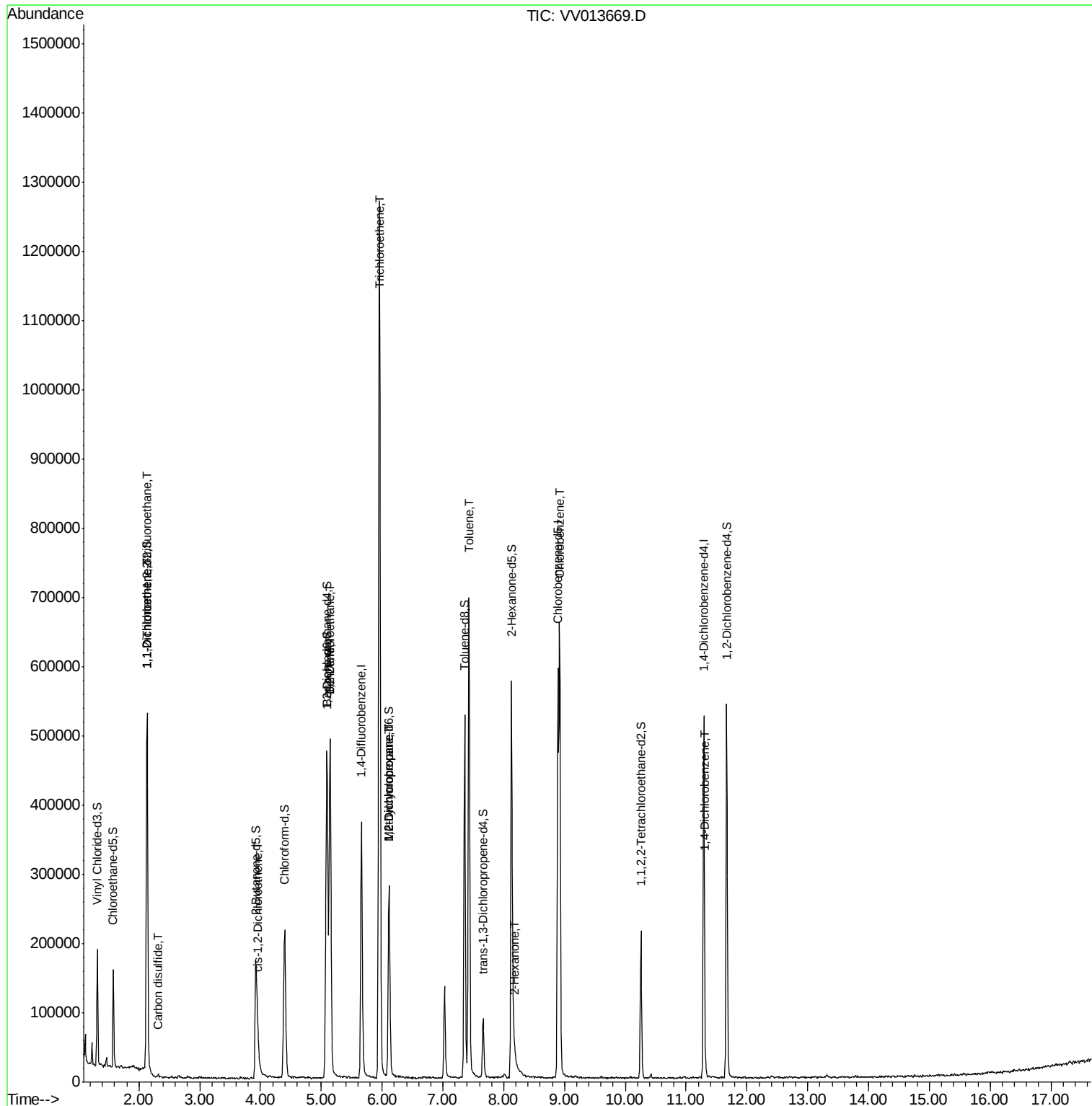
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1654	0.084	ug/L #	16
12) 1,1-Dichloroethene	2.14	96	105074	5.501	ug/L	96
14) Carbon disulfide	2.32	76	3482	0.053	ug/L #	89
22) cis-1,2-Dichloroethene	3.96	96	12391	0.507	ug/L #	92
27) 1,2-Dichloroethane	5.15	62	3176	0.125	ug/L #	87
33) Benzene	5.14	78	486165	4.987	ug/L	100
34) Trichloroethene	5.96	95	428551	16.425	ug/L	99
35) Methylcyclohexane	6.11	83	32610	0.819	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	14180	0.607	ug/L #	87
42) Toluene	7.43	91	502410	4.824	ug/L	100
48) 2-Hexanone	8.18	43	12606	1.309	ug/L #	72
51) Chlorobenzene	8.92	112	343741	4.978	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	4393	0.091	ug/L #	82

