

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022420\
 Data File : VV014701.D
 Acq On : 24 Feb 2020 15:53
 Operator : SY/MD
 Sample : L1608-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AR7

Quant Time: Feb 25 06:40:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 25 06:37:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	210338	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	198123	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	96003	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24895	30.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	60.60%
7) Chloroethane-d5	1.59	69	22062	37.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.12%
11) 1,1-Dichloroethene-d2	2.13	63	44702	29.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.38%#
21) 2-Butanone-d5	3.96	46	72785	95.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.32%
24) Chloroform-d	4.40	84	111778	41.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.12%
26) 1,2-Dichloroethane-d4	5.08	65	80162	46.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.24%
32) Benzene-d6	5.10	84	217911	41.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.10%
36) 1,2-Dichloropropane-d6	6.11	67	65288	42.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.40%
41) Toluene-d8	7.36	98	202217	40.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.08%
43) trans-1,3-Dichloropropene-	7.66	79	36585	42.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.42%
47) 2-Hexanone-d5	8.14	63	54323	88.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.64%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	96842	45.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.42%
64) 1,2-Dichlorobenzene-d4	11.67	152	85266	45.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.78%

Target Compounds

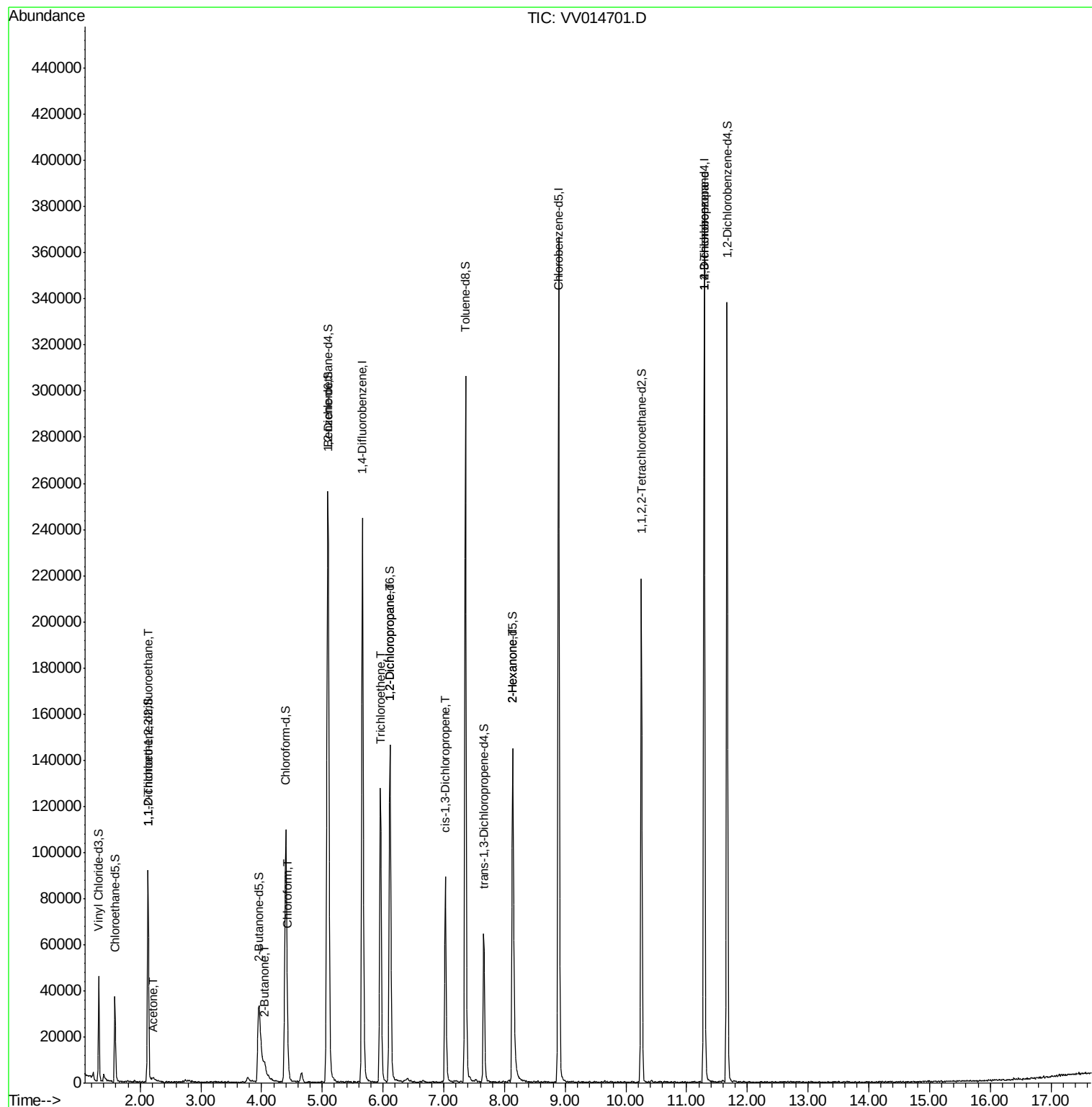
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	638	0.896	ug/L #	39
13) Acetone	2.22	43	1092	1.611	ug/L	49
22) 2-Butanone	4.05	43	7237	8.429	ug/L	97
25) Chloroform	4.43	83	5504	2.111	ug/L	91
34) Trichloroethene	5.96	95	43819	29.461	ug/L	99
37) 1,2-Dichloropropane	6.11	63	8314	6.653	ug/L #	86
39) cis-1,3-Dichloropropene	7.02	75	2587	1.159	ug/L #	74
48) 2-Hexanone	8.14	43	6390	5.263	ug/L #	78
59) 1,2,3-Trichloropropane	11.29	75	10081	5.962	ug/L #	80

