

Data File : VV009824.D
Acq On : 22 Mar 2019 13:53
Operator : SY/MD
Sample : K2049-02MS
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
P002-TW001-01MS

Quant Time: Mar 23 03:56:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR032119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Mar 23 03:53:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	111593	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	109151	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46706	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54971	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.59	69	66610	5.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.60%
11) 1,1-Dichloroethene-d2	2.14	63	144279	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.20%
20) 2-Butanone-d5	3.97	46	74755	47.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.78%
24) Chloroform-d	4.41	84	61678	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.09	65	32954	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.10	84	128519	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.12	67	38958	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.36	98	114674	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	7.66	79	11719	3.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.40%
46) 2-Hexanone-d5	8.14	63	57580	42.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.84%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26811	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	40685	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

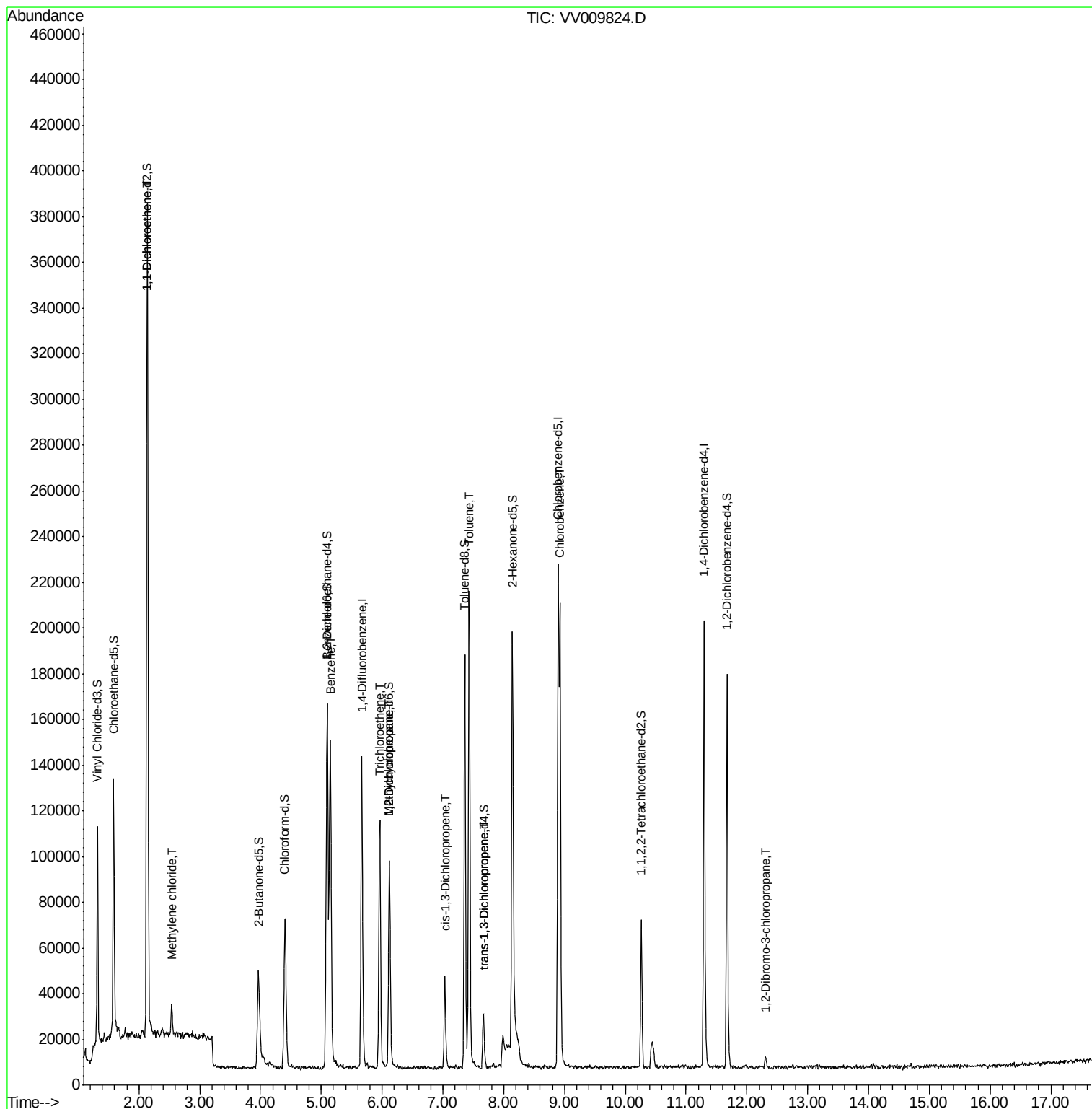
					Qvalue
12) 1,1-Dichloroethene	2.14	96	65698	4.415 ug/L	92
16) Methylene chloride	2.54	84	4982	0.296 ug/L	97
33) Benzene	5.15	78	138171	4.507 ug/L	100
34) Trichloroethene	5.96	95	33964	4.380 ug/L	94
35) Methylcyclohexane	6.12	83	9693	0.730 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	4973	0.649 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	1072	0.103 ug/L #	50
42) Toluene	7.43	91	147128	4.241 ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	708	0.085 ug/L	87
51) Chlorobenzene	8.93	112	97637	4.396 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.31	75	193	0.258 ug/L #	1

