

Data File : VV010720.D
Acq On : 08 May 2019 09:39
Operator : SY/MD
Sample : K2690-22MS
Misc : 4.99G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5167MS

Quant Time: May 09 02:27:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Thu May 09 02:24:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	110220	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	107663	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41755	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	29894	17.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.84%
7) Chloroethane-d5	1.56	69	29016	20.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.36%
10) 1,1-Dichloroethene-d2	2.12	63	72805	19.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.40%
20) 2-Butanone-d5	3.92	46	27964	54.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.86%
24) Chloroform-d	4.39	84	72750	24.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	5.07	65	48308	25.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.96%
29) Benzene-d6	5.09	84	135551	23.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.68%
33) 1,2-Dichloropropane-d6	6.11	67	45888	25.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.64%
37) Toluene-d8	7.36	98	117291	21.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.44%
38) trans-1,3-Dichloropropene-	7.66	79	16896	20.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.12%
39) 2-Hexanone-d5	8.13	63	21311	56.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.80%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	44867	26.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	39827	24.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.52%

Target Compounds

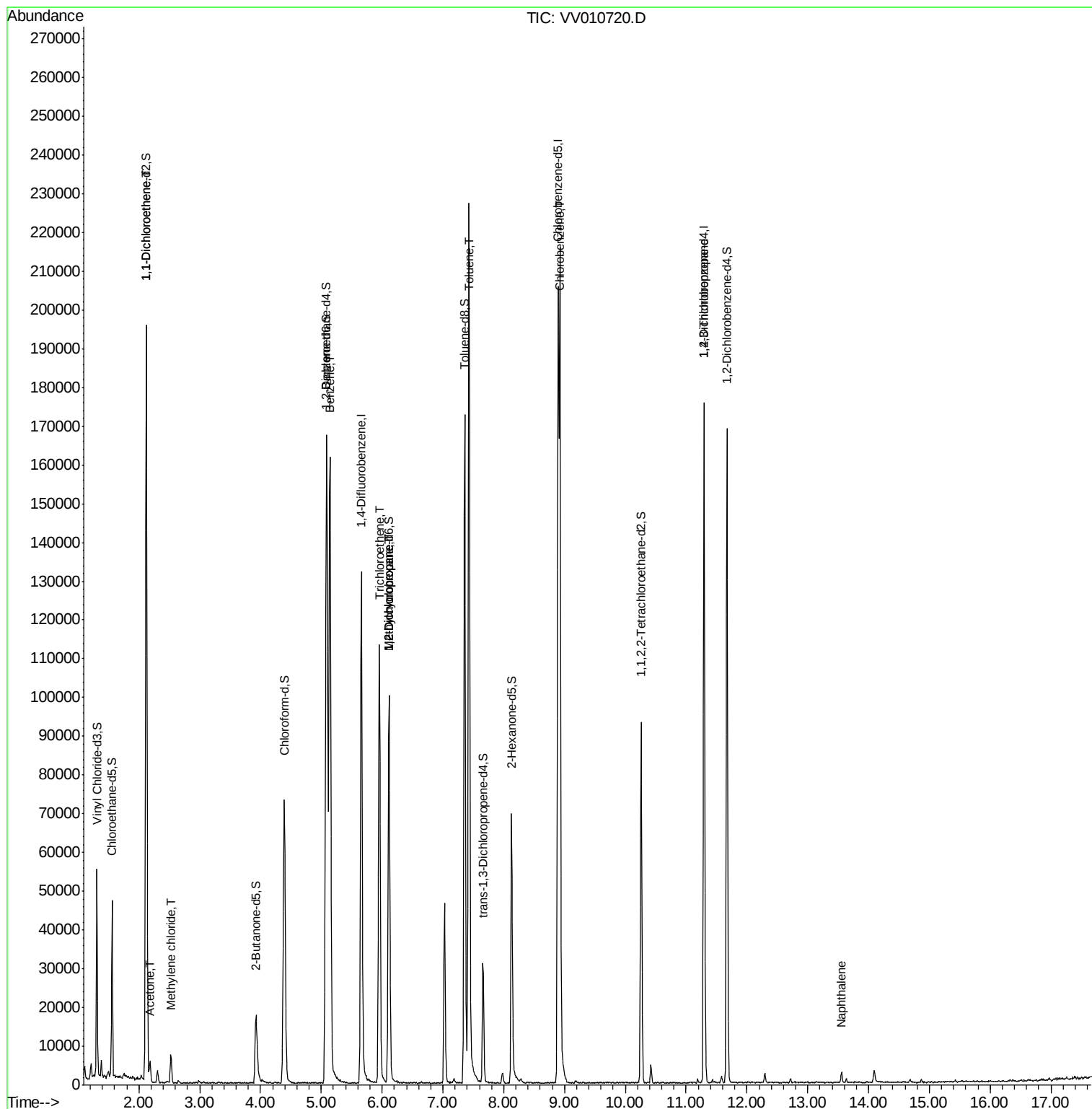
						Qvalue
12) 1,1-Dichloroethene	2.13	96	39540	22.787	ug/L	94
13) Acetone	2.18	43	5106	6.419	ug/L	93
16) Methylene chloride	2.52	84	3232	1.896	ug/L	84
34) Benzene	5.14	78	155704	24.636	ug/L	100
35) Trichloroethene	5.96	95	39602	22.369	ug/L	98
36) Methylcyclohexane	6.11	83	10889	3.838	ug/L #	17
40) 1,2-Dichloropropane	6.11	63	5307	3.156	ug/L #	87
44) Toluene	7.43	91	162457	22.632	ug/L	98
52) Chlorobenzene	8.92	112	104720	22.330	ug/L	99
59) 1,2,3-Trichloropropane	11.30	75	5855	4.146	ug/L #	87
69) Naphthalene	13.56	128	2610	0.753	ug/L #	91

