

Data File : VV012035.D
Acq On : 25 Jul 2019 18:31
Operator : SY/MD
Sample : K3958-22MS
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2A31MS

Quant Time: Jul 26 02:40:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 26 02:35:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	126844	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	120269	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	58566	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27662	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.59	69	24160	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.13	63	62213	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	3.96	46	107172	55.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.24%
24) Chloroform-d	4.40	84	81533	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.08	65	48190	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.10	84	169554	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.12	67	50248	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.36	98	151772	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	7.67	79	18778	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.13	63	86567	55.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	36379	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	63062	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

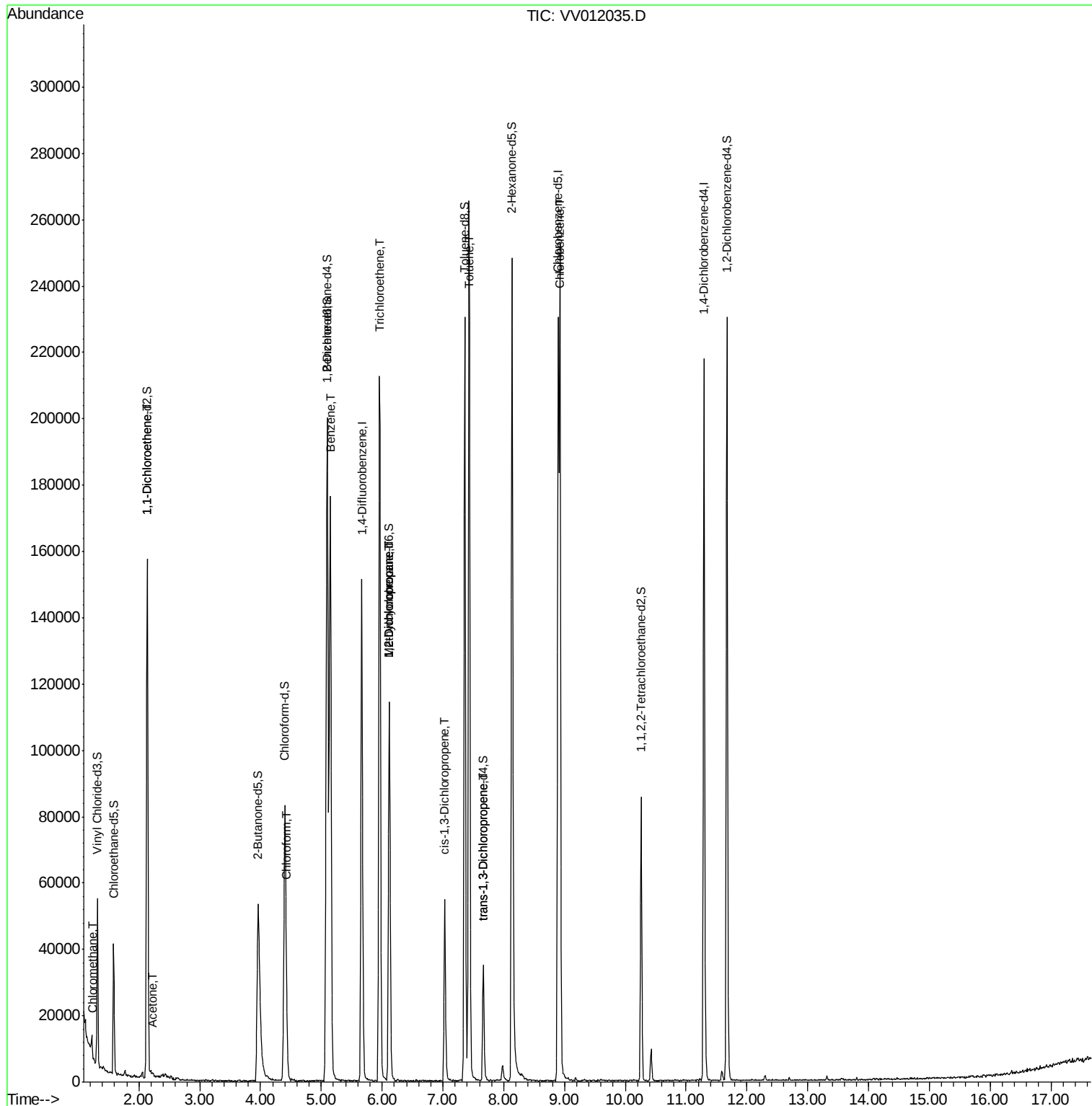
					Qvalue
3) Chloromethane	1.25	50	834	0.110 ug/L	83
12) 1,1-Dichloroethene	2.14	96	27250	4.720 ug/L	98
13) Acetone	2.22	43	1796	1.729 ug/L	88
25) Chloroform	4.43	83	8726	0.455 ug/L	98
33) Benzene	5.15	78	169187	4.782 ug/L	100
34) Trichloroethene	5.96	95	70258	7.151 ug/L	99
35) Methylcyclohexane	6.12	83	13177	0.862 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	6171	0.726 ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1321	0.105 ug/L #	60
42) Toluene	7.43	91	184932	4.870 ug/L	97
44) trans-1,3-Dichloropropene	7.66	75	1066	0.106 ug/L #	79
51) Chlorobenzene	8.93	112	126313	5.080 ug/L	96

