

Data File : VV012008.D
Acq On : 24 Jul 2019 13:57
Operator : SY/MD
Sample : K3890-08MSD
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52J2MSD

Quant Time: Jul 25 04:15:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 25 04:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	137883	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	131914	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	64936	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31254	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.58	69	27763	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.14	63	65977	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.60%
20) 2-Butanone-d5	3.93	46	104019	49.66	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.32%
24) Chloroform-d	4.40	84	85887	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.08	65	51477	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	5.10	84	178891	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.12	67	52234	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.36	98	160639	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.66	79	20143	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.13	63	86478	50.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35938	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	64706	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

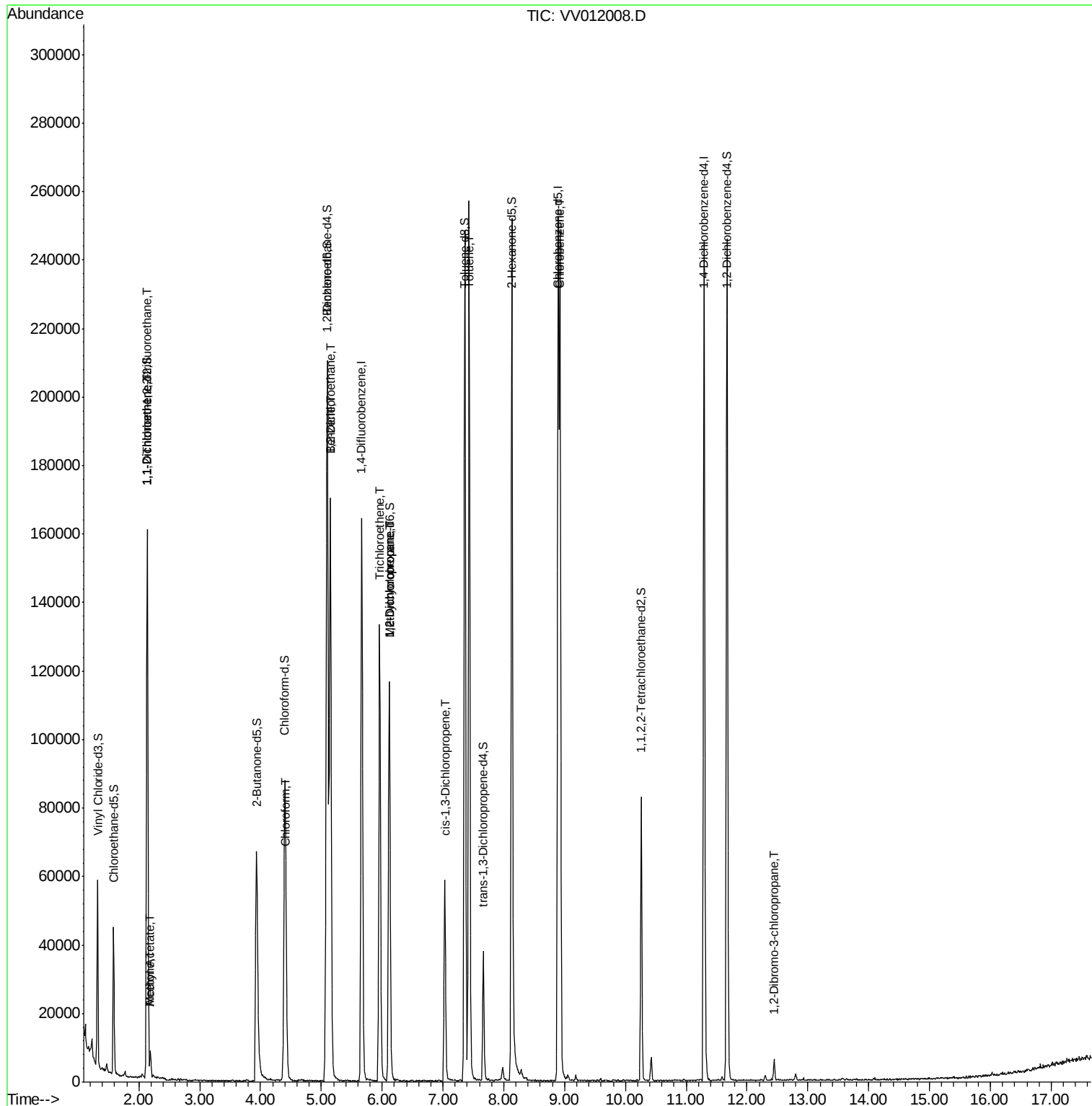
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	589	0.084	ug/L #	17
12) 1,1-Dichloroethene	2.15	96	26311	4.193	ug/L	88
13) Acetone	2.19	43	6024	5.335	ug/L	97
15) Methyl Acetate	2.19	43	5214	2.115	ug/L #	45
25) Chloroform	4.43	83	7694	0.369	ug/L	98
27) 1,2-Dichloroethane	5.15	62	1684	0.145	ug/L #	76
33) Benzene	5.15	78	164335	4.235	ug/L	100
34) Trichloroethene	5.96	95	44225	4.104	ug/L	98
35) Methylcyclohexane	6.12	83	13748	0.820	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	6440	0.690	ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1617	0.117	ug/L #	67
42) Toluene	7.43	91	180946	4.344	ug/L	98
51) Chlorobenzene	8.92	112	124058	4.549	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.44	75	1126	0.991	ug/L #	1

