

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072820\
 Data File : VV017716.D
 Acq On : 28 Jul 2020 19:53
 Operator : SY/MD
 Sample : L3470-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 29 05:21:39 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	139595	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	138293	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	67693	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28349	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.58	69	25973	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.12	63	52231	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	3.92	46	78998	49.54	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.08%
24) Chloroform-d	4.38	84	85884	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.06	65	48414	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.40%
32) Benzene-d6	5.08	84	144778	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.10	67	40968	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.34	98	136592	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
45) trans-1,3-Dichloropropene-	7.64	79	17557	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
48) 2-Hexanone-d5	8.11	63	53486	44.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.88%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	30136	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	59676	5.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.60%

Target Compounds

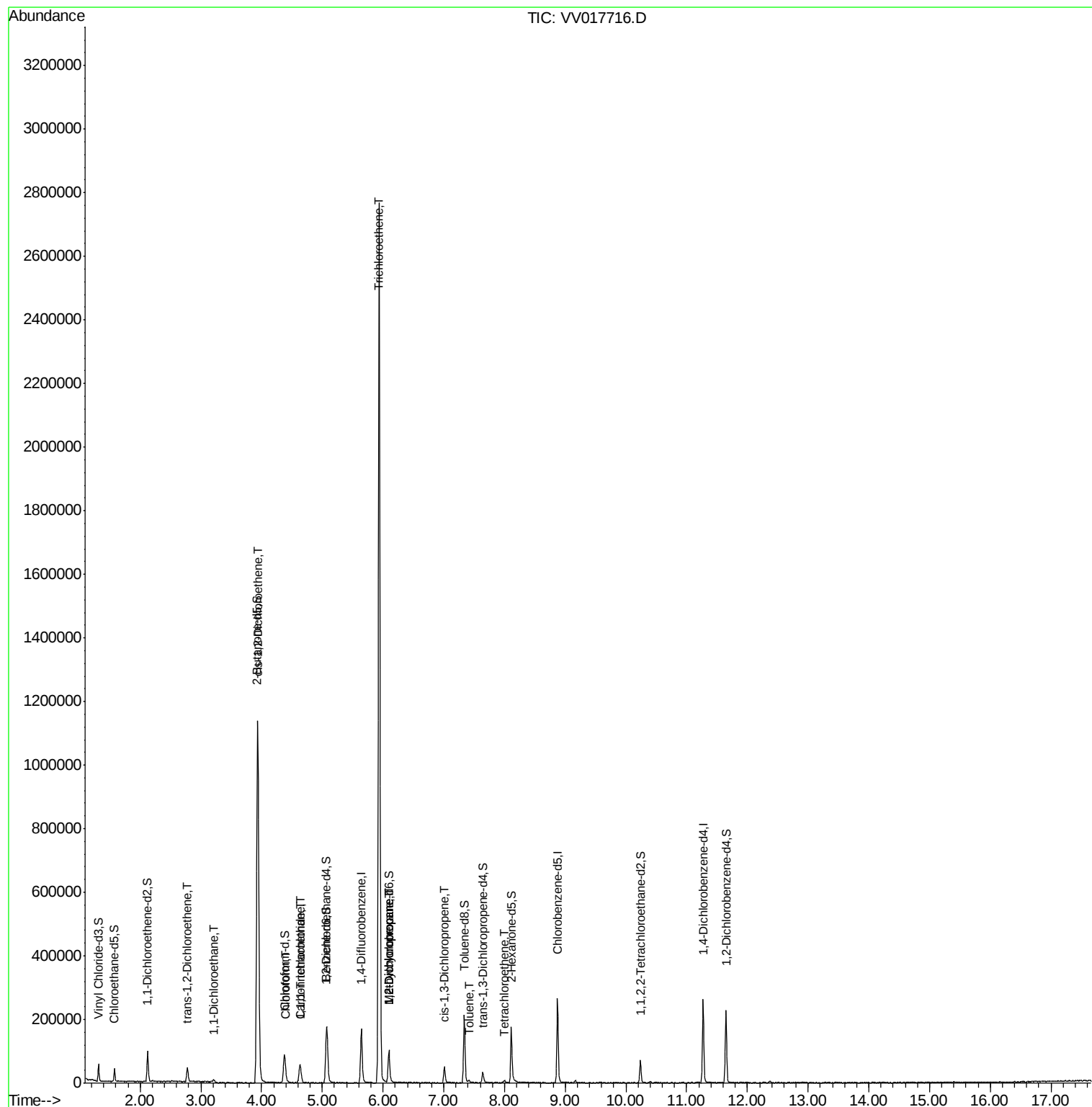
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
18) trans-1,2-Dichloroethene	2.78	96	15639	1.909	ug/L	98
19) 1,1-Dichloroethane	3.21	63	7374	0.428	ug/L	92
22) cis-1,2-Dichloroethene	3.94	96	600343	58.202	ug/L	96
25) Chloroform	4.40	83	6897	0.357	ug/L	91
29) 1,1,1-Trichloroethane	4.63	97	47944	2.478	ug/L	99
31) Carbon tetrachloride	4.64	117	5832	0.339	ug/L	94
34) Trichloroethene	5.94	95	907651	83.010	ug/L	98
35) Methylcyclohexane	6.10	83	11923	0.721	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	5830	0.634	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1743	0.126	ug/L #	56
42) Toluene	7.42	91	5454	0.128	ug/L	92
49) Tetrachloroethene	8.00	164	1657	0.172	ug/L	89

