

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070920\
 Data File : VV017417.D
 Acq On : 09 Jul 2020 23:00
 Operator : SY/MD
 Sample : L3253-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4A24

Quant Time: Jul 10 05:15:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 10 05:13:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	269428	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	255687	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	127188	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57236	40.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.62%
7) Chloroethane-d5	1.58	69	43804	44.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.92%
11) 1,1-Dichloroethene-d2	2.12	63	98920	31.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.30%
21) 2-Butanone-d5	3.91	46	89019	92.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.92%
24) Chloroform-d	4.38	84	140907	43.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.86%
26) 1,2-Dichloroethane-d4	5.06	65	103672	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.10%
32) Benzene-d6	5.08	84	251398	45.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.04%
36) 1,2-Dichloropropane-d6	6.09	67	71892	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.40%
41) Toluene-d8	7.34	98	232099	43.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.42%
43) trans-1,3-Dichloropropene-	7.64	79	39393	42.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.10%
47) 2-Hexanone-d5	8.11	63	57787	88.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.53%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	98815	44.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.50%
64) 1,2-Dichlorobenzene-d4	11.65	152	99576	46.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.64%

Target Compounds

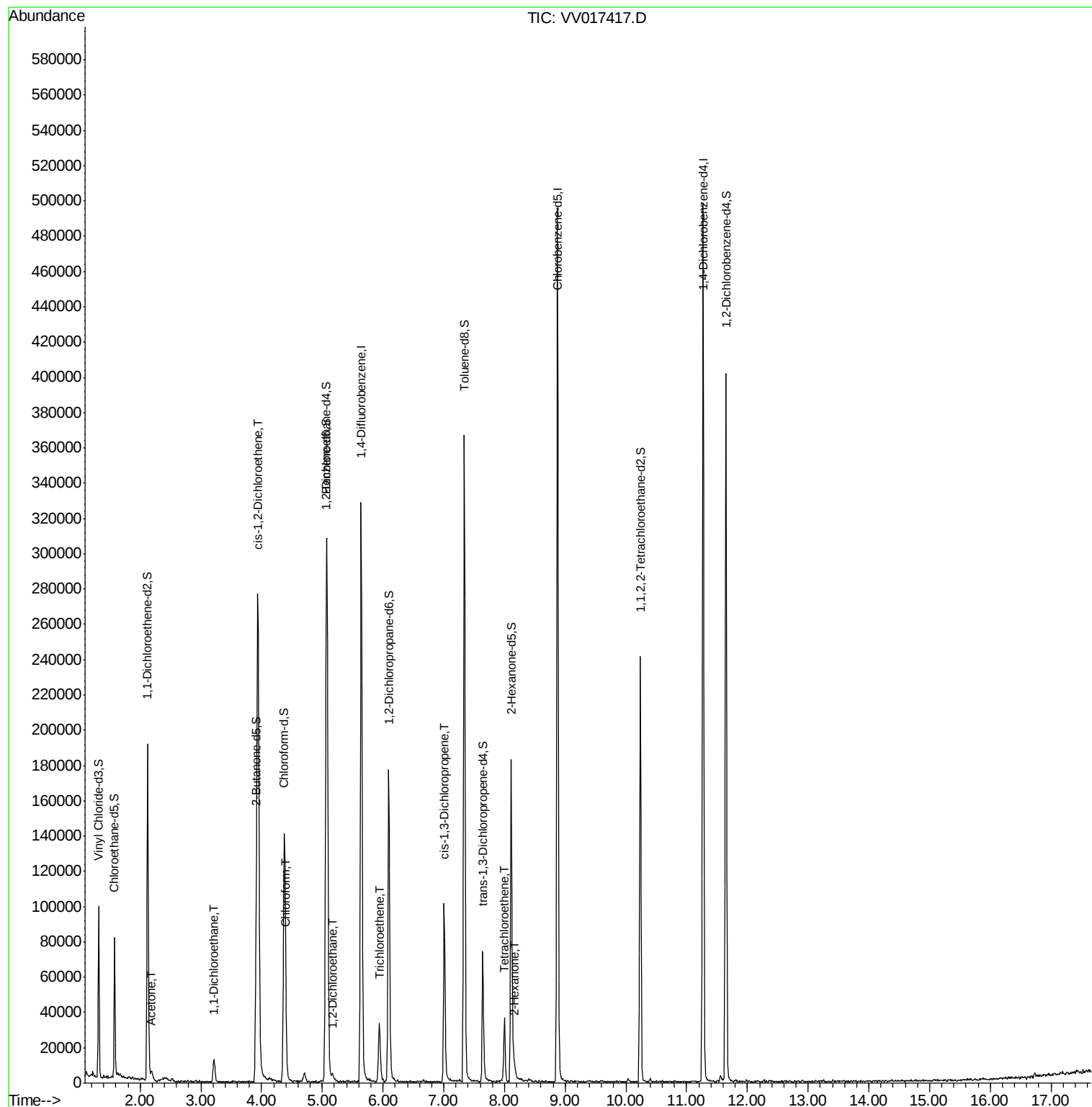
					Ovalue
13) Acetone	2.19	43	5669	4.347 ug/L	95
19) 1,1-Dichloroethane	3.21	63	12701	3.925 ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	144358	76.559 ug/L	97
25) Chloroform	4.41	83	4012	1.105 ug/L	95
27) 1,2-Dichloroethane	5.17	62	2490	0.780 ug/L #	77
34) Trichloroethene	5.95	95	8412	4.192 ug/L	93
39) cis-1,3-Dichloropropene	7.01	75	2848	1.011 ug/L #	59
46) Tetrachloroethene	8.00	164	8319	4.937 ug/L	93
48) 2-Hexanone	8.17	43	4340	2.345 ug/L #	46

