

Data File : VV014635.D
Acq On : 20 Feb 2020 19:44
Operator : SY/MD
Sample : L1607-13
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AP9

Quant Time: Feb 21 03:36:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 21 03:31:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	264649	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	246760	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	118723	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50817	50.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.00%
7) Chloroethane-d5	1.58	69	38614	54.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.04%
11) 1,1-Dichloroethene-d2	2.13	63	72887	42.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.96%
21) 2-Butanone-d5	3.94	46	91937	109.09	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.09%
24) Chloroform-d	4.40	84	146058	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.56%
26) 1,2-Dichloroethane-d4	5.08	65	101017	54.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.88%
32) Benzene-d6	5.10	84	316857	53.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.38%
36) 1,2-Dichloropropane-d6	6.11	67	93997	52.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.76%
41) Toluene-d8	7.36	98	294964	51.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.90%
43) trans-1,3-Dichloropropene-	7.66	79	49360	50.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.72%
47) 2-Hexanone-d5	8.13	63	75251	105.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.95%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	124697	51.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.38%
64) 1,2-Dichlorobenzene-d4	11.67	152	114502	54.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.18%

Target Compounds

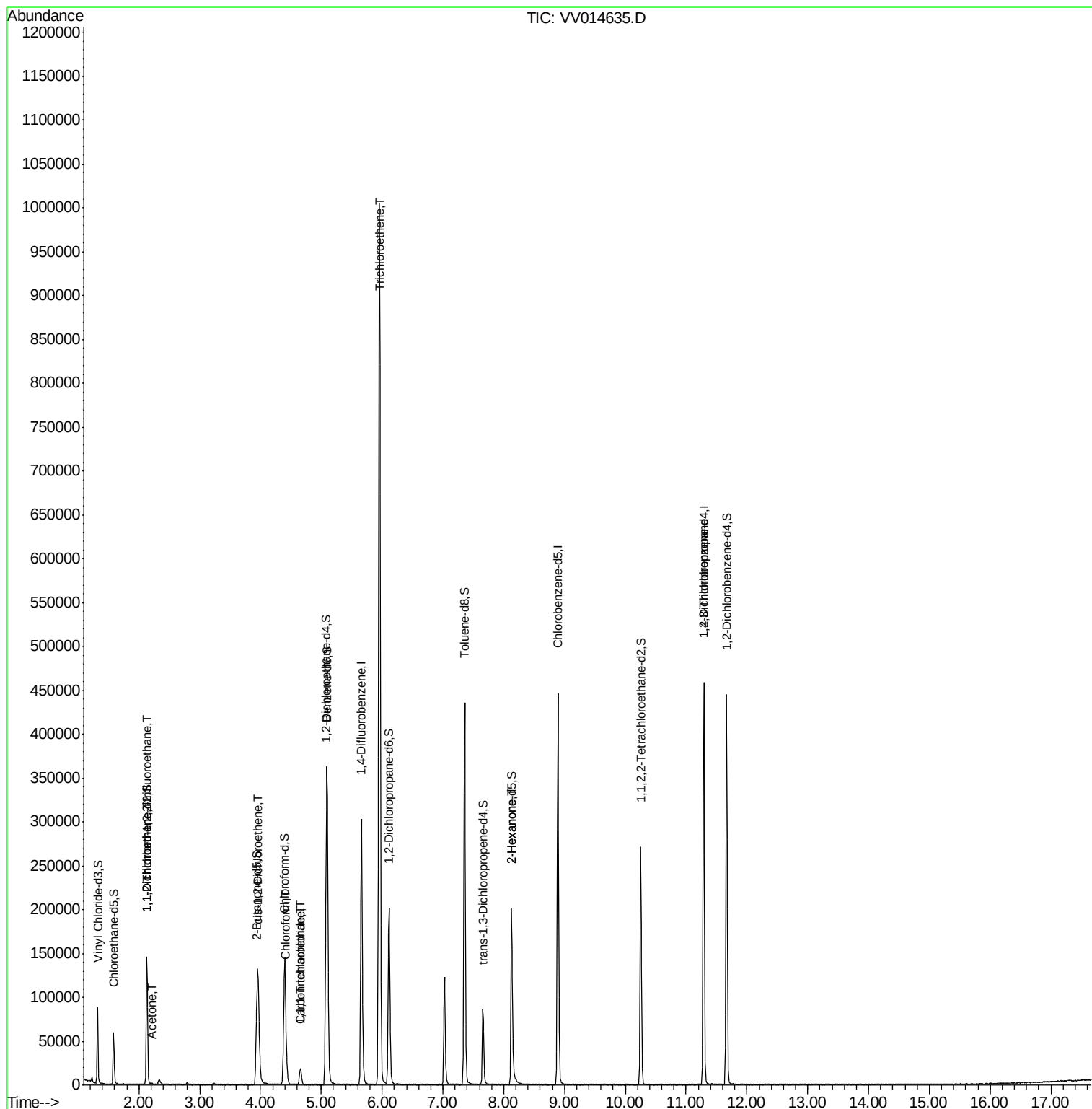
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	806	0.923 ug/L #	25
12) 1,1-Dichloroethene	2.14	96	2583	3.182 ug/L #	1
13) Acetone	2.20	43	742	1.026 ug/L	58
20) cis-1,2-Dichloroethene	3.96	96	61192	33.058 ug/L	96
25) Chloroform	4.42	83	12444	4.006 ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	14059	5.237 ug/L	98
31) Carbon tetrachloride	4.66	117	1891	0.780 ug/L #	64
34) Trichloroethene	5.96	95	349489	199.902 ug/L	98
48) 2-Hexanone	8.13	43	8814	5.721 ug/L #	71
59) 1,2,3-Trichloropropane	11.29	75	12984	6.307 ug/L	89

