

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072820\
 Data File : VV017714.D
 Acq On : 28 Jul 2020 19:05
 Operator : SY/MD
 Sample : L3470-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 29 05:21:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 29 05:17:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	142160	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	138601	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	71081	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28302	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.58	69	25357	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.12	63	50156	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	3.93	46	75213	46.32	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.64%
24) Chloroform-d	4.37	84	80212	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	45170	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.08	84	139901	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.09	67	40666	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.34	98	127256	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
45) trans-1,3-Dichloropropene-	7.64	79	16759	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
48) 2-Hexanone-d5	8.11	63	51573	43.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.48%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	28926	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	56405	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

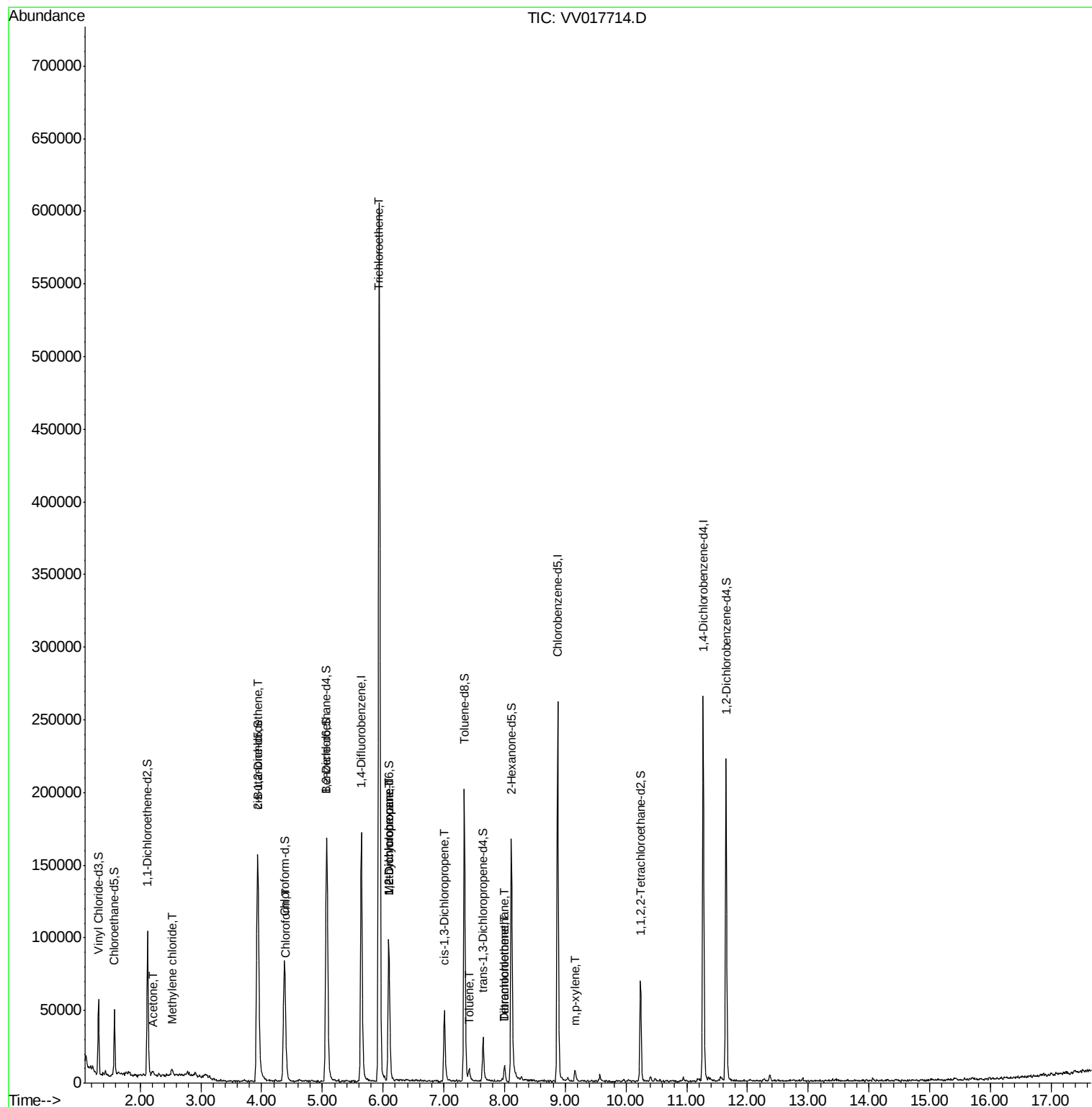
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.21	43	5319	4.184	ug/L	87
16) Methylene chloride	2.53	84	1746	0.205	ug/L	88
22) cis-1,2-Dichloroethene	3.94	96	64828	6.172	ug/L	100
25) Chloroform	4.40	83	6073	0.308	ug/L	88
34) Trichloroethene	5.94	95	193754	17.681	ug/L	97
35) Methylcyclohexane	6.09	83	11100	0.670	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	5849	0.634	ug/L #	83
39) cis-1,3-Dichloropropene	7.01	75	1477	0.106	ug/L	96
42) Toluene	7.42	91	5351	0.125	ug/L	100
49) Tetrachloroethene	8.00	164	2101	0.217	ug/L	90
51) Dibromochloromethane	8.00	129	2106	0.237	ug/L #	9
55) m,p-xylene	9.16	106	2516	0.139	ug/L	95