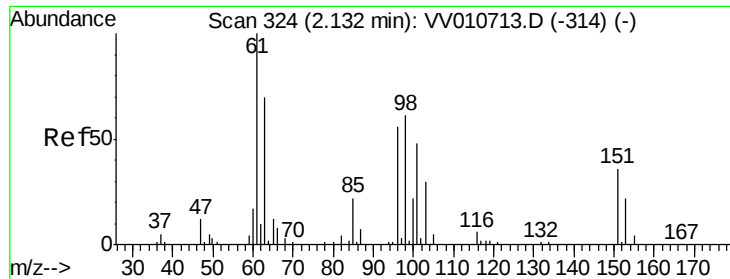
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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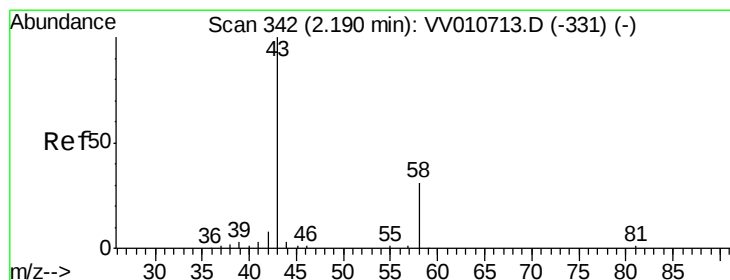
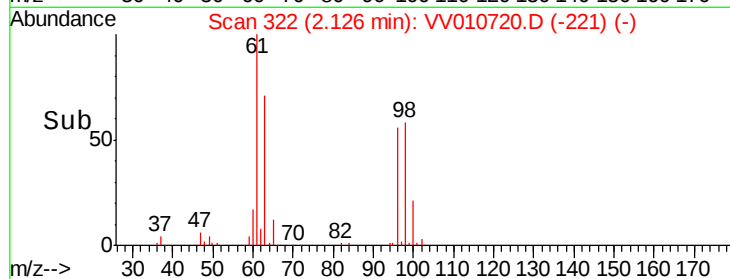
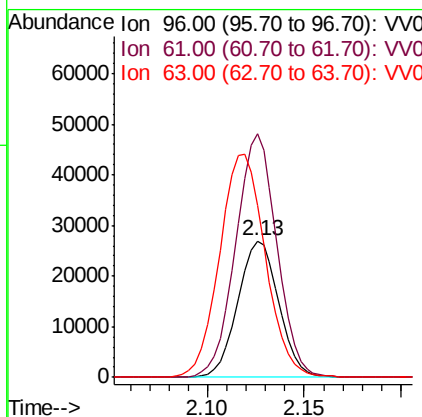
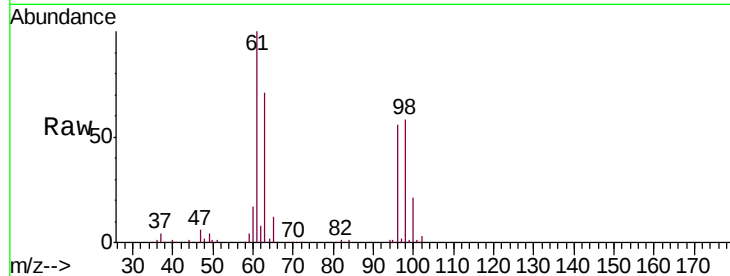




