

Data File : VV009841.D
Acq On : 22 Mar 2019 21:08
Operator : SY/MD
Sample : K2052-02MS
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
P001-TW001-03MS

Quant Time: Mar 23 03:59:25 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	100615	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	100966	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	44576	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49656	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.59	69	50653	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.13	63	130310	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	3.97	46	65585	46.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.20%
24) Chloroform-d	4.40	84	55997	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.09	65	28236	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.10	84	114523	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.12	67	35458	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.36	98	100911	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
43) trans-1,3-Dichloropropene-	7.67	79	9927	3.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.00%
46) 2-Hexanone-d5	8.14	63	53801	43.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.70%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26255	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	36739	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

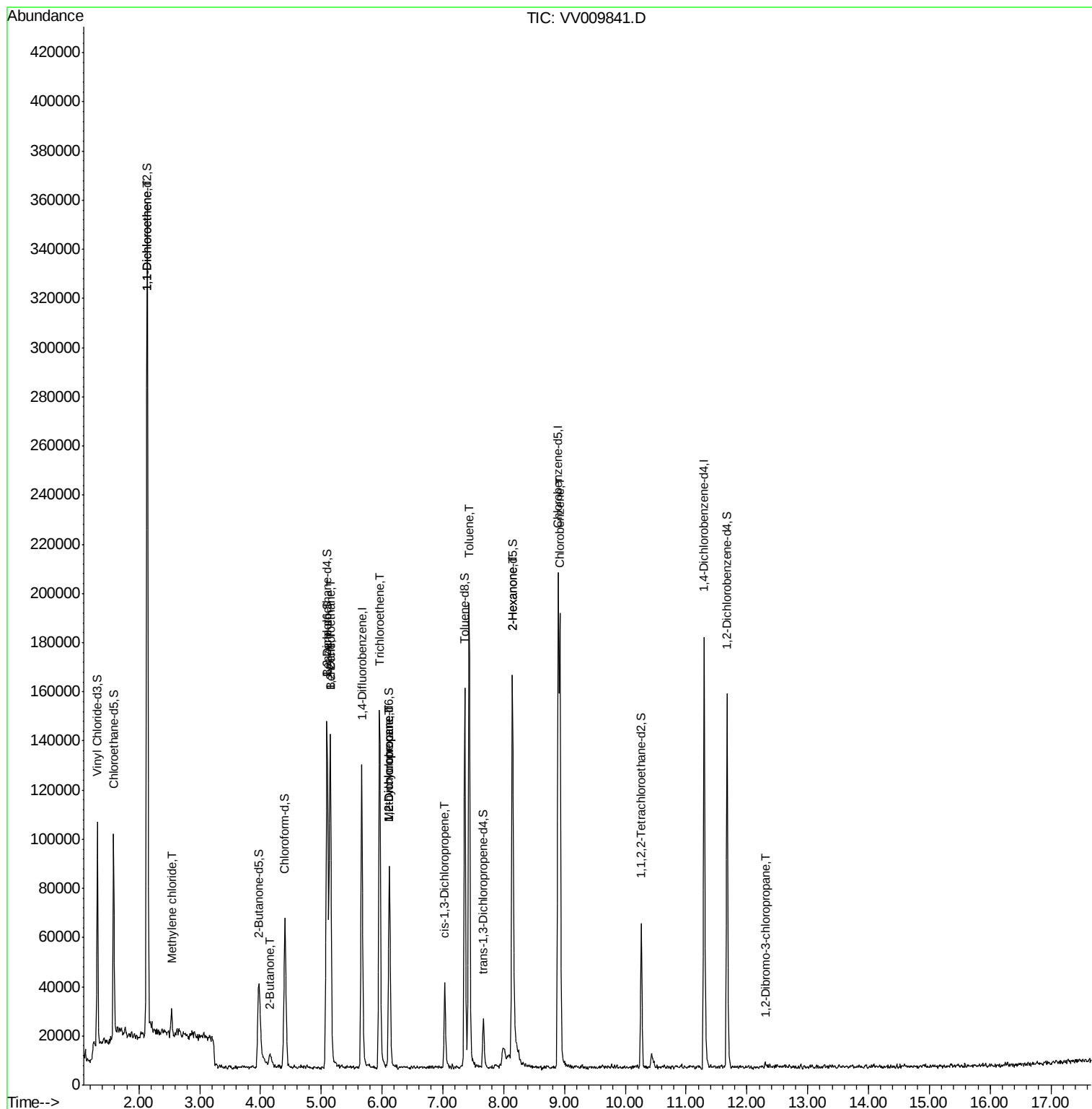
						Qvalue
12) 1,1-Dichloroethene	2.14	96	60516	4.510	ug/L	95
16) Methylene chloride	2.54	84	3692	0.243	ug/L #	90
21) 2-Butanone	4.16	43	8128	5.675	ug/L #	45
27) 1,2-Dichloroethane	5.14	62	1346	0.181	ug/L #	75
33) Benzene	5.15	78	126681	4.467	ug/L	100
34) Trichloroethene	5.96	95	44530	6.208	ug/L	96
35) Methylcyclohexane	6.12	83	9033	0.736	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	4270	0.602	ug/L #	90
39) cis-1,3-Dichloropropene	7.03	75	1044	0.109	ug/L	88
42) Toluene	7.43	91	133021	4.145	ug/L	98
48) 2-Hexanone	8.14	43	7643	2.623	ug/L #	81
51) Chlorobenzene	8.92	112	90343	4.398	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.31	75	83	0.116	ug/L #	1