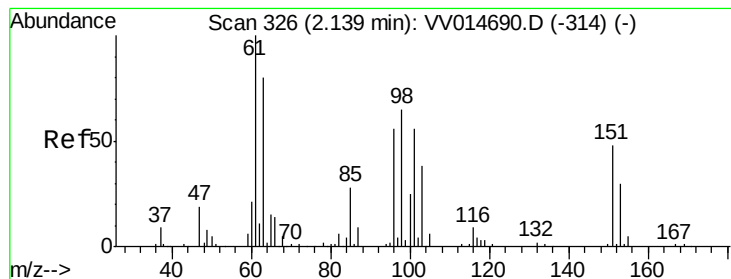
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.896 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014701.D

Acq: 24 Feb 2020 15:53

Instrument :

MSVOA_V

ClientSampleId :

C0AR7

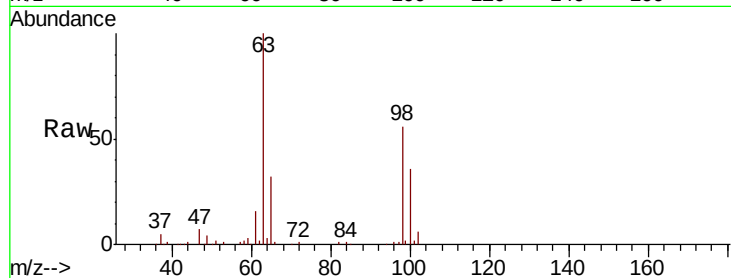
Tot Ion:101 Resp: 638

Ion Ratio Lower Upper

101 100

85 12.5 37.3 55.9#

151 22.1 64.6 96.8#

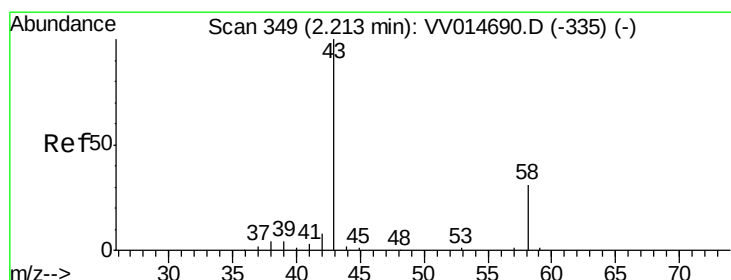
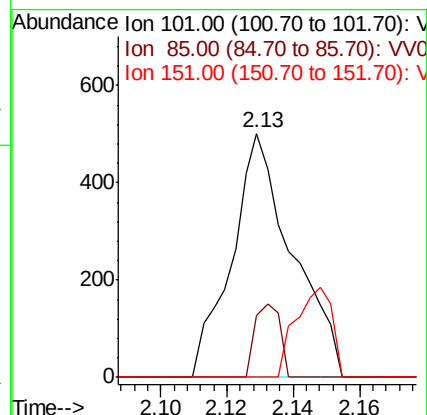
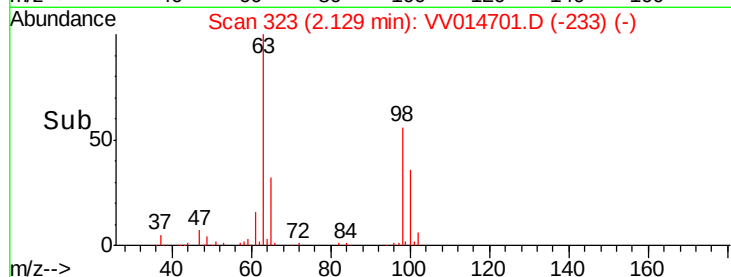