#12
 1,1-Dichloroethene
 Concen: 22.787 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.01 min
 Lab File: VV010720.D
 Acq: 08 May 2019 09:39

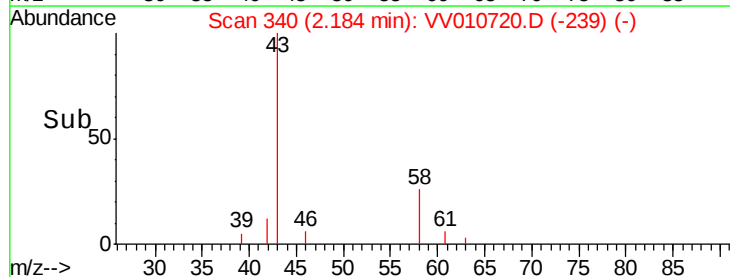
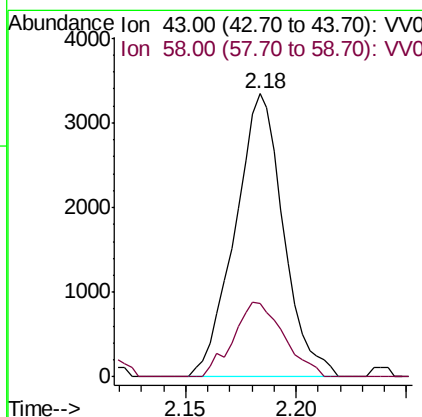
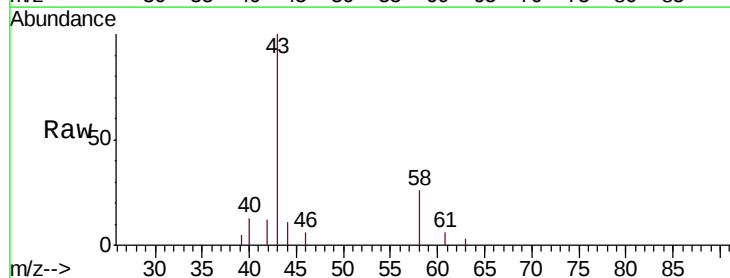
Instrument :
 MSVOA_V
 ClientSampled :
 A5167MS

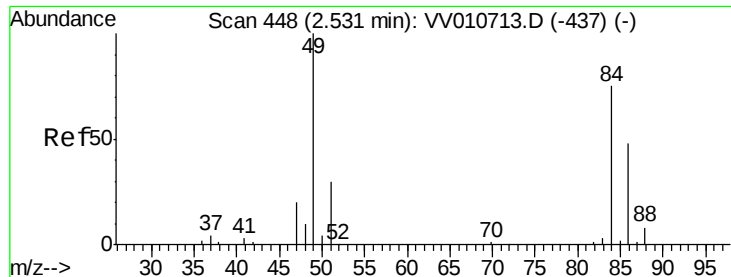
Tgt Ion:	96	Resp:	39540
Ion	Ratio	Lower	Upper
96	100		
61	178.8	120.3	223.3
63	126.4	82.9	153.9



#13
 Acetone
 Concen: 6.419 ug/L
 RT: 2.18 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VV010720.D
 Acq: 08 May 2019 09:39