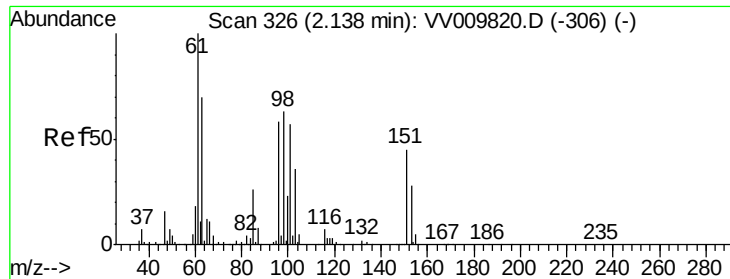
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

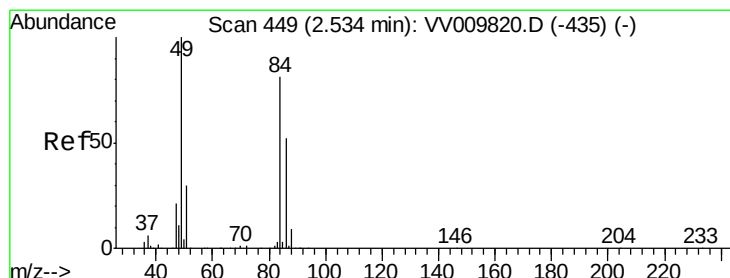
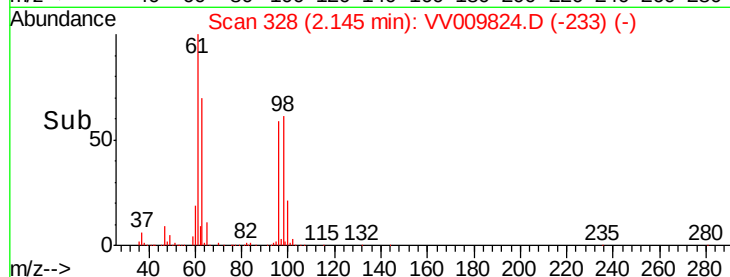
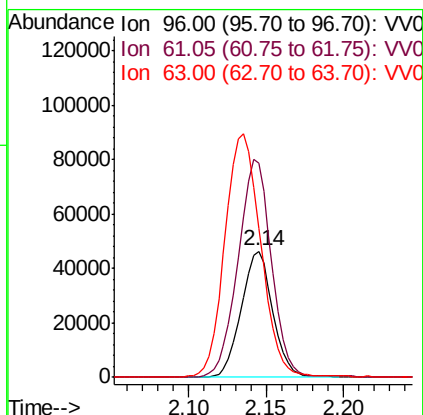
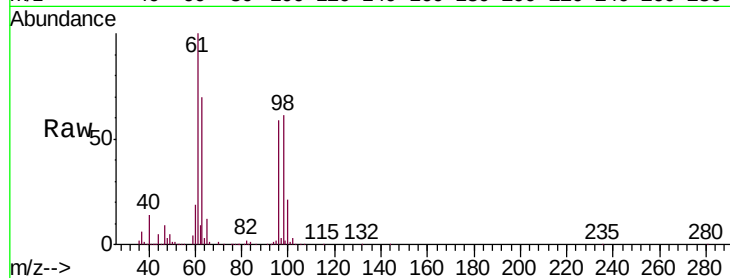




#12
 1,1-Dichloroethene
 Concen: 4.415 ug/L
 RT: 2.14 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VV009824.D
 Acq: 22 Mar 2019 13:53