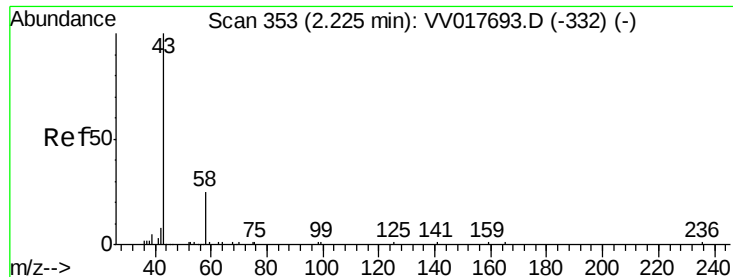
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.184 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV017714.D

Acq: 28 Jul 2020 19:05

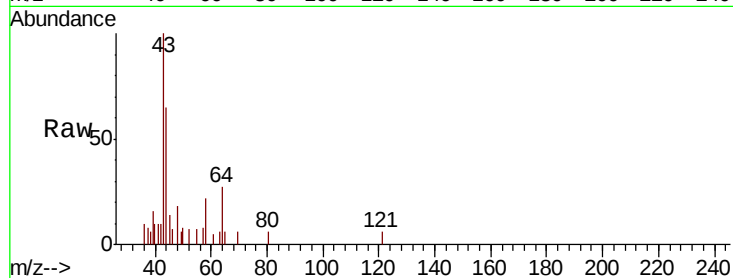
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 5319

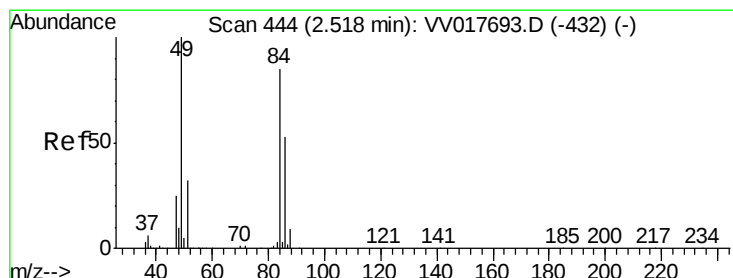
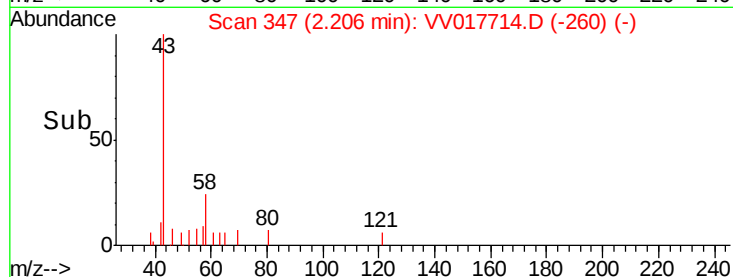
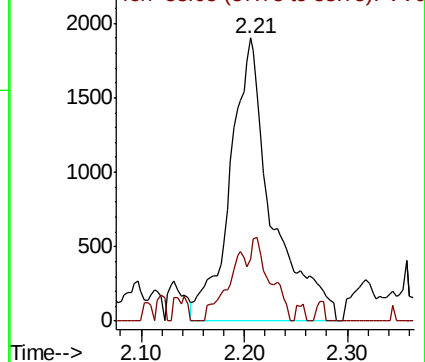
Ion Ratio Lower Upper