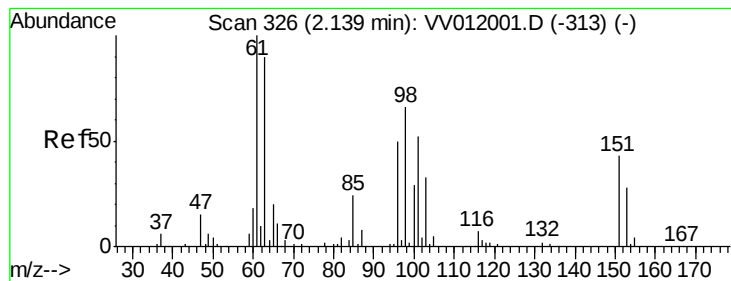
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.084 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012008.D

Acq: 24 Jul 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

A52J2MSD

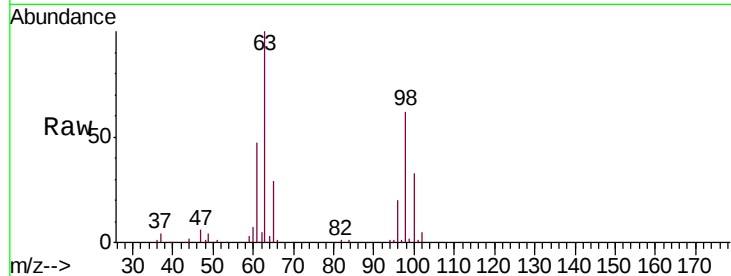
Tgt Ion: 101 Resp: 589

Ion Ratio Lower Upper

101 100

85 3.4 37.0 55.6#

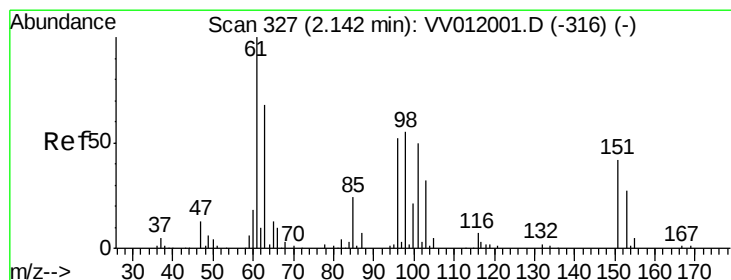
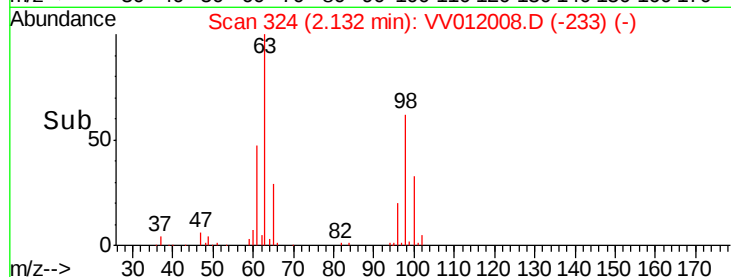
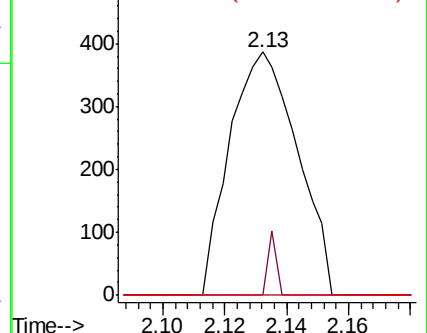
151 0.0 68.3 102.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.193 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV012008.D

Acq: 24 Jul 2019 13:57

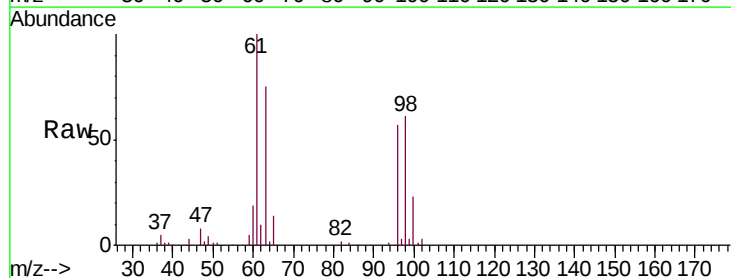
Tgt Ion: 96 Resp: 26311

Ion Ratio Lower Upper

96 100

61 174.8 132.7 246.5

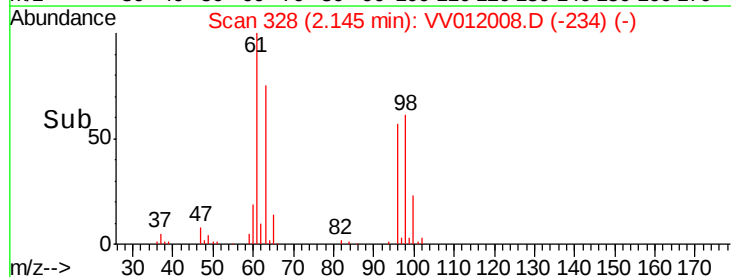
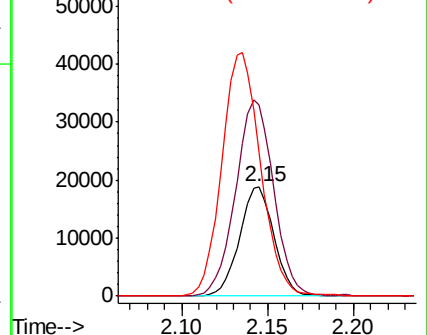
63 131.1 104.0 193.1