Abundance Ion 101.00 (100.70 to 101.70): VV014701.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV014701.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV014701.D (-233) (-)

Time-->



#13

Acetone

Concen: 1.611 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV014701.D

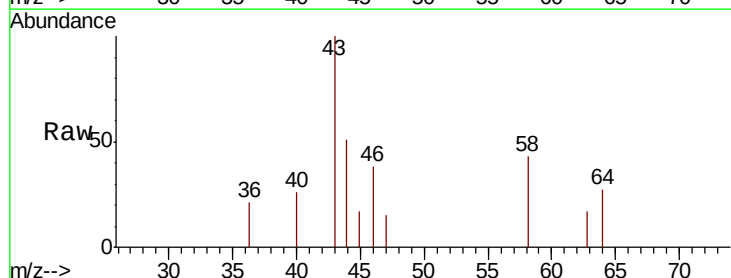
Acq: 24 Feb 2020 15:53

Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

43 100

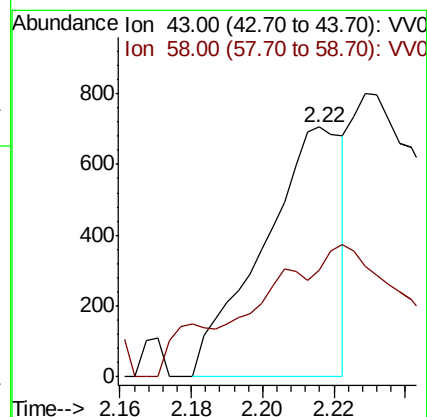
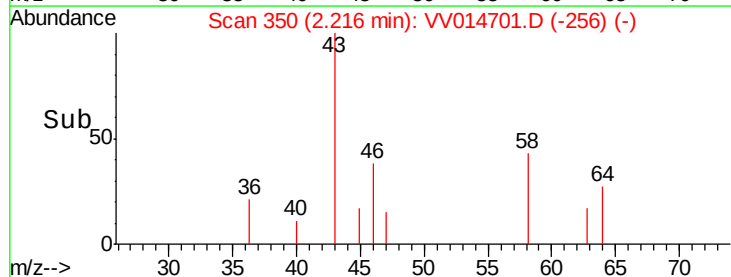
58 62.3 0.0 66.8

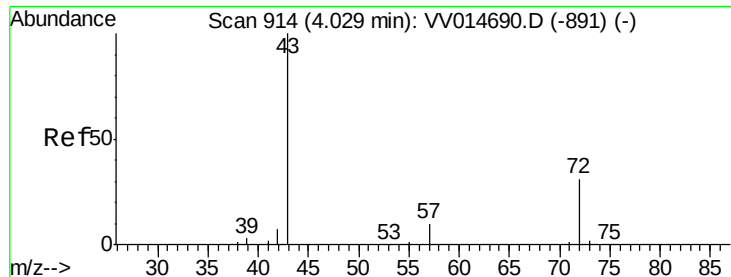


Abundance Ion 43.00 (42.70 to 43.70): VV014701.D (-256) (-)

Ion 58.00 (57.70 to 58.70): VV014701.D (-256) (-)