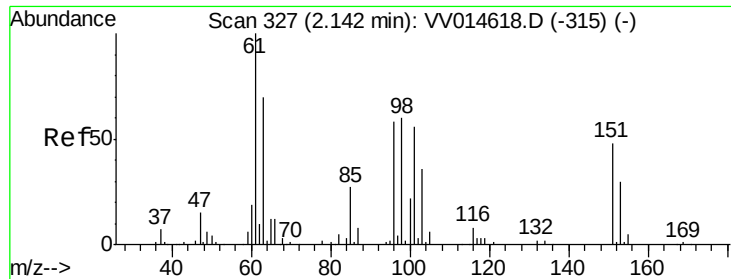
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.923 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014635.D

Acq: 20 Feb 2020 19:44

Instrument :

MSVOA_V

ClientSampleId :

C0AP9

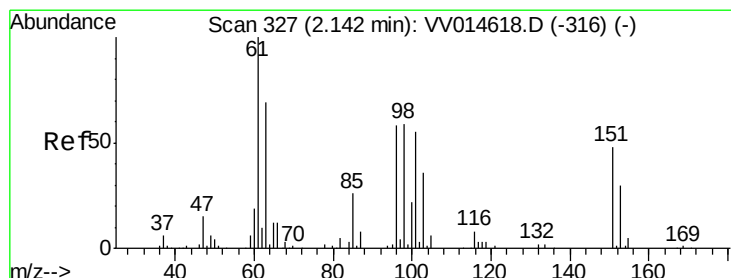
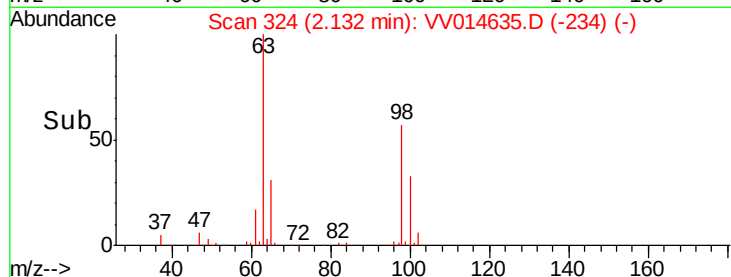
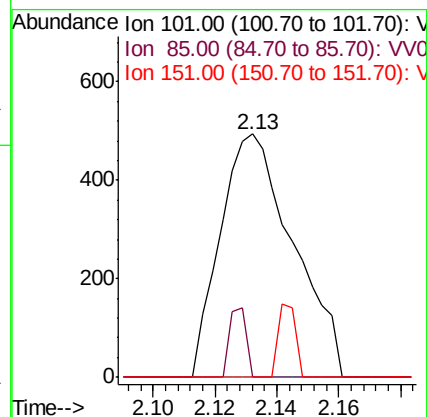
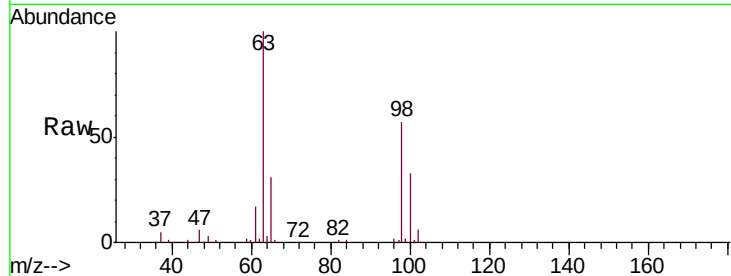
Tgt Ion: 101 Resp: 806