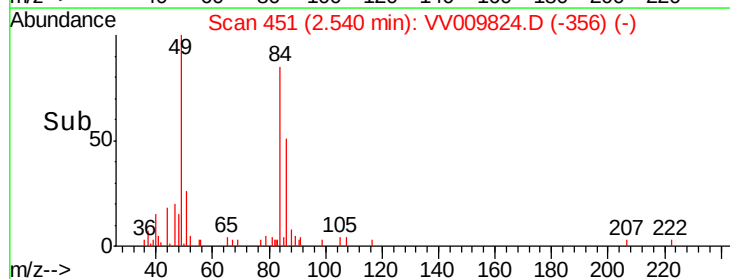
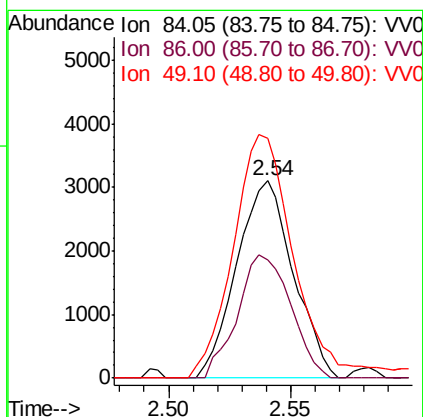
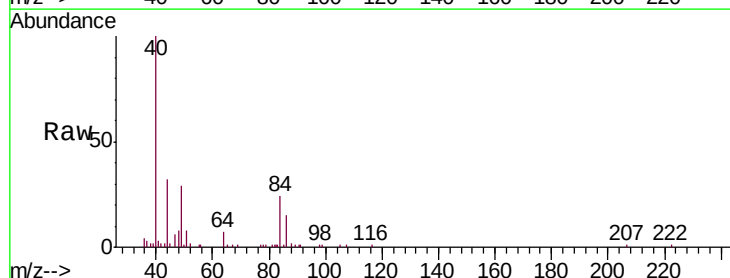
Instrument :
 MSVOA_V
 ClientSampleId :
 P002-TW001-01MS

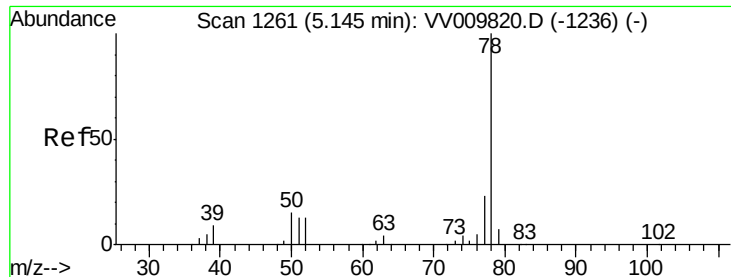
Tgt Ion	Resp	Lower	Upper
96	100		
61	169.7	127.1	236.0
63	118.1	88.8	164.8



#16
 Methylene chloride
 Concen: 0.296 ug/L
 RT: 2.54 min Scan# 451
 Delta R.T. 0.01 min
 Lab File: VV009824.D
 Acq: 22 Mar 2019 13:53

Tgt Ion	Resp	Lower	Upper
84	100		
86	60.0	46.1	85.5
49	127.2	89.7	166.5





#33

Benzene

Concen: 4.507 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV009824.D

Acq: 22 Mar 2019 13:53

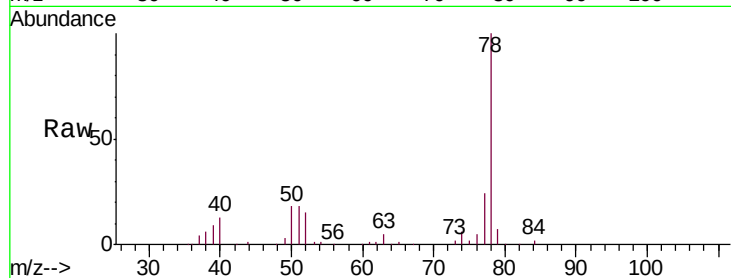
Instrument :