43 100

58 14.0 0.0 18.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0



#16

Methylene chloride

Concen: 0.205 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV017714.D

Acq: 28 Jul 2020 19:05

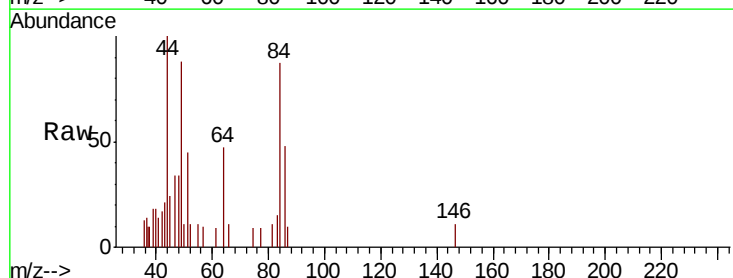
Tgt Ion: 84 Resp: 1746

Ion Ratio Lower Upper

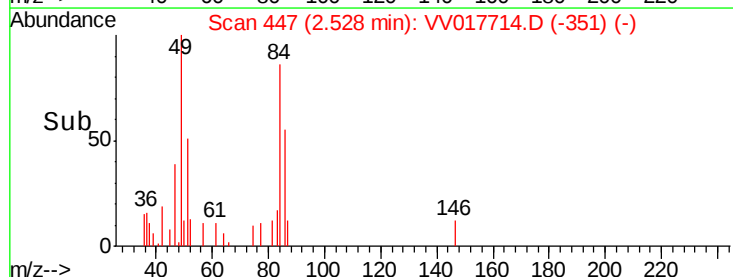
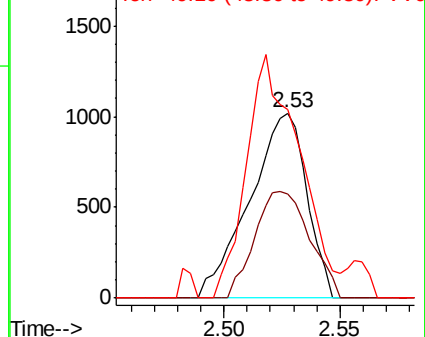
84 100

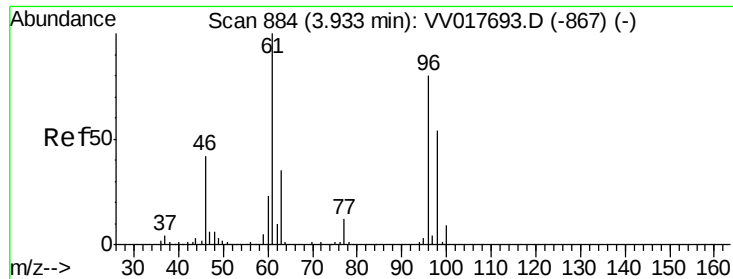
86 55.9 46.5 86.3

49 101.6 79.2 147.2



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



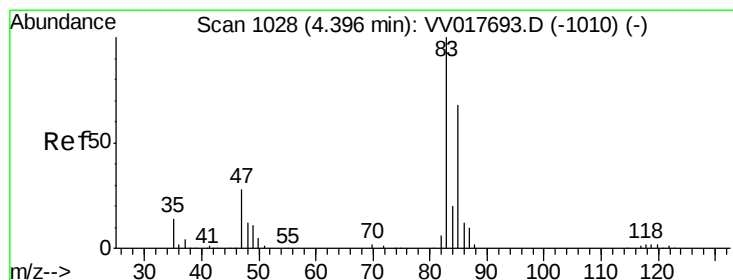
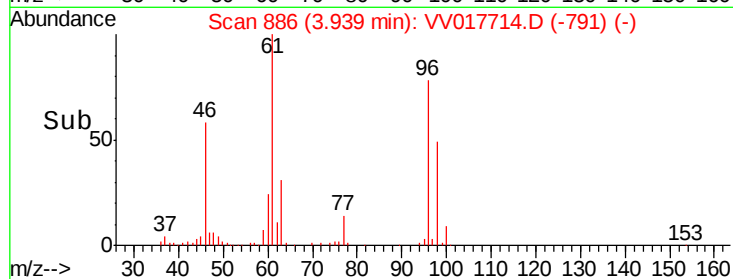
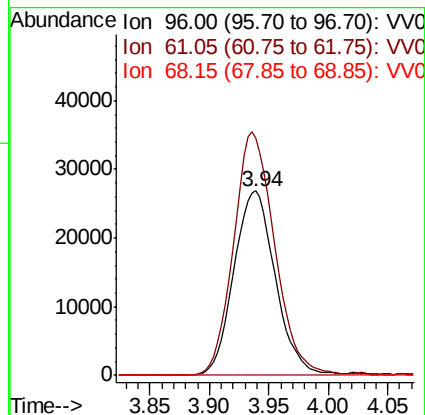
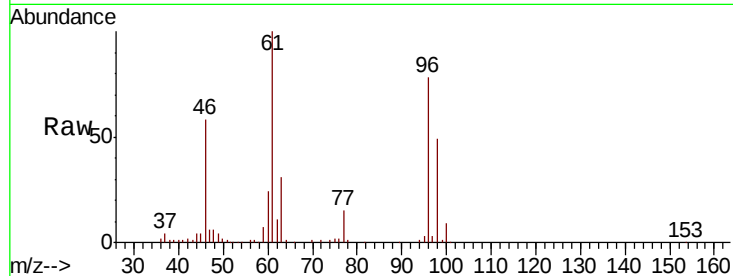