Ion Ratio Lower Upper

101 100

85 6.6 35.4 53.0#

151 6.9 65.4 98.2#



#12

1,1-Dichloroethene

Concen: 3.182 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014635.D

Acq: 20 Feb 2020 19:44

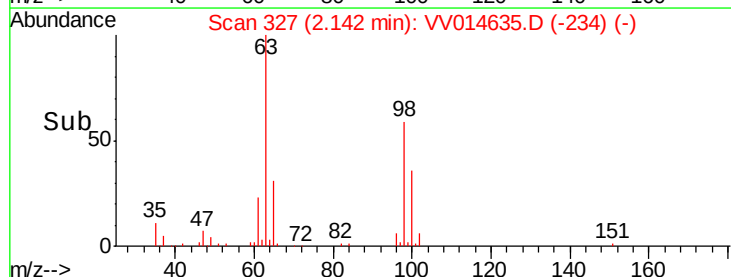
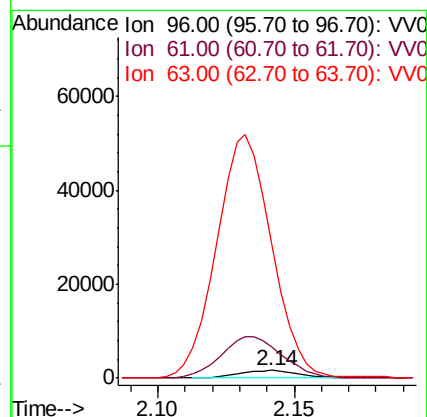
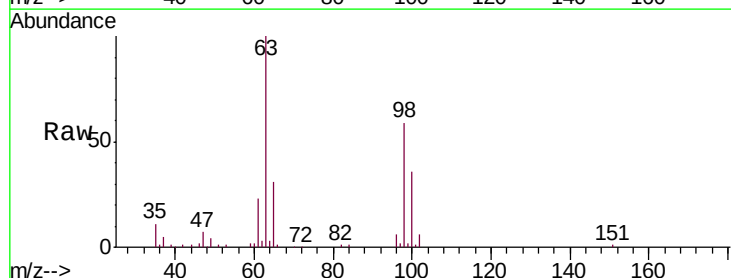
Tgt Ion: 96 Resp: 2583

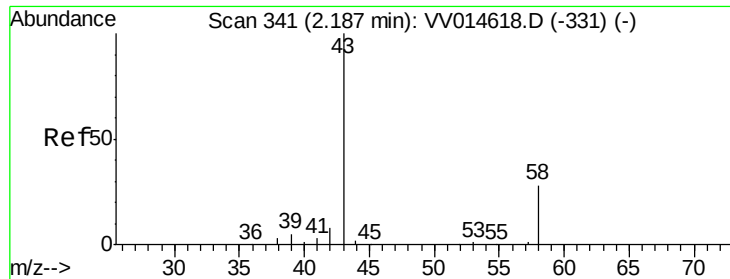
Ion Ratio Lower Upper

96 100

61 402.8 124.2 230.6#

63 1718.9 89.2 165.8#





#13

Acetone

Concen: 1.026 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV014635.D

Acq: 20 Feb 2020 19:44

Instrument :