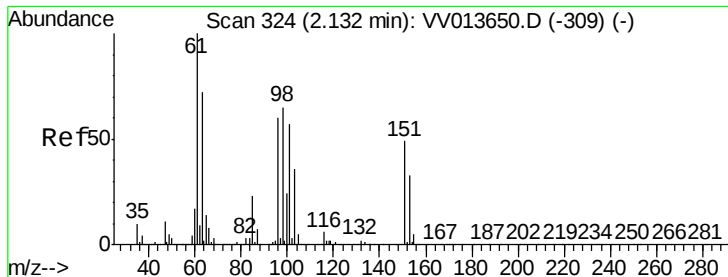
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.084 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013669.D

Acq: 18 Nov 2019 20:12

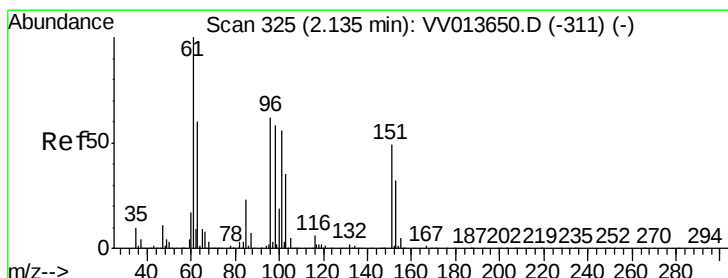
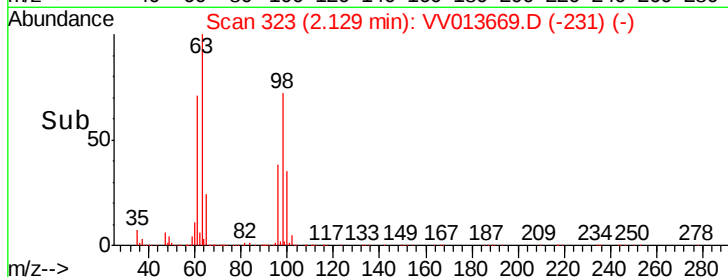
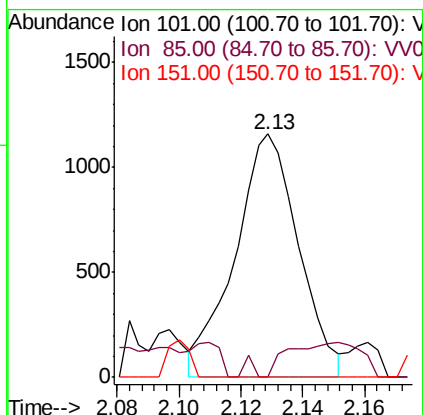
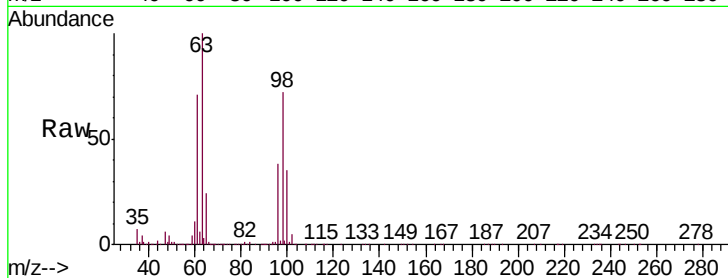
Instrument :

MSVOA_V

ClientSampleId :

GAQJ1MS

Tgt Ion:	101	Resp:	1654
Ion	Ratio	Lower	Upper
101	100		
85	1.2	32.0	48.0#
151	0.0	69.0	103.6#



#12

1,1-Dichloroethene

Concen: 5.501 ug/L

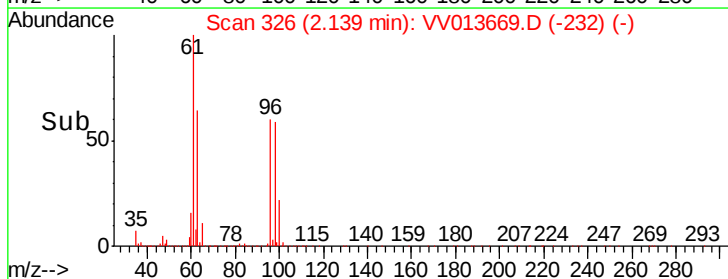
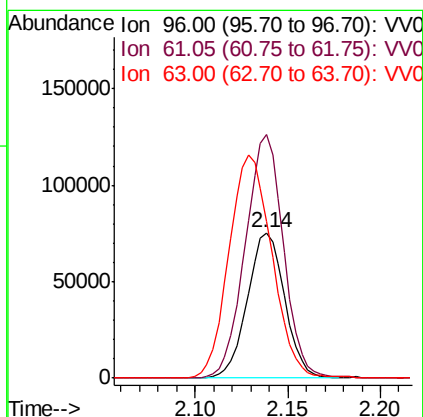
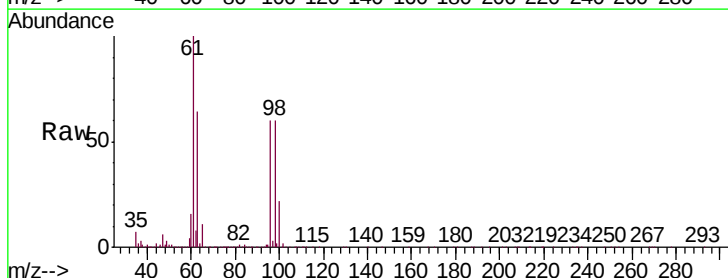
RT: 2.14 min Scan# 326