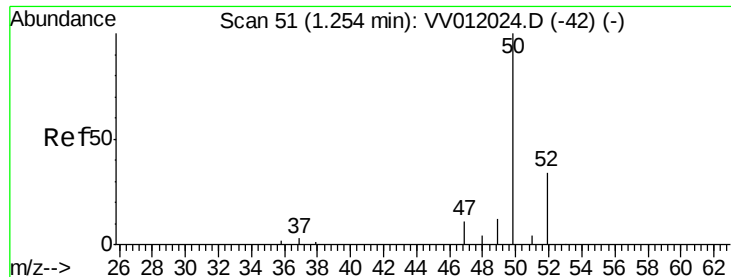
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.110 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

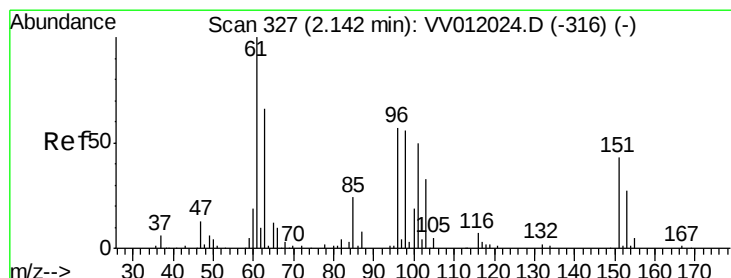
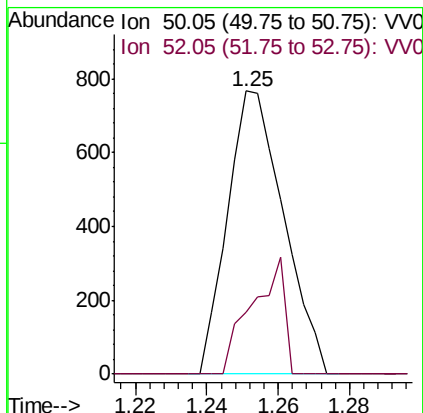
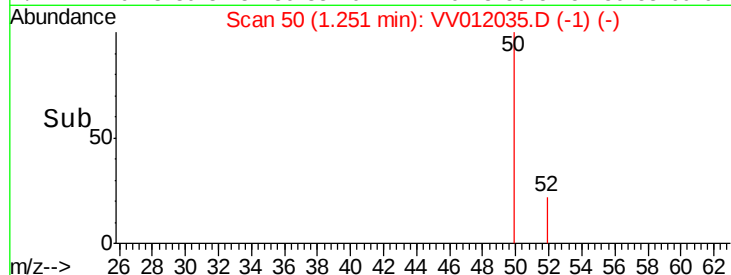
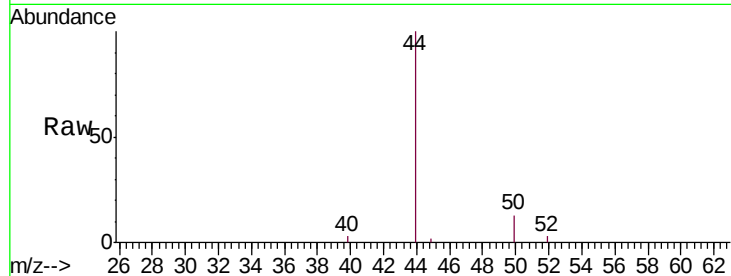
F2A31MS