MSVOA_V

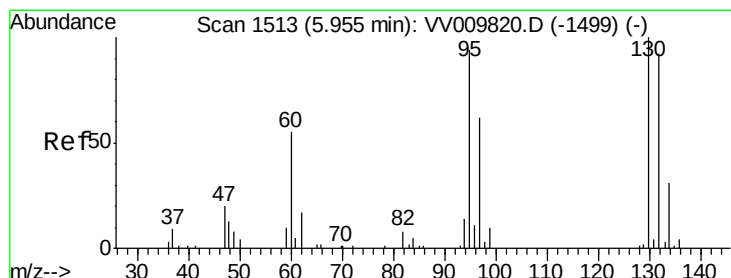
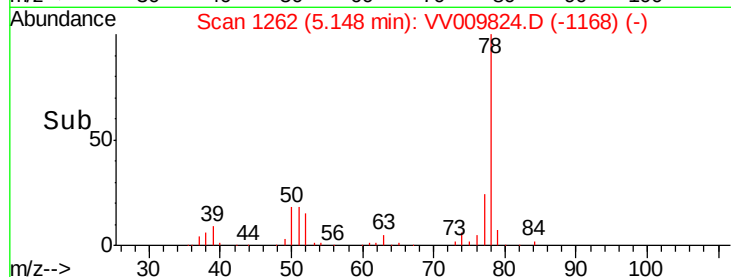
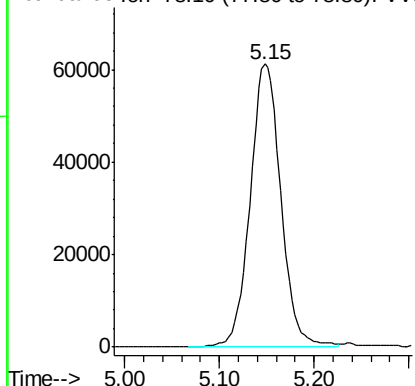
ClientSampleId :

P002-TW001-01MS

Tgt Ion: 78 Resp: 138171



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.380 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009824.D

Acq: 22 Mar 2019 13:53

Tgt Ion: 95 Resp: 33964

Ion	Ratio	Lower	Upper
95	100		
97	61.5	44.4	82.5
132	100.1	66.4	123.4
130	105.9	68.1	126.5

95 100

97 61.5 44.4 82.5

132 100.1 66.4 123.4

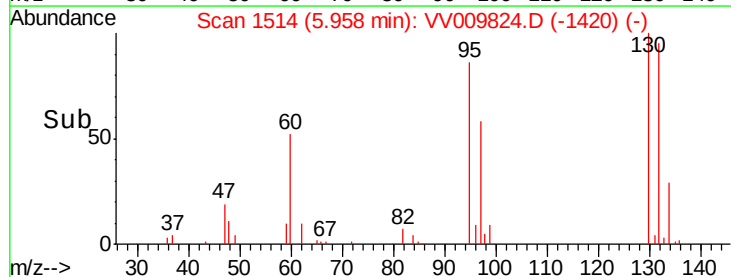
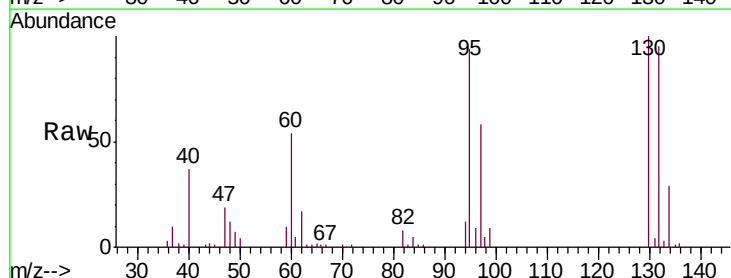
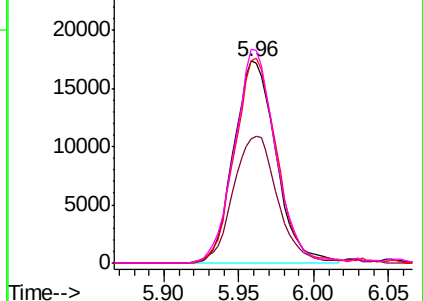
130 105.9 68.1 126.5

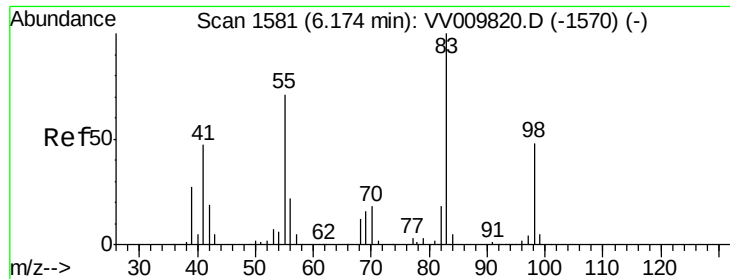
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