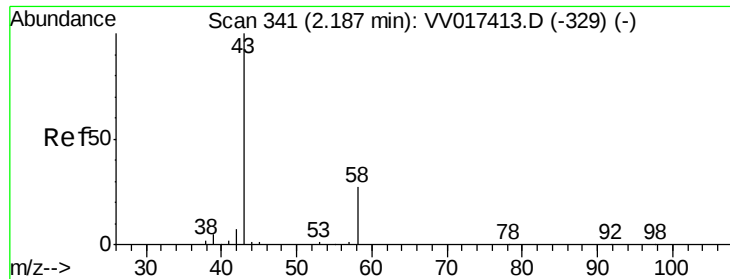
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jul 10 05:13:25 2020
Response via : Initial Calibration





#13

Acetone

Concen: 4.347 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV017417.D

Acq: 09 Jul 2020 23:00

Instrument :

MSVOA_V

ClientSampled :

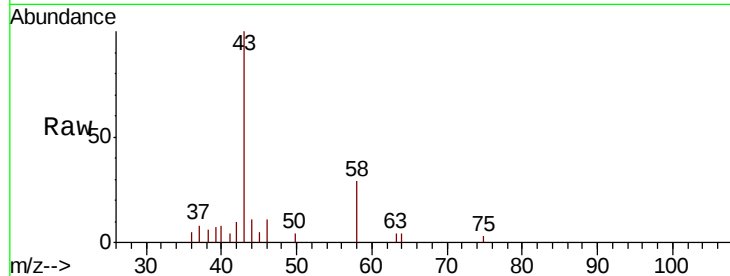
F4A24

Tot Ion: 43 Resp: 5669

Ion Ratio Lower Upper

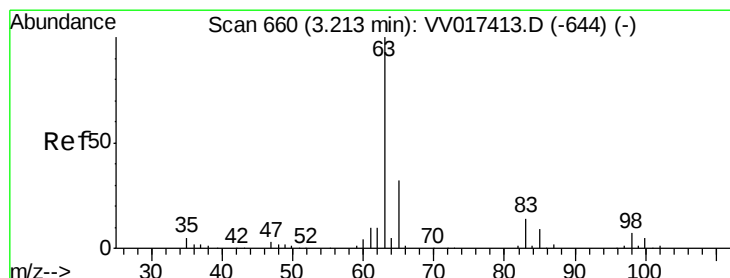
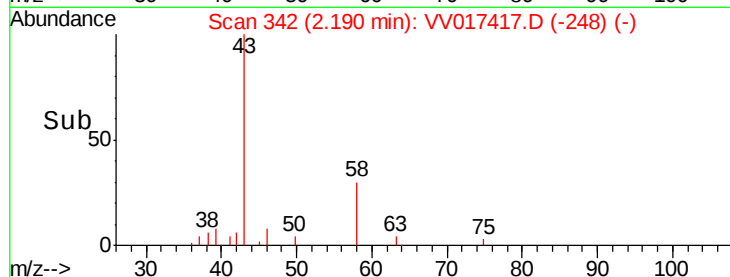