MSVOA_V

ClientSampleId :

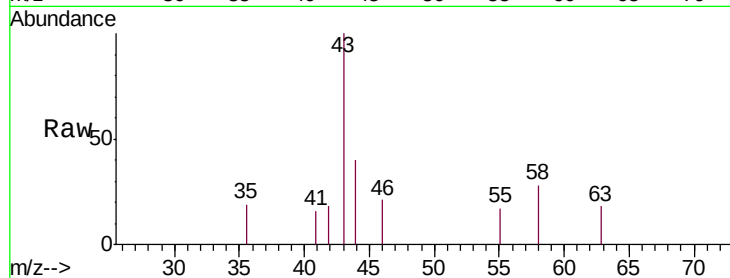
C0AP9

Tgt Ion: 43 Resp: 742

Ion Ratio Lower Upper

43 100

58 51.8 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV014618.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV014618.D (-331) (-)

800

600

400

200

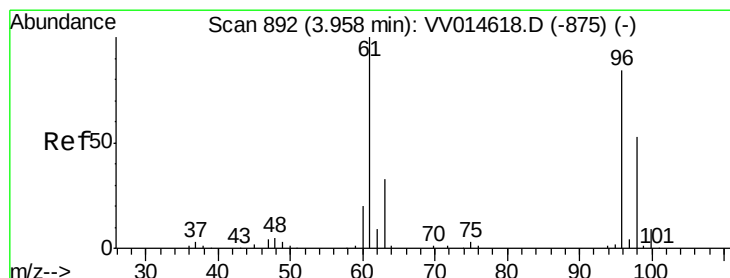
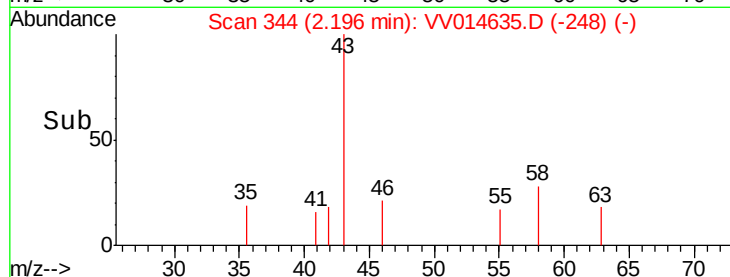
0

2.16

2.18

2.20

Time-->



#20

cis-1,2-Dichloroethene

Concen: 33.058 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014635.D

Acq: 20 Feb 2020 19:44

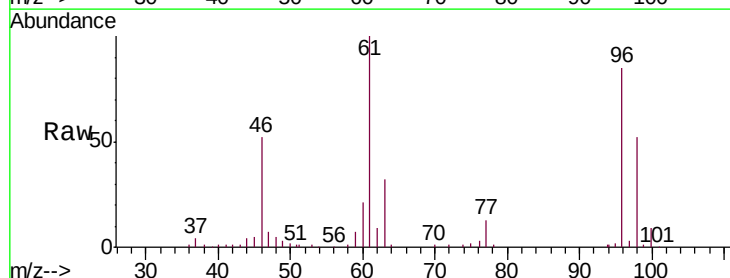
Tgt Ion: 96 Resp: 61192

Ion Ratio Lower Upper

96 100

61 117.8 85.9 159.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV014618.D (-875) (-)

Ion 61.00 (60.70 to 61.70): VV014618.D (-875) (-)

Ion 68.00 (67.70 to 68.70): VV014618.D (-875) (-)