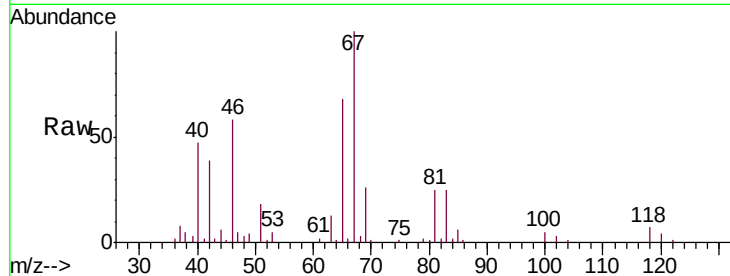




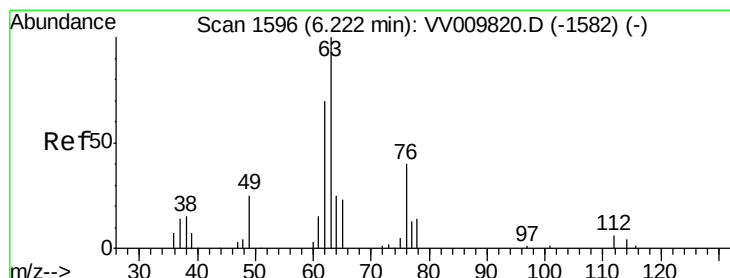
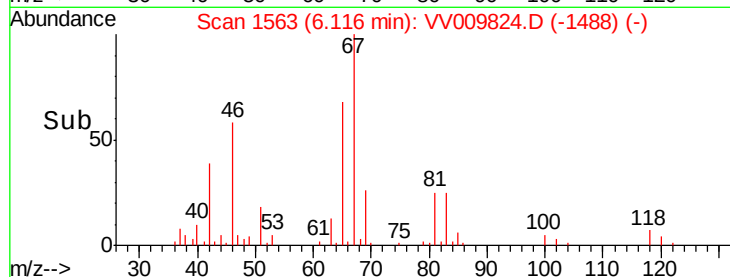
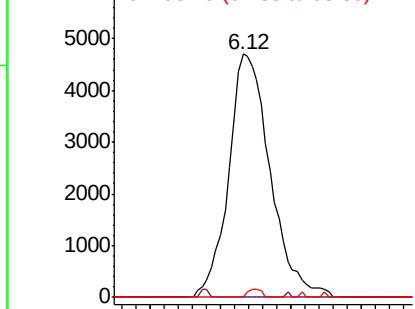
#35
Methylcyclohexane
Concen: 0.730 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV009824.D
Acq: 22 Mar 2019 13:53

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P002-TW001-01MS

Tgt Ion: 83 Resp: 9693
Ion Ratio Lower Upper
83 100
55 0.2 57.4 86.2#
98 1.1 38.9 58.3#

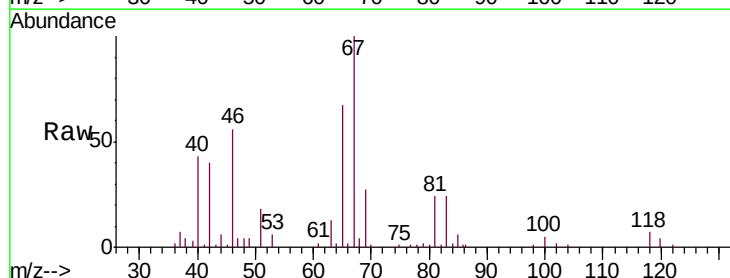


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

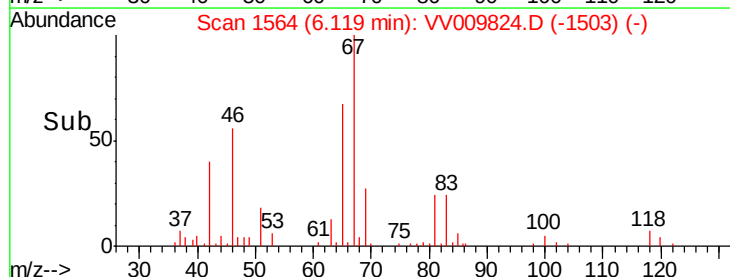
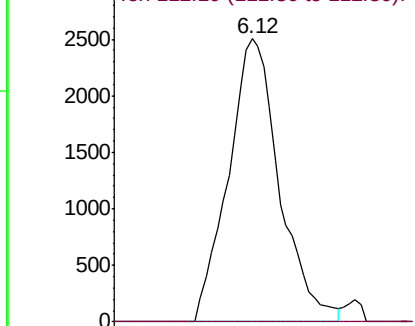