#22

cis-1,2-Dichloroethene
 Concen: 6.172 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV017714.D
 Acq: 28 Jul 2020 19:05

Instrument :
 MSVOA_V
 ClientSampleId :

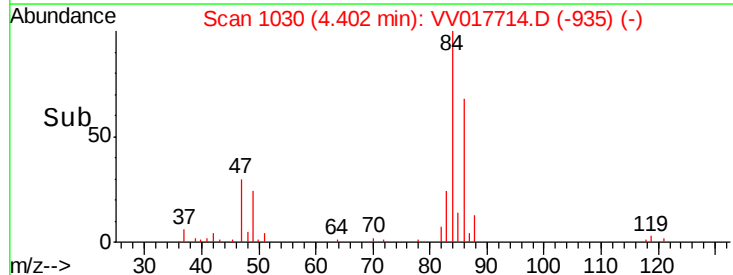
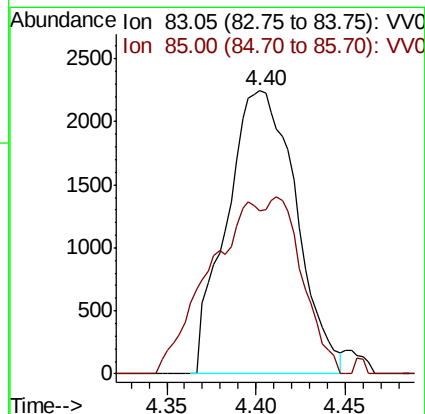
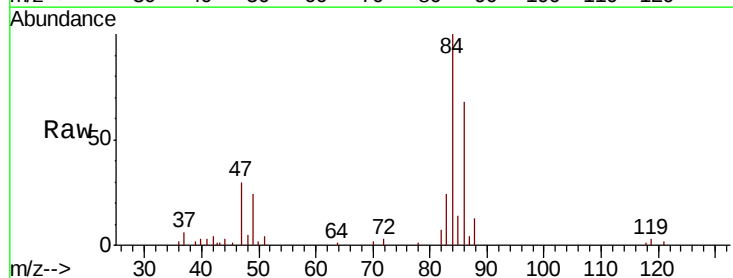
Tot Ion: 96 Resp: 64828
 Ion Ratio Lower Upper
 96 100
 61 128.2 89.6 166.4
 68 0.0 0.0 0.0

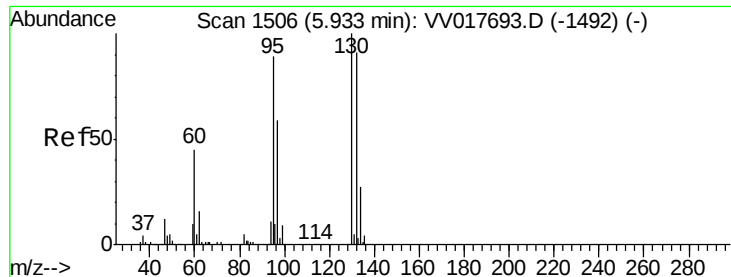


#25

Chloroform
 Concen: 0.308 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VV017714.D
 Acq: 28 Jul 2020 19:05