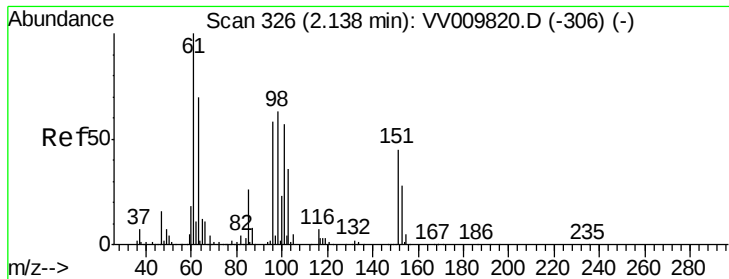
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.510 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009841.D

Acq: 22 Mar 2019 21:08

Instrument :

MSVOA_V

ClientSampleId :

P001-TW001-03MS

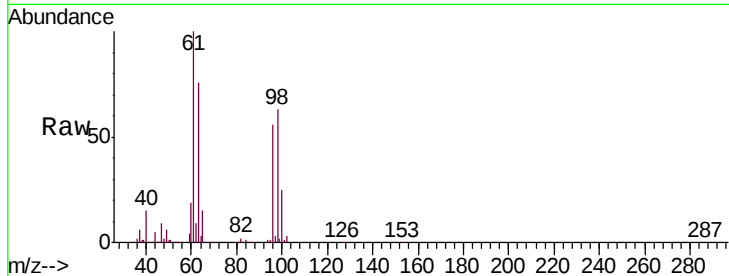
Tgt Ion: 96 Resp: 60516

Ion Ratio Lower Upper

96 100

61 179.6 127.1 236.0

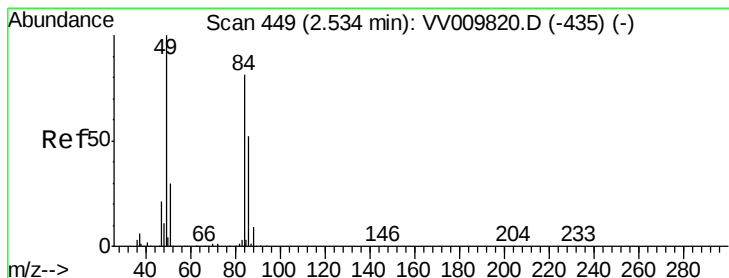
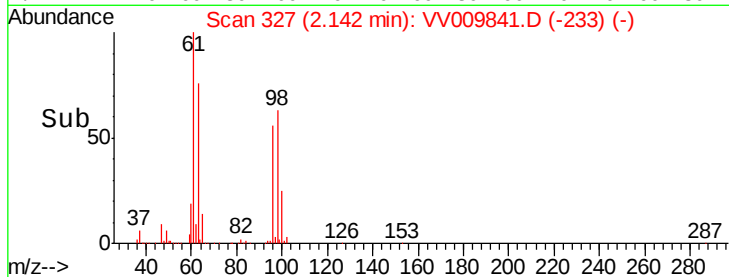
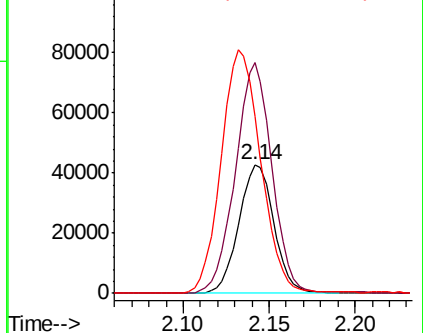
63 137.2 88.8 164.8