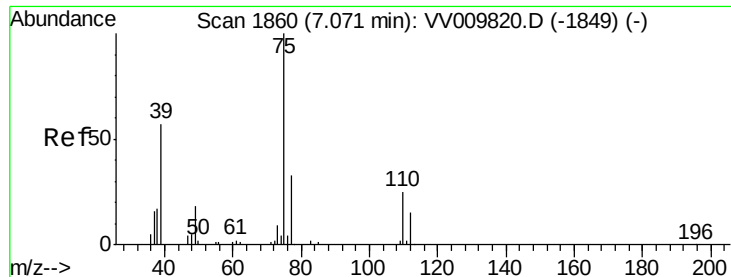
#37
1,2-Dichloropropane
Concen: 0.649 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV009824.D
Acq: 22 Mar 2019 13:53

Tgt Ion: 63 Resp: 4973
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



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

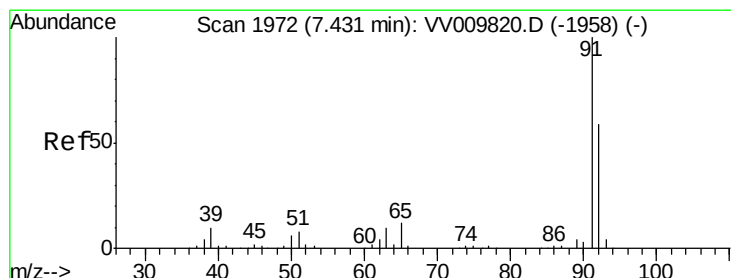
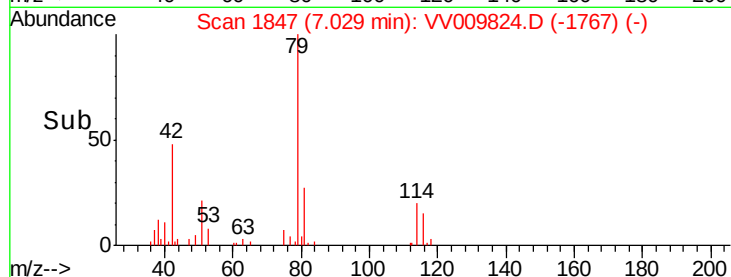
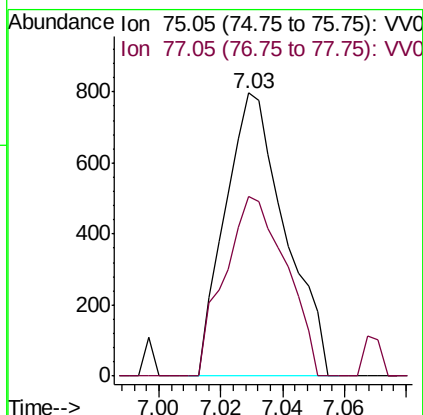
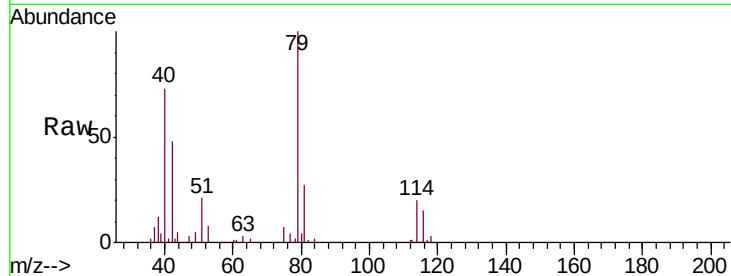




#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009824.D
 Acq: 22 Mar 2019 13:53