Time-->





#22

2-Butanone

Concen: 8.429 ug/L

RT: 4.05 min Scan# 921

Delta R.T. 0.02 min

Lab File: VV014701.D

Acq: 24 Feb 2020 15:53

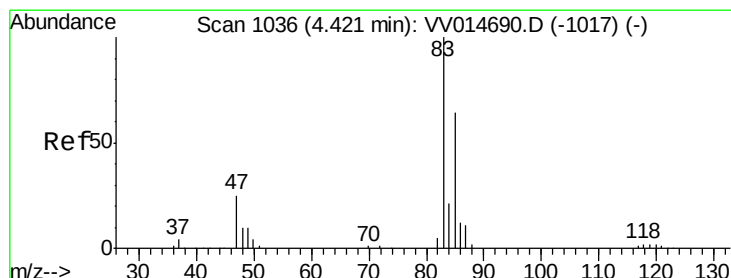
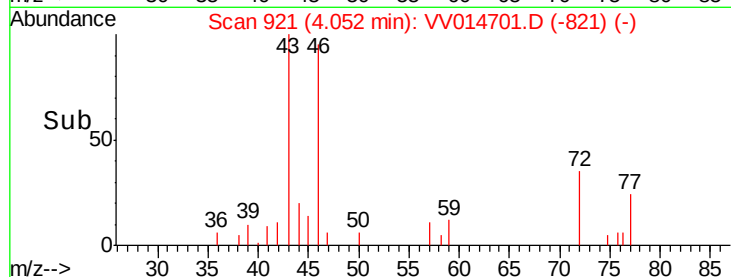
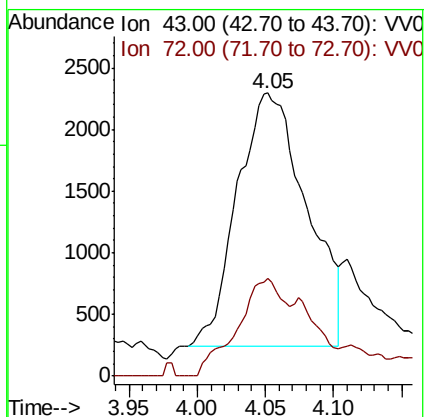
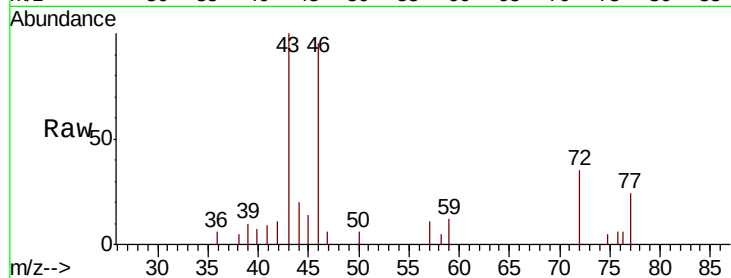
Instrument :
MSVOA_V
ClientSampleId :
C0AR7

Tot Ion: 43 Resp: 7237

Ion Ratio Lower Upper

43 100

72 26.4 14.1 42.3



#25

Chloroform

Concen: 2.111 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV014701.D

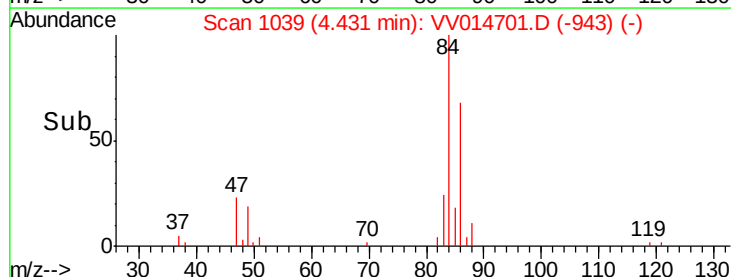
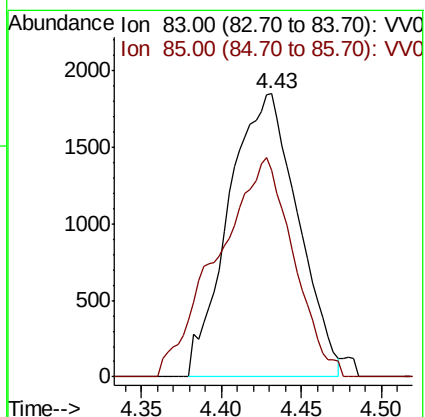
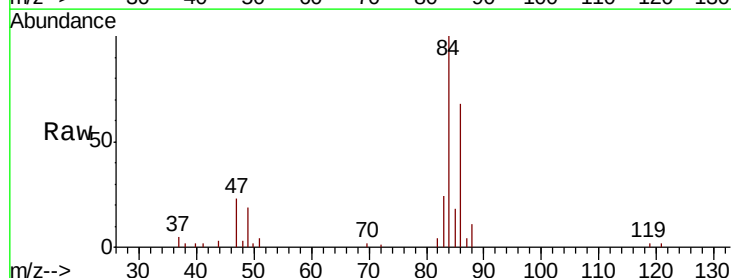
Acq: 24 Feb 2020 15:53