Tgt Ion: 83 Resp: 6073
 Ion Ratio Lower Upper
 83 100
 85 57.6 47.3 87.9

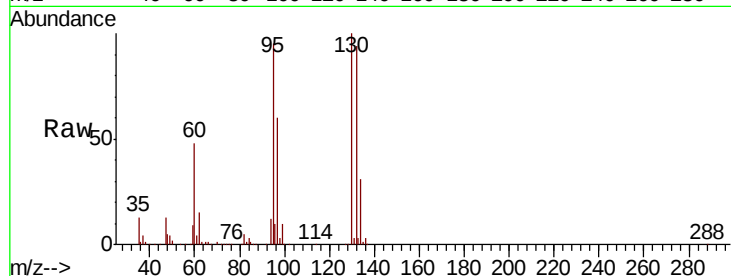




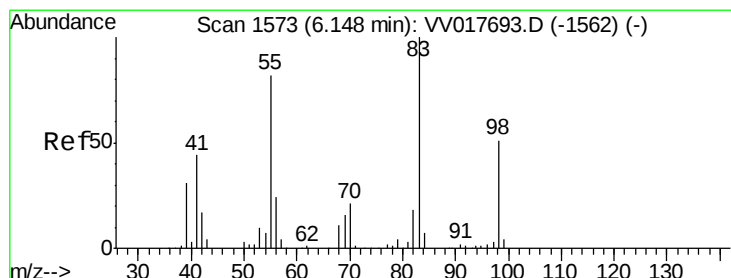
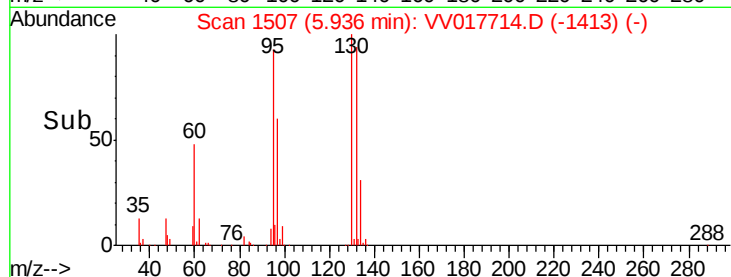
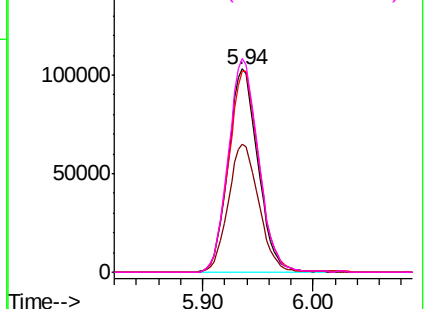
#34
 Trichloroethene
 Concen: 17.681 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017714.D
 Acq: 28 Jul 2020 19:05

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 193754
 Ion Ratio Lower Upper
 95 100
 97 62.8 46.1 85.5
 132 98.8 71.7 133.1
 130 105.2 74.3 137.9

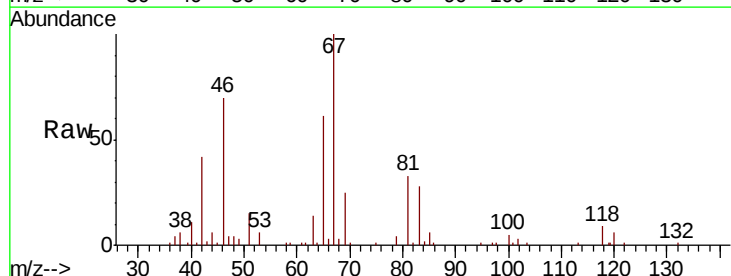


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

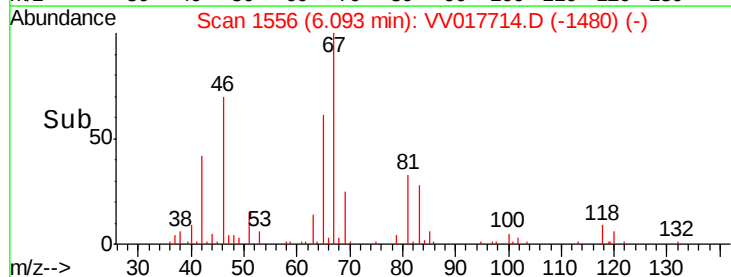
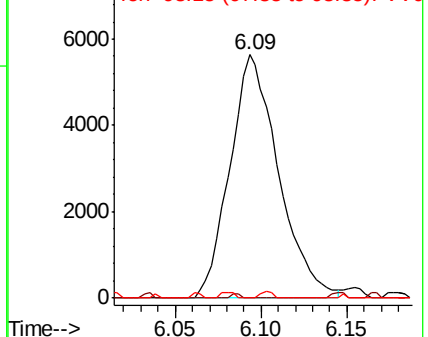


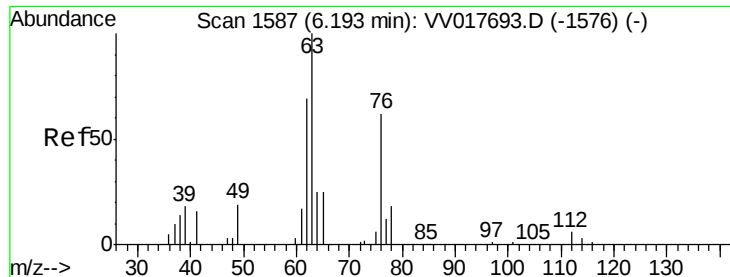
#35
 Methylcyclohexane
 Concen: 0.670 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.05 min
 Lab File: VV017714.D
 Acq: 28 Jul 2020 19:05

Tgt Ion: 83 Resp: 11100
 Ion Ratio Lower Upper
 83 100
 55 0.4 61.8 92.8#
 98 0.0 39.0 58.6#



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: 0.634 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.10 min

Lab File: VV017714.D

Acq: 28 Jul 2020 19:05

Instrument :

