

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070920\
 Data File : VV017398.D
 Acq On : 09 Jul 2020 15:16
 Operator : SY/MD
 Sample : L3254-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4A42

Quant Time: Jul 10 04:02:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 10 04:00:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	271997	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	256737	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	126373	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59341	41.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.82%
7) Chloroethane-d5	1.58	69	46591	46.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.68%
11) 1,1-Dichloroethene-d2	2.12	63	100348	31.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.60%
21) 2-Butanone-d5	3.91	46	92007	95.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.13%
24) Chloroform-d	4.38	84	143360	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.54%
26) 1,2-Dichloroethane-d4	5.06	65	103917	46.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.44%
32) Benzene-d6	5.08	84	254676	45.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.84%
36) 1,2-Dichloropropane-d6	6.10	67	74026	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.70%
41) Toluene-d8	7.34	98	233185	43.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.46%
43) trans-1,3-Dichloropropene-	7.64	79	41292	44.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.84%
47) 2-Hexanone-d5	8.11	63	60338	92.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	99448	44.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	101116	47.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.72%

Target Compounds

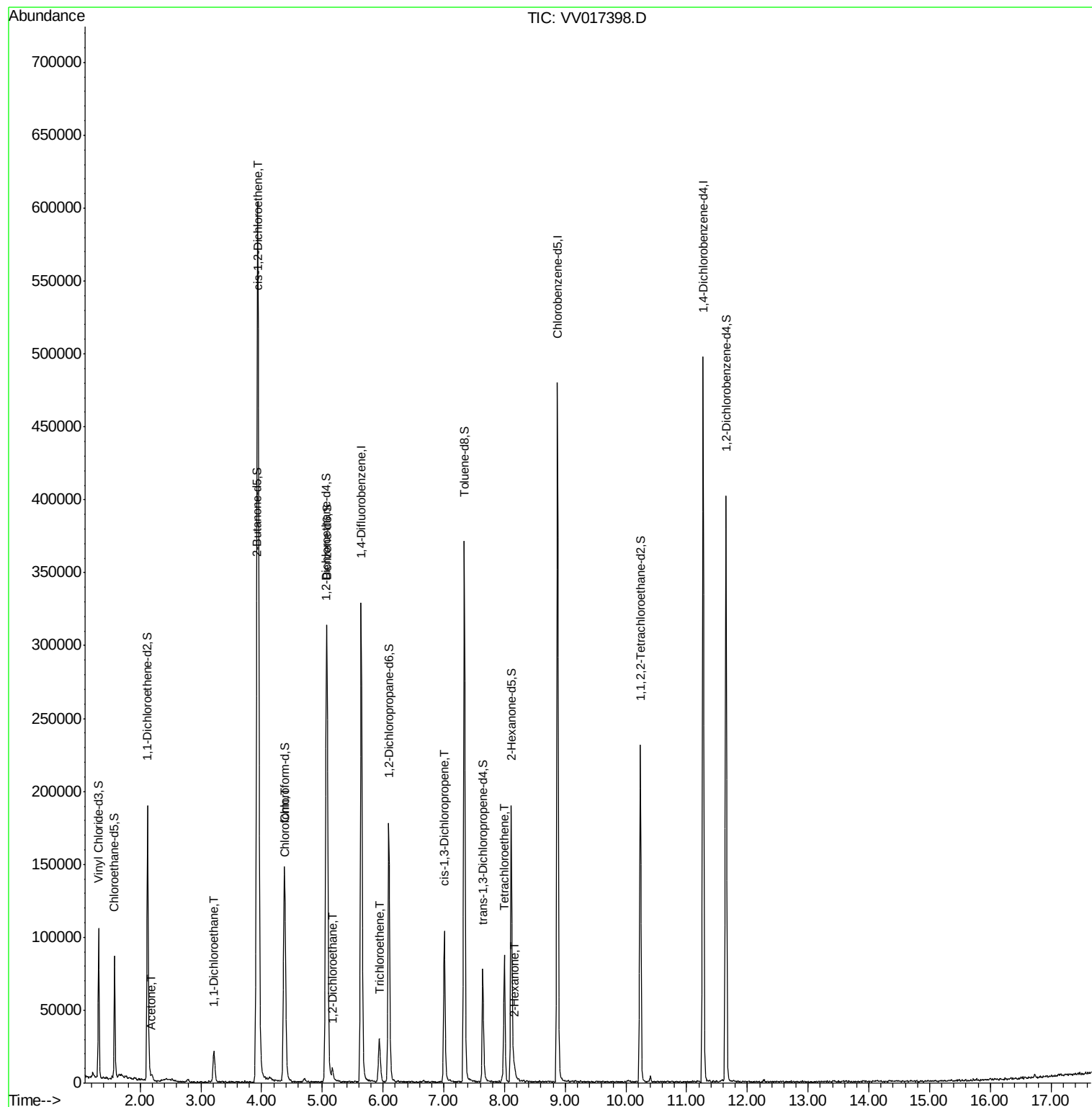
					Ovalue
13) Acetone	2.20	43	5060	3.843 ug/L	92
19) 1,1-Dichloroethane	3.21	63	20534	6.286 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	311382	163.579 ug/L	99
25) Chloroform	4.40	83	5046	1.376 ug/L	96
27) 1,2-Dichloroethane	5.16	62	7742	2.402 ug/L	100
34) Trichloroethene	5.94	95	7294	3.620 ug/L	95
39) cis-1,3-Dichloropropene	7.01	75	2757	0.975 ug/L #	76
46) Tetrachloroethene	8.00	164	19363	11.445 ug/L	96
48) 2-Hexanone	8.16	43	4632	2.493 ug/L #	44