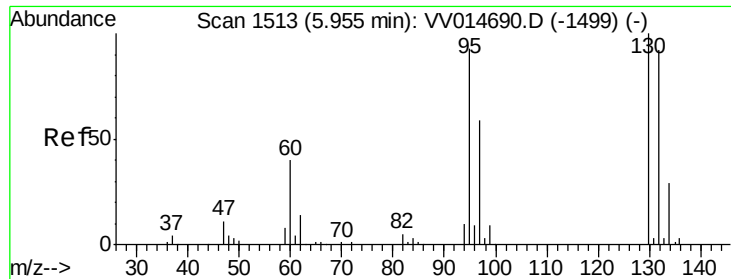
Tgt Ion: 83 Resp: 5504

Ion Ratio Lower Upper

83 100

85 72.8 46.1 85.7

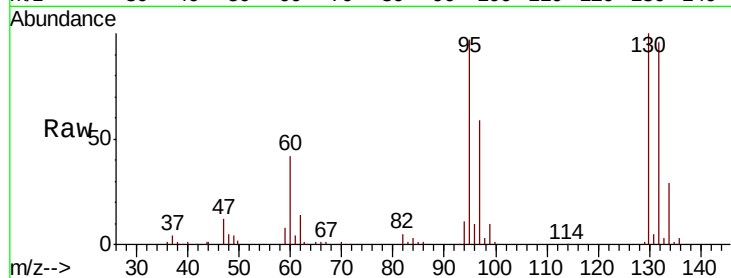




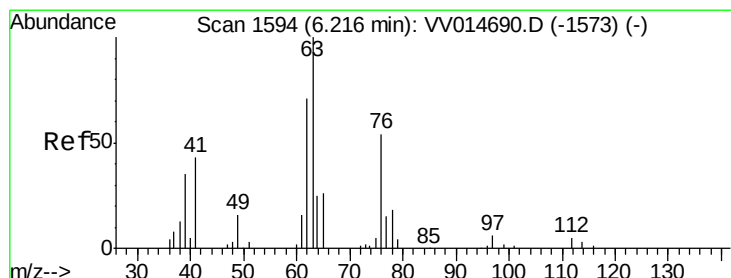
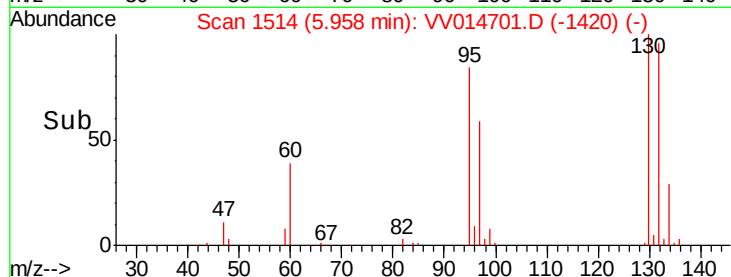
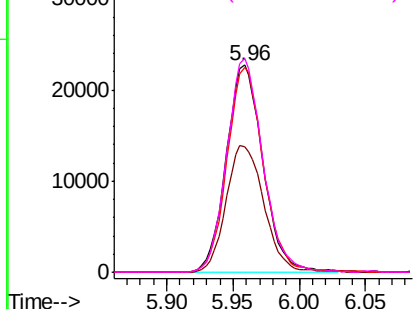
#34
 Trichloroethene
 Concen: 29.461 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV014701.D
 Acq: 24 Feb 2020 15:53

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AR7

Tot Ion: 95 Resp: 43819
 Ion Ratio Lower Upper
 95 100
 97 60.7 44.3 82.3
 132 99.1 69.7 129.4
 130 103.0 71.3 132.5