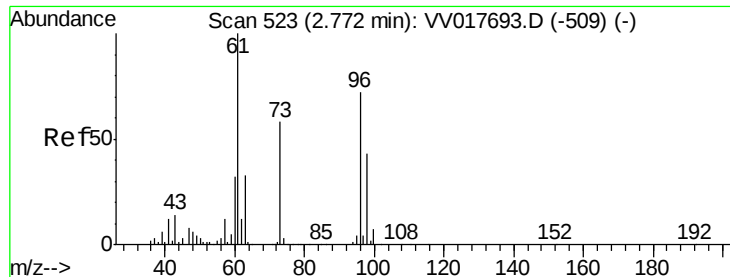
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 29 05:17:09 2020
Response via : Initial Calibration





#18

trans-1,2-Dichloroethene

Concen: 1.909 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV017716.D

Acq: 28 Jul 2020 19:53

Instrument :
MSVOA_V
ClientSampleId :

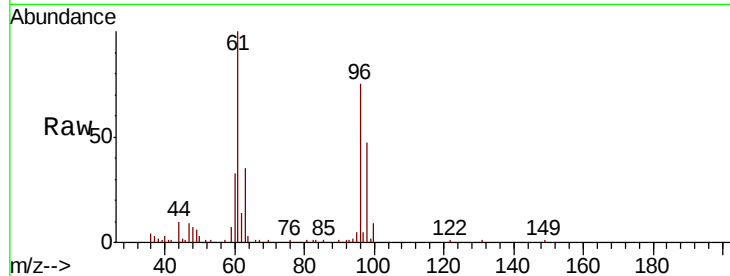
Tot Ion: 96 Resp: 15639

Ion Ratio Lower Upper

96 100

61 133.1 96.0 178.4

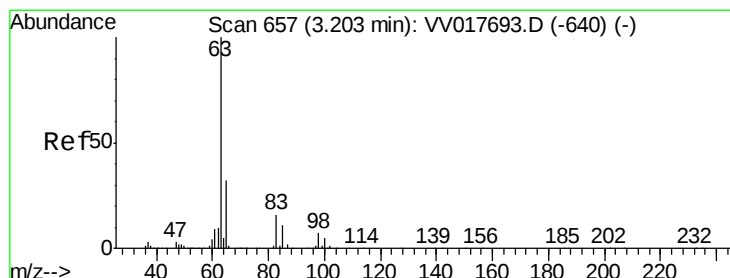
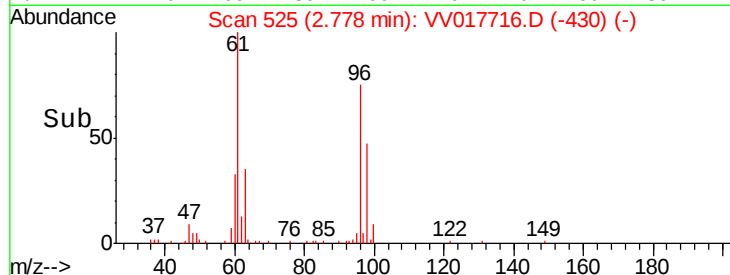
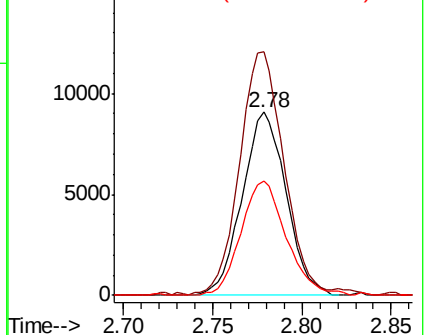
98 62.2 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV017716.D (-430) (-)

Ion 61.05 (60.75 to 61.75): VV017716.D (-430) (-)

Ion 97.95 (97.65 to 98.65): VV017716.D (-430) (-)