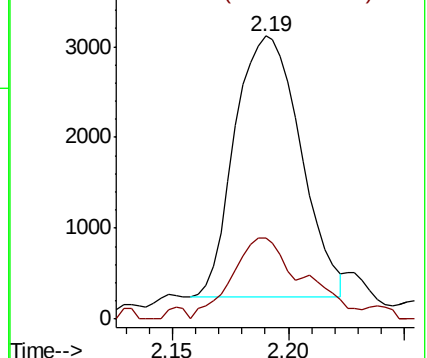
43 100

58 25.3 0.0 56.0



Abundance Ion 43.00 (42.70 to 43.70): VV017417.D (-342) (-)

Ion 58.00 (57.70 to 58.70): VV017417.D (-342) (-)



#19

1,1-Dichloroethane

Concen: 3.925 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV017417.D

Acq: 09 Jul 2020 23:00

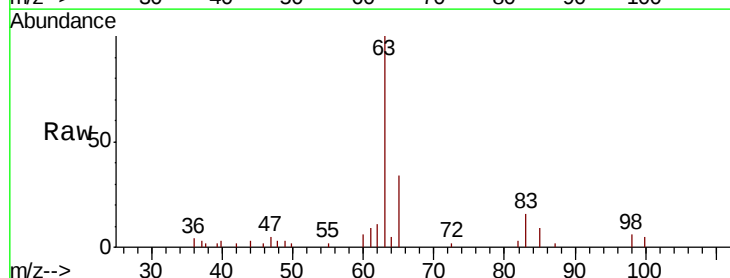
Tgt Ion: 63 Resp: 12701

Ion Ratio Lower Upper

63 100

65 33.6 22.1 41.1

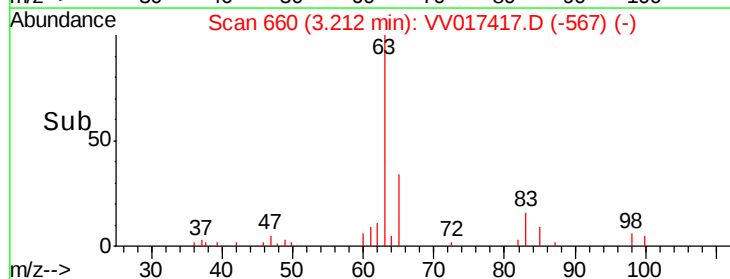
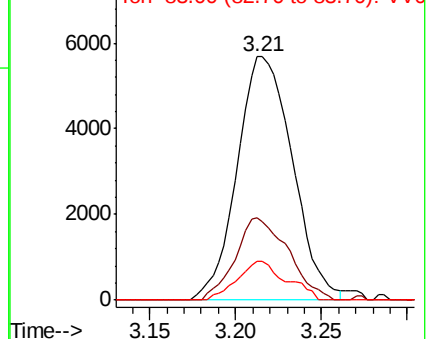
83 15.8 10.1 18.9