Tgt Ion: 50 Resp: 834

Ion Ratio Lower Upper

50 100

52 21.8 21.6 40.2



#12

1,1-Dichloroethene

Concen: 4.720 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012035.D

Acq: 25 Jul 2019 18:31

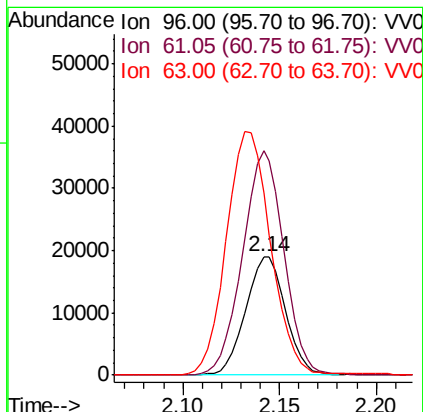
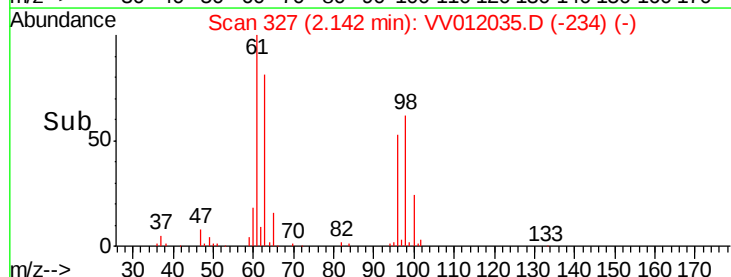
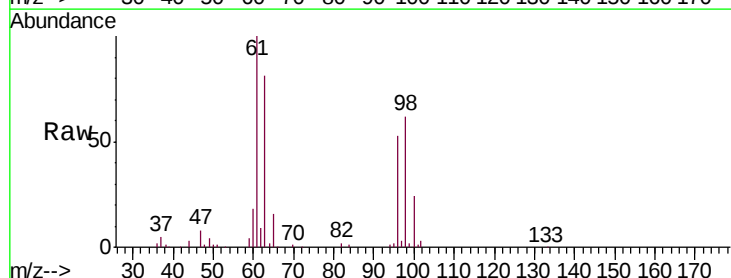
Tgt Ion: 96 Resp: 27250

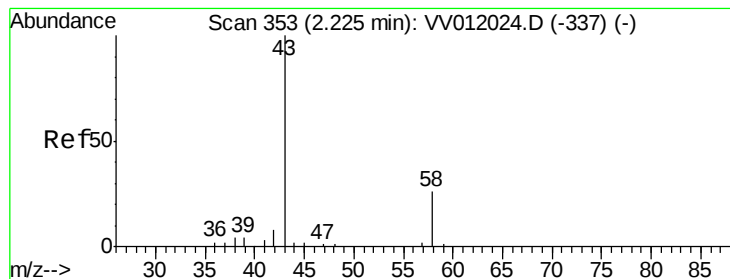
Ion Ratio Lower Upper

96 100

61 189.3 132.7 246.5

63 153.8 104.0 193.1





#13

Acetone

Concen: 1.729 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.01 min

Lab File: VV012035.D

Acq: 25 Jul 2019 18:31

Instrument :

MSVOA_V

ClientSampleId :

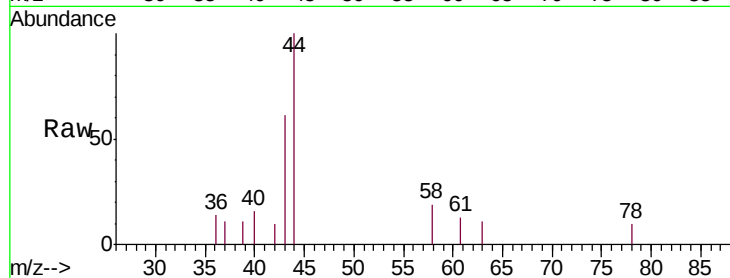
F2A31MS

Tgt Ion: 43 Resp: 1796

Ion Ratio Lower Upper

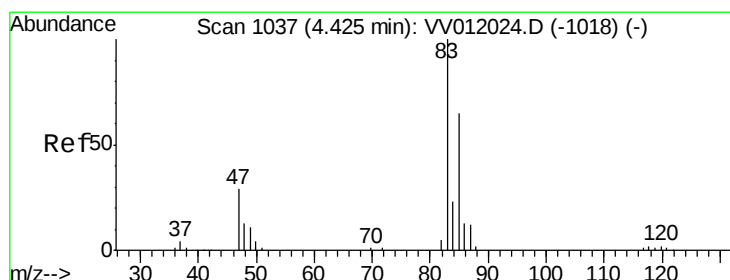
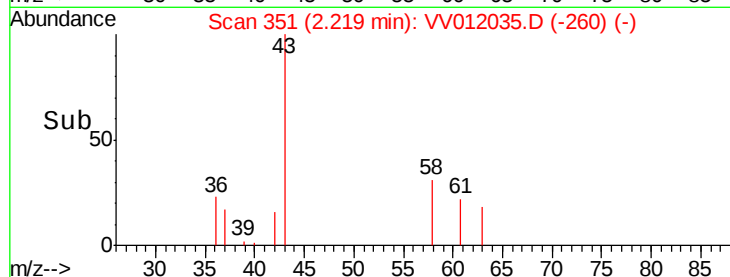
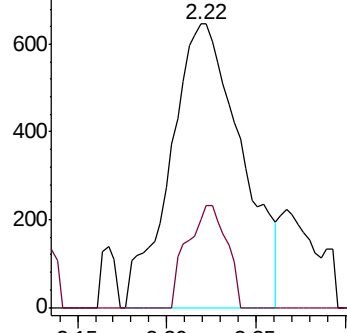
43 100