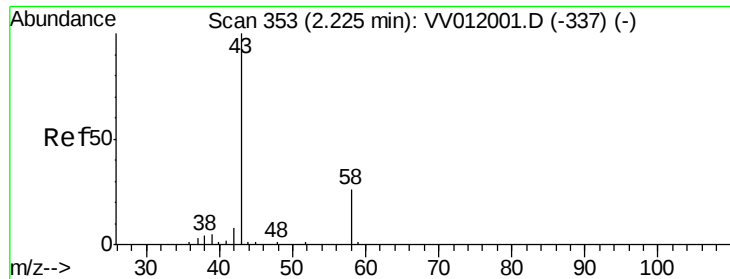


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.335 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.04 min

Lab File: VV012008.D

Acq: 24 Jul 2019 13:57

Instrument :

MSVOA_V

ClientSampleId :

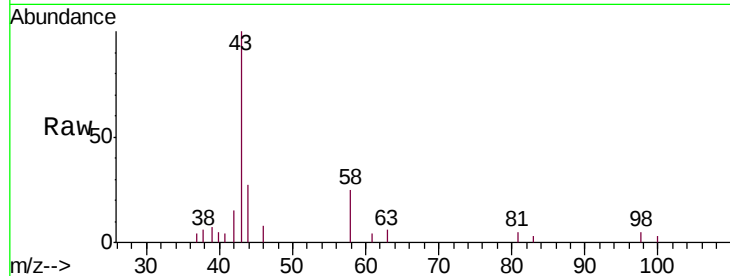
A52J2MSD

Tgt Ion: 43 Resp: 6024

Ion Ratio Lower Upper

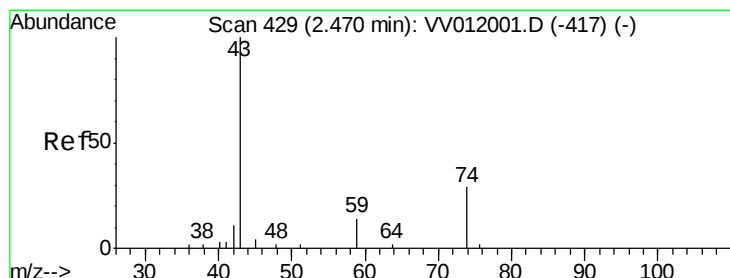
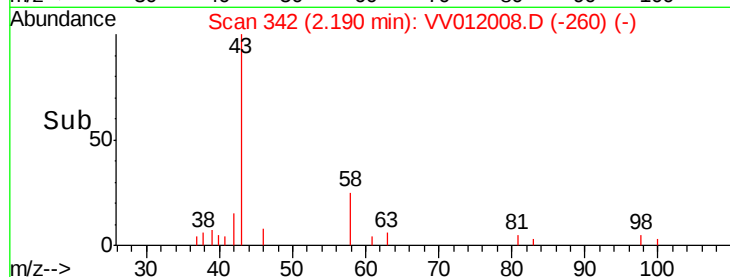
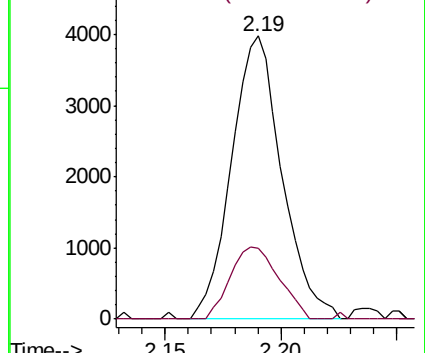
43 100

58 24.5 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#15

Methyl Acetate

Concen: 2.115 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.28 min

Lab File: VV012008.D

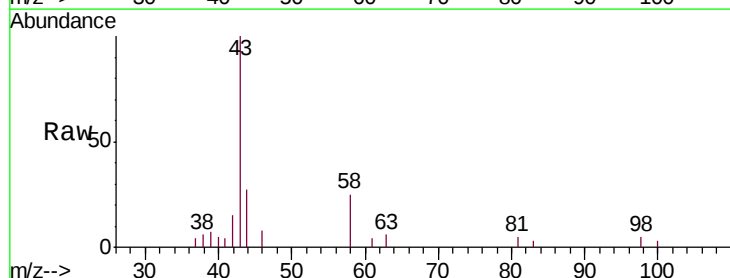
Acq: 24 Jul 2019 13:57

Tgt Ion: 43 Resp: 5214

Ion Ratio Lower Upper

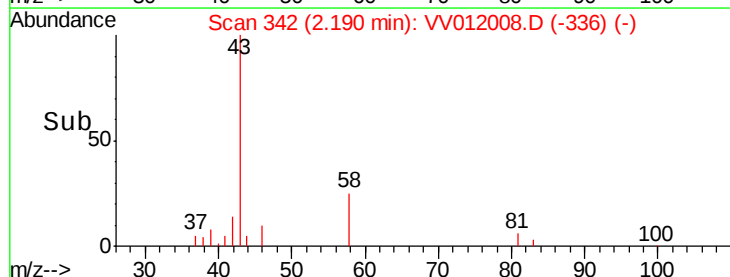
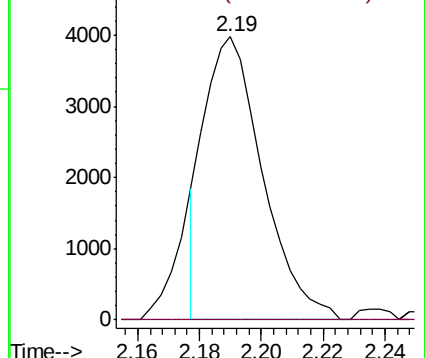
43 100