#19

1,1-Dichloroethane

Concen: 0.428 ug/L

RT: 3.21 min Scan# 658

Delta R.T. 0.00 min

Lab File: VV017716.D

Acq: 28 Jul 2020 19:53

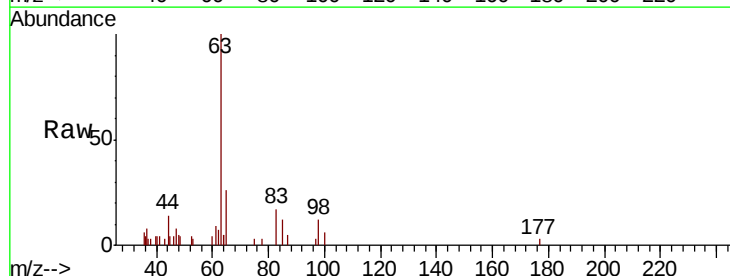
Tgt Ion: 63 Resp: 7374

Ion Ratio Lower Upper

63 100

65 25.7 21.4 39.8

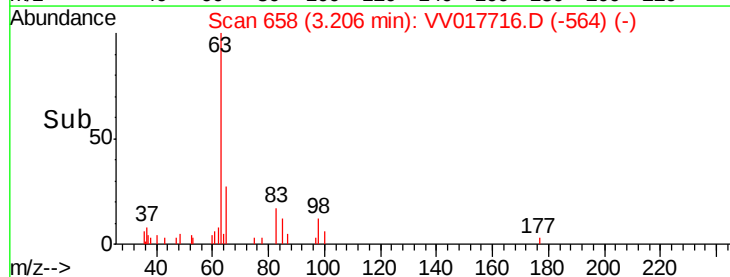
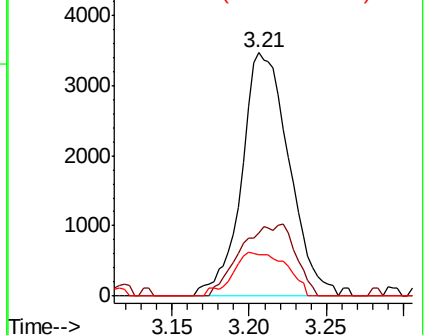
83 16.9 10.4 19.4

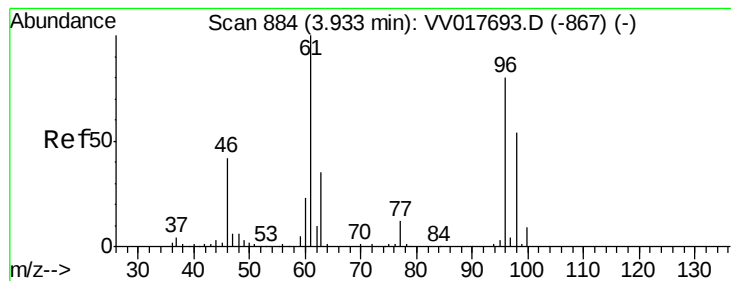


Abundance Ion 63.10 (62.80 to 63.80): VV017716.D (-564) (-)

Ion 65.10 (64.80 to 65.80): VV017716.D (-564) (-)

Ion 83.05 (82.75 to 83.75): VV017716.D (-564) (-)



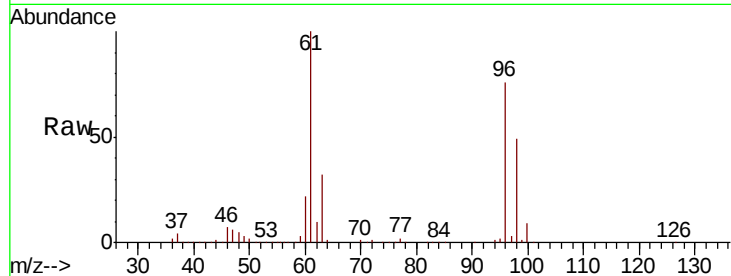


#22

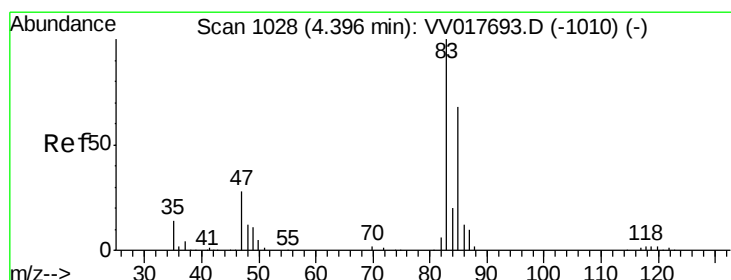
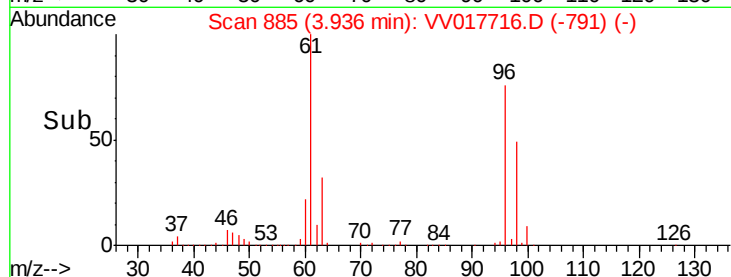
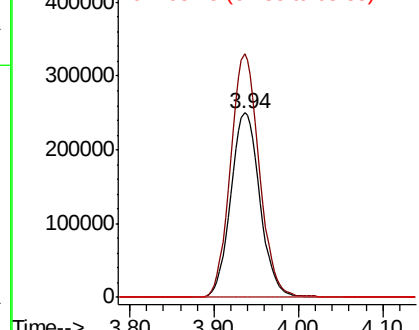
cis-1,2-Dichloroethene
 Concen: 58.202 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV017716.D
 Acq: 28 Jul 2020 19:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 600343
 Ion Ratio Lower Upper
 96 100
 61 132.2 89.6 166.4
 68 0.0 0.0 0.0