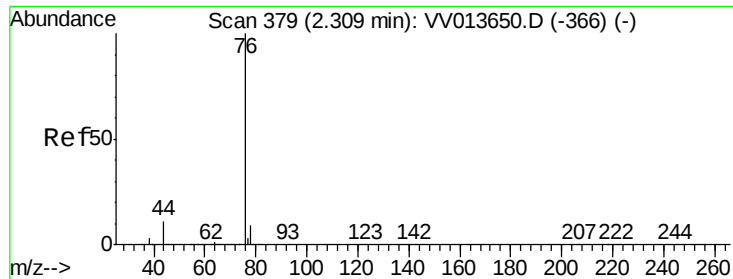
Delta R.T. 0.00 min

Lab File: VV013669.D

Acq: 18 Nov 2019 20:12

Tgt Ion:	96	Resp:	105074
Ion	Ratio	Lower	Upper
96	100		
61	167.4	112.5	208.9
63	107.8	76.9	142.7





#14

Carbon disulfide

Concen: 0.053 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013669.D

Acq: 18 Nov 2019 20:12

Instrument :

MSVOA_V

ClientSampleId :

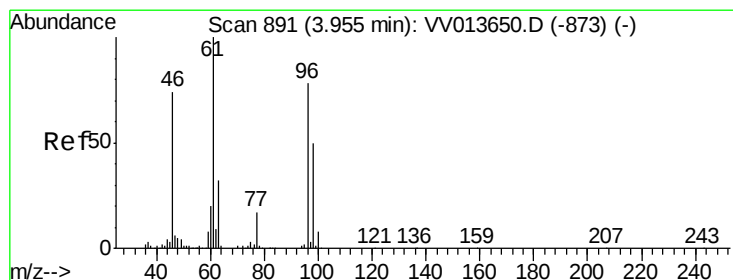
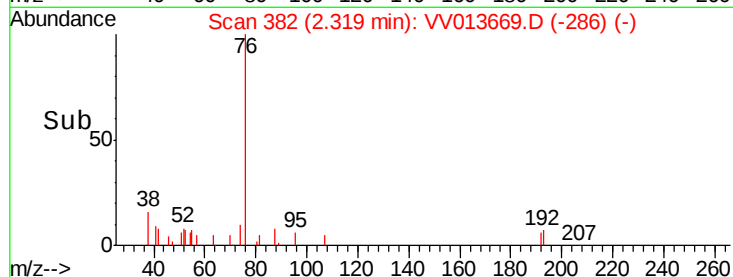
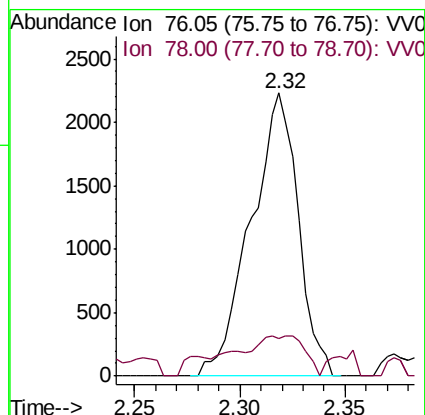
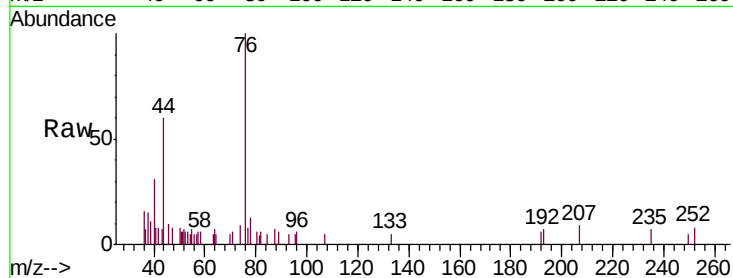
GAQJ1MS