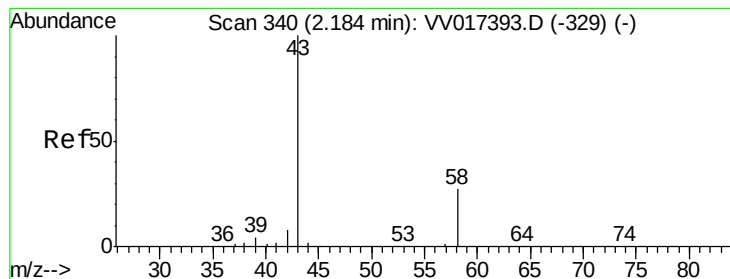
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 3.843 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV017398.D

Acq: 09 Jul 2020 15:16

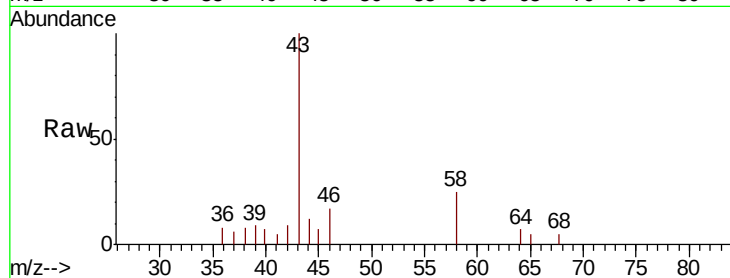
Instrument :
MSVOA_V
ClientSampled :
F4A42

Tot Ion: 43 Resp: 5060

Ion Ratio Lower Upper

43 100

58 24.0 0.0 56.0



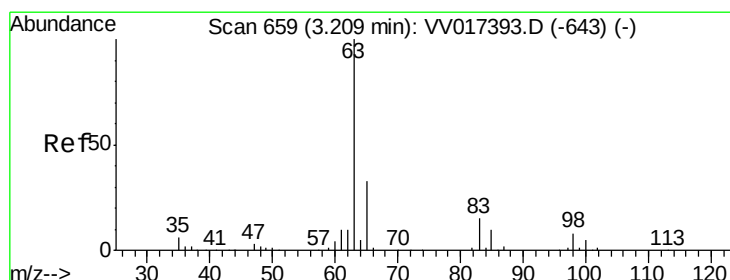
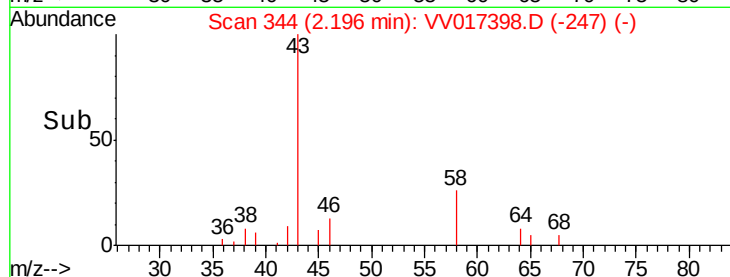
Abundance Ion 43.00 (42.70 to 43.70): VV017398.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV017398.D (-329) (-)