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



#16

Methylene chloride

Concen: 0.243 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009841.D

Acq: 22 Mar 2019 21:08

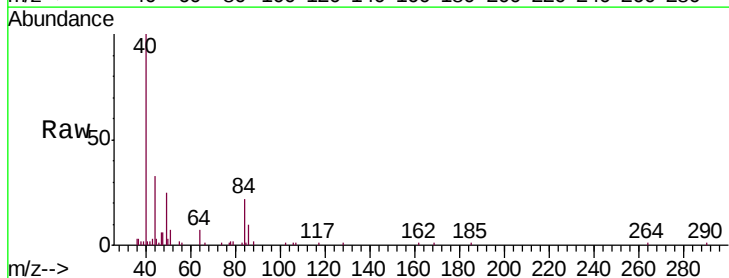
Tgt Ion: 84 Resp: 3692

Ion Ratio Lower Upper

84 100

86 45.1 46.1 85.5#

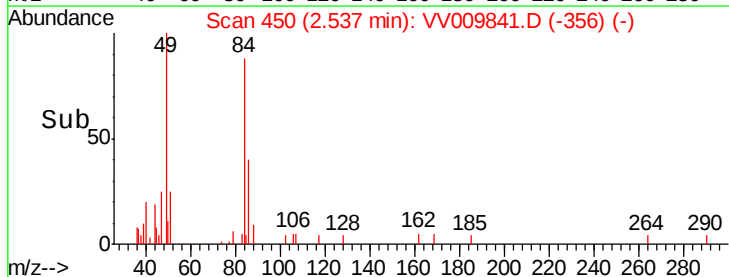
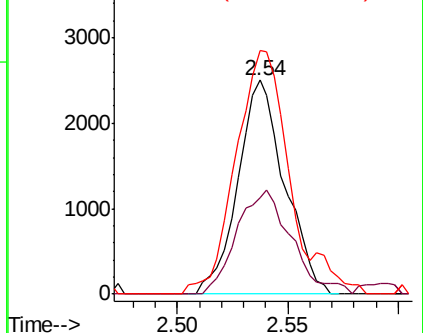
49 126.3 89.7 166.5

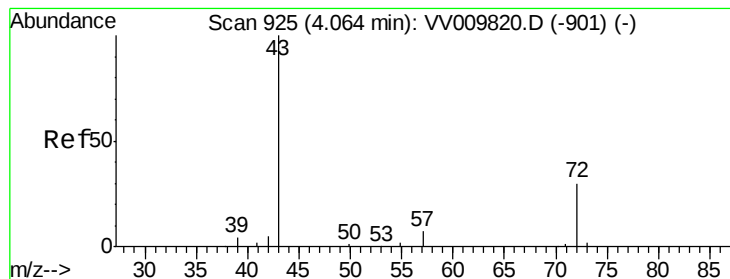


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#21

2-Butanone

Concen: 5.675 ug/L

RT: 4.16 min Scan# 956

Delta R.T. 0.10 min

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Acq: 22 Mar 2019 21:08

Instrument :

MSVOA_V

ClientSampleId :

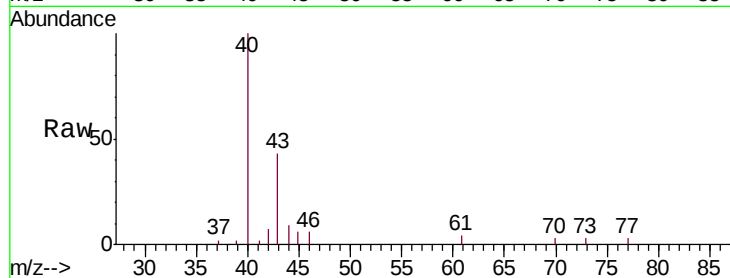
P001-TW001-03MS

Tgt Ion: 43 Resp: 8128

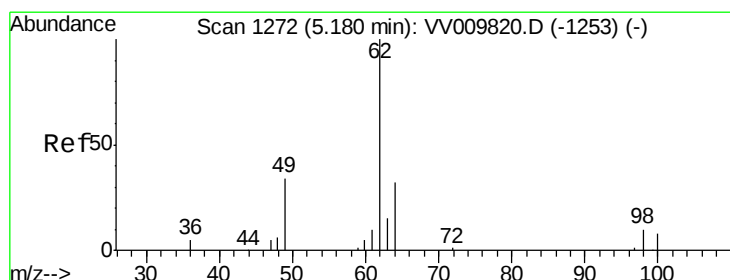
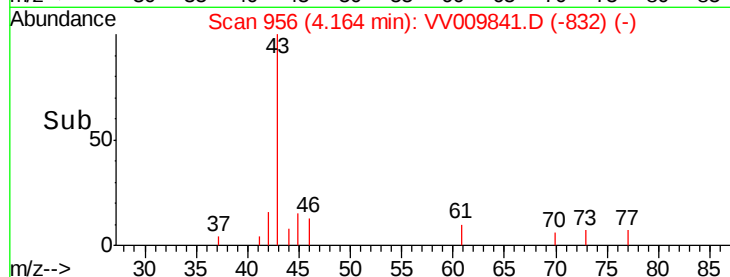
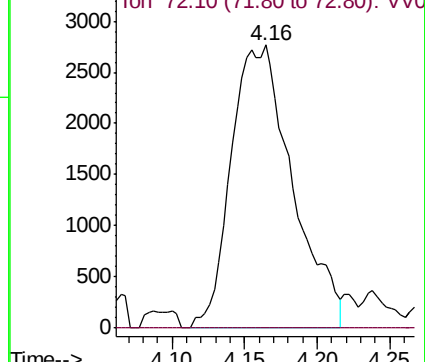
Ion Ratio Lower Upper

43 100

72 0.0 14.8 44.4#



Abundance Ion 43.05 (42.75 to 43.75): VV009820.D (-901) (-)