58 19.9 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#25

Chloroform

Concen: 0.455 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV012035.D

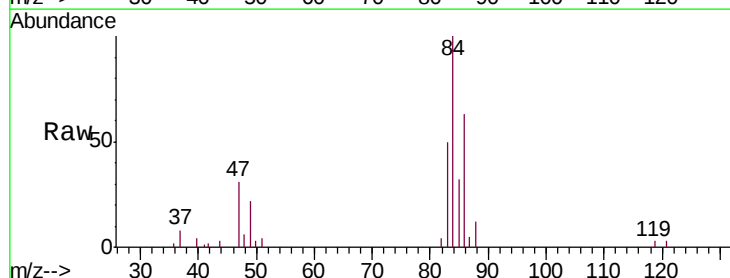
Acq: 25 Jul 2019 18:31

Tgt Ion: 83 Resp: 8726

Ion Ratio Lower Upper

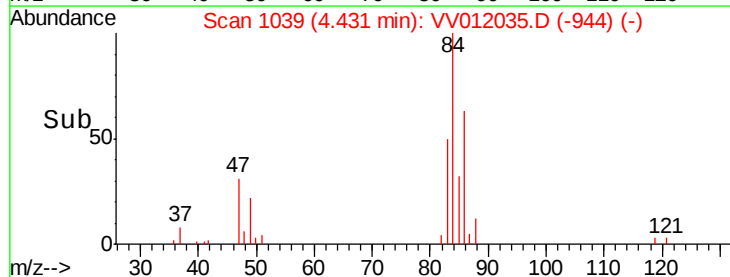
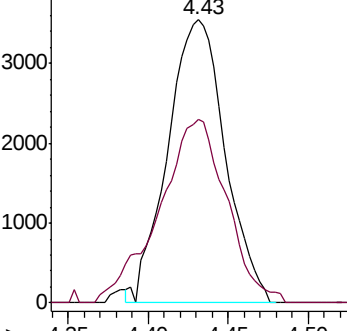
83 100

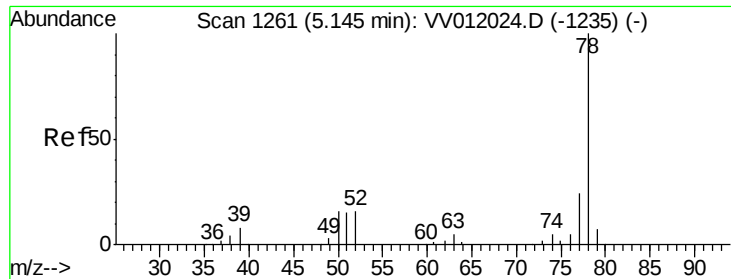
85 64.7 46.5 86.3



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 4.782 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV012035.D

Acq: 25 Jul 2019 18:31

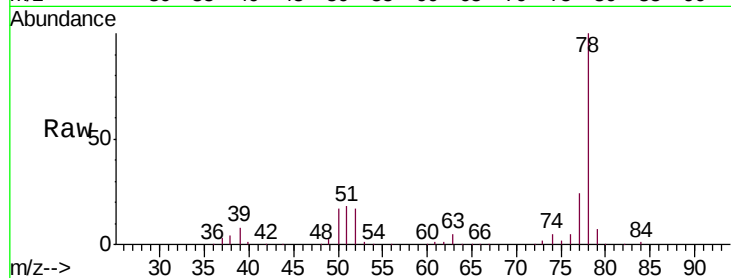
Instrument :