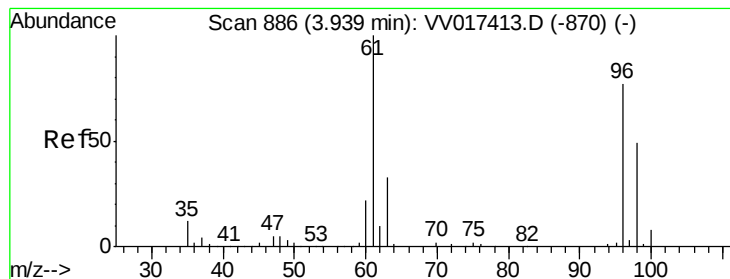


Abundance Ion 63.00 (62.70 to 63.70): VV017417.D (-660) (-)

Ion 65.00 (64.70 to 65.70): VV017417.D (-660) (-)

Ion 83.00 (82.70 to 83.70): VV017417.D (-660) (-)





#20

cis-1,2-Dichloroethene

Concen: 76.559 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV017417.D

Acq: 09 Jul 2020 23:00

Instrument :

MSVOA_V

ClientSampled :

F4A24

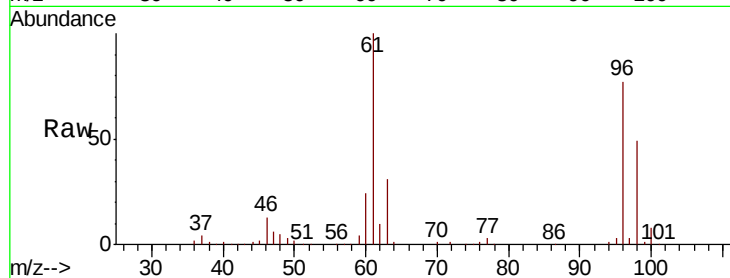
Tot Ion: 96 Resp: 144358

Ion Ratio Lower Upper

96 100

61 129.9 88.9 165.1

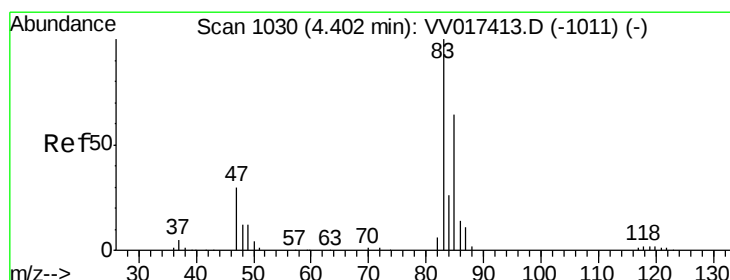
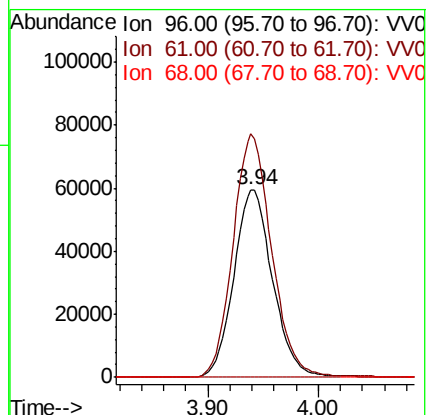
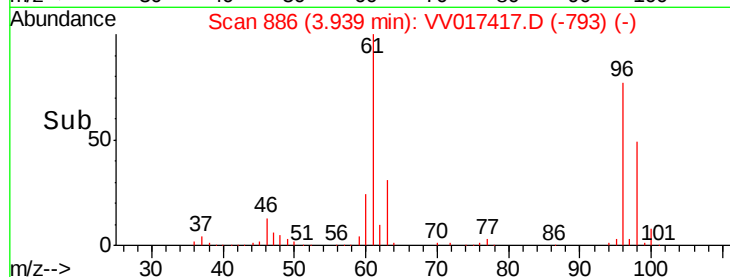
68 0.0 0.0 0.0



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: 1.105 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV017417.D