2.20

2.25

Time-->



#19

1,1-Dichloroethane

Concen: 6.286 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017398.D

Acq: 09 Jul 2020 15:16

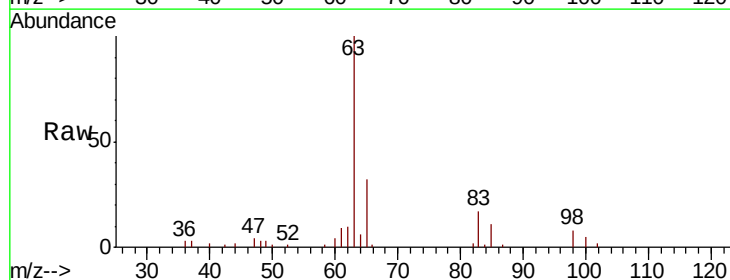
Tgt Ion: 63 Resp: 20534

Ion Ratio Lower Upper

63 100

65 31.8 22.1 41.1

83 16.6 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV017398.D (-566) (-)

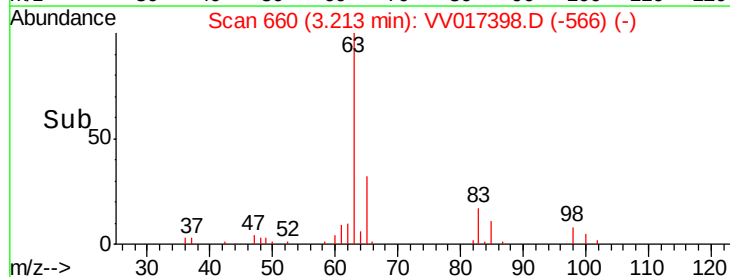
Ion 65.00 (64.70 to 65.70): VV017398.D (-566) (-)

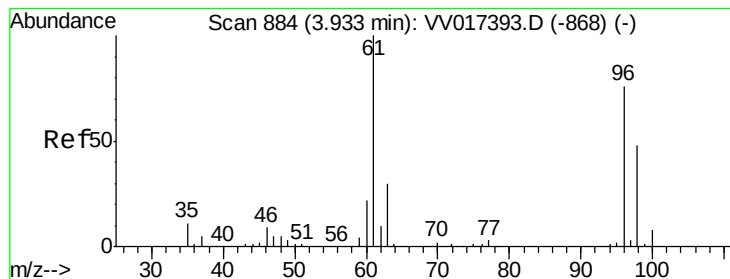
Ion 83.00 (82.70 to 83.70): VV017398.D (-566) (-)