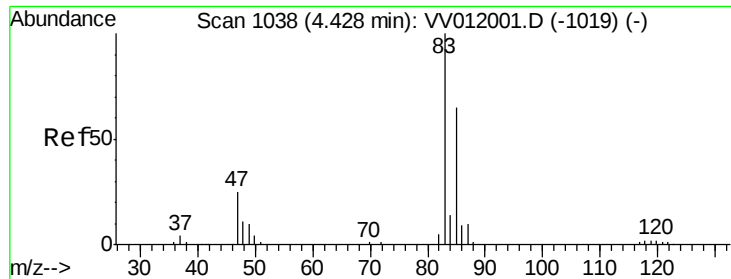
74 0.0 23.4 35.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

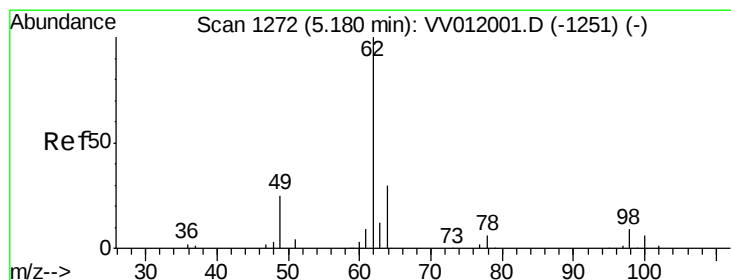
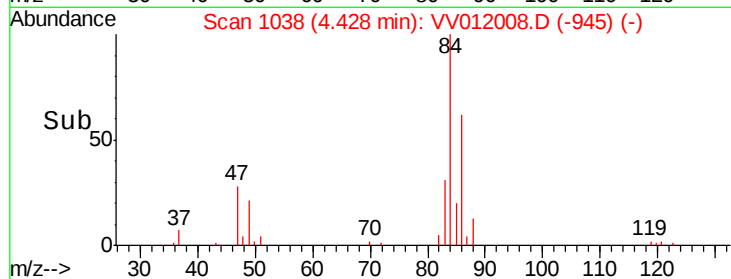
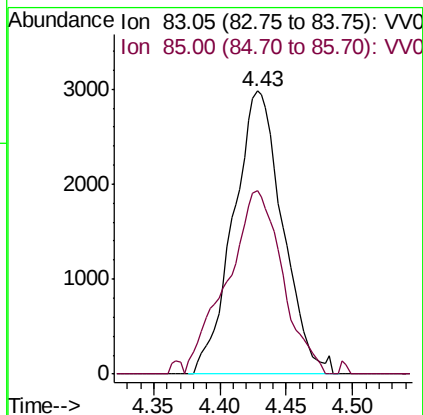
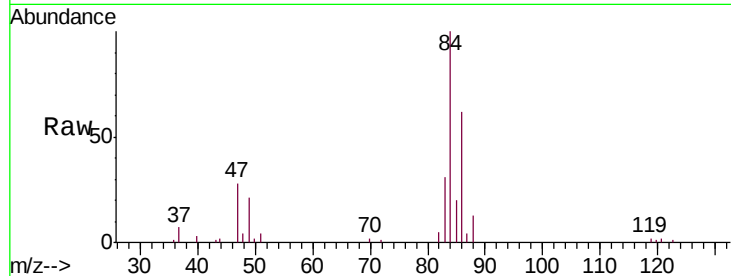




#25
Chloroform
Concen: 0.369 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012008.D
Acq: 24 Jul 2019 13:57

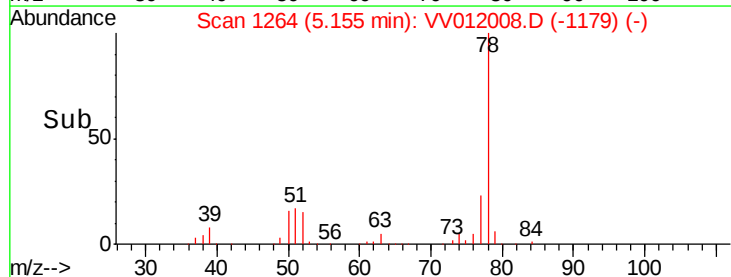
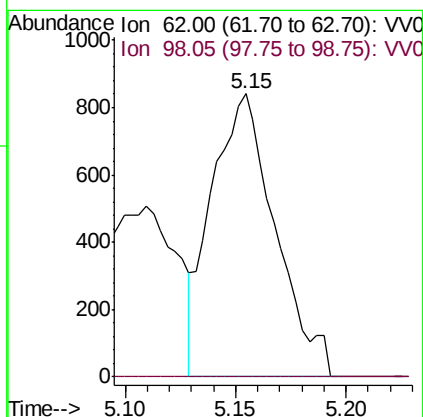
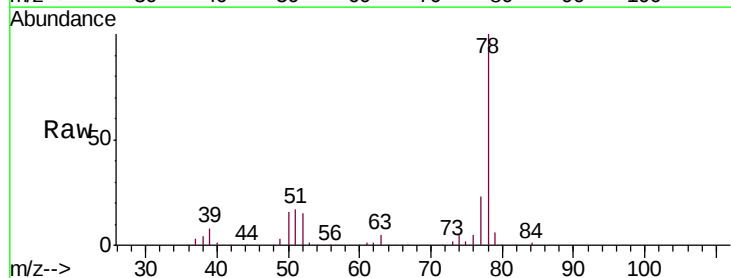
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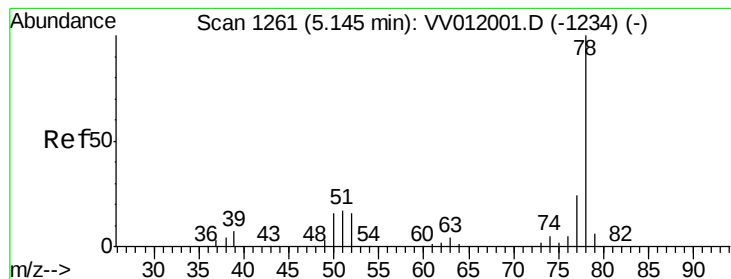
Tgt Ion: 83 Resp: 7694
Ion Ratio Lower Upper
83 100
85 64.7 46.5 86.3