#27

1,2-Dichloroethane

Concen: 0.181 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.04 min

Lab File: VV009841.D

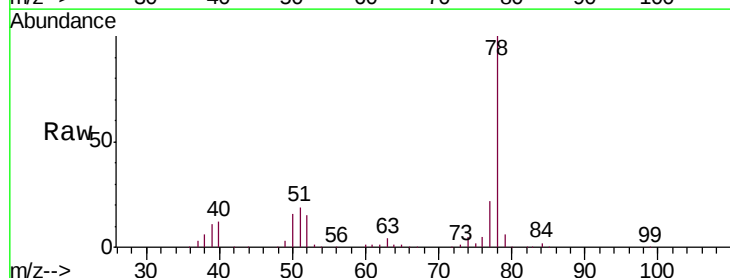
Acq: 22 Mar 2019 21:08

Tgt Ion: 62 Resp: 1346

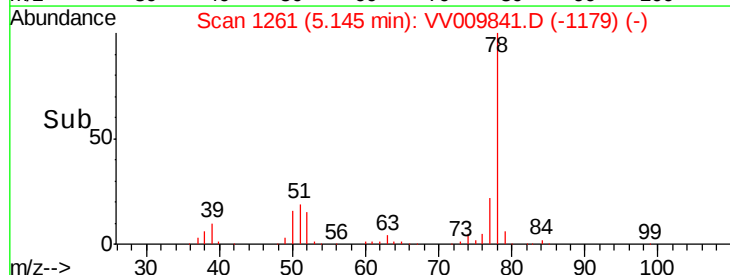
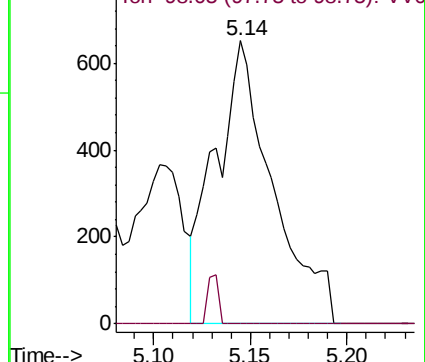
Ion Ratio Lower Upper

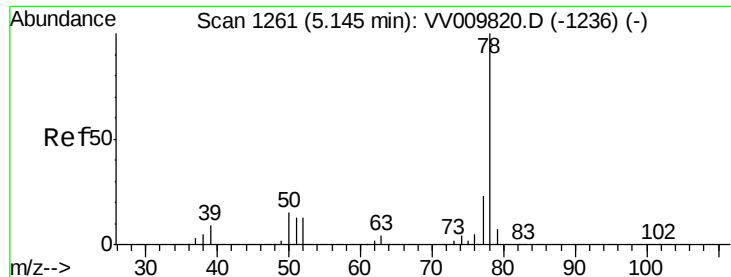
62 100

98 0.0 7.4 11.0#



Abundance Ion 62.00 (61.70 to 62.70): VV009820.D (-1253) (-)





#33

Benzene

Concen: 4.467 ug/L

RT: 5.15 min Scan# 1262

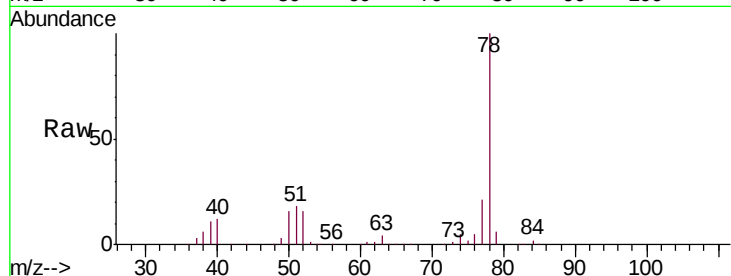
Delta R.T. 0.00 min

Lab File: VV009841.D

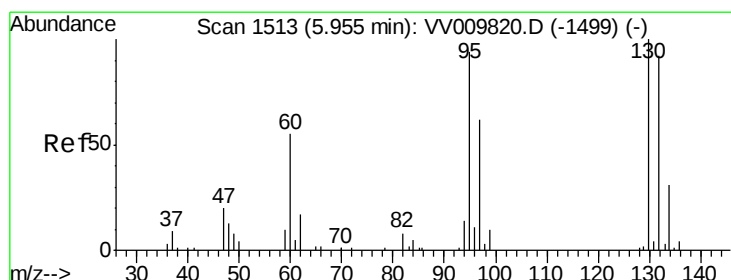
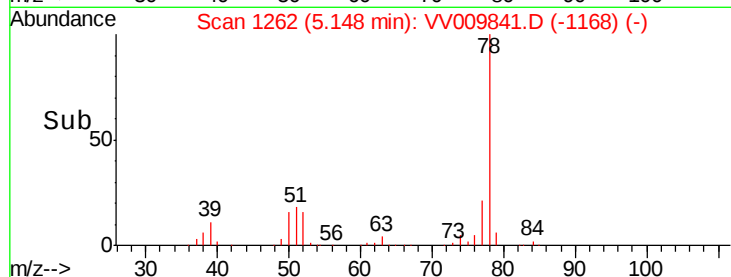
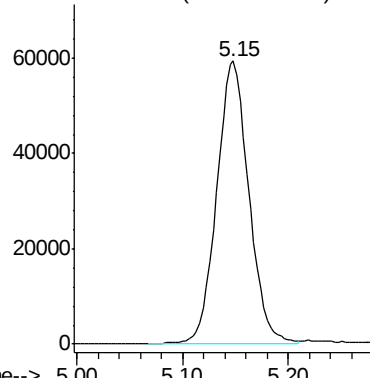
Acq: 22 Mar 2019 21:08