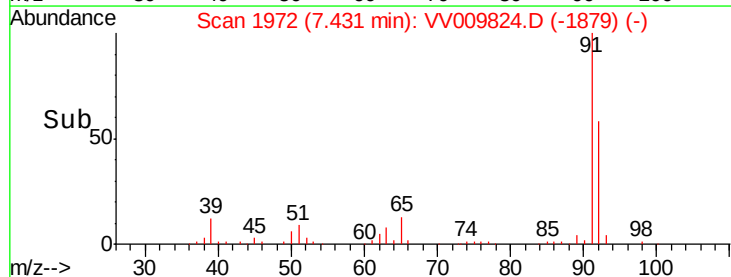
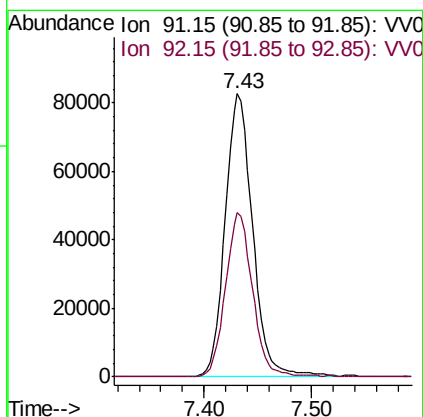
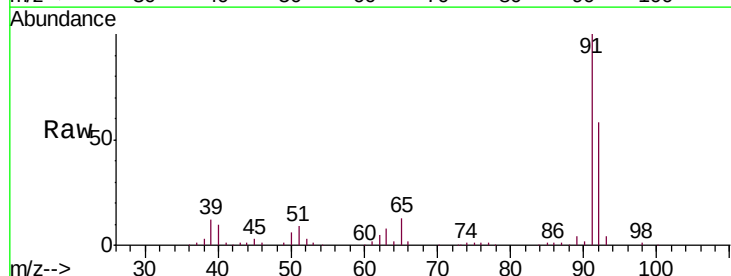
Instrument :
 MSVOA_V
 ClientSampleId :
 P002-TW001-01MS

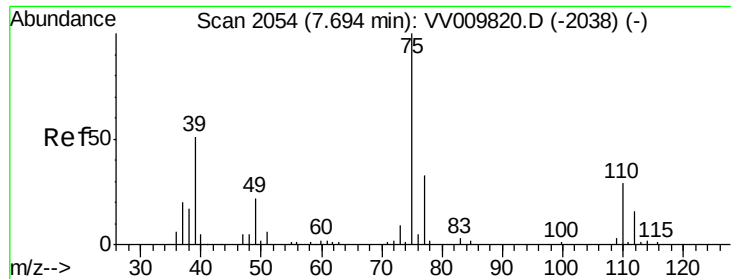
Tgt Ion: 75 Resp: 1072
 Ion Ratio Lower Upper
 75 100
 77 63.6 24.1 44.8#



#42
 Toluene
 Concen: 4.241 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV009824.D
 Acq: 22 Mar 2019 13:53

Tgt Ion: 91 Resp: 147128
 Ion Ratio Lower Upper
 91 100
 92 58.0 39.1 72.5





#44

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV009824.D

Acq: 22 Mar 2019 13:53

Instrument :

MSVOA_V

ClientSampleId :

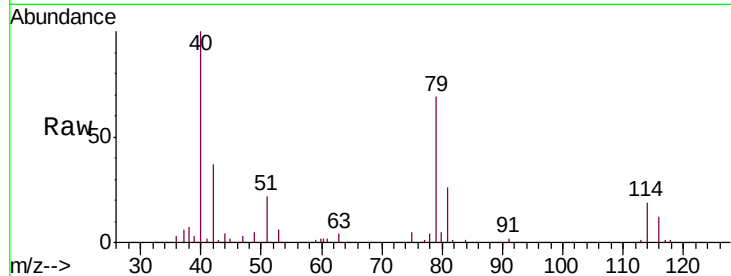
P002-TW001-01MS

Tgt Ion: 75 Resp: 708

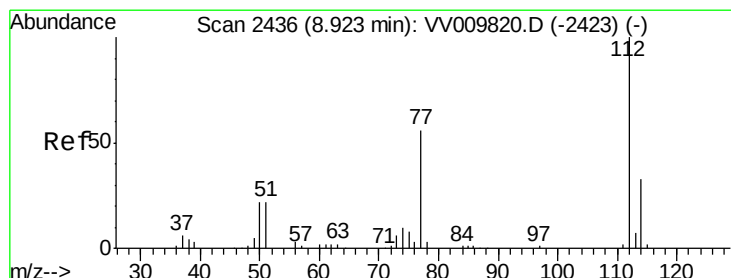
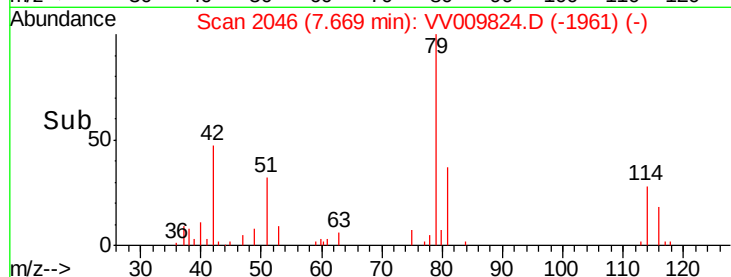
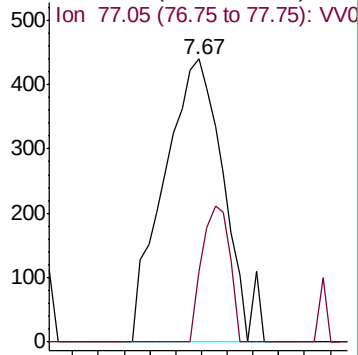
Ion Ratio Lower Upper