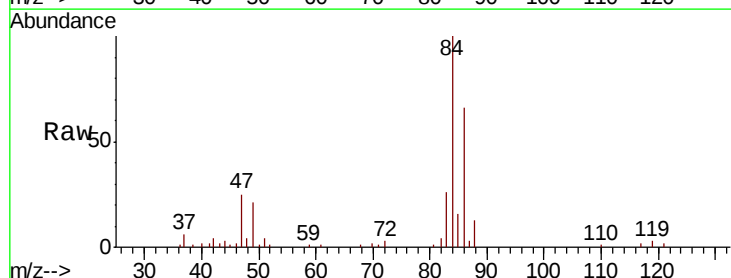
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



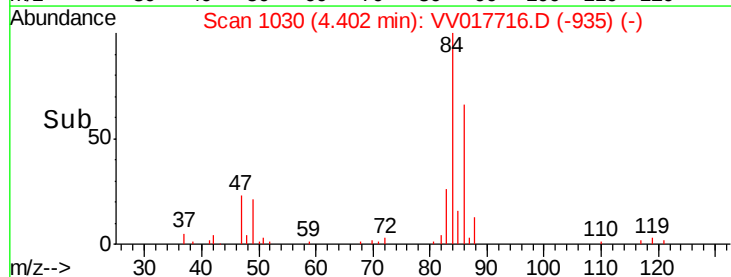
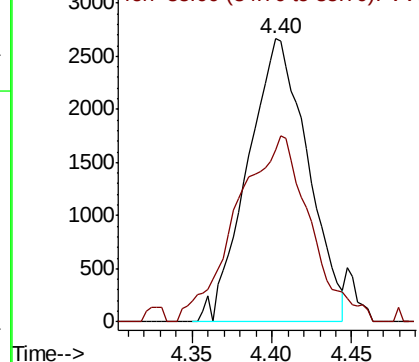
#25

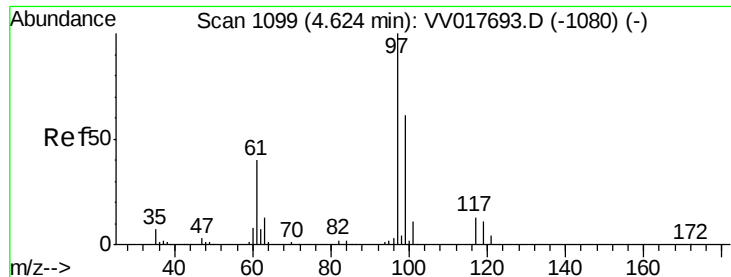
Chloroform
 Concen: 0.357 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VV017716.D
 Acq: 28 Jul 2020 19:53

Tgt Ion: 83 Resp: 6897
 Ion Ratio Lower Upper
 83 100
 85 60.7 47.3 87.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0