Tgt Ion: 76 Resp: 3482

Ion Ratio Lower Upper

76 100

78 13.3 7.4 11.2#



#22

cis-1,2-Dichloroethene

Concen: 0.507 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV013669.D

Acq: 18 Nov 2019 20:12

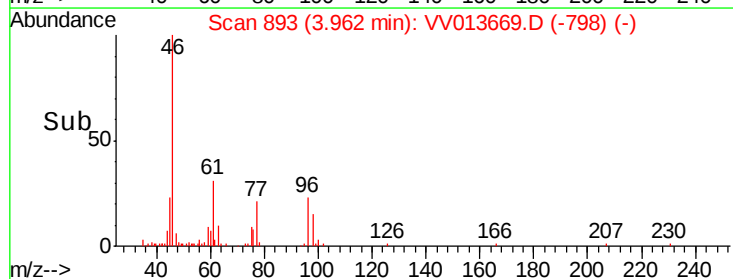
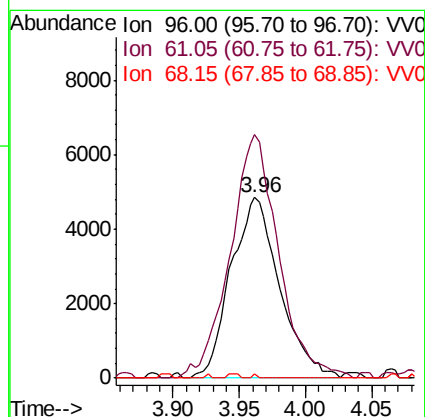
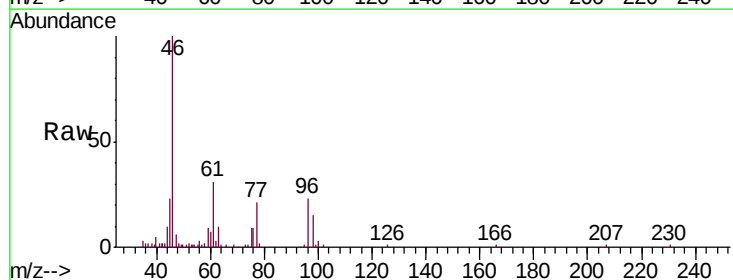
Tgt Ion: 96 Resp: 12391

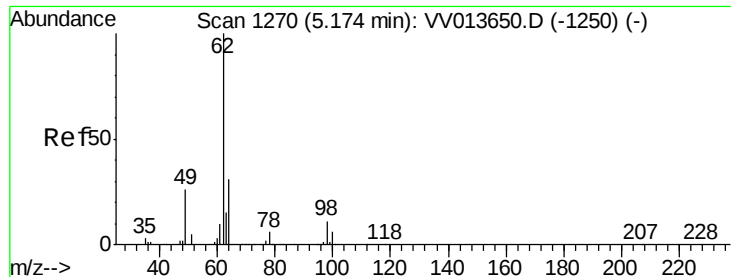
Ion Ratio Lower Upper

96 100

61 134.7 87.7 162.9

68 2.2 0.1 0.3#





#27

1,2-Dichloroethane

Concen: 0.125 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. -0.03 min

Lab File: VV013669.D

Acq: 18 Nov 2019 20:12

Instrument :

MSVOA_V

ClientSampleId :

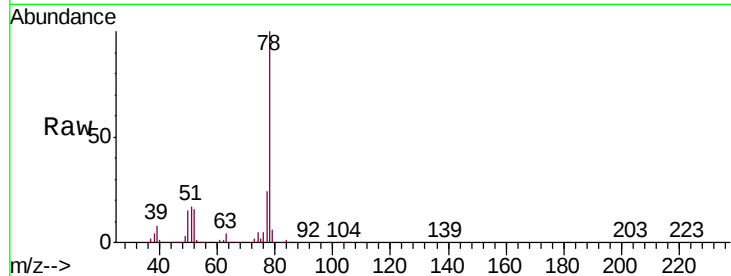
GAQJ1MS

Tgt Ion: 62 Resp: 3176

Ion Ratio Lower Upper

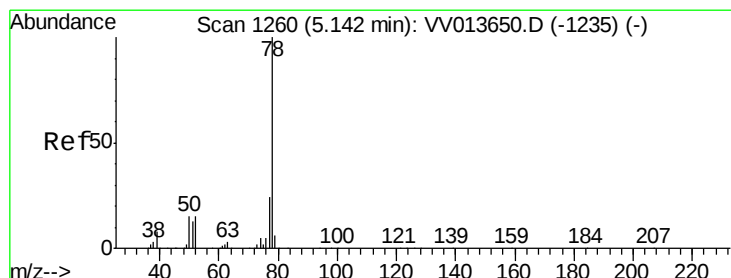
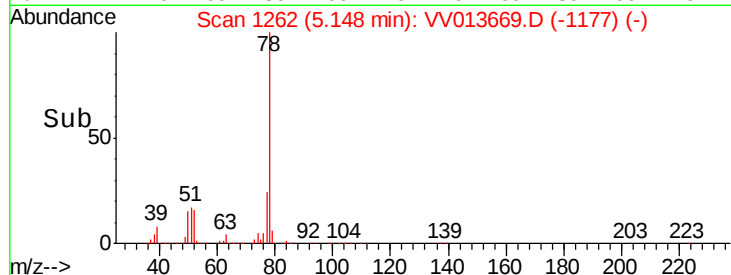
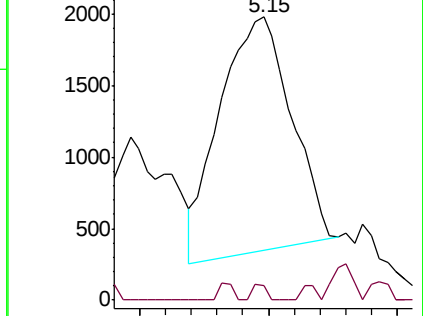
62 100