Tgt Ion:	43	Resp:	5106
Ion	Ratio	Lower	Upper
43	100		
58	27.6	0.0	63.4

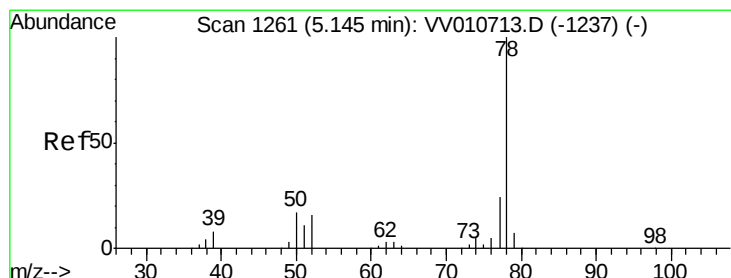
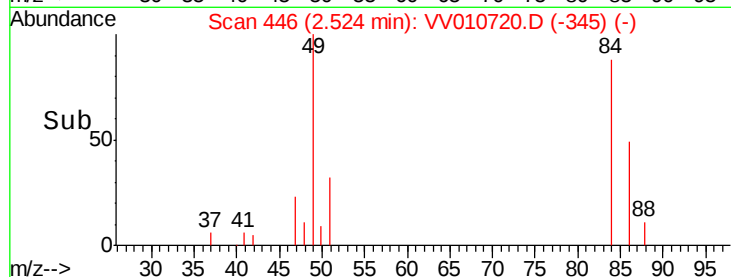
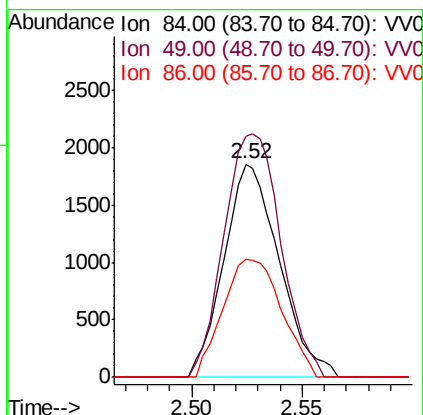
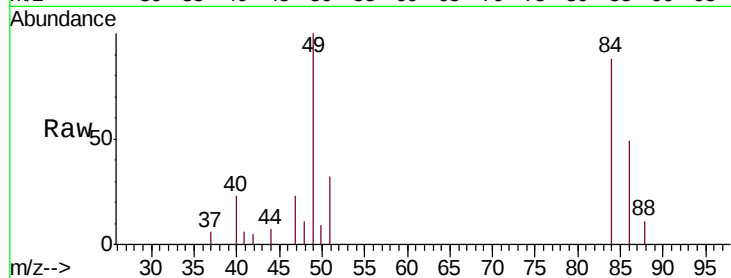




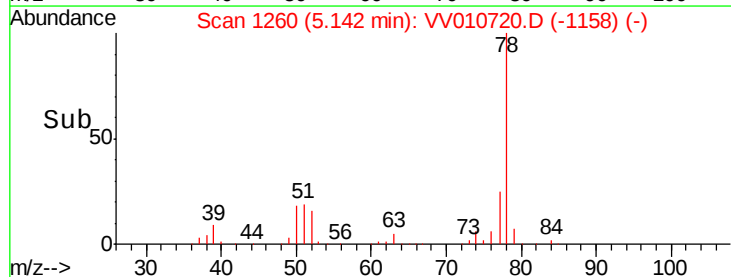
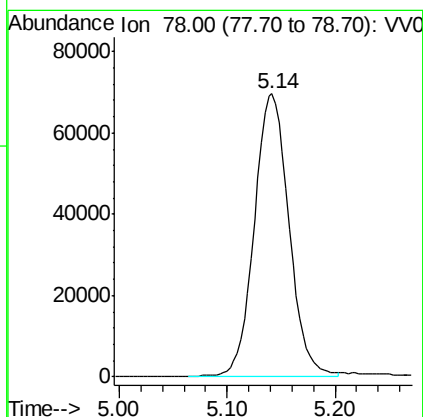
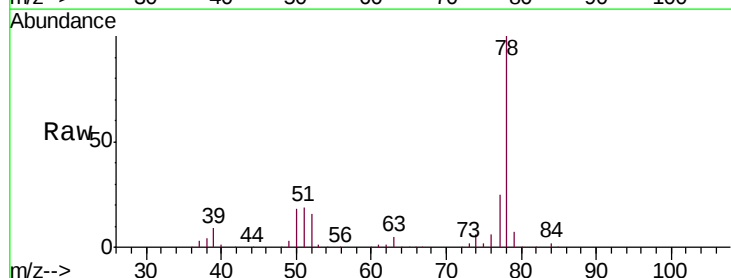
#16
Methylene chloride
Concen: 1.896 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.01 min
Lab File: VV010720.D
Acq: 08 May 2019 09:39

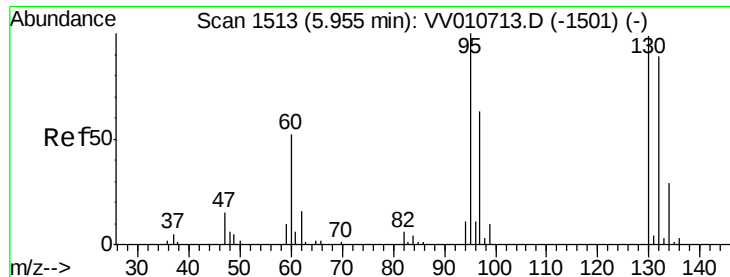
Instrument :
MSVOA_V
ClientSampled :
A5167MS

Tgt Ion: 84 Resp: 3232
Ion Ratio Lower Upper
84 100
49 113.3 92.9 172.5
86 55.2 46.5 86.5



#34
Benzene
Concen: 24.636 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV010720.D
Acq: 08 May 2019 09:39
Tgt Ion: 78 Resp: 155704