Instrument :
MSVOA_V
ClientSampleId :
P001-TW001-03MS

Tgt Ion: 78 Resp: 126681



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 6.208 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009841.D

Acq: 22 Mar 2019 21:08

Tgt Ion: 95 Resp: 44530

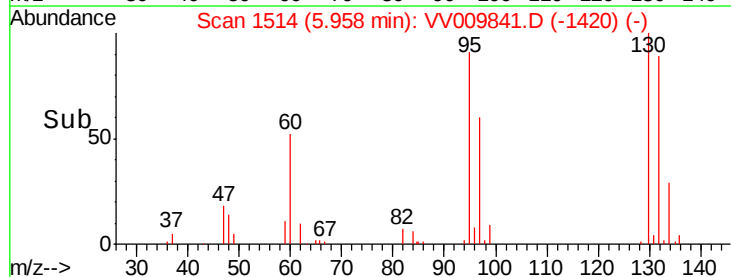
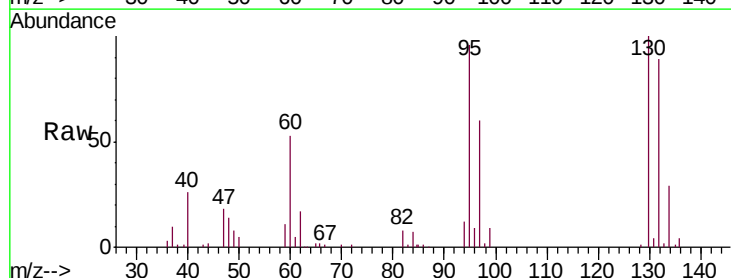
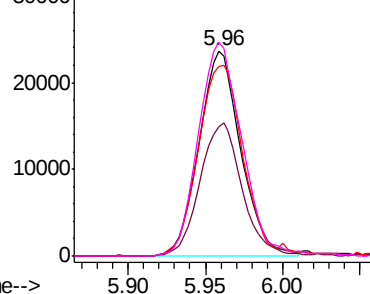
Ion	Ratio	Lower	Upper
95	100		
97	62.8	44.4	82.5
132	92.7	66.4	123.4
130	104.3	68.1	126.5

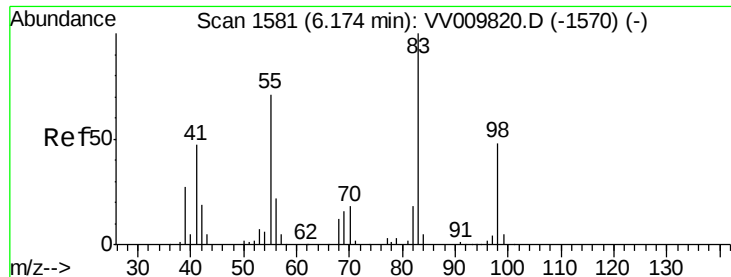
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

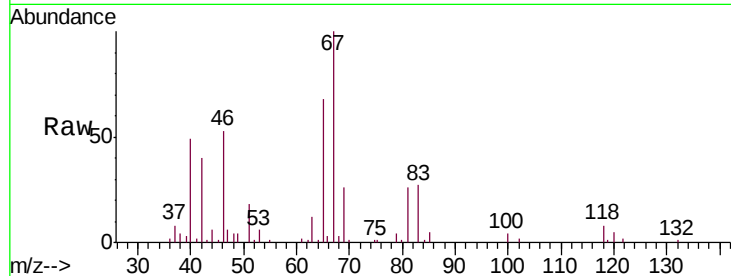




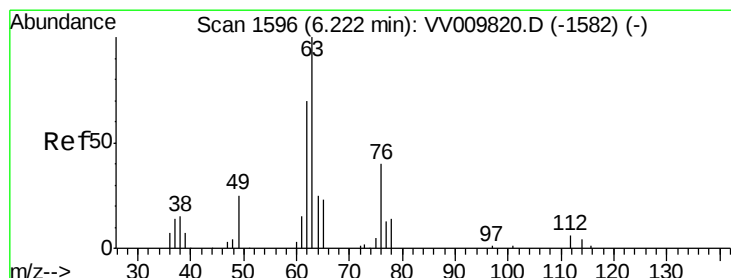
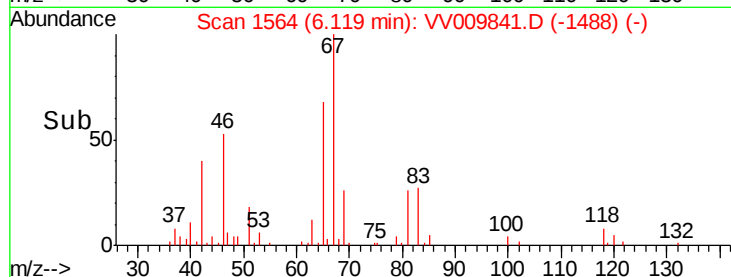
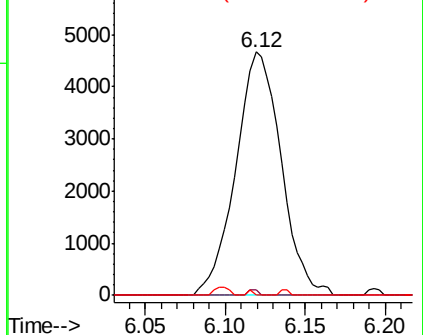
#35
Methylcyclohexane
Concen: 0.736 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV009841.D
Acq: 22 Mar 2019 21:08