3.21

3.30

Time-->



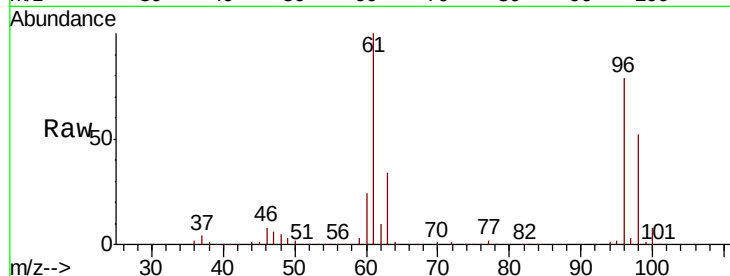


#20

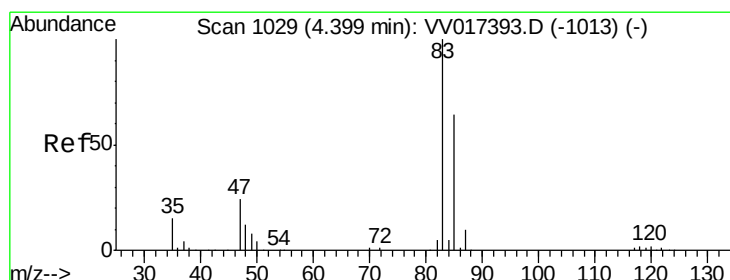
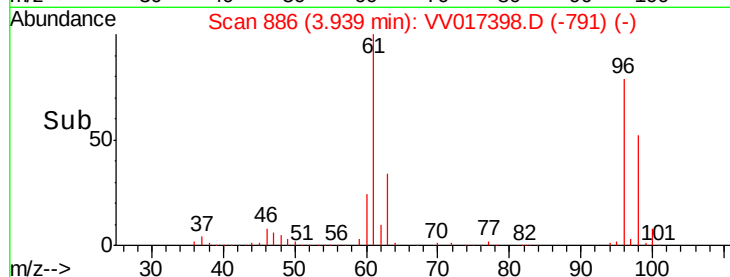
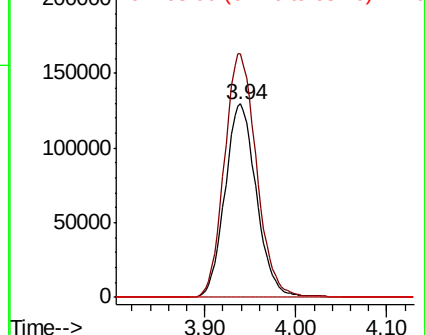
cis-1,2-Dichloroethene
 Concen: 163.579 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV017398.D
 Acq: 09 Jul 2020 15:16

Instrument :
 MSVOA_V
 ClientSampled :
 F4A42

Tot Ion: 96 Resp: 311382
 Ion Ratio Lower Upper
 96 100
 61 126.0 88.9 165.1
 68 0.0 0.0 0.0



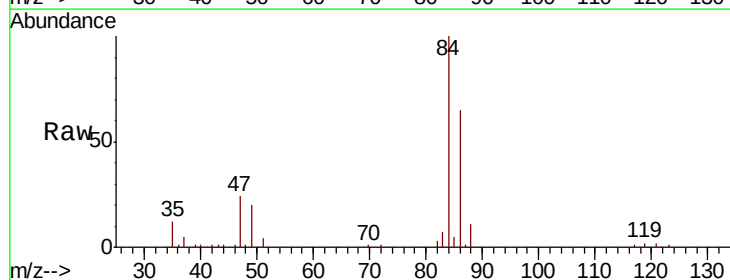
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0



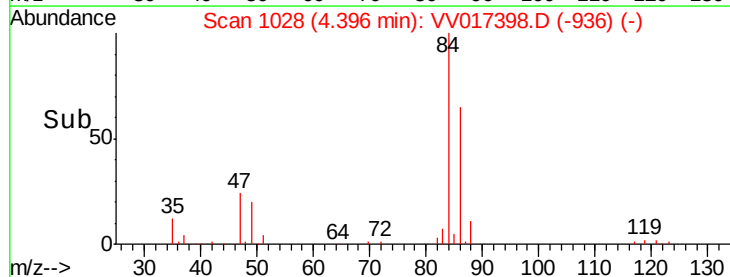
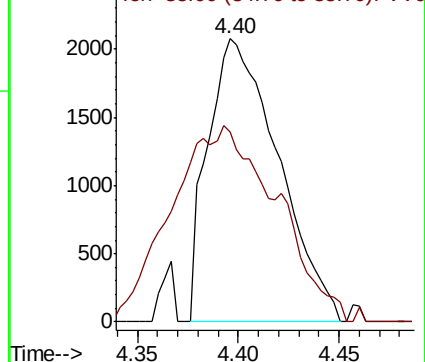
#25

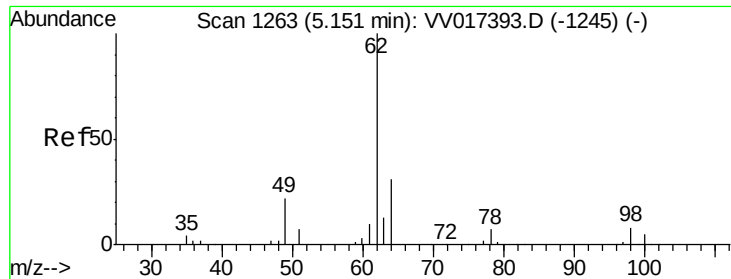
Chloroform
 Concen: 1.376 ug/L
 RT: 4.40 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: VV017398.D
 Acq: 09 Jul 2020 15:16