#35

Trichloroethene

Concen: 22.369 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV010720.D

Acq: 08 May 2019 09:39

Instrument :

MSVOA_V

ClientSampleId :

A5167MS

Tgt Ion: 95 Resp: 39602

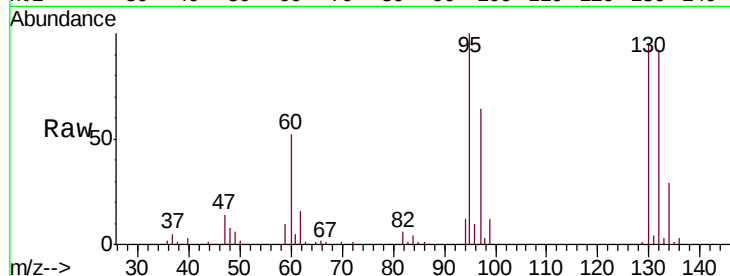
Ion Ratio Lower Upper

95 100

97 64.1 44.3 82.3

132 89.8 62.4 115.8

130 93.8 68.5 127.3

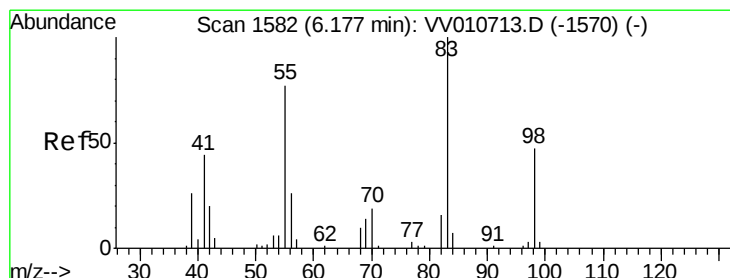
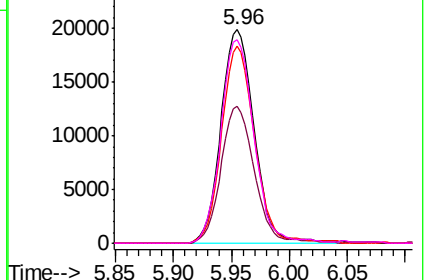
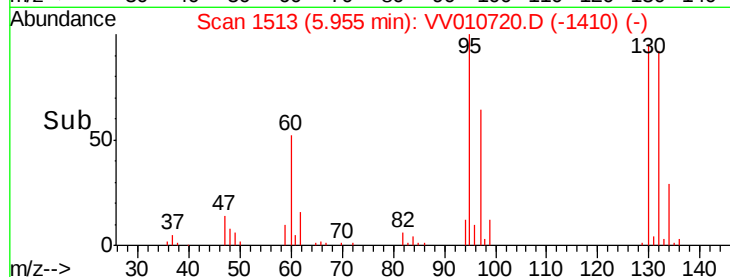


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 3.838 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV010720.D

Acq: 08 May 2019 09:39

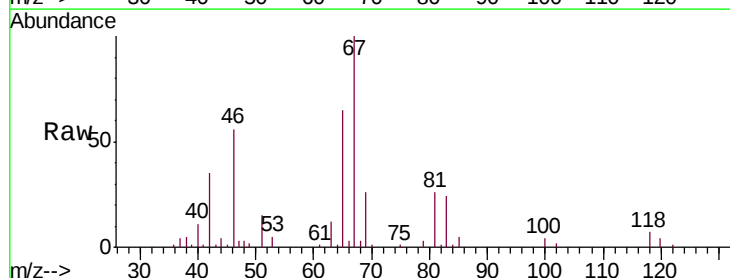
Tgt Ion: 83 Resp: 10889

Ion Ratio Lower Upper

83 100

55 0.0 64.6 96.8#

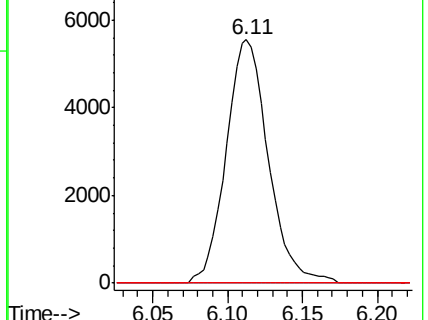
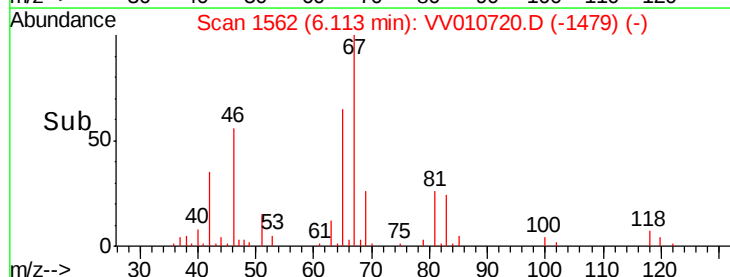
98 0.0 37.7 56.5#