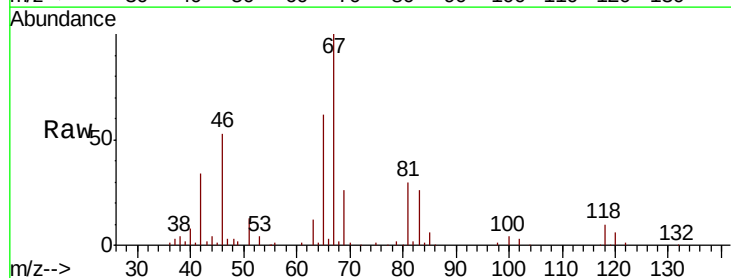


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

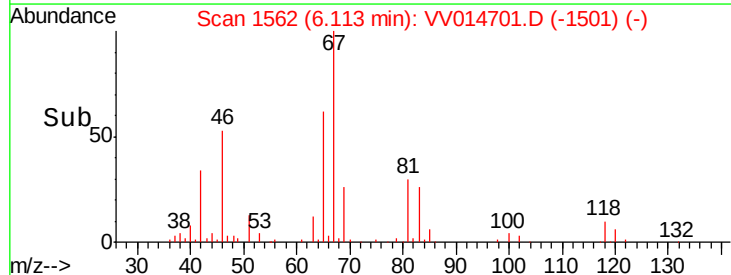
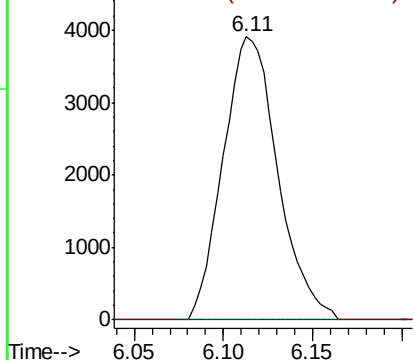


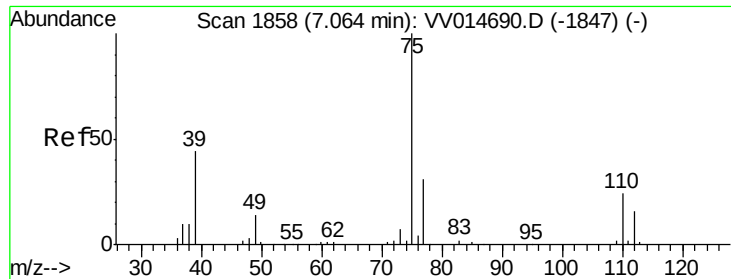
#37
 1,2-Dichloropropane
 Concen: 6.653 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.10 min
 Lab File: VV014701.D
 Acq: 24 Feb 2020 15:53

Tgt Ion: 63 Resp: 8314
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 112.00 (111.70 to 112.70): VV0





#39

cis-1,3-Dichloropropene

Concen: 1.159 ug/L

RT: 7.02 min Scan# 1845

Delta R.T. -0.04 min

Lab File: VV014701.D

Acq: 24 Feb 2020 15:53

Instrument :

MSVOA_V

ClientSampleId :

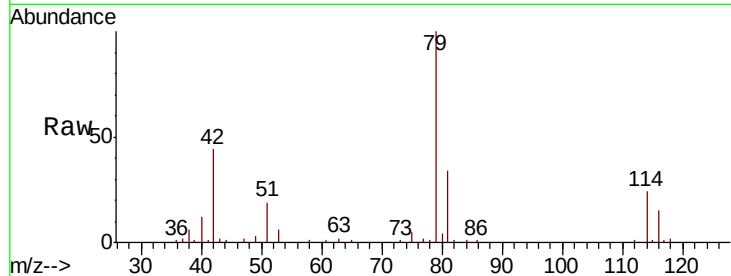
C0AR7

Tot Ion: 75 Resp: 2587

Ion Ratio Lower Upper

75 100

77 46.6 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VV014690.D (-1847) (-)

Ion 77.00 (76.70 to 77.70): VV014690.D (-1847) (-)