40000

30000

20000

10000

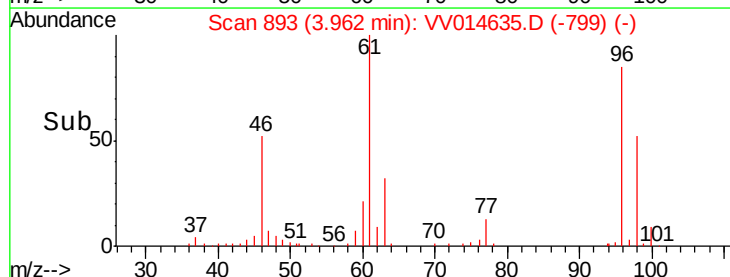
0

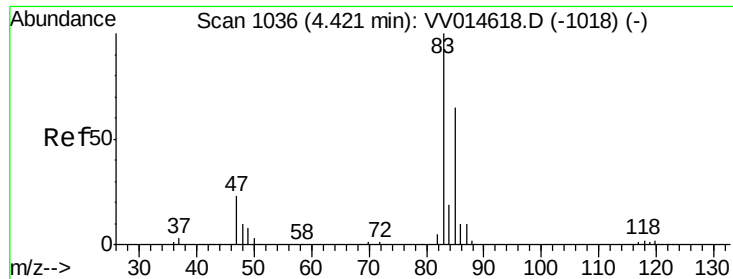
3.90

4.00

4.10

Time-->

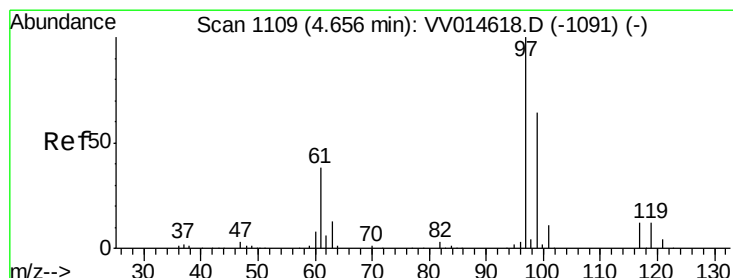
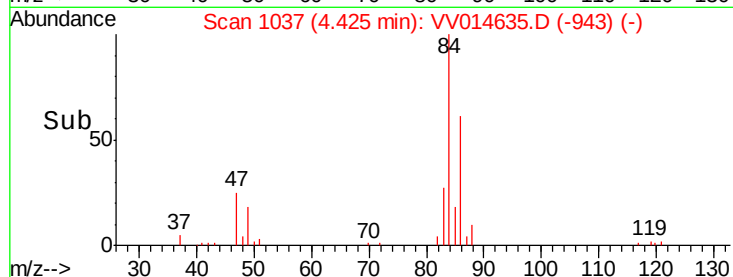
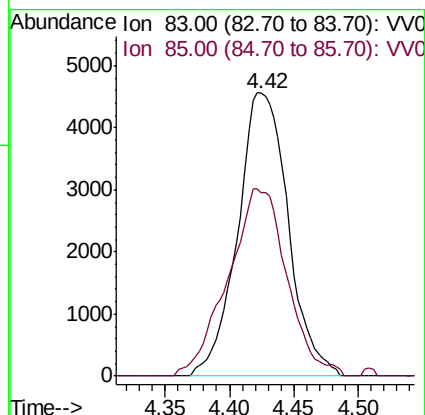
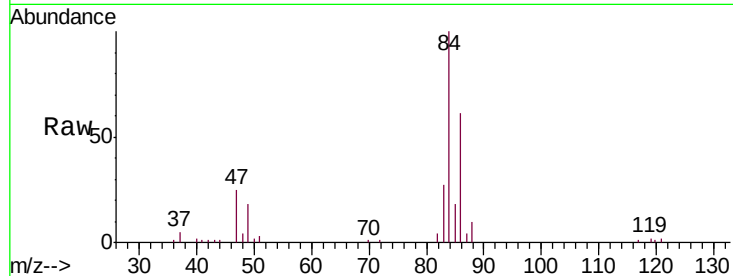




#25
Chloroform
Concen: 4.006 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014635.D
Acq: 20 Feb 2020 19:44