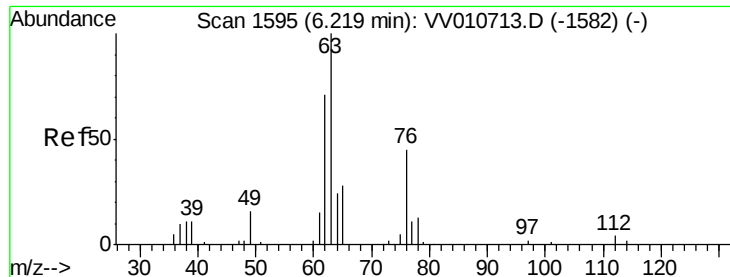


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

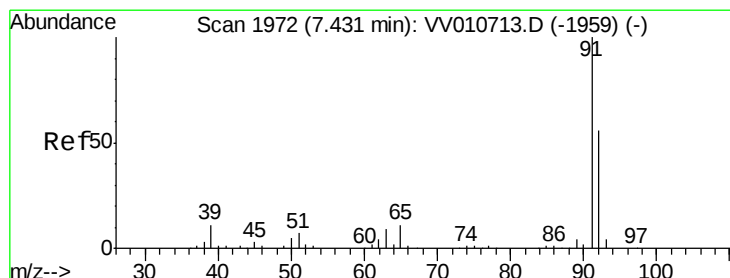
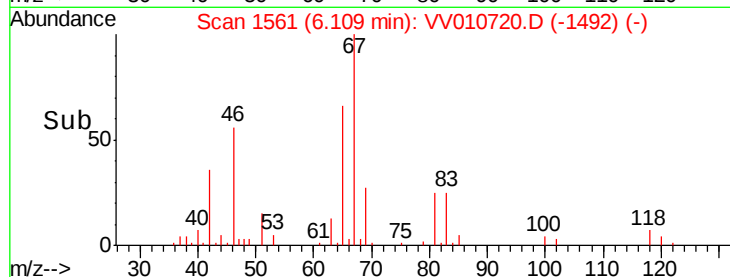
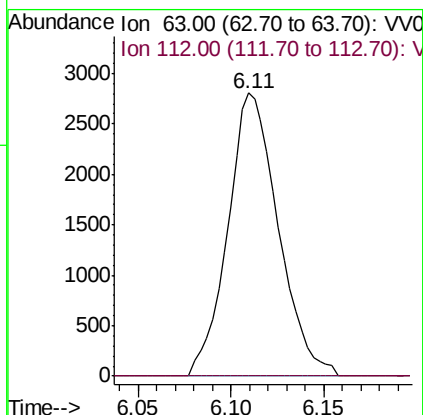
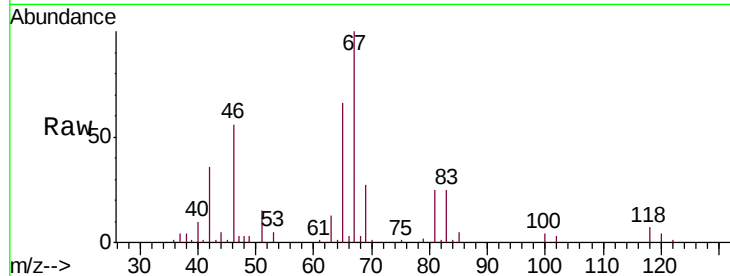




#40
 1,2-Dichloropropane
 Concen: 3.156 ug/L
 RT: 6.11 min Scan# 1561
 Delta R.T. -0.11 min
 Lab File: VV010720.D
 Acq: 08 May 2019 09:39