MSVOA_V

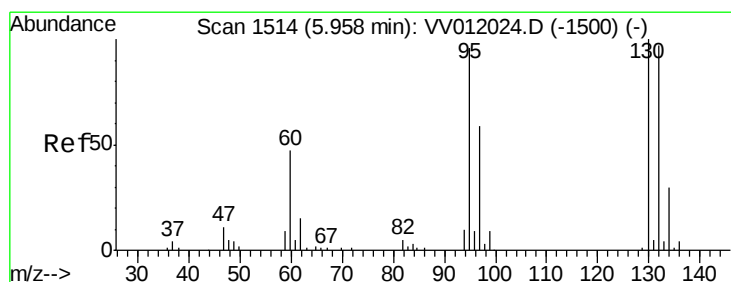
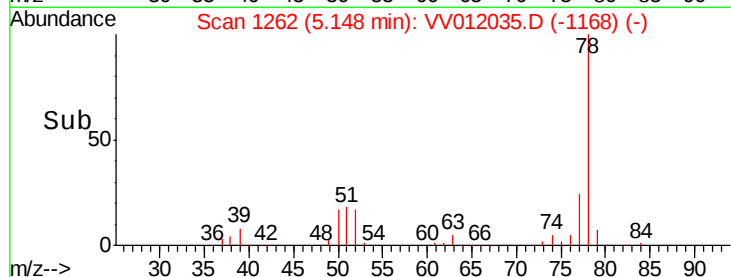
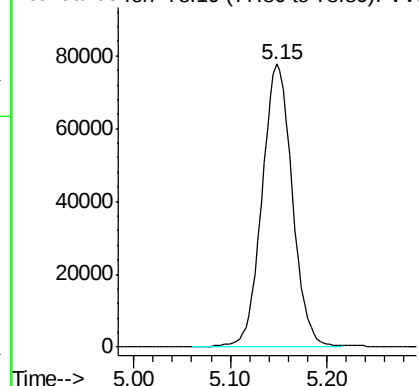
ClientSampleId :

F2A31MS

Tgt Ion: 78 Resp: 169187



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 7.151 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV012035.D

Acq: 25 Jul 2019 18:31

Tgt Ion: 95 Resp: 70258

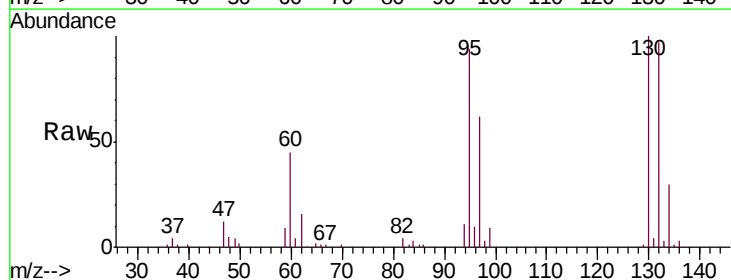
Ion Ratio Lower Upper

95 100

97 65.9 45.6 84.6

132 102.7 71.3 132.3

130 106.1 72.8 135.2

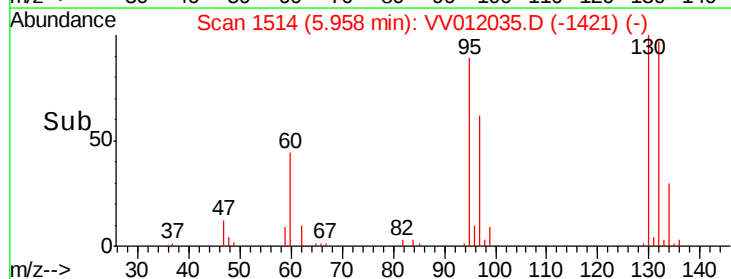
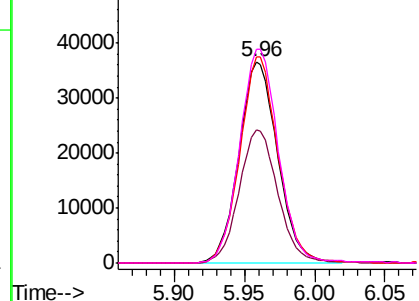


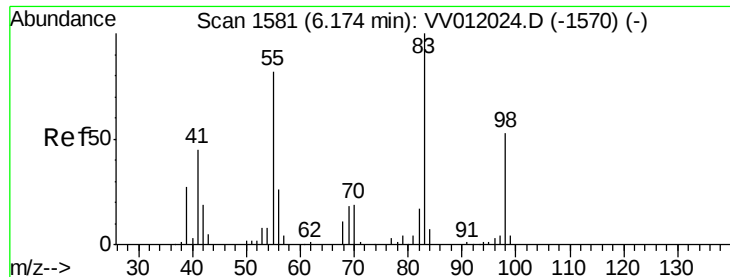
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