Tgt Ion: 83 Resp: 5046
 Ion Ratio Lower Upper
 83 100
 85 67.3 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

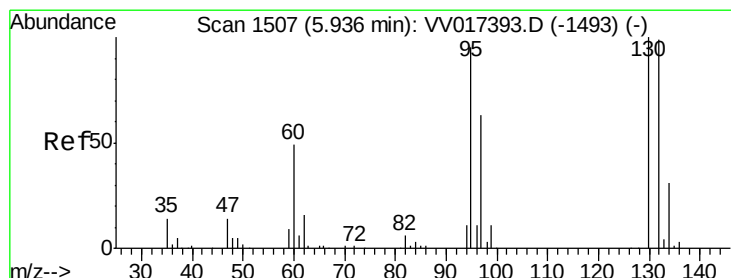
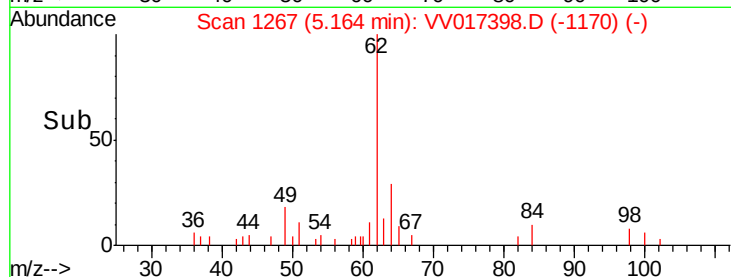
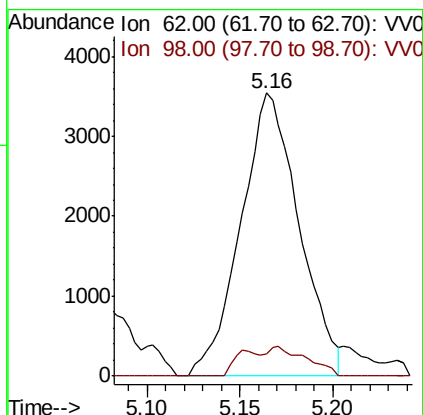
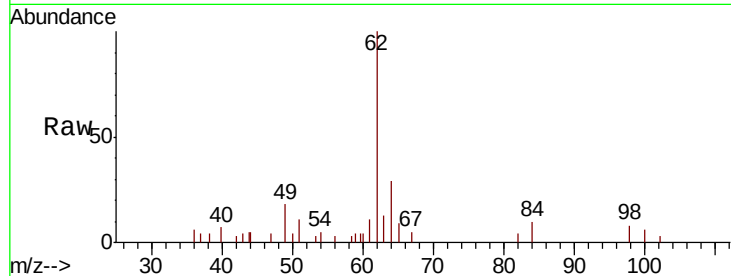




#27
 1,2-Dichloroethane
 Concen: 2.402 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VV017398.D
 Acq: 09 Jul 2020 15:16

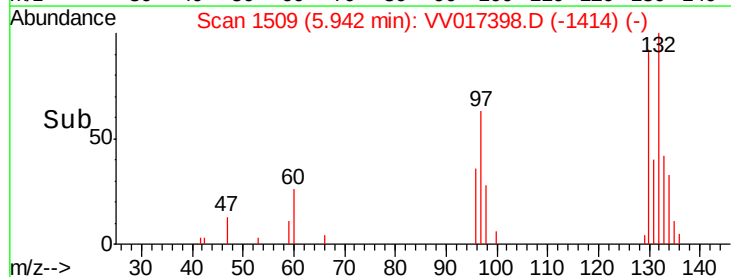
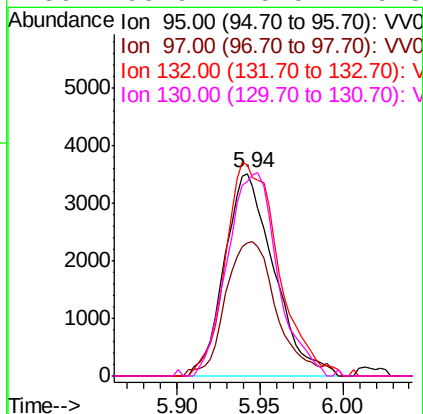
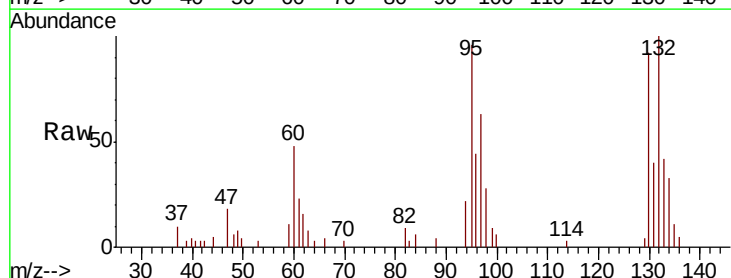
Instrument :
 MSVOA_V
 ClientSampleId :
 F4A42