Instrument :
MSVOA_V
ClientSampleId :
P001-TW001-03MS

Tgt Ion: 83 Resp: 9033
Ion Ratio Lower Upper
83 100
55 0.5 57.4 86.2#
98 0.5 38.9 58.3#

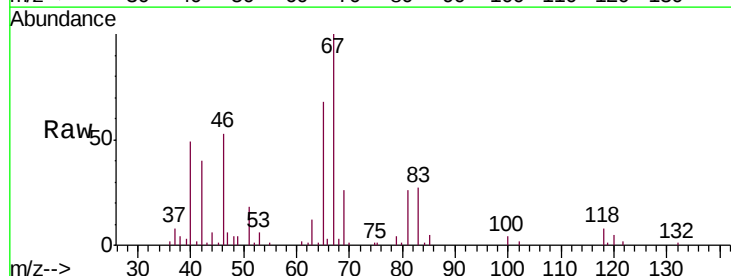


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

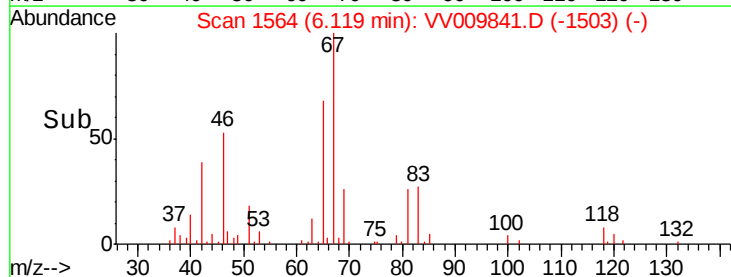
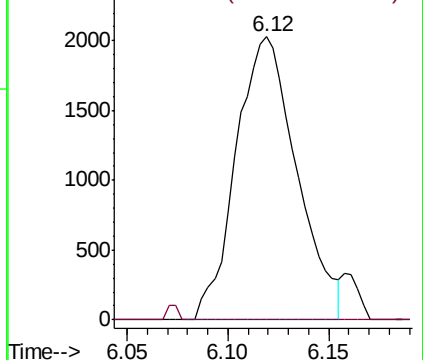


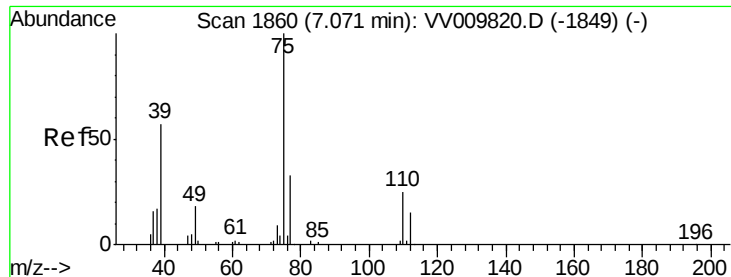
#37
1,2-Dichloropropane
Concen: 0.602 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV009841.D
Acq: 22 Mar 2019 21:08

Tgt Ion: 63 Resp: 4270
Ion Ratio Lower Upper
63 100
112 0.9 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: 0.109 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV009841.D

Acq: 22 Mar 2019 21:08

Instrument :

MSVOA_V

ClientSampleId :