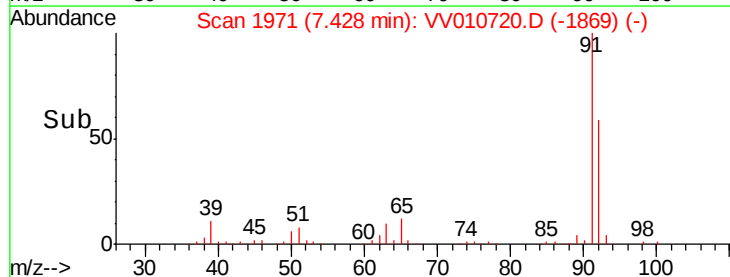
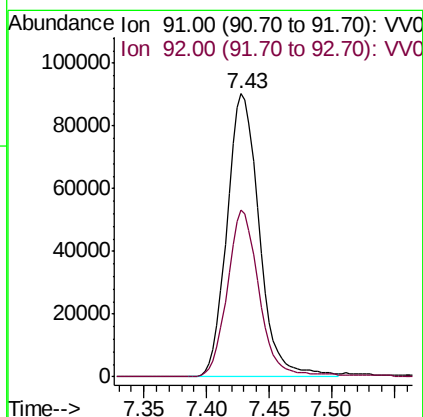
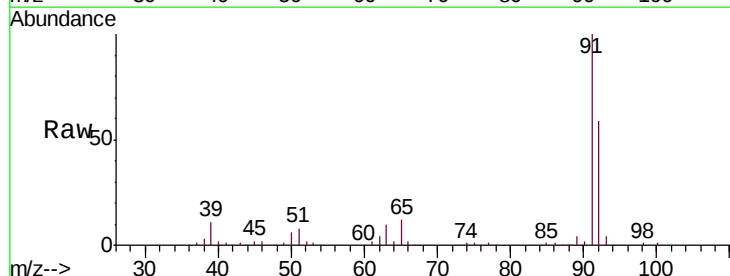
Instrument :
 MSVOA_V
 ClientSampleId :
 A5167MS

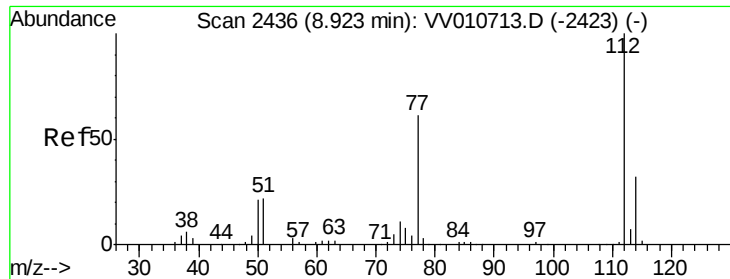
Tgt Ion: 63 Resp: 5307
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#44
 Toluene
 Concen: 22.632 ug/L
 RT: 7.43 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VV010720.D
 Acq: 08 May 2019 09:39

Tgt Ion: 91 Resp: 162457
 Ion Ratio Lower Upper
 91 100
 92 58.9 40.1 74.5





#52

Chlorobenzene

Concen: 22.330 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010720.D

Acq: 08 May 2019 09:39

Instrument :

MSVOA_V

ClientSampleId :

A5167MS

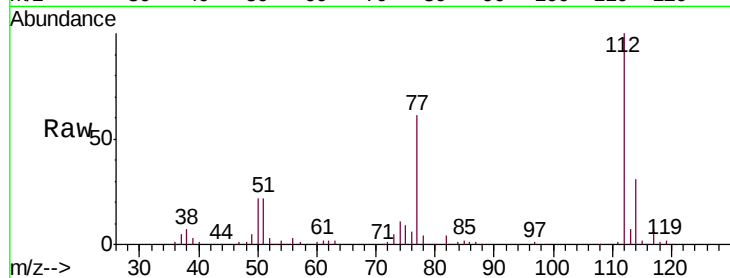
Tgt Ion: 112 Resp: 104720

Ion Ratio Lower Upper

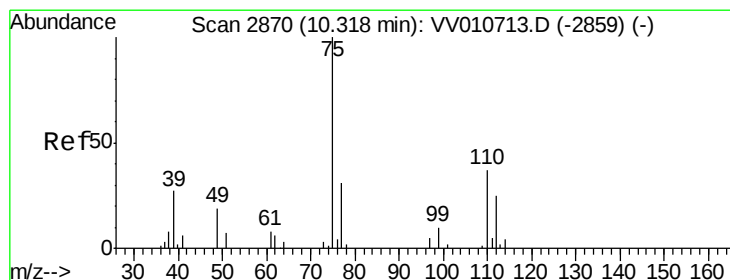
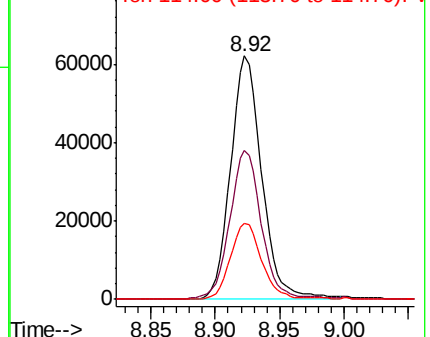
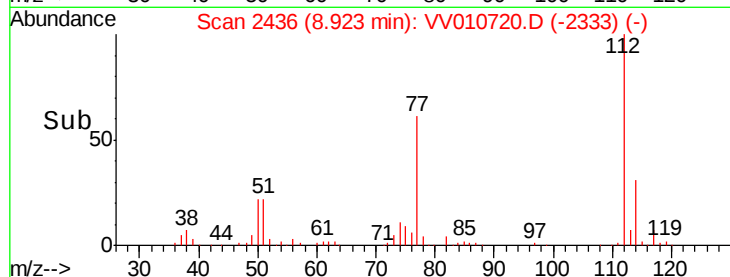
112 100