98 5.4 8.2 12.2#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#33

Benzene

Concen: 4.987 ug/L

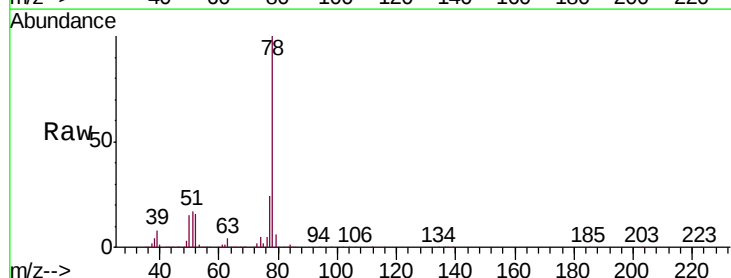
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

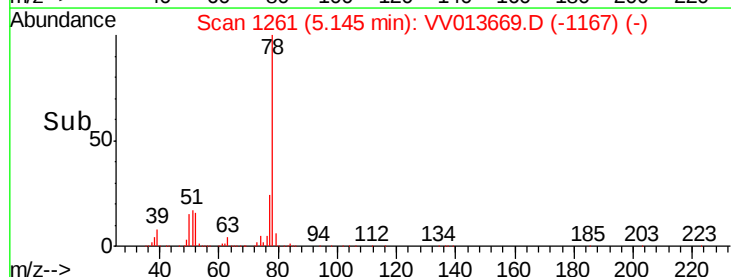
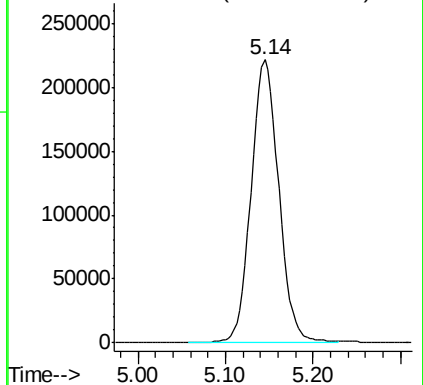
Lab File: VV013669.D

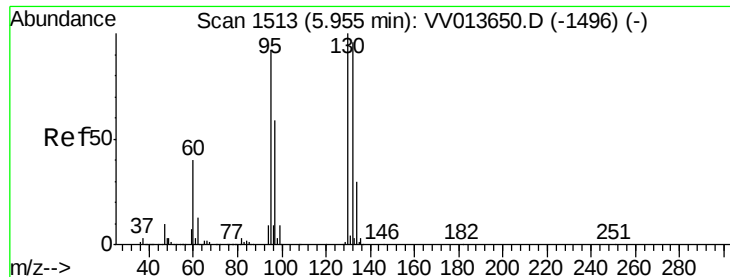
Acq: 18 Nov 2019 20:12

Tgt Ion: 78 Resp: 486165



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 16.425 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013669.D

Acq: 18 Nov 2019 20:12

Instrument :

MSVOA_V

ClientSampleId :

GAQJ1MS

Tgt Ion: 95 Resp: 428551

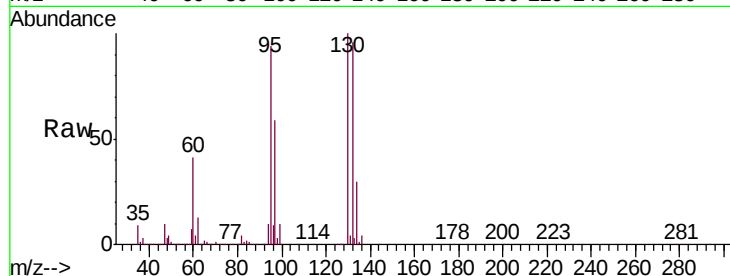
Ion Ratio Lower Upper

95 100

97 63.0 44.8 83.2

132 103.0 72.9 135.3

130 106.8 75.1 139.5

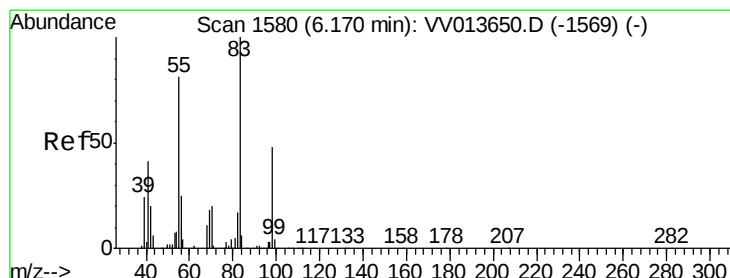
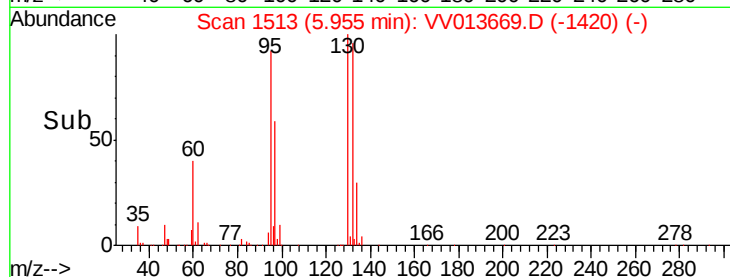
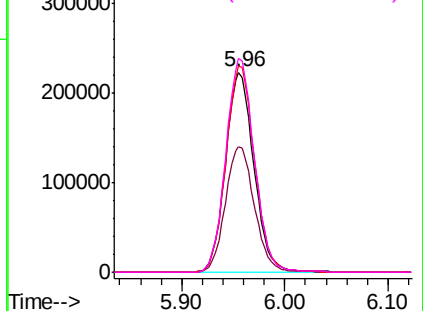