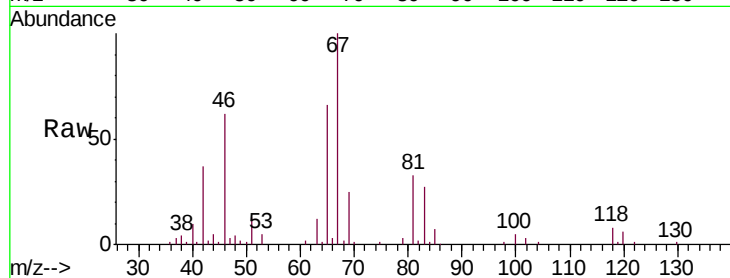




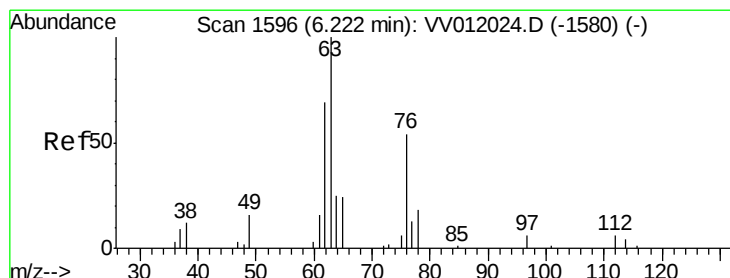
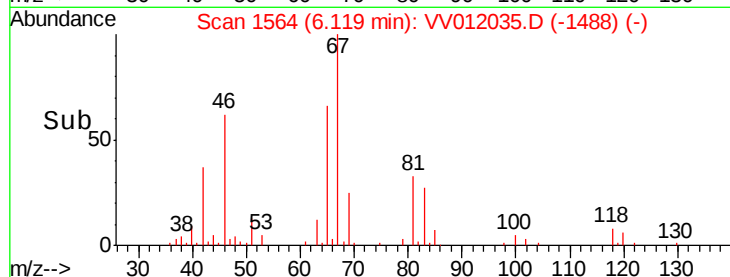
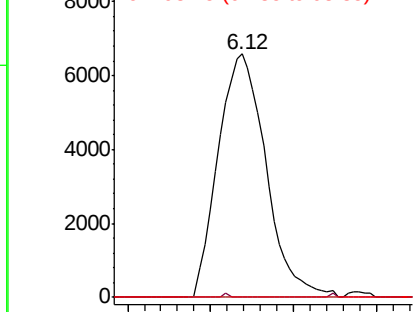
#35
Methylcyclohexane
Concen: 0.862 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV012035.D
Acq: 25 Jul 2019 18:31

Instrument :
MSVOA_V
ClientSampleId :
F2A31MS

Tgt Ion: 83 Resp: 13177
Ion Ratio Lower Upper
83 100
55 0.2 63.0 94.4#
98 0.0 41.4 62.0#

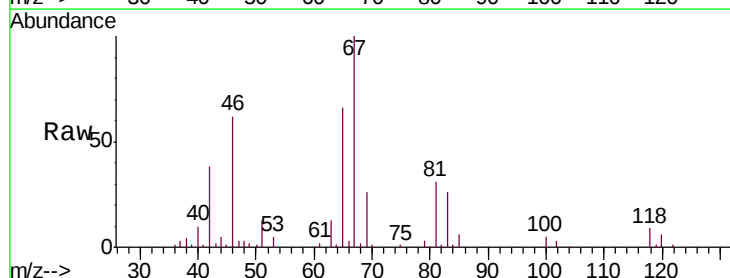


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

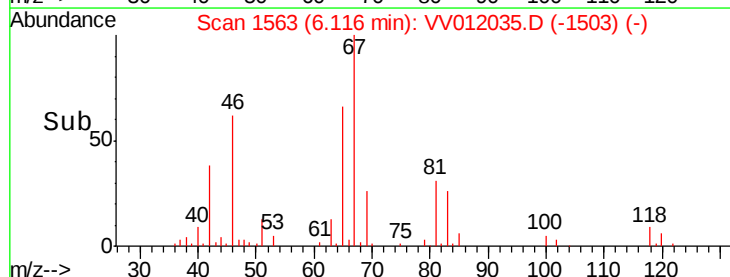
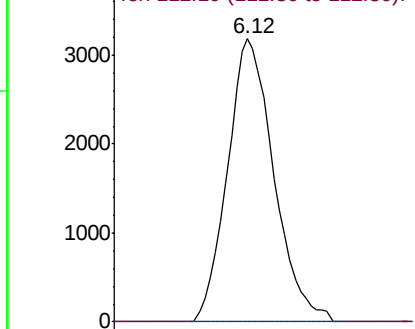


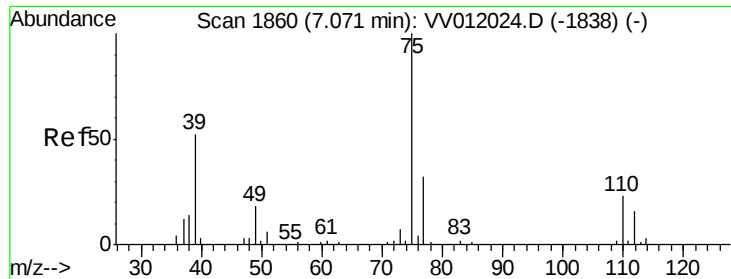
#37
1,2-Dichloropropane
Concen: 0.726 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.11 min
Lab File: VV012035.D
Acq: 25 Jul 2019 18:31