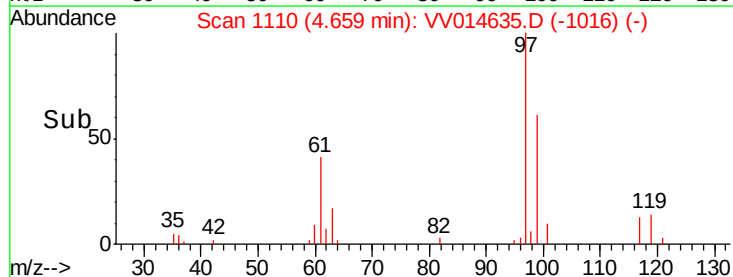
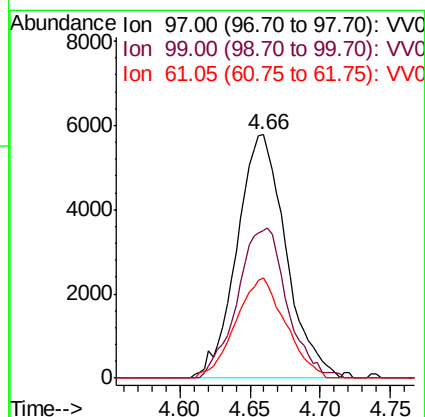
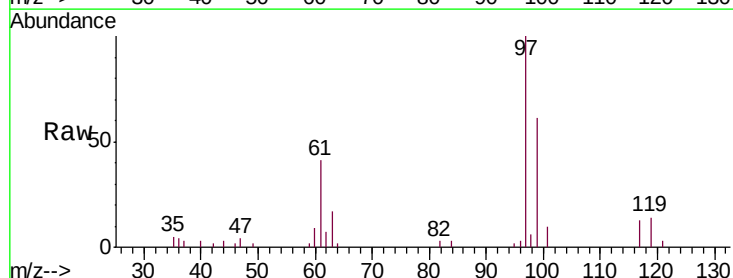
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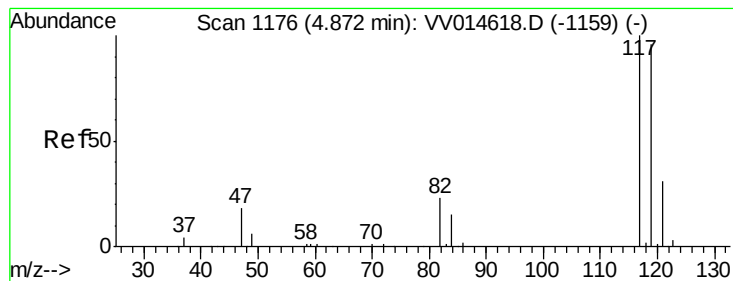
Tgt Ion: 83 Resp: 12444
Ion Ratio Lower Upper
83 100
85 64.7 45.0 83.6



#30
1,1,1-Trichloroethane
Concen: 5.237 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV014635.D
Acq: 20 Feb 2020 19:44

Tgt Ion: 97 Resp: 14059
Ion Ratio Lower Upper
97 100
99 61.9 51.2 76.8
61 41.6 32.4 48.6





#31

Carbon tetrachloride

Concen: 0.780 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.21 min

Lab File: VV014635.D

Acq: 20 Feb 2020 19:44

Instrument :

MSVOA_V

ClientSampleId :