#27
1,2-Dichloroethane
Concen: 0.145 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.03 min
Lab File: VV012008.D
Acq: 24 Jul 2019 13:57

Tgt Ion: 62 Resp: 1684
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.6#





#33

Benzene

Concen: 4.235 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV012008.D

Acq: 24 Jul 2019 13:57

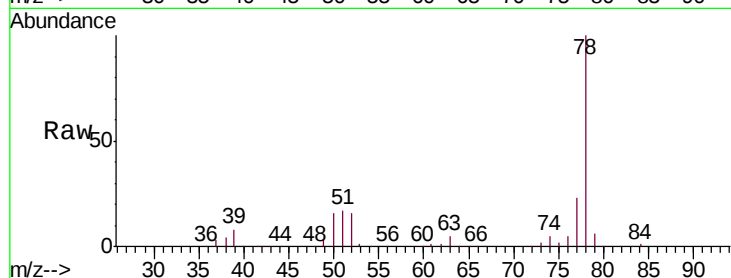
Instrument :

MSVOA_V

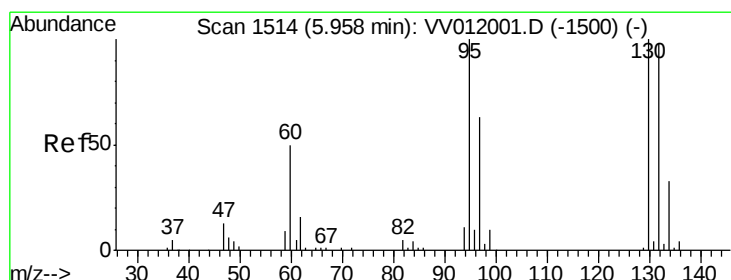
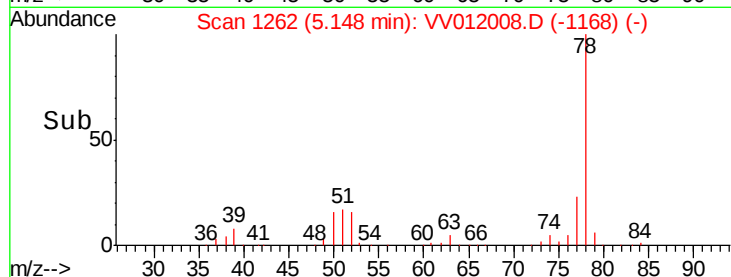
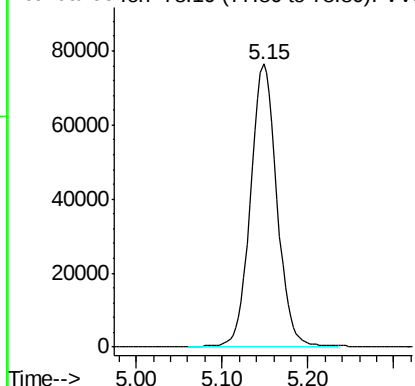
ClientSampleId :

A52J2MSD

Tgt Ion: 78 Resp: 164335



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.104 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV012008.D

Acq: 24 Jul 2019 13:57

Tgt Ion: 95 Resp: 44225

Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.6	84.6
132	99.4	71.3	132.3
130	102.7	72.8	135.2

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

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

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

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

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

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

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

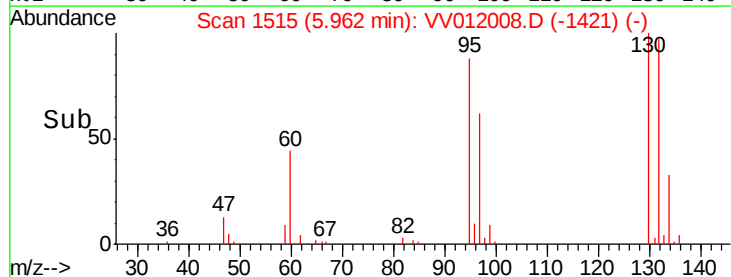
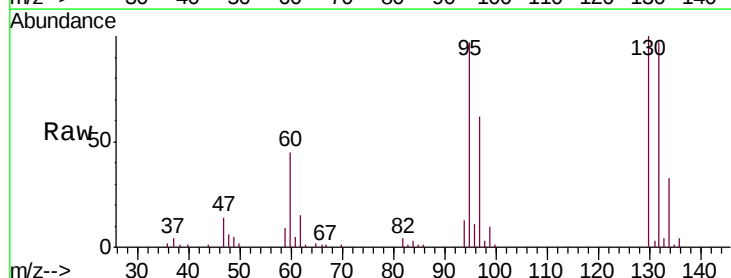
Ion 129.95 (129.65 to 130.65): VV0