77 61.0 47.7 71.5

114 31.3 22.1 41.1



Abundance Ion 112.00 (111.70 to 112.70): VV010720.D (-2333) (-)



#59

1,2,3-Trichloropropane

Concen: 4.146 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010720.D

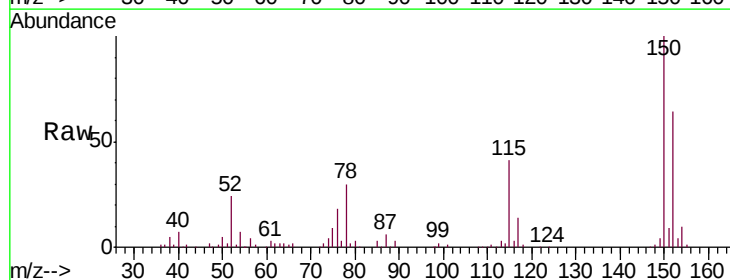
Acq: 08 May 2019 09:39

Tgt Ion: 75 Resp: 5855

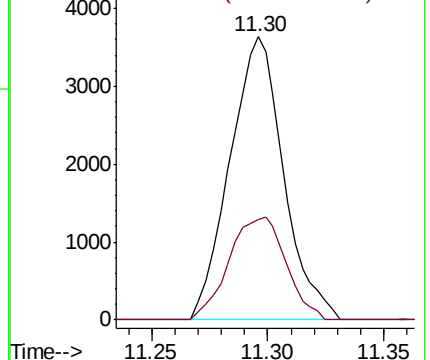
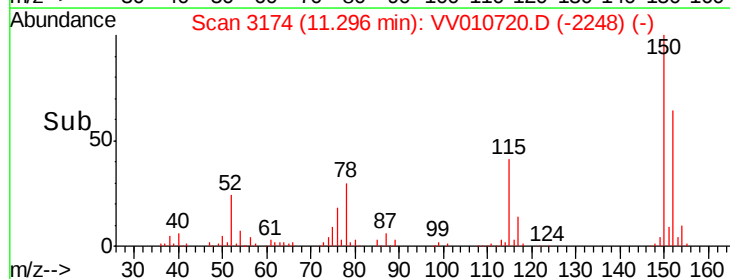
Ion Ratio Lower Upper

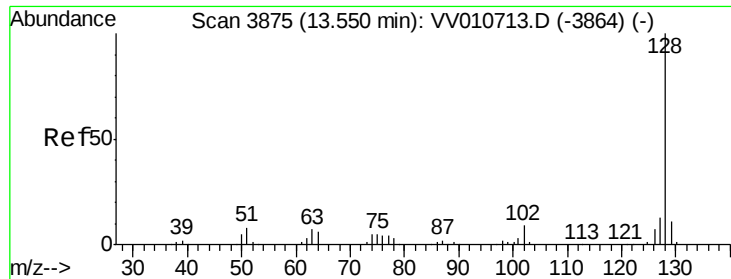
75 100

77 38.3 25.0 37.6#



Abundance Ion 75.00 (74.70 to 75.70): VV010720.D (-2248) (-)





#69

Naphthalene

Concen: 0.753 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

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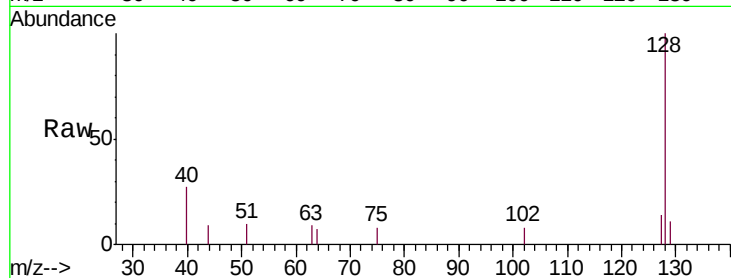
Tgt Ion:128 Resp: 2610

Ion Ratio Lower Upper

128 100

129 6.6 8.3 12.5#

127 10.0 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