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.819 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013669.D

Acq: 18 Nov 2019 20:12

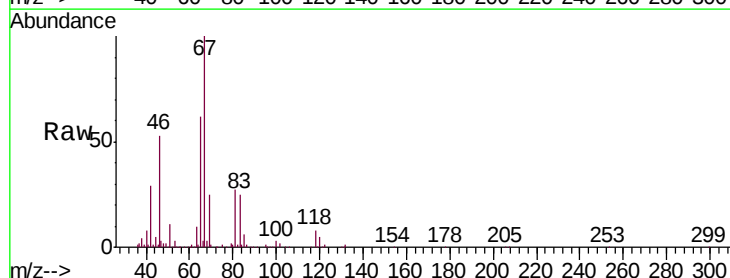
Tgt Ion: 83 Resp: 32610

Ion Ratio Lower Upper

83 100

55 0.1 64.1 96.1#

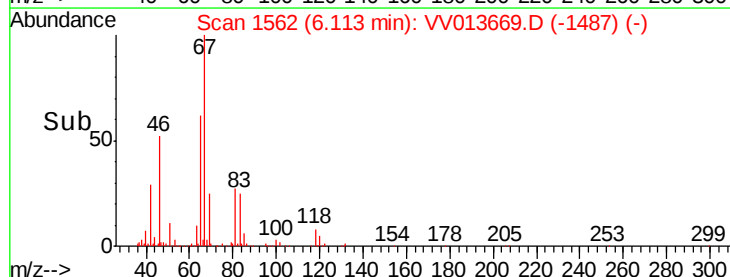
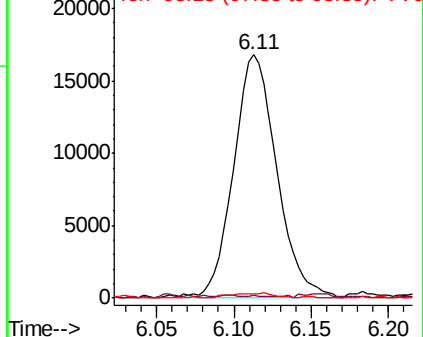
98 0.0 38.2 57.2#

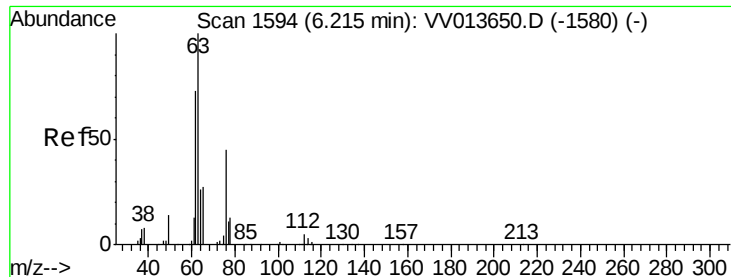


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

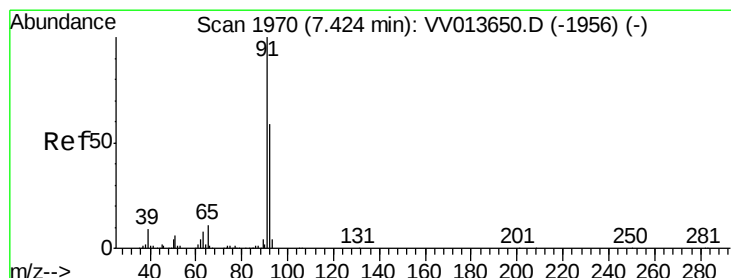
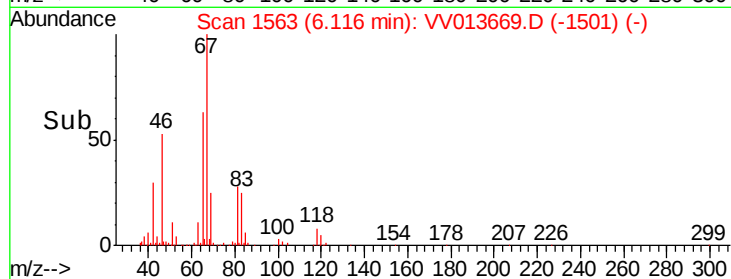
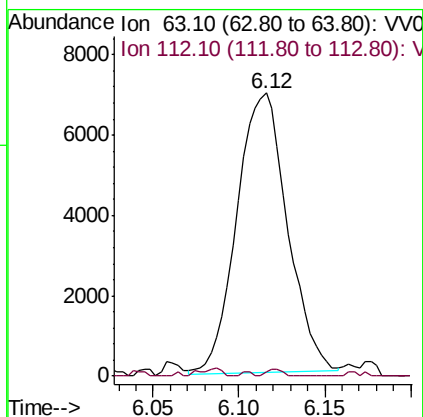
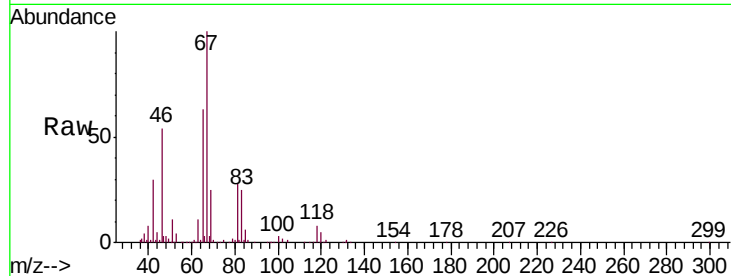