75 100

77 25.1 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VV009820.D (-2038) (-)



#51

Chlorobenzene

Concen: 4.396 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009824.D

Acq: 22 Mar 2019 13:53

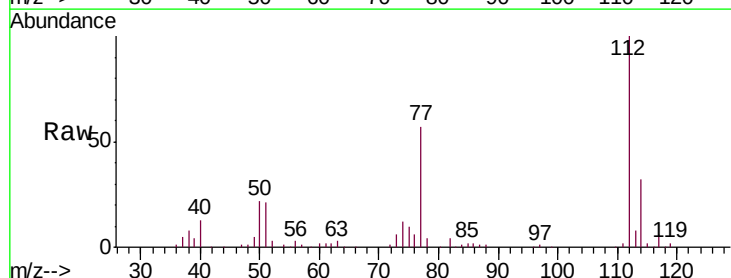
Tgt Ion: 112 Resp: 97637

Ion Ratio Lower Upper

112 100

114 31.6 21.8 40.4

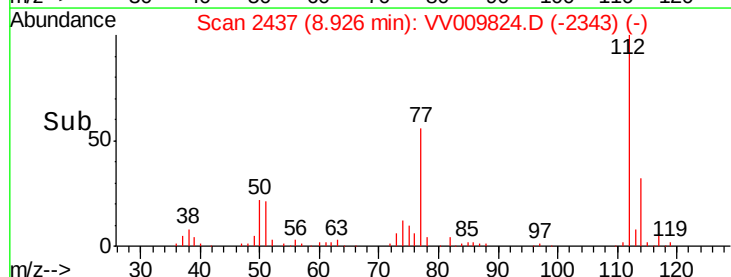
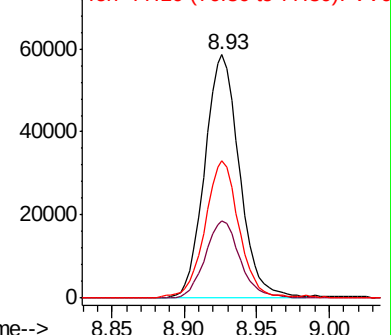
77 56.6 45.0 67.4

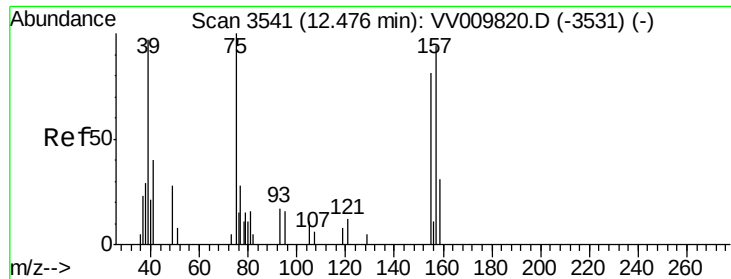


Abundance Ion 112.10 (111.80 to 112.80): VV009820.D (-2423) (-)

Ion 114.05 (113.75 to 114.75): VV009820.D (-2423) (-)

Ion 77.10 (76.80 to 77.80): VV009820.D (-2423) (-)





#66

1,2-Dibromo-3-chloropropane

Concen: 0.258 ug/L

RT: 12.31 min Scan# 3489

Delta R.T. -0.17 min

Lab File: VV009824.D

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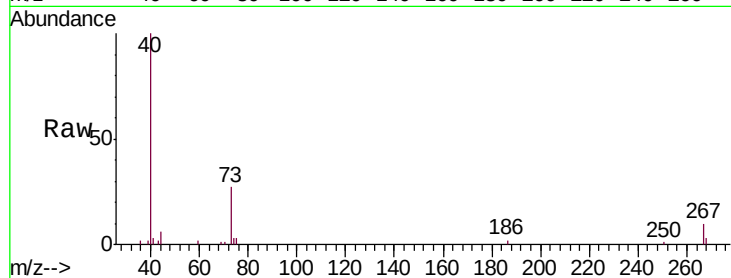
Tgt Ion: 75 Resp: 193

Ion Ratio Lower Upper

75 100

155 0.0 73.5 110.3#

157 0.0 88.3 132.5#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