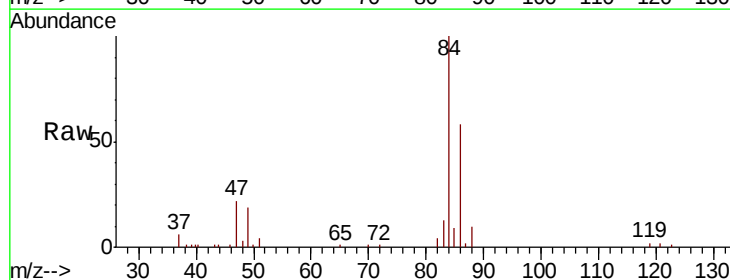
Acq: 09 Jul 2020 23:00

Tgt Ion: 83 Resp: 4012

Ion Ratio Lower Upper

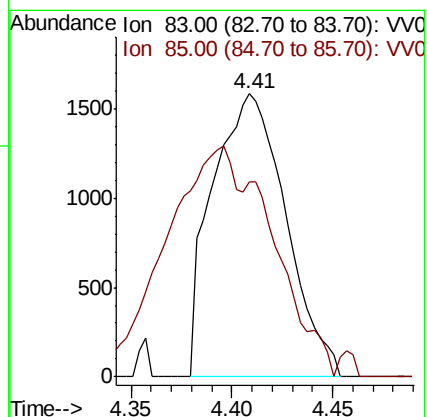
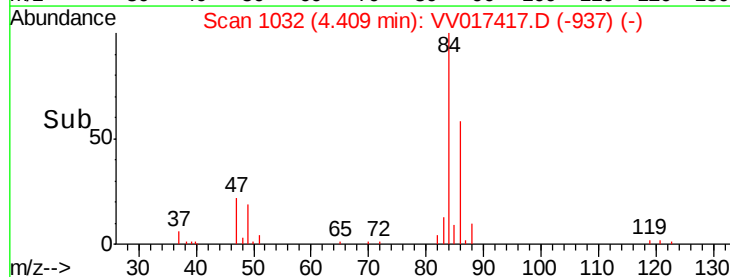
83 100

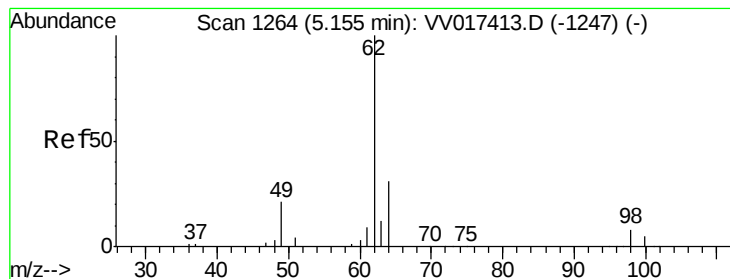
85 68.7 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.780 ug/L

RT: 5.17 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VV017417.D

Acq: 09 Jul 2020 23:00

Instrument :

MSVOA_V

ClientSampled :