MSVOA_V

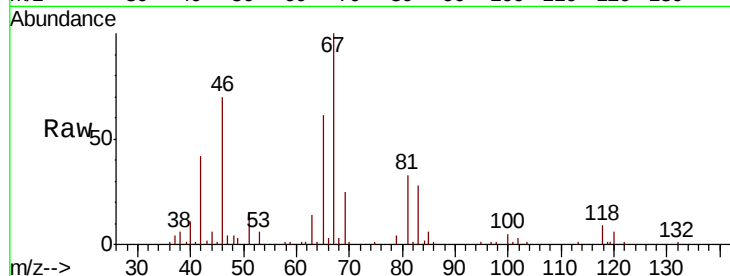
ClientSampleId :

Tot Ion: 63 Resp: 5849

Ion Ratio Lower Upper

63 100

112 0.0 4.5 6.7#



Abundance Ion 63.10 (62.80 to 63.80): VV017693.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV017693.D (-1576) (-)

6.09

3000

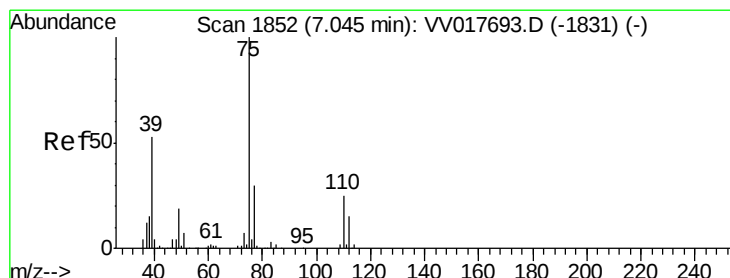
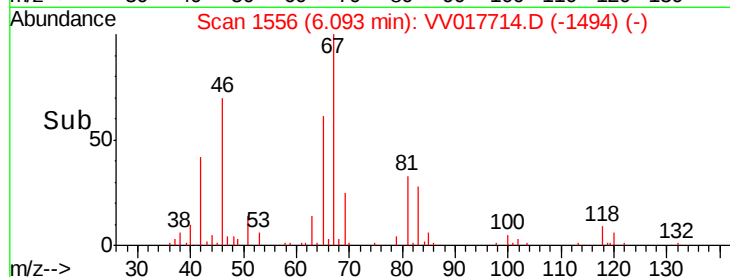
2000

1000

0

6.05 6.10 6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV017714.D

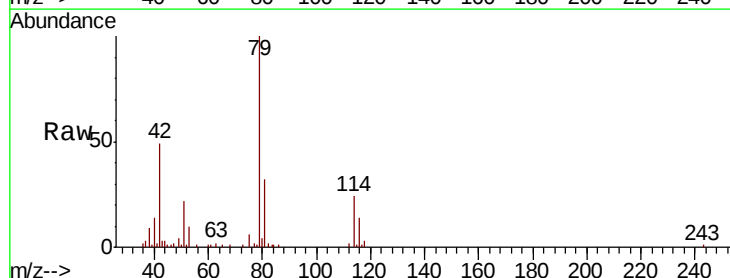
Acq: 28 Jul 2020 19:05

Tgt Ion: 75 Resp: 1477

Ion Ratio Lower Upper

75 100

77 31.0 23.2 43.2



Abundance Ion 75.05 (74.75 to 75.75): VV017693.D (-1831) (-)

Ion 77.05 (76.75 to 77.75): VV017693.D (-1831) (-)

7.01

1000

800

600

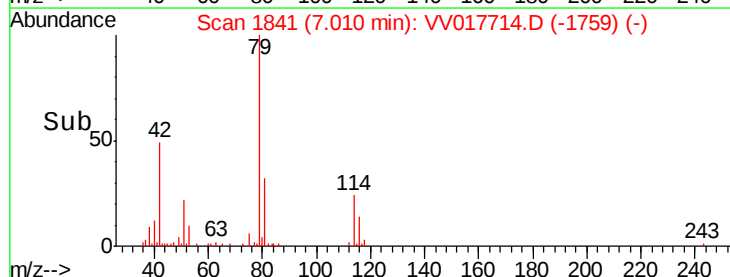
400

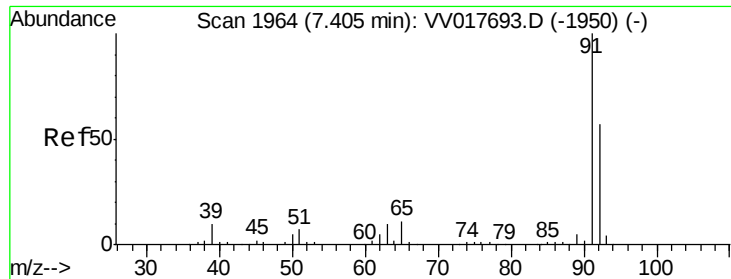
200

0

6.95 7.00 7.05

Time-->





#42

Toluene

Concen: 0.125 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV017714.D

Acq: 28 Jul 2020 19:05

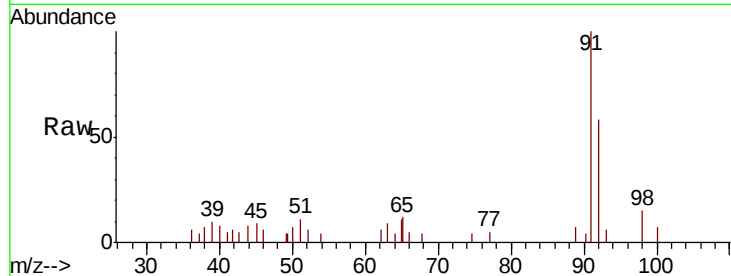
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 5351