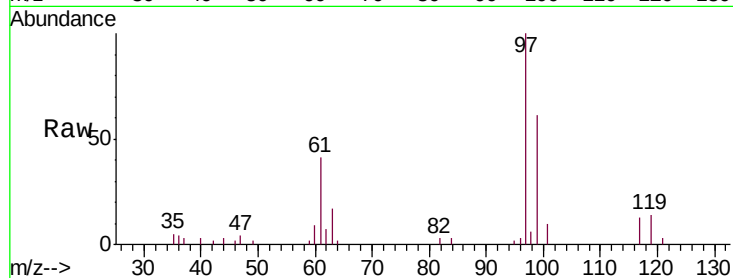
C0AP9

Tgt Ion:117 Resp: 1891

Ion Ratio Lower Upper

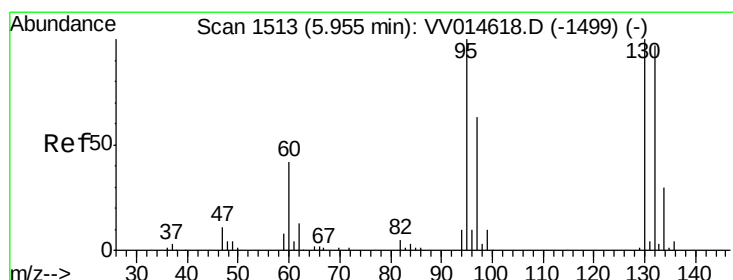
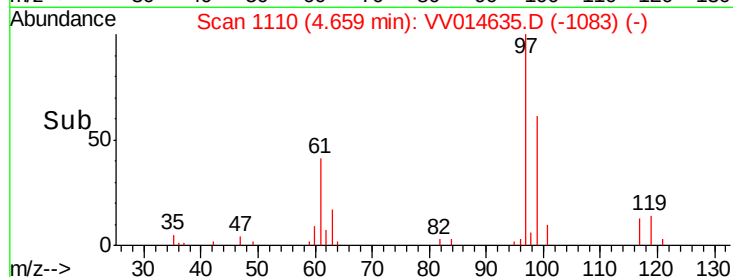
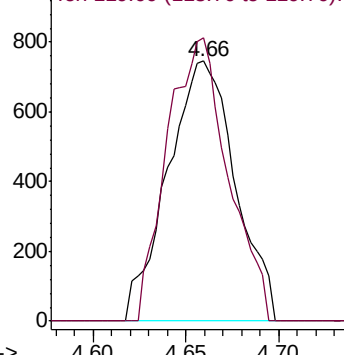
117 100

119 61.8 77.6 116.4#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 199.902 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014635.D

Acq: 20 Feb 2020 19:44

Tgt Ion: 95 Resp: 349489

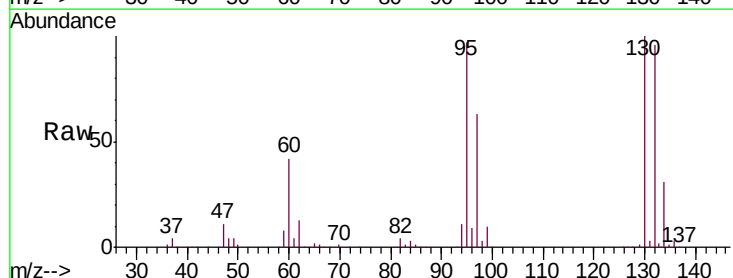
Ion Ratio Lower Upper

95 100

97 65.2 45.3 84.1

132 98.5 69.6 129.2

130 103.0 74.0 137.4

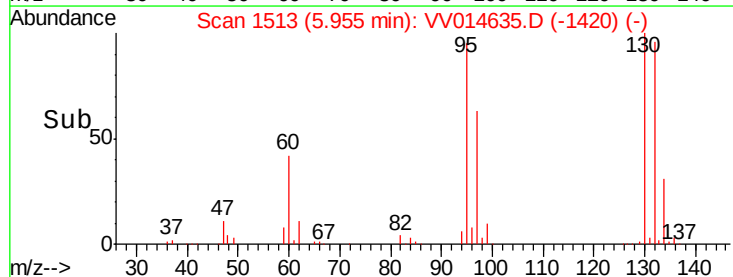
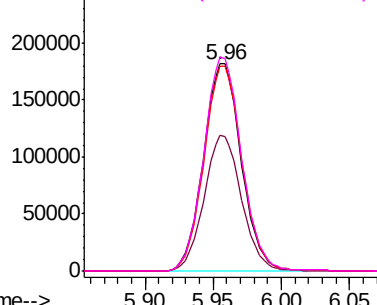