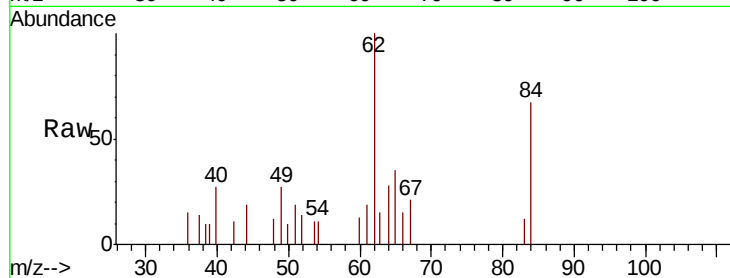
F4A24

Tot Ion: 62 Resp: 2490

Ion Ratio Lower Upper

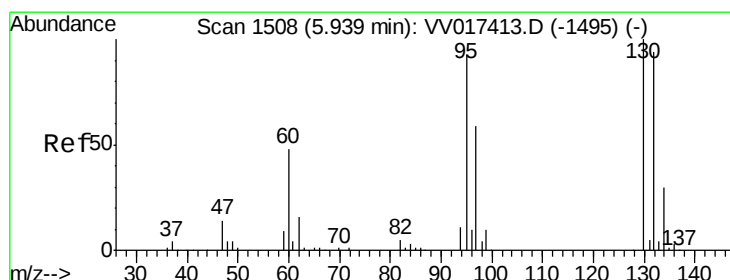
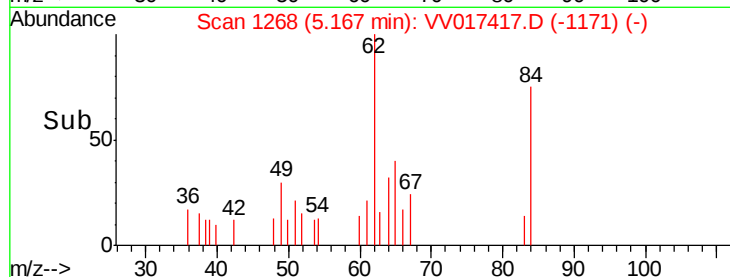
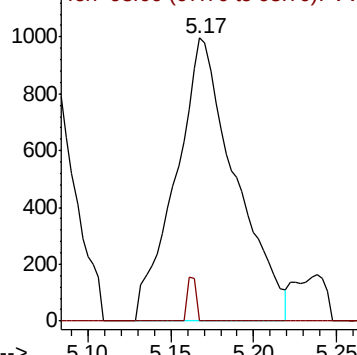
62 100

98 0.0 6.4 9.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#34

Trichloroethene

Concen: 4.192 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV017417.D

Acq: 09 Jul 2020 23:00

Tgt Ion: 95 Resp: 8412

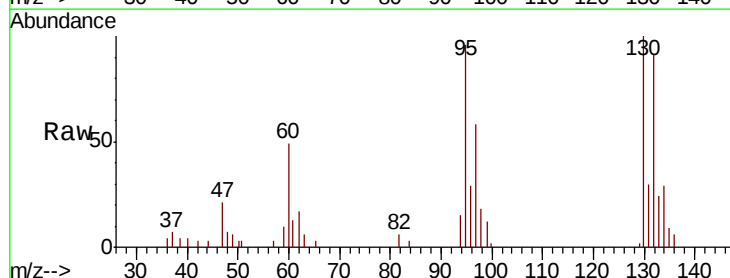
Ion Ratio Lower Upper

95 100

97 60.4 45.6 84.6

132 94.8 74.1 137.5

130 103.7 75.5 140.3

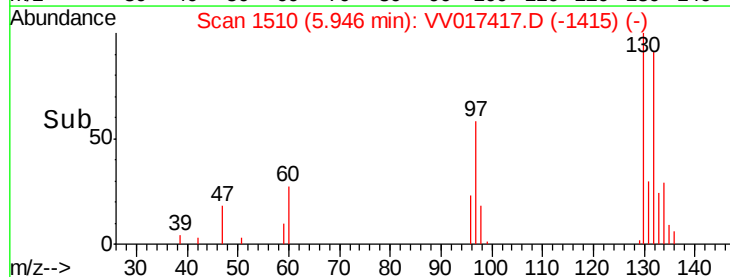
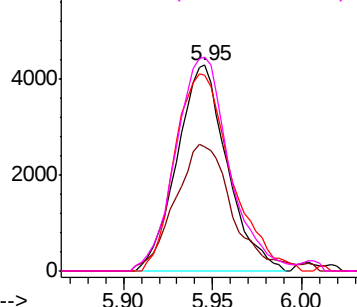


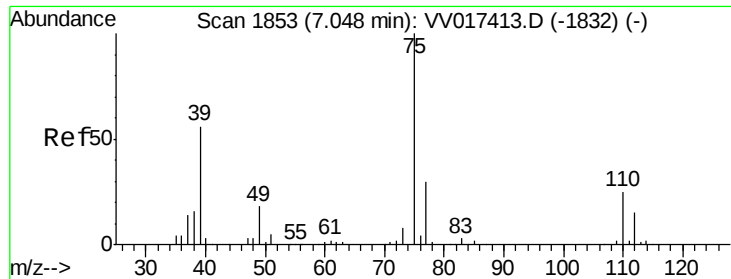
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