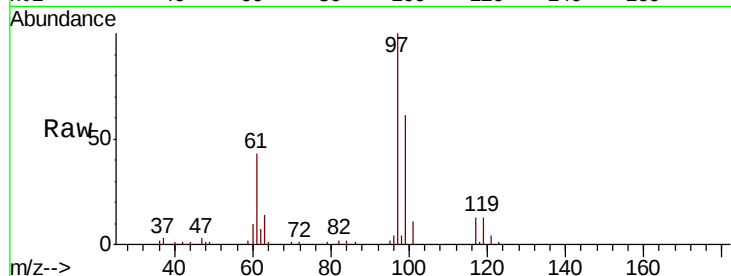




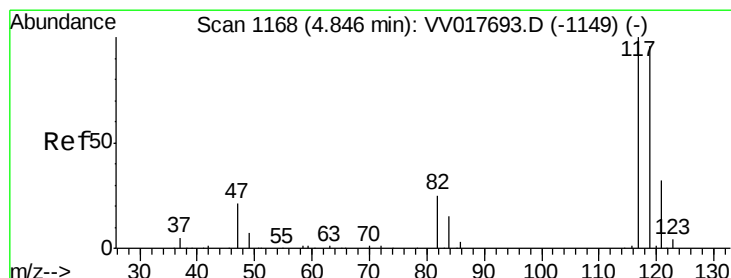
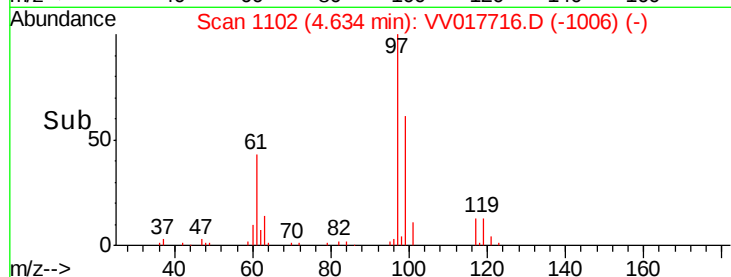
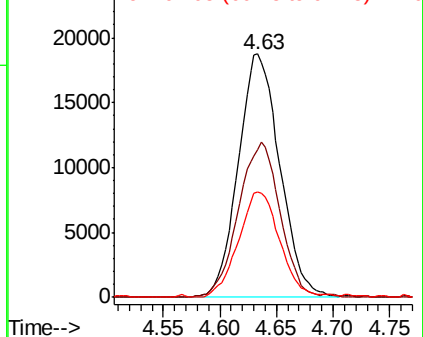
#29
 1,1,1-Trichloroethane
 Concen: 2.478 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.01 min
 Lab File: VV017716.D
 Acq: 28 Jul 2020 19:53

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 47944
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.6 76.0
 61 43.3 35.7 53.5

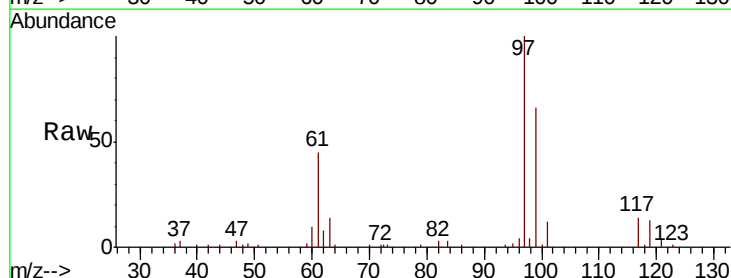


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

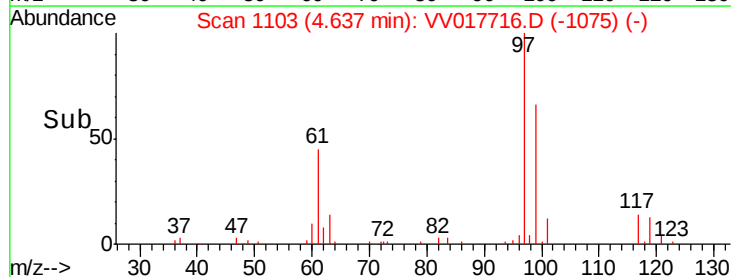
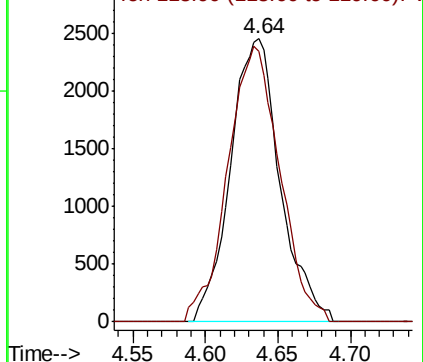


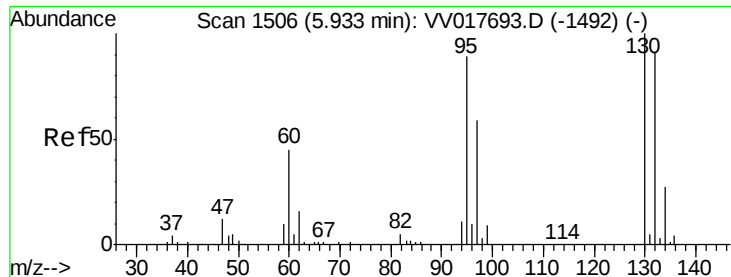
#31
 Carbon tetrachloride
 Concen: 0.339 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. -0.21 min
 Lab File: VV017716.D
 Acq: 28 Jul 2020 19:53

Tgt Ion: 117 Resp: 5832
 Ion Ratio Lower Upper
 117 100
 119 102.0 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V