Ion Ratio Lower Upper

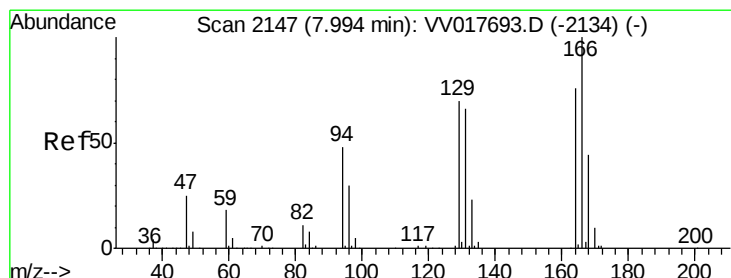
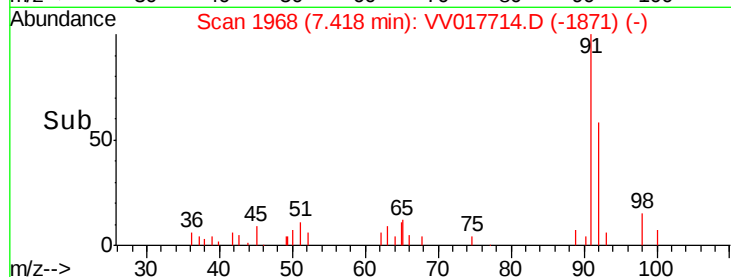
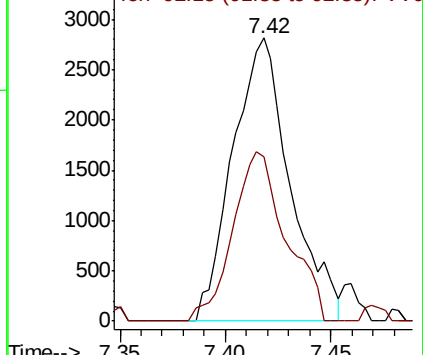
91 100

92 58.1 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017693.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV017693.D (-1950) (-)



#49

Tetrachloroethene

Concen: 0.217 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV017714.D

Acq: 28 Jul 2020 19:05

Tgt Ion: 164 Resp: 2101

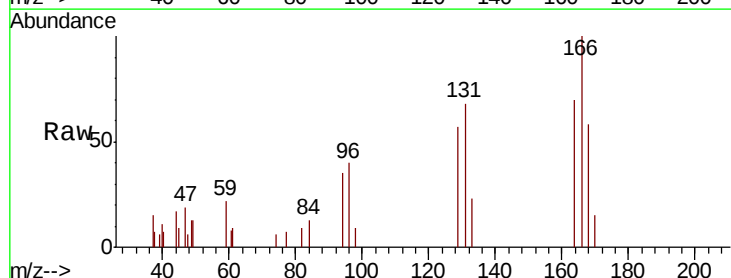
Ion Ratio Lower Upper

164 100

129 82.1 65.0 120.8

131 97.4 63.6 118.2

166 143.8 91.7 170.3

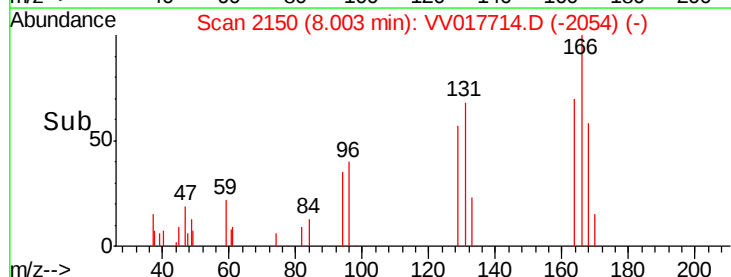
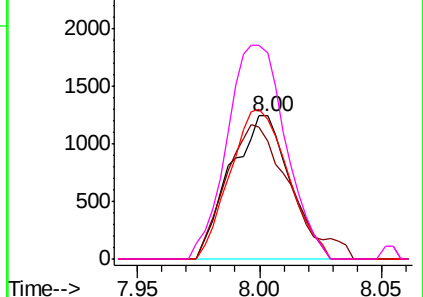