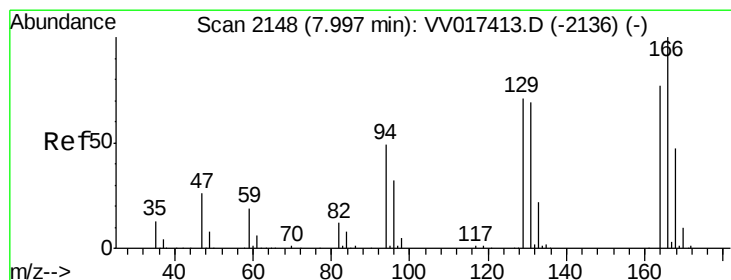
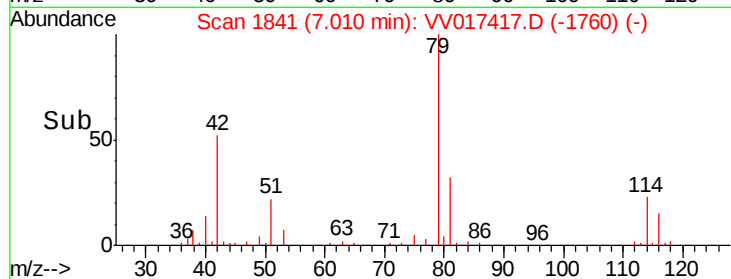
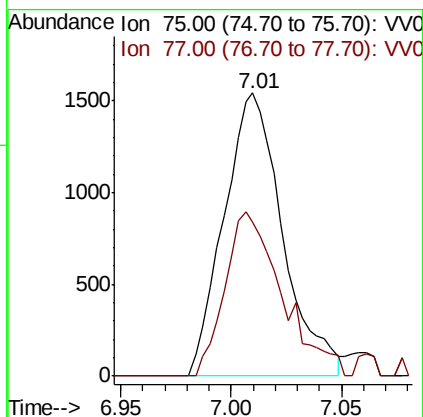
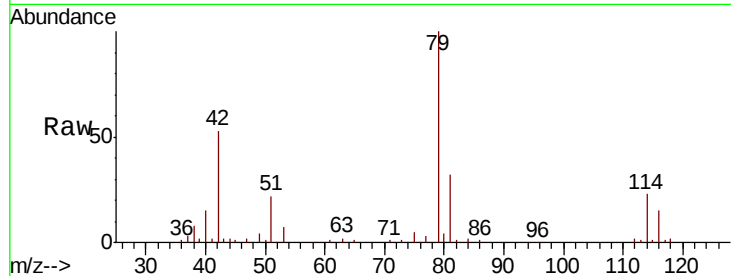




#39
 cis-1,3-Dichloropropene
 Concen: 1.011 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017417.D
 Acq: 09 Jul 2020 23:00