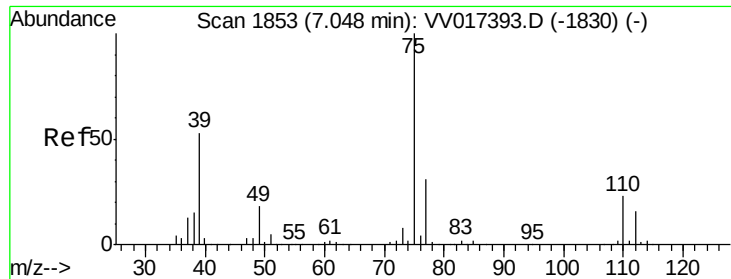
Tot Ion: 62 Resp: 7742
 Ion Ratio Lower Upper
 62 100
 98 7.9 6.4 9.6



#34
 Trichloroethene
 Concen: 3.620 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV017398.D
 Acq: 09 Jul 2020 15:16

Tgt Ion: 95 Resp: 7294
 Ion Ratio Lower Upper
 95 100
 97 65.8 45.6 84.6
 132 103.9 74.1 137.5
 130 95.9 75.5 140.3

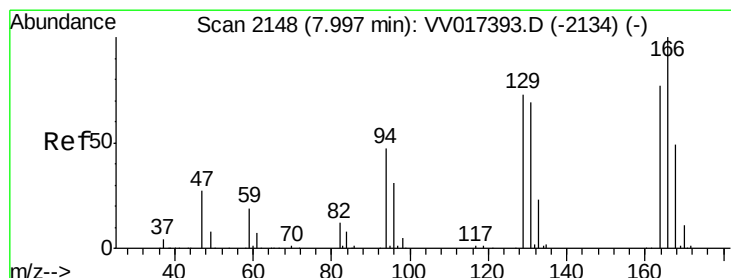
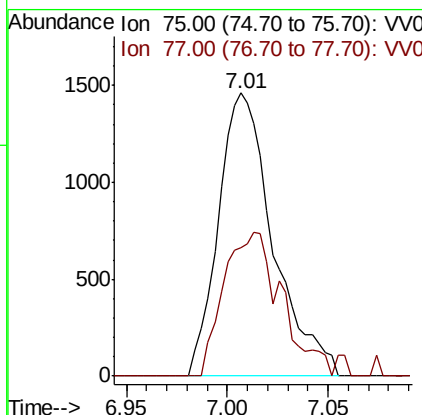
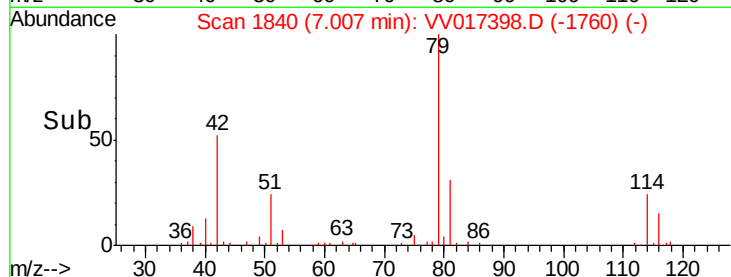
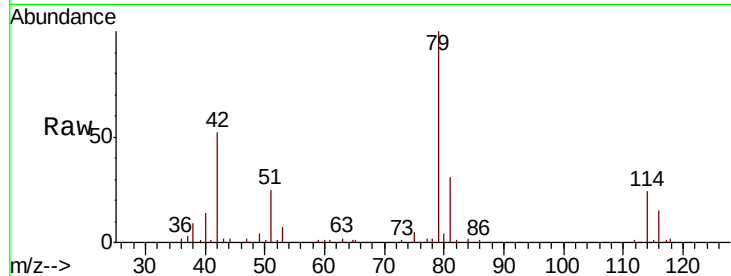