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



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

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

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

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

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

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

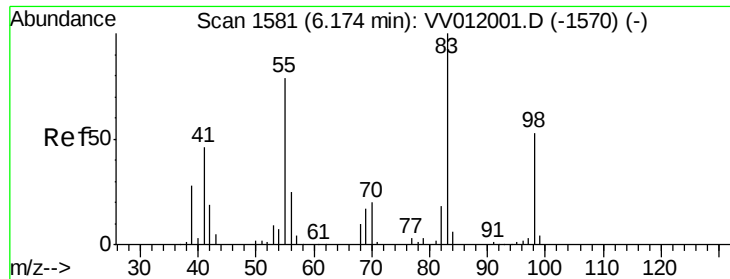
Ion 129.95 (129.65 to 130.65): VV0

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

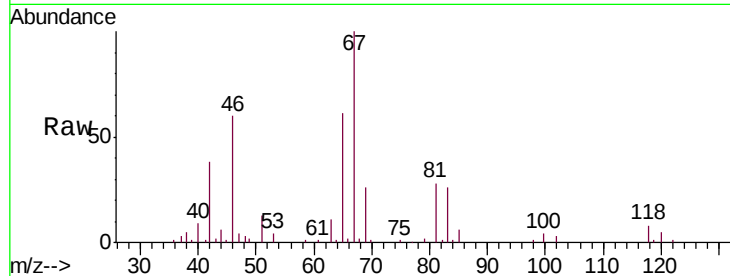
Ion 129.95 (129.65 to 130.65): VV0



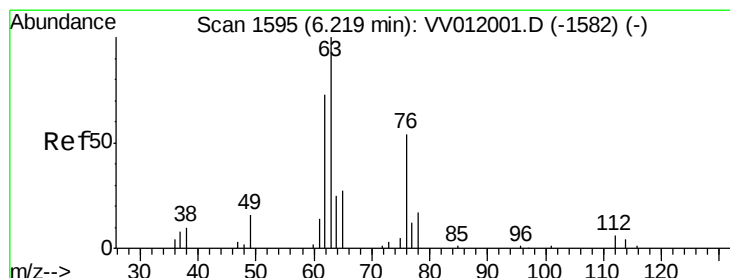
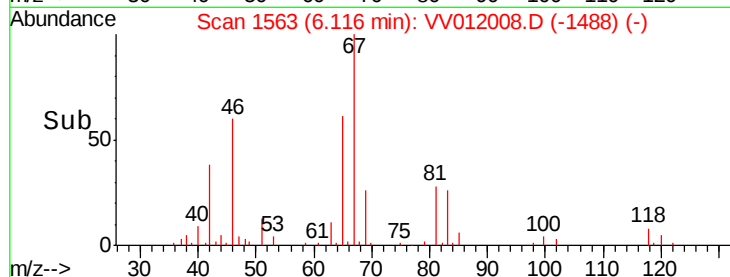
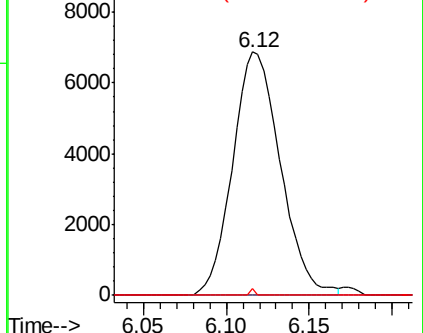
#35
Methylcyclohexane
Concen: 0.820 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012008.D
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MSVOA_V
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A52J2MSD

Tgt Ion: 83 Resp: 13748
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 2.5 41.4 62.0#

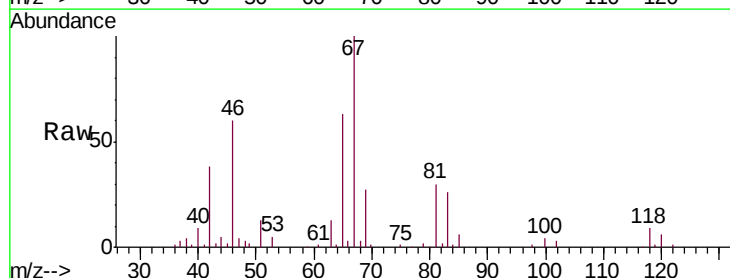


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

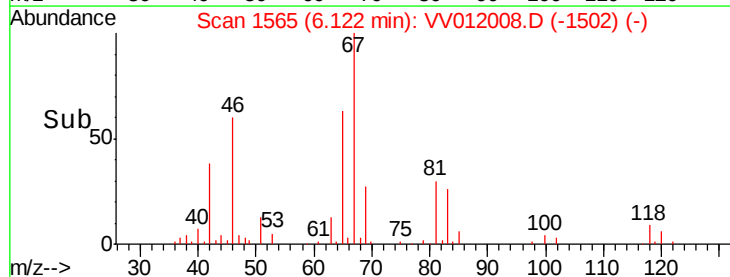
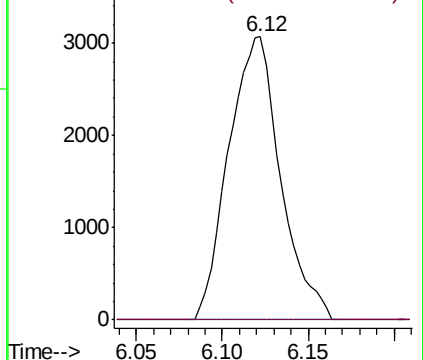