#37
 1,2-Dichloropropane
 Concen: 0.607 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV013669.D
 Acq: 18 Nov 2019 20:12

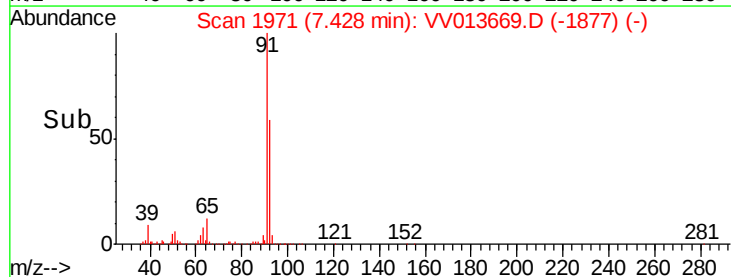
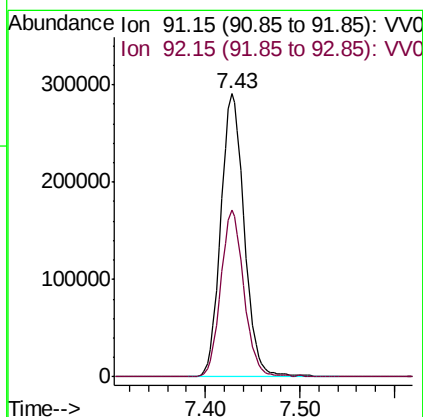
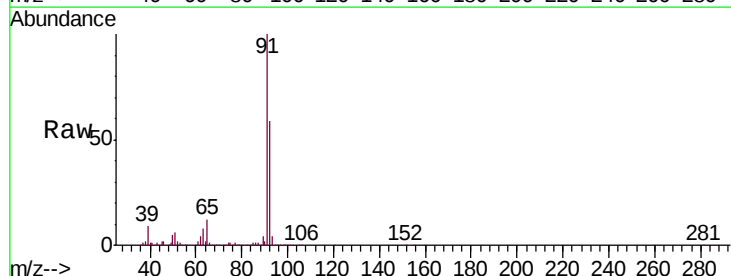
Instrument :
 MSVOA_V
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 GAQJ1MS

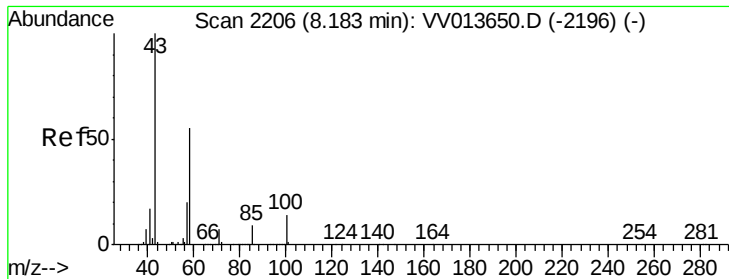
Tgt Ion: 63 Resp: 14180
 Ion Ratio Lower Upper
 63 100
 112 0.8 4.1 6.1#



#42
 Toluene
 Concen: 4.824 ug/L
 RT: 7.43 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VV013669.D
 Acq: 18 Nov 2019 20:12