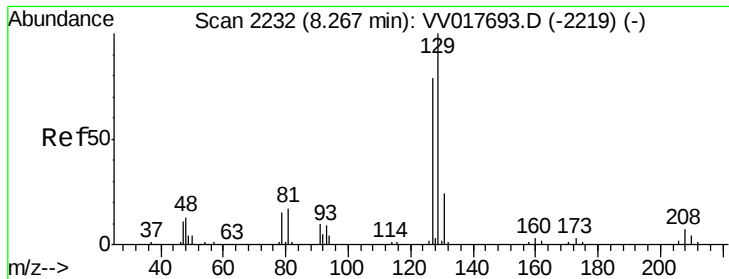
Abundance Ion 163.90 (163.60 to 164.60): VV017693.D (-2134) (-)

Ion 128.95 (128.65 to 129.65): VV017693.D (-2134) (-)

Ion 130.95 (130.65 to 131.65): VV017693.D (-2134) (-)

Ion 165.90 (165.60 to 166.60): VV017693.D (-2134) (-)





#51

Dibromochloromethane

Concen: 0.237 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV017714.D

Acq: 28 Jul 2020 19:05

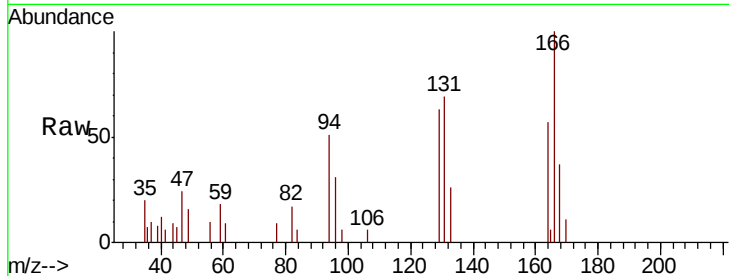
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 2106

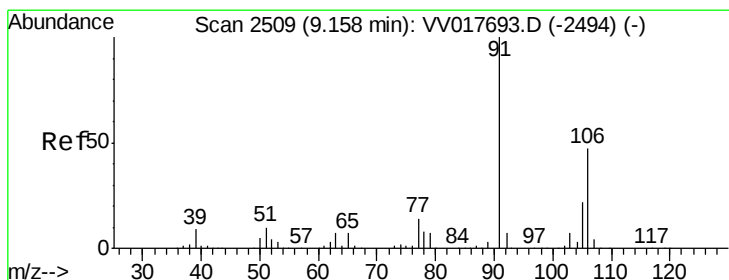
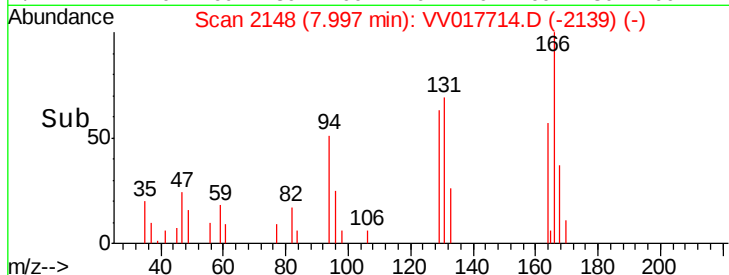
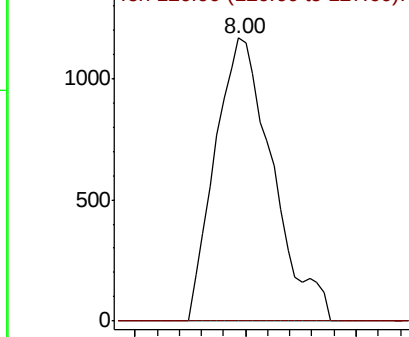
Ion Ratio Lower Upper

129 100

127 0.0 56.3 104.5#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#55

m,p-xylene

Concen: 0.139 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017714.D

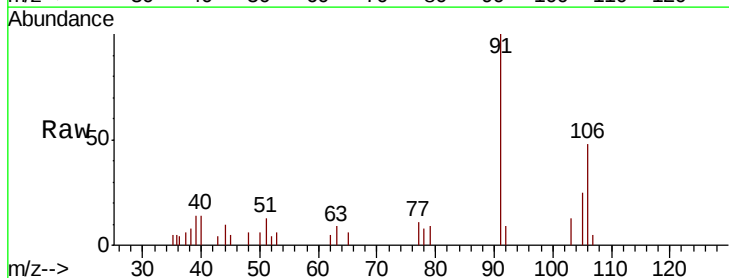
Acq: 28 Jul 2020 19:05

Tgt Ion:106 Resp: 2516

Ion Ratio Lower Upper

106 100

91 210.2 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