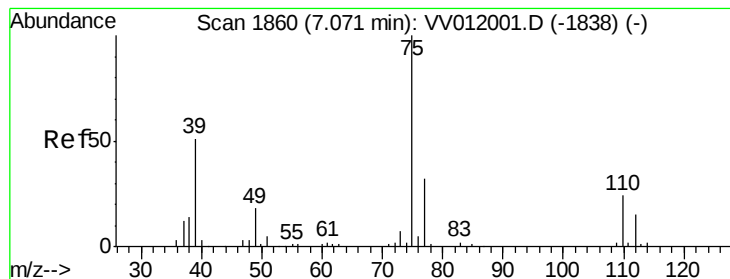
#37
1,2-Dichloropropane
Concen: 0.690 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV012008.D
Acq: 24 Jul 2019 13:57

Tgt Ion: 63 Resp: 6440
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: 0.117 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV012008.D

Acq: 24 Jul 2019 13:57

Instrument :

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ClientSampleId :

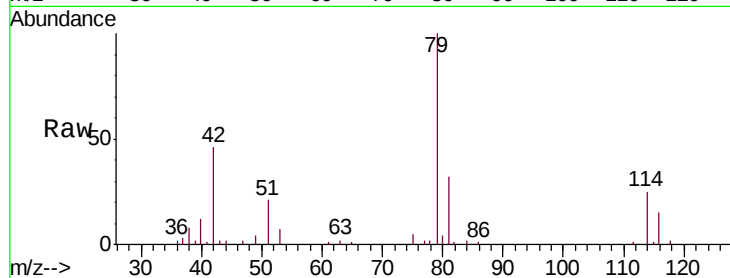
A52J2MSD

Tgt Ion: 75 Resp: 1617

Ion Ratio Lower Upper

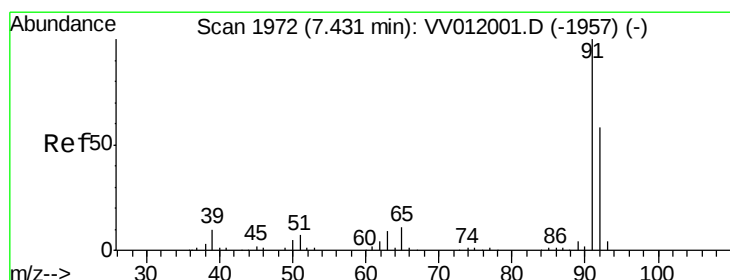
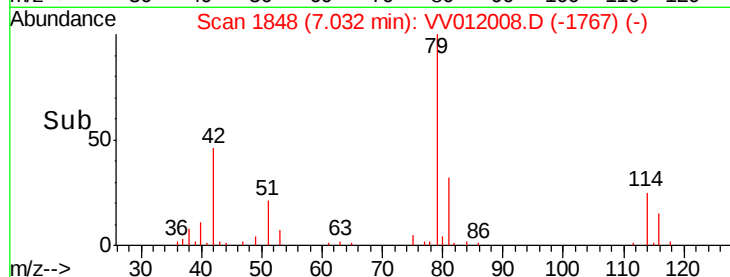
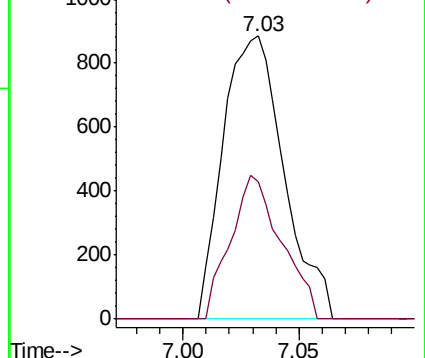
75 100

77 48.5 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV012001.D (-1838) (-)

Ion 77.05 (76.75 to 77.75): VV012001.D (-1838) (-)