7.02

1500

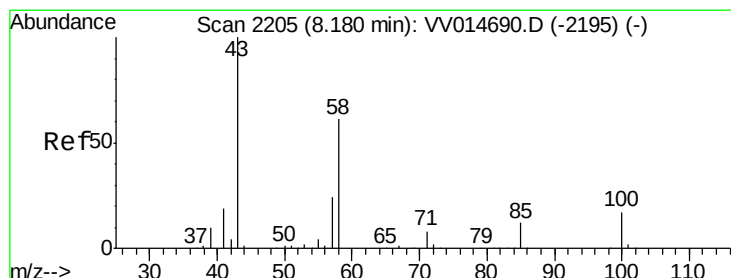
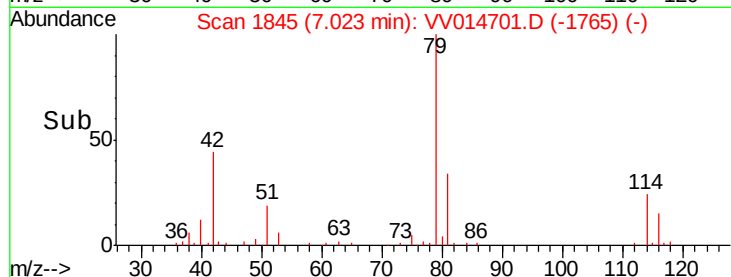
1000

500

0

7.00 7.05

Time-->



#48

2-Hexanone

Concen: 5.263 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.04 min

Lab File: VV014701.D

Acq: 24 Feb 2020 15:53

Tgt Ion: 43 Resp: 6390

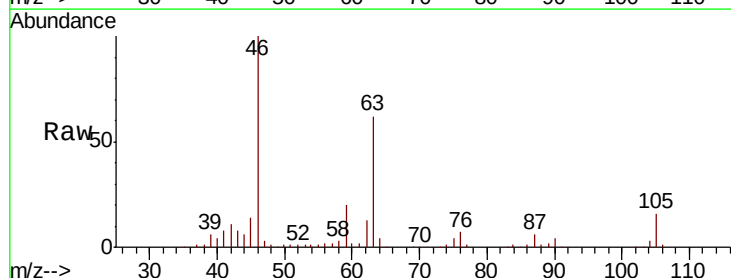
Ion Ratio Lower Upper

43 100

58 43.2 49.4 74.2#

57 25.2 17.8 26.8

100 2.6 13.1 19.7#



Abundance Ion 43.00 (42.70 to 43.70): VV014690.D (-2195) (-)

Ion 58.00 (57.70 to 58.70): VV014690.D (-2195) (-)

Ion 57.00 (56.70 to 57.70): VV014690.D (-2195) (-)

Ion 100.00 (99.70 to 100.70): VV014690.D (-2195) (-)

8.14

5000

4000

3000

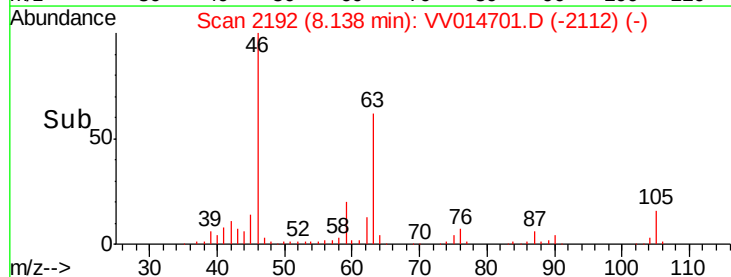
2000

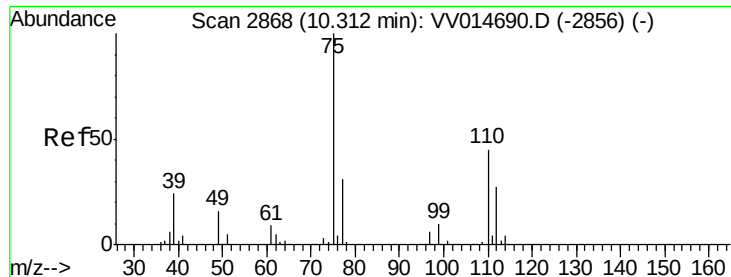
1000

0

8.10 8.15

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.962 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. 0.98 min

Lab File: VV014701.D

Acq: 24 Feb 2020 15:53

Instrument :

MSVOA_V

ClientSampleId :

C0AR7

Tot Ion: 75 Resp: 10081

Ion Ratio Lower Upper

75 100

77 43.0 25.7 38.5#