#39
 cis-1,3-Dichloropropene
 Concen: 0.975 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017398.D
 Acq: 09 Jul 2020 15:16

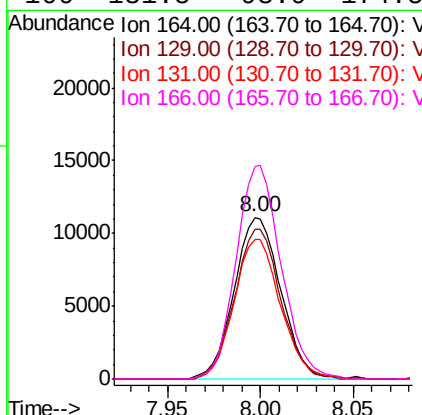
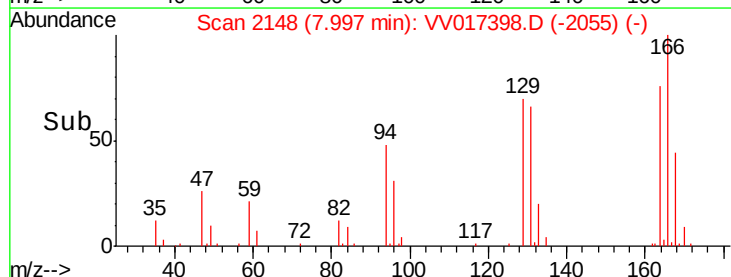
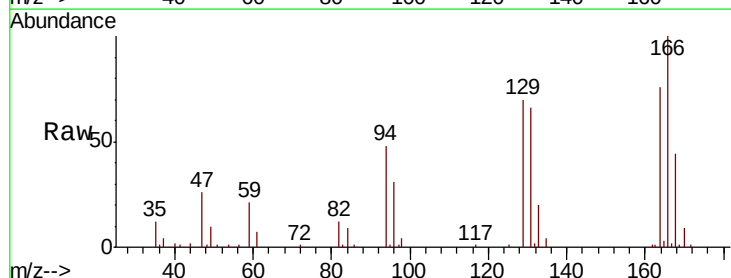
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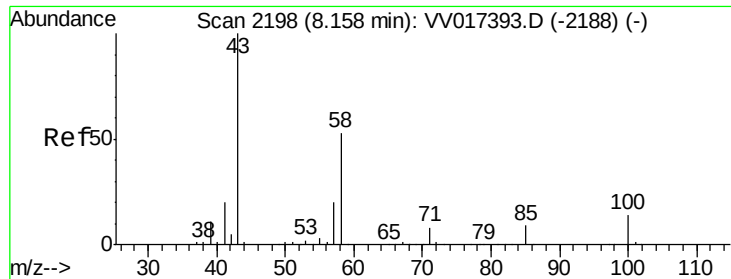
Tot Ion: 75 Resp: 2757
 Ion Ratio Lower Upper
 75 100
 77 45.2 22.2 41.2#



#46
 Tetrachloroethene
 Concen: 11.445 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017398.D
 Acq: 09 Jul 2020 15:16

Tgt Ion:164 Resp: 19363
 Ion Ratio Lower Upper
 164 100
 129 92.7 66.6 123.8
 131 86.5 65.5 121.7
 166 131.5 93.9 174.5





#48
 2-Hexanone
 Concen: 2.493 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: VV017398.D
 Acq: 09 Jul 2020 15:16

Instrument :
 MSVOA_V
 ClientSampleId :
 F4A42

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.6	64.0#
57	7.0	16.2	24.4#
100	5.7	10.9	16.3#