#42

Toluene

Concen: 4.344 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012008.D

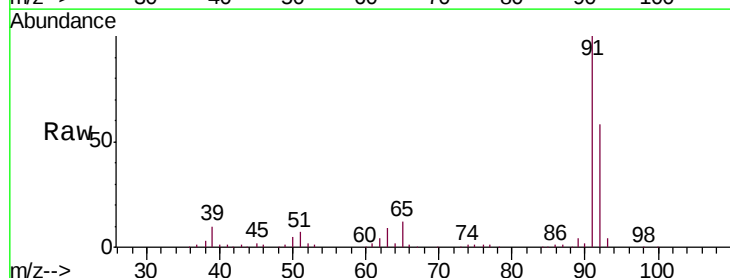
Acq: 24 Jul 2019 13:57

Tgt Ion: 91 Resp: 180946

Ion Ratio Lower Upper

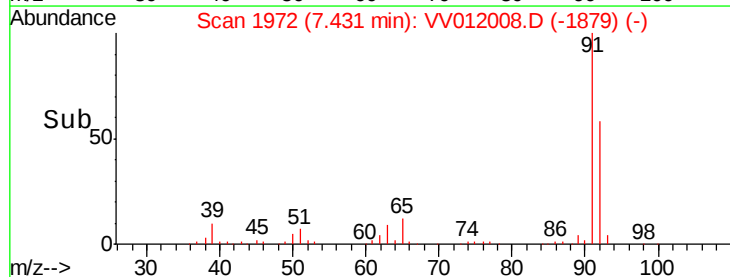
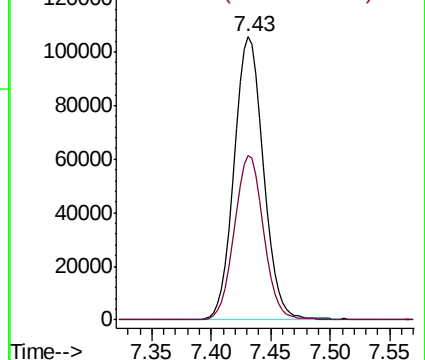
91 100

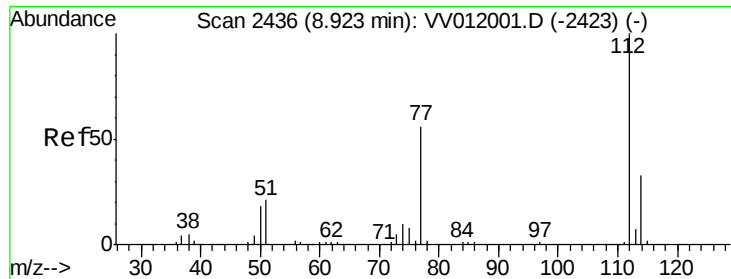
92 58.2 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV012001.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV012001.D (-1957) (-)

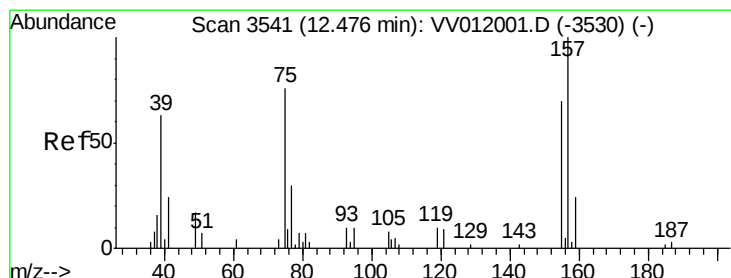
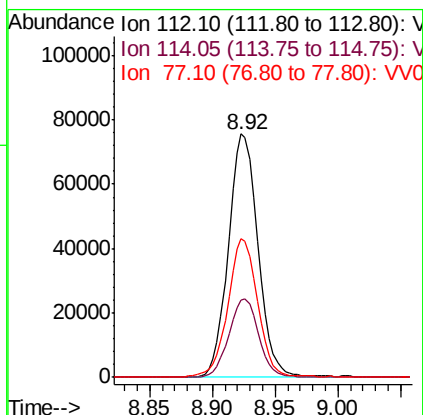
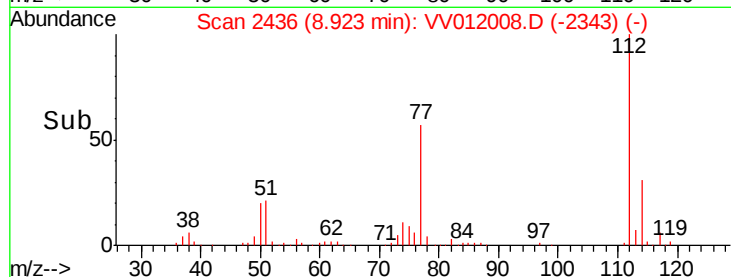
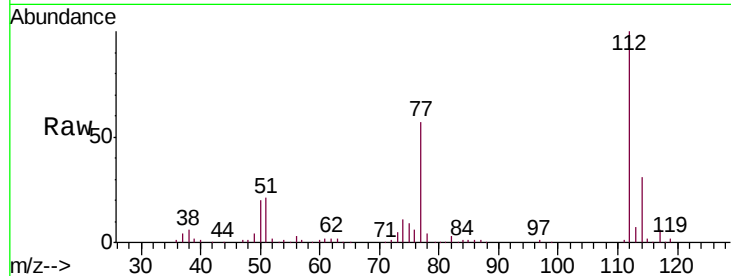




#51
Chlorobenzene
Concen: 4.549 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012008.D
Acq: 24 Jul 2019 13:57

Instrument :
MSVOA_V
ClientSampleId :
A52J2MSD

Tgt Ion: 112 Resp: 124058
Ion Ratio Lower Upper
112 100
114 31.5 23.0 42.8
77 57.1 46.4 69.6



#66
1,2-Dibromo-3-chloropropane
Concen: 0.991 ug/L
RT: 12.44 min Scan# 3530
Delta R.T. -0.04 min
Lab File: VV012008.D
Acq: 24 Jul 2019 13:57

Tgt Ion: 75 Resp: 1126
Ion Ratio Lower Upper
75 100
155 0.0 69.5 104.3#
157 0.0 96.2 144.2#