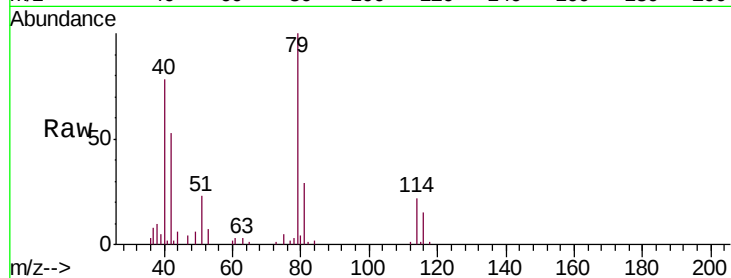
P001-TW001-03MS

Tgt Ion: 75 Resp: 1044

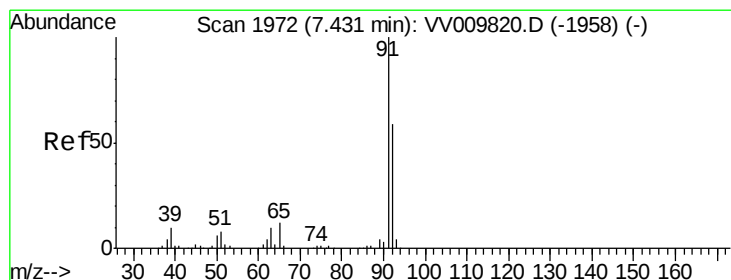
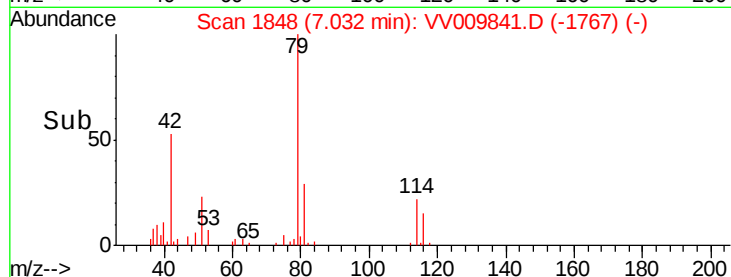
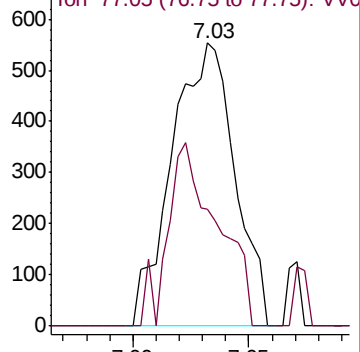
Ion Ratio Lower Upper

75 100

77 41.2 24.1 44.8



Abundance Ion 75.05 (74.75 to 75.75): VV009820.D (-1849) (-)



#42

Toluene

Concen: 4.145 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009841.D

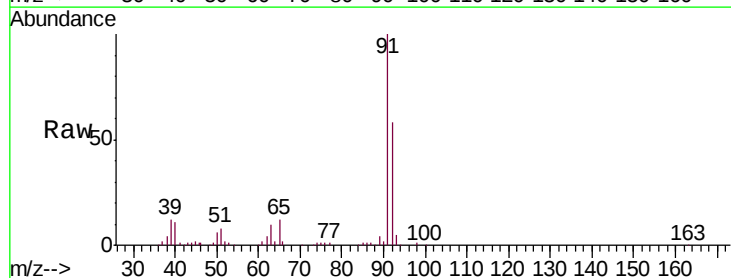
Acq: 22 Mar 2019 21:08

Tgt Ion: 91 Resp: 133021

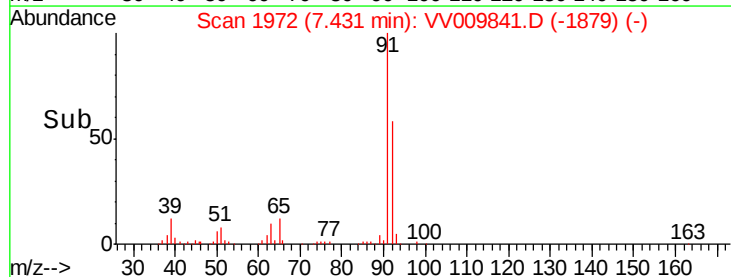
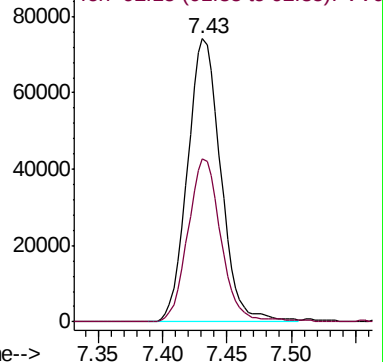
Ion Ratio Lower Upper

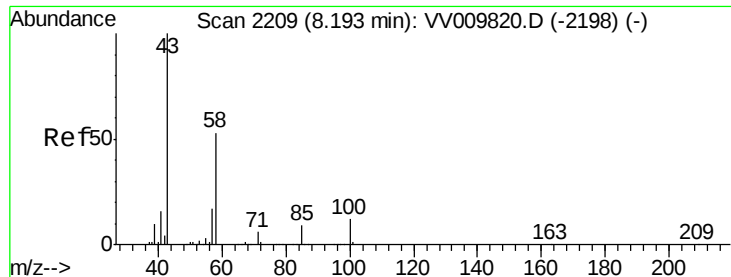
91 100

92 57.5 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV009820.D (-1958) (-)