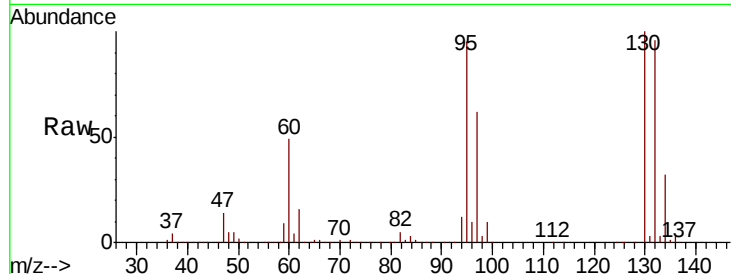




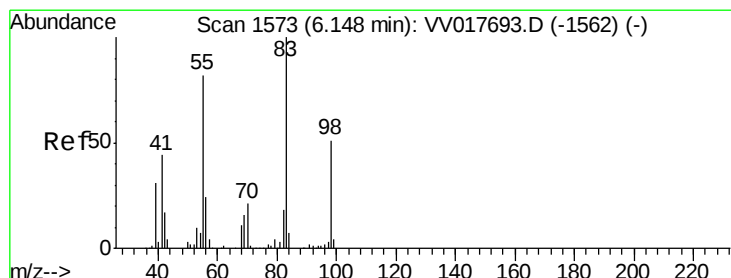
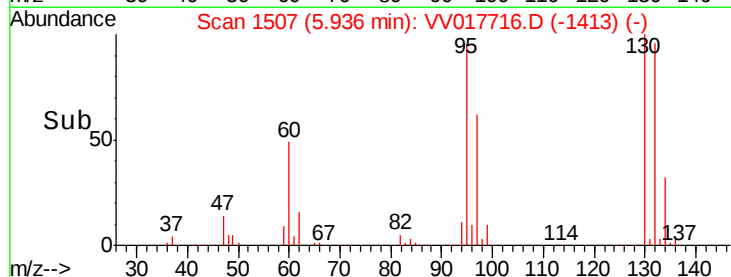
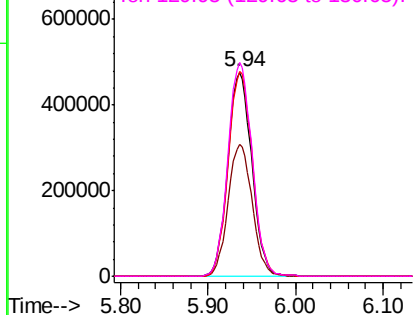
#34
 Trichloroethene
 Concen: 83.010 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017716.D
 Acq: 28 Jul 2020 19:53

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 907651
 Ion Ratio Lower Upper
 95 100
 97 64.7 46.1 85.5
 132 100.3 71.7 133.1
 130 104.8 74.3 137.9

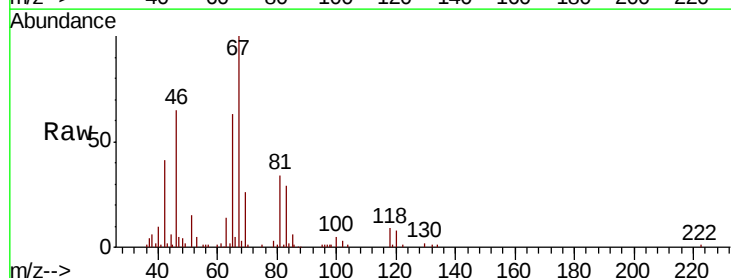


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

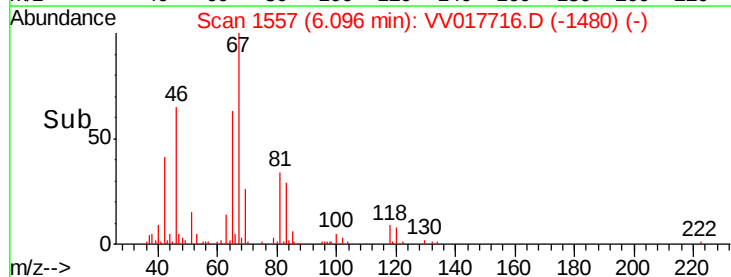
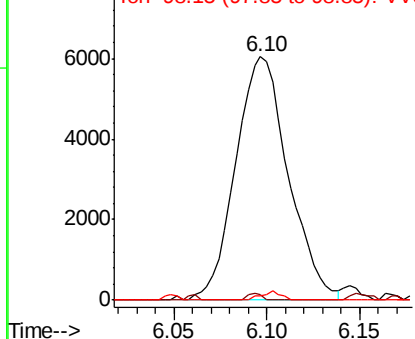