Tgt Ion: 63 Resp: 6171
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

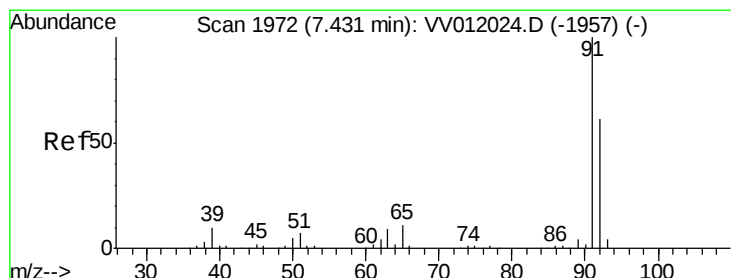
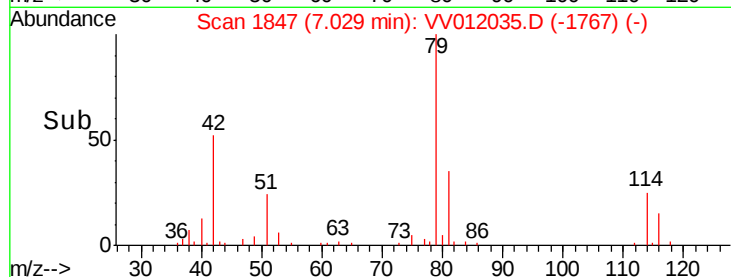
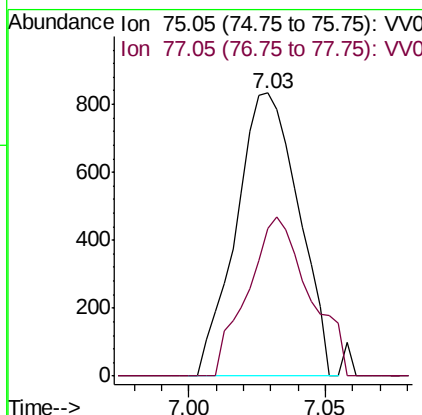
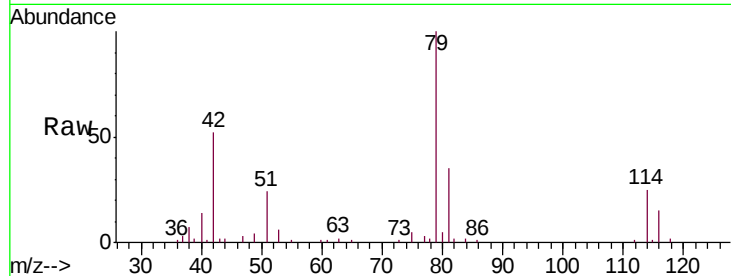




#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV012035.D
 Acq: 25 Jul 2019 18:31

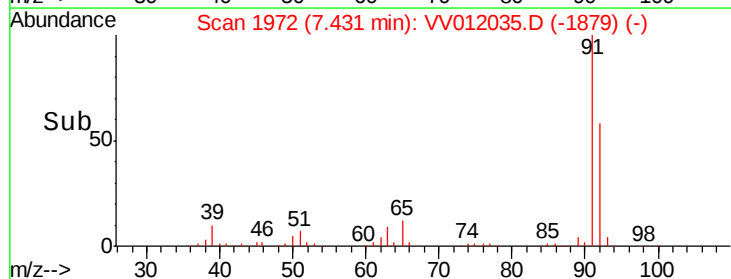
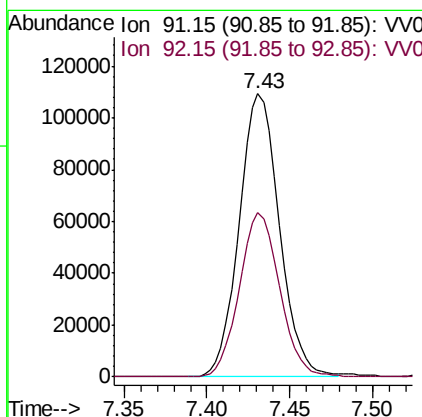
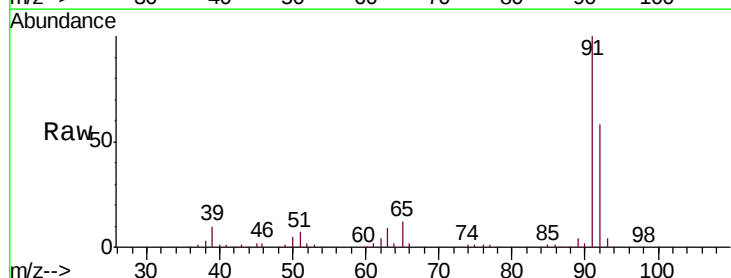
Instrument :
 MSVOA_V
 ClientSampleId :
 F2A31MS