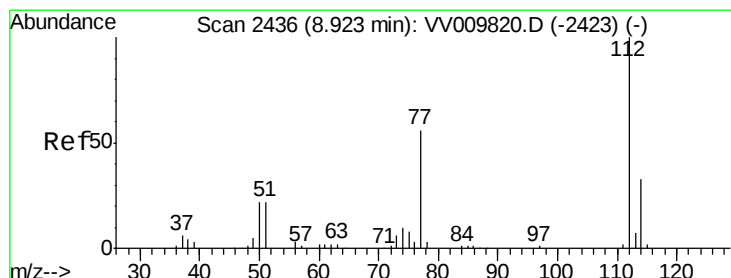
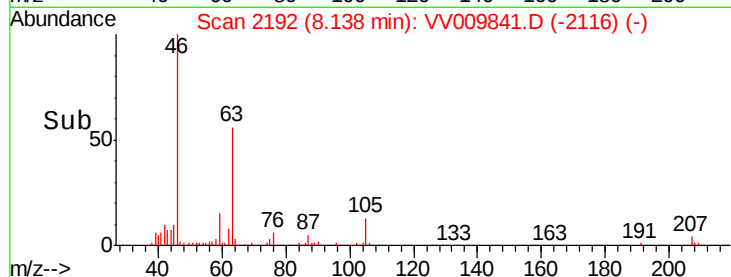
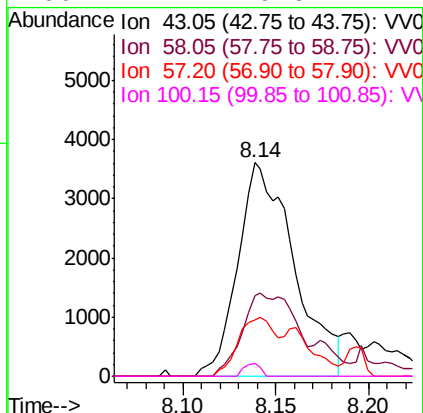
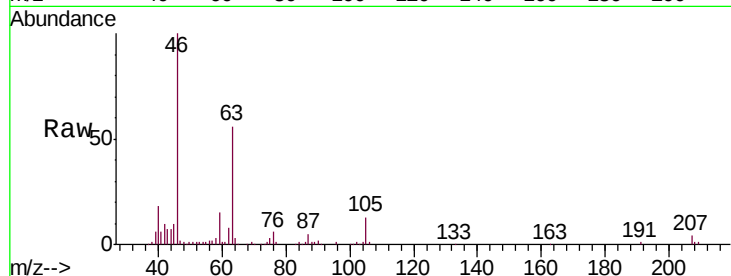




#48
2-Hexanone
Concen: 2.623 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV009841.D
Acq: 22 Mar 2019 21:08

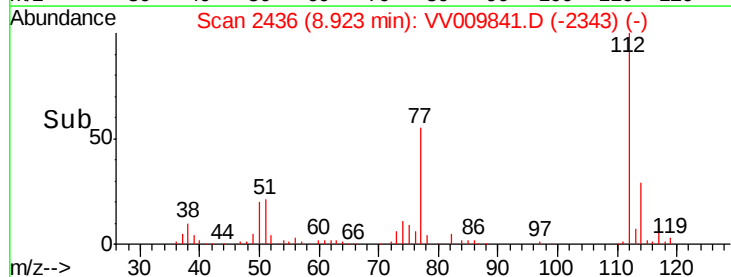
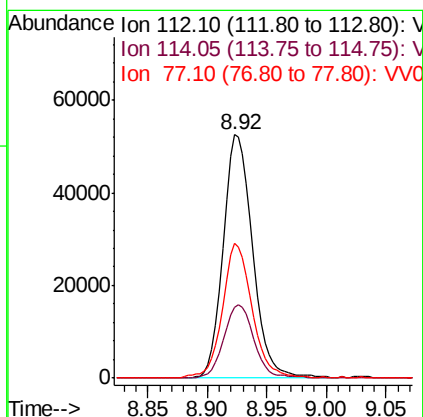
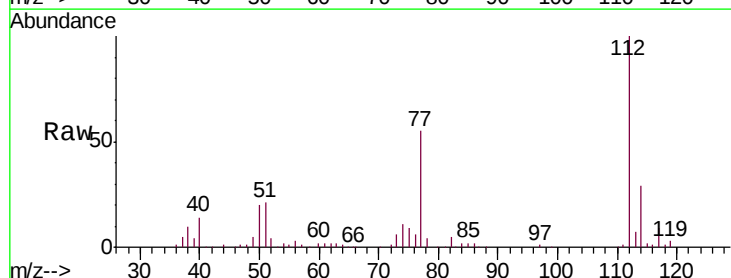
Instrument :
MSVOA_V
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P001-TW001-03MS

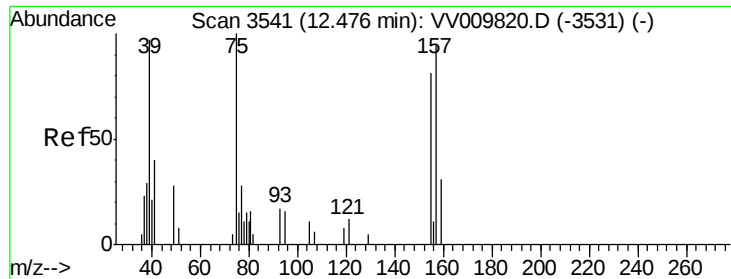
Tgt Ion: 43 Resp: 7643
Ion Ratio Lower Upper
43 100
58 37.4 43.4 65.0#
57 17.9 15.0 22.4
100 1.7 9.6 14.4#



#51
Chlorobenzene
Concen: 4.398 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV009841.D
Acq: 22 Mar 2019 21:08

Tgt Ion: 112 Resp: 90343
Ion Ratio Lower Upper
112 100
114 29.3 21.8 40.4
77 55.4 45.0 67.4





#66

1,2-Dibromo-3-chloropropane

Concen: 0.116 ug/L

RT: 12.31 min Scan# 3488

Delta R.T. -0.17 min

Lab File: VV009841.D

Acq: 22 Mar 2019 21:08

Instrument :

MSVOA_V

ClientSampleId :

P001-TW001-03MS

Tgt Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

155 0.0 73.5 110.3#

157 0.0 88.3 132.5#