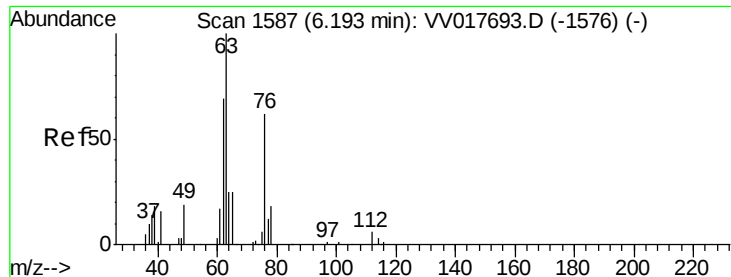
#35
 Methylcyclohexane
 Concen: 0.721 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.05 min
 Lab File: VV017716.D
 Acq: 28 Jul 2020 19:53

Tgt Ion: 83 Resp: 11923
 Ion Ratio Lower Upper
 83 100
 55 0.8 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

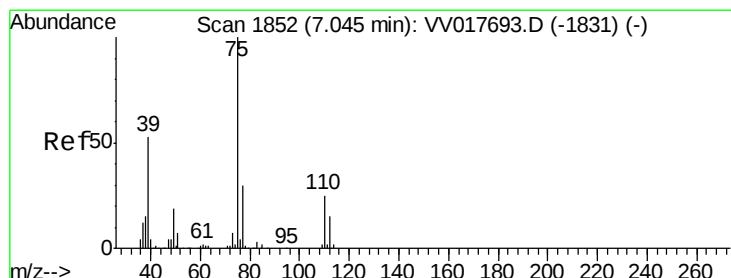
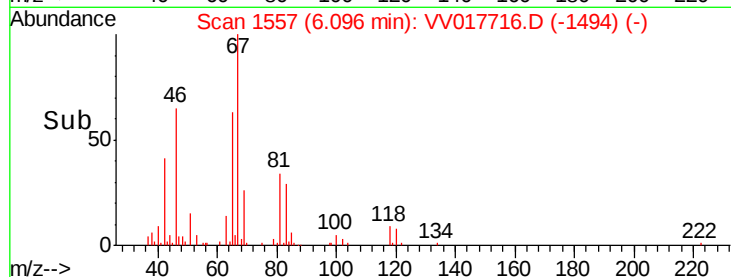
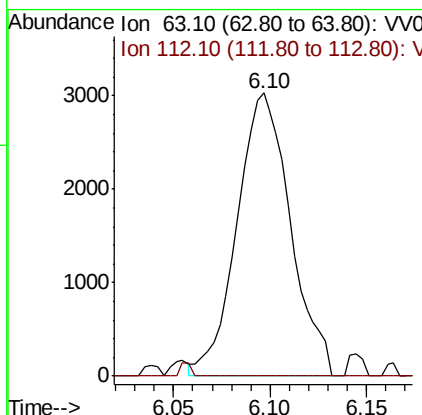
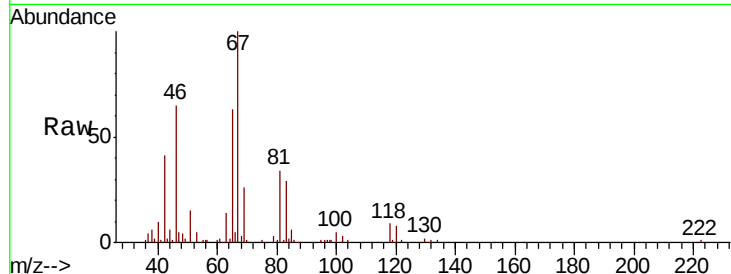




#37
 1,2-Dichloropropane
 Concen: 0.634 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017716.D
 Acq: 28 Jul 2020 19:53

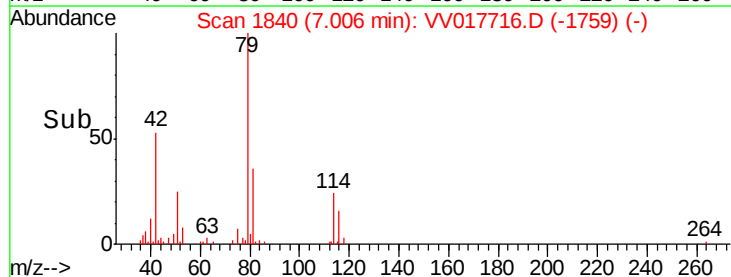
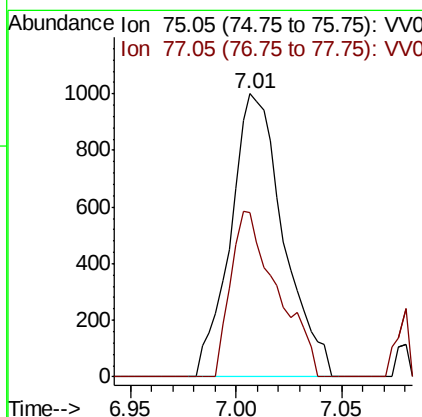
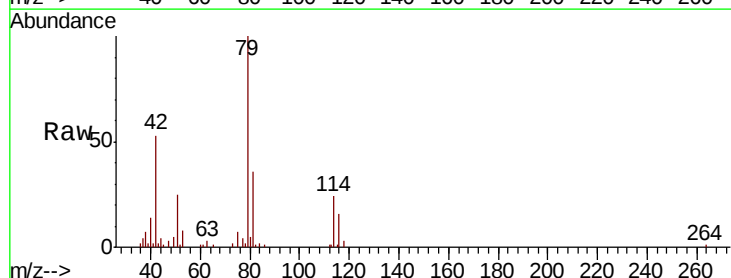
Instrument :
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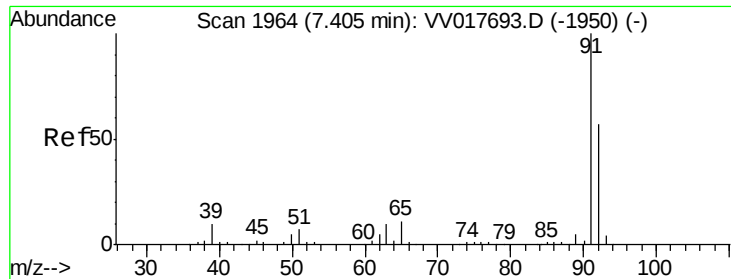
Tot Ion: 63 Resp: 5830
 Ion Ratio Lower Upper
 63 100
 112 0.9 4.5 6.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.126 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017716.D
 Acq: 28 Jul 2020 19:53