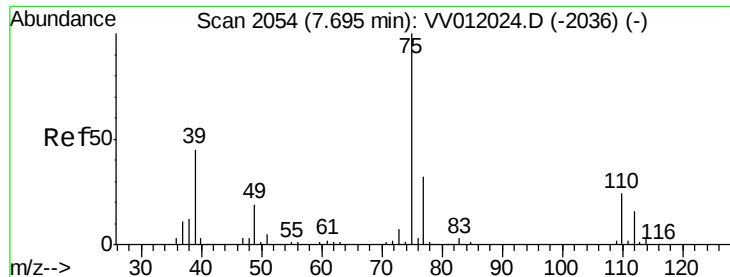
Tgt Ion: 75 Resp: 1321
 Ion Ratio Lower Upper
 75 100
 77 52.3 21.3 39.6#



#42
 Toluene
 Concen: 4.870 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VV012035.D
 Acq: 25 Jul 2019 18:31

Tgt Ion: 91 Resp: 184932
 Ion Ratio Lower Upper
 91 100
 92 57.9 41.9 77.9





#44

trans-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012035.D

Acq: 25 Jul 2019 18:31

Instrument :

MSVOA_V

ClientSampleId :

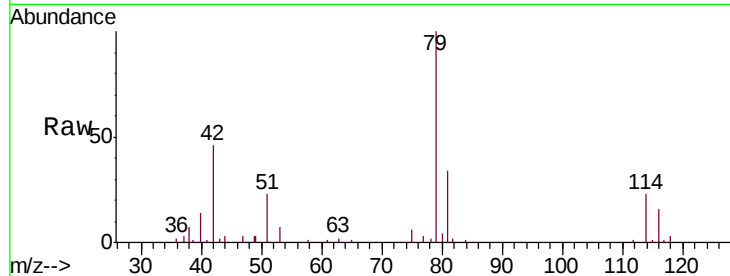
F2A31MS

Tgt Ion: 75 Resp: 1066

Ion Ratio Lower Upper

75 100

77 43.1 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.66

600

400

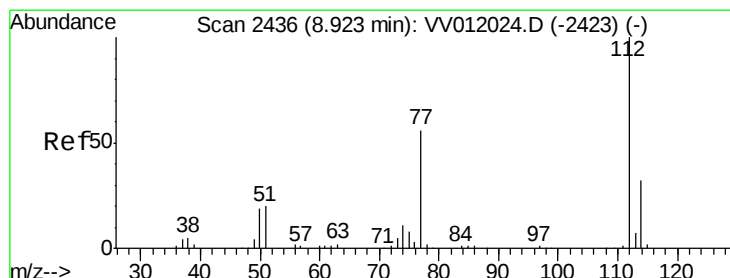
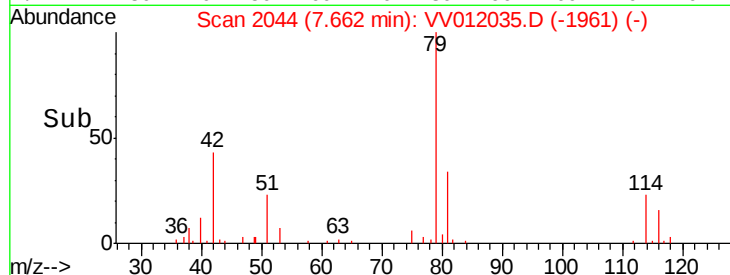
200

0

7.65

7.70

Time-->



#51

Chlorobenzene

Concen: 5.080 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV012035.D

Acq: 25 Jul 2019 18:31

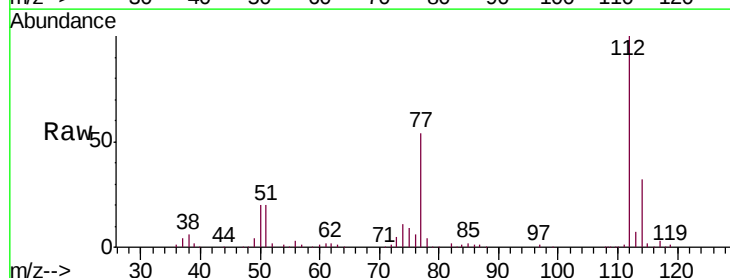
Tgt Ion: 112 Resp: 126313

Ion Ratio Lower Upper

112 100

114 31.6 23.0 42.8

77 54.1 46.4 69.6



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): VV0

8.93

100000

80000

60000

40000

20000

0

8.85

8.90

8.95

9.00

Time-->