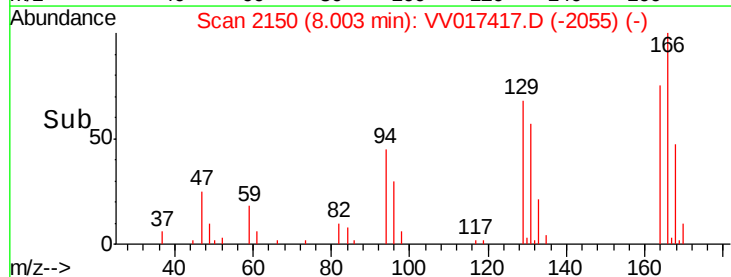
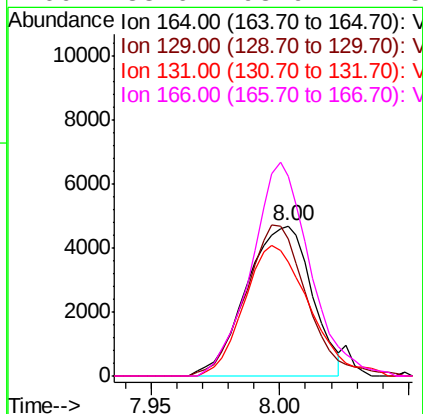
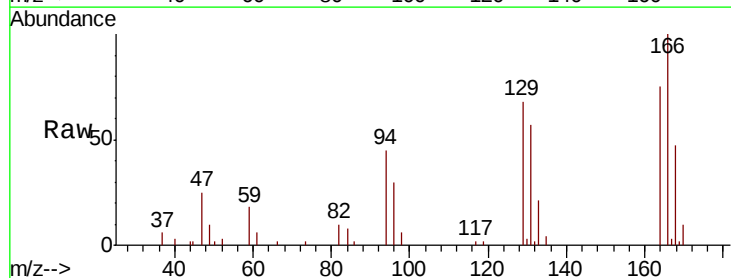
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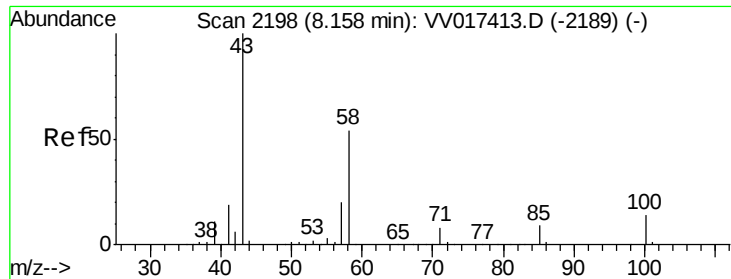
Tot Ion: 75 Resp: 2848
 Ion Ratio Lower Upper
 75 100
 77 54.3 22.2 41.2#



#46
 Tetrachloroethene
 Concen: 4.937 ug/L
 RT: 8.00 min Scan# 2150
 Delta R.T. 0.01 min
 Lab File: VV017417.D
 Acq: 09 Jul 2020 23:00

Tgt Ion:164 Resp: 8319
 Ion Ratio Lower Upper
 164 100
 129 91.1 66.6 123.8
 131 75.7 65.5 121.7
 166 133.6 93.9 174.5





#48

2-Hexanone

Concen: 2.345 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV017417.D

Acq: 09 Jul 2020 23:00

Instrument :
MSVOA_V
ClientSampleId :
F4A24

Tot Ion: 43 Resp: 4340

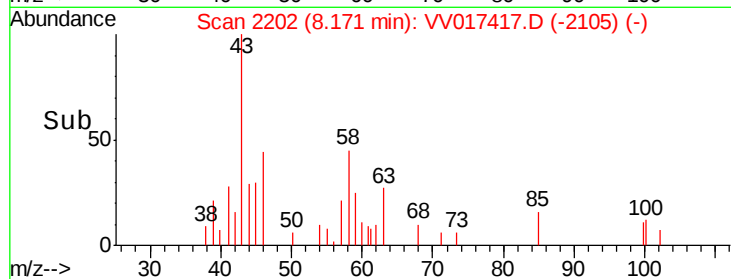
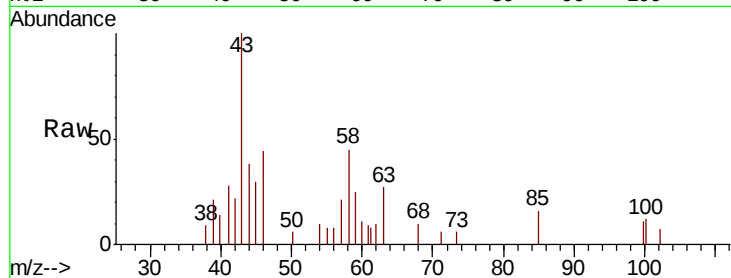
Ion Ratio Lower Upper

43 100

58 5.0 42.6 64.0#

57 3.9 16.2 24.4#

100 3.1 10.9 16.3#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