Tgt Ion: 75 Resp: 1743
 Ion Ratio Lower Upper
 75 100
 77 57.9 23.2 43.2#





#42

Toluene

Concen: 0.128 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV017716.D

Acq: 28 Jul 2020 19:53

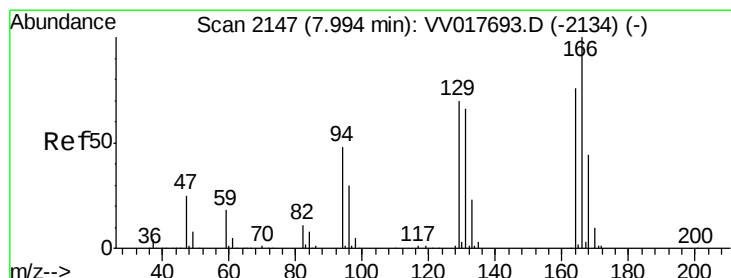
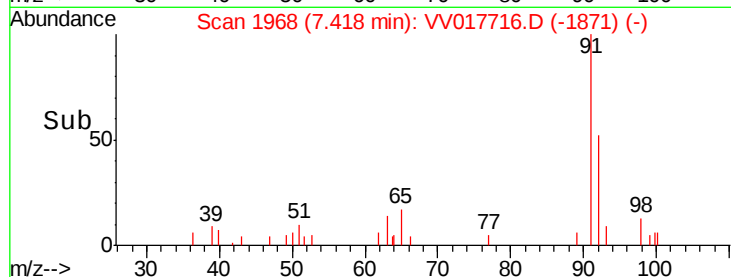
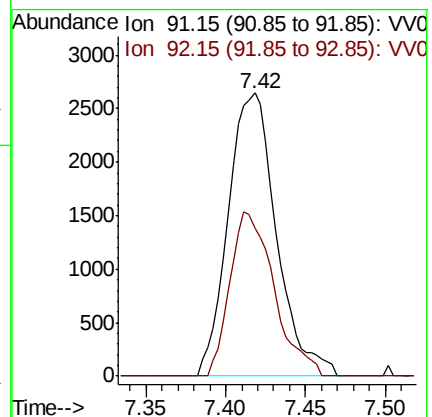
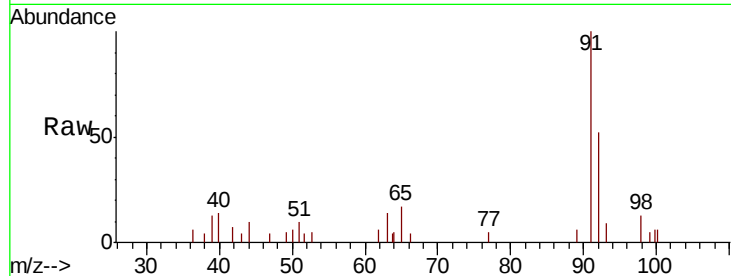
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 5454

Ion Ratio Lower Upper

91 100

92 52.3 40.8 75.8



#49

Tetrachloroethene

Concen: 0.172 ug/L

RT: 8.00 min Scan# 2150

Delta R.T. 0.01 min

Lab File: VV017716.D

Acq: 28 Jul 2020 19:53

Tgt Ion: 164 Resp: 1657

Ion Ratio Lower Upper

164 100

129 89.2 65.0 120.8

131 80.1 63.6 118.2

166 112.5 91.7 170.3