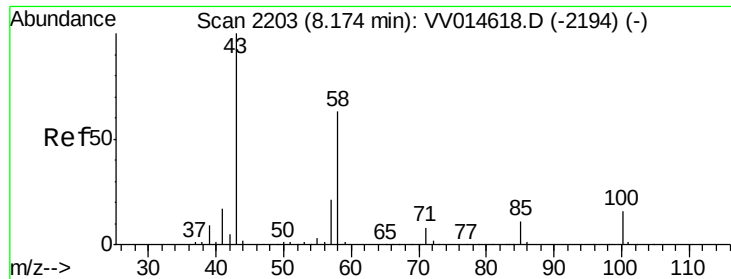
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

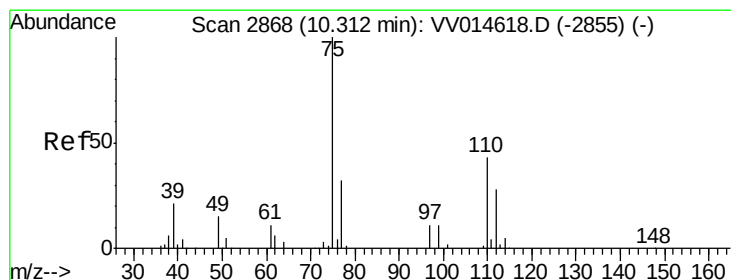
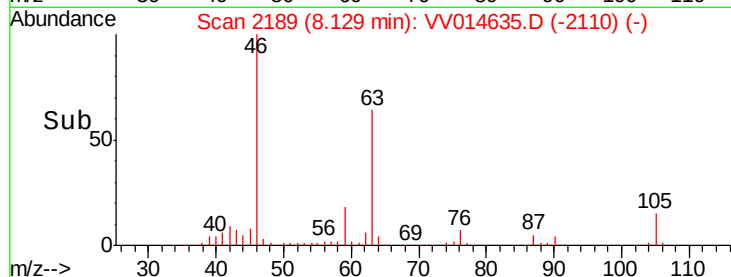
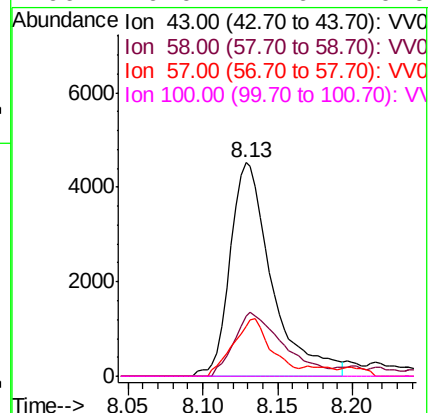
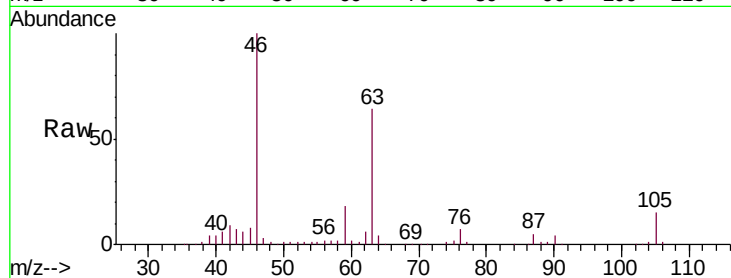




#48
2-Hexanone
Concen: 5.721 ug/L
RT: 8.13 min Scan# 2189
Delta R.T. -0.04 min
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Acq: 20 Feb 2020 19:44

Instrument :
MSVOA_V
ClientSampleId :
C0AP9

Tgt Ion: 43 Resp: 8814
Ion Ratio Lower Upper
43 100
58 34.9 50.4 75.6#
57 24.3 17.8 26.6
100 0.0 12.6 19.0#



#59
1,2,3-Trichloropropane
Concen: 6.307 ug/L
RT: 11.29 min Scan# 3171
Delta R.T. 0.97 min
Lab File: VV014635.D
Acq: 20 Feb 2020 19:44

Tgt Ion: 75 Resp: 12984
Ion Ratio Lower Upper
75 100
77 38.8 25.9 38.9