Tgt Ion: 91 Resp: 502410
 Ion Ratio Lower Upper
 91 100
 92 58.9 41.2 76.6

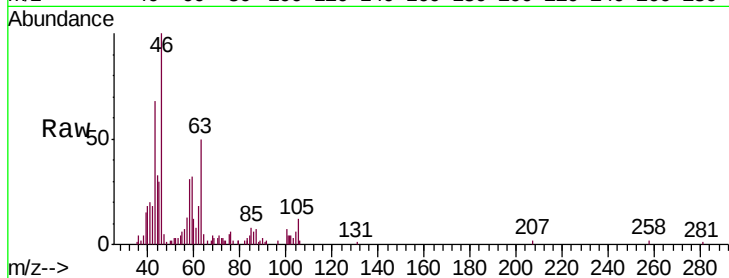




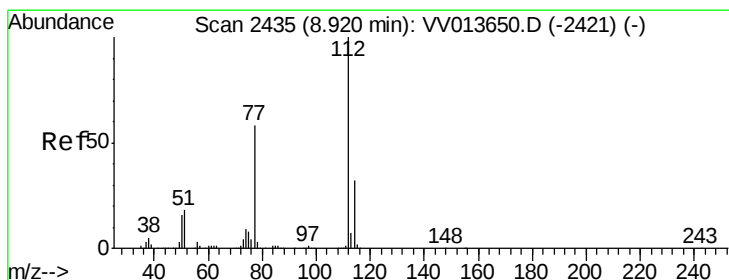
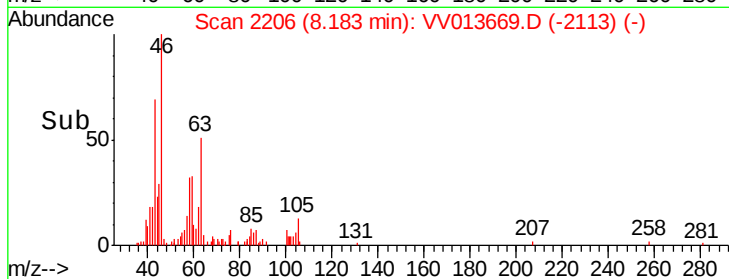
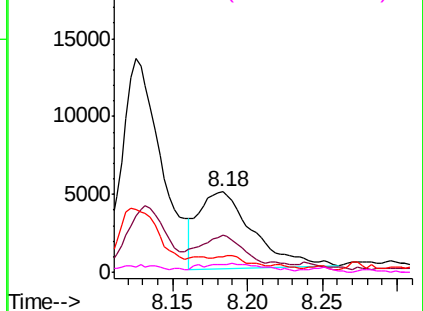
#48
2-Hexanone
Concen: 1.309 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013669.D
Acq: 18 Nov 2019 20:12

Instrument :
MSVOA_V
ClientSampleId :
GAQJ1MS

Tgt Ion:	43	Resp:	12606
Ion	Ratio	Lower	Upper
43	100		
58	30.6	43.0	64.6#
57	5.9	15.4	23.2#
100	11.0	10.1	15.1

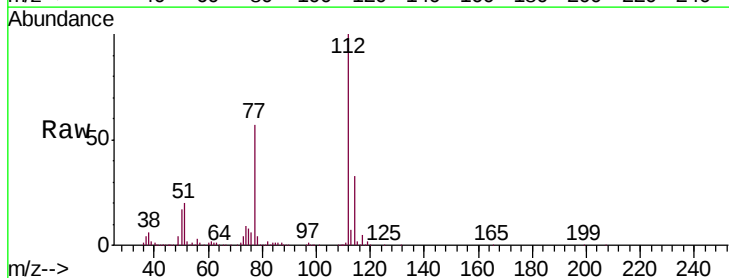


Abundance Ion 43.05 (42.75 to 43.75): VV013650.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV013650.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV013650.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV013650.D (-2196) (-)

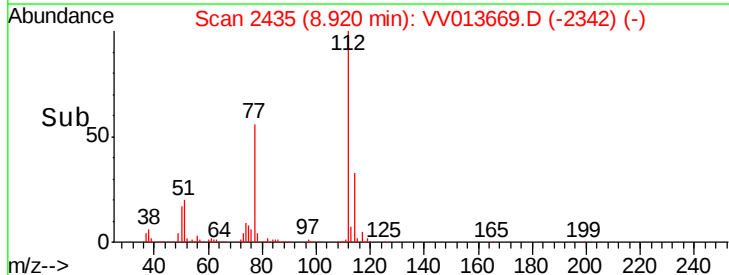
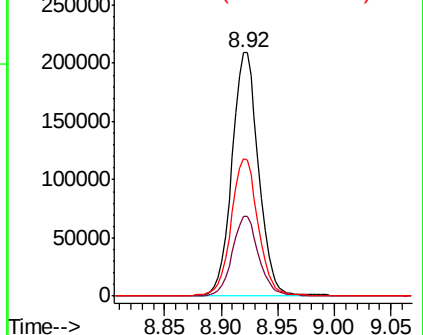


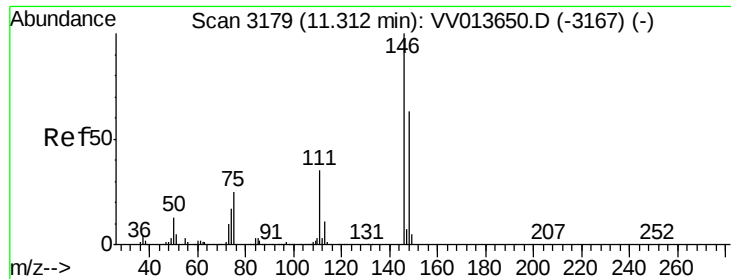
#51
Chlorobenzene
Concen: 4.978 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013669.D
Acq: 18 Nov 2019 20:12

Tgt Ion:	112	Resp:	343741
Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.8	42.4
77	56.6	45.0	67.4



Abundance Ion 112.10 (111.80 to 112.80): VV013650.D (-2421) (-)
Ion 114.05 (113.75 to 114.75): VV013650.D (-2421) (-)
Ion 77.10 (76.80 to 77.80): VV013650.D (-2421) (-)





#63
 1,4-Dichlorobenzene
 Concen: 0.091 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013669.D
 Acq: 18 Nov 2019 20:12

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQJ1MS

Tgt Ion:146 Resp: 4393
 Ion Ratio Lower Upper
 146 100
 111 48.0 25.6 47.6#
 148 78.8 45.6 84.8

