

Data File : VV010885.D
Acq On : 15 May 2019 03:51
Operator : SY/MD
Sample : K2798-15
Misc : 4.34G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB899

Quant Time: May 15 08:13:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 08:08:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	140986	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	141255	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	60132	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	34140	19.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.04%
7) Chloroethane-d5	1.55	69	29509	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.84%
10) 1,1-Dichloroethene-d2	2.11	63	53635	15.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.12%
20) 2-Butanone-d5	3.93	46	33880	59.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.90%
24) Chloroform-d	4.39	84	82951	20.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.52%
26) 1,2-Dichloroethane-d4	5.07	65	58815	25.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.68%
29) Benzene-d6	5.09	84	190947	24.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.68%
33) 1,2-Dichloropropane-d6	6.11	67	65719	26.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.40%
37) Toluene-d8	7.36	98	168067	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.48%
38) trans-1,3-Dichloropropene-	7.66	79	24159	22.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.80%
39) 2-Hexanone-d5	8.13	63	23932	50.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.26%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55804	24.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	61138	24.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.36%

Target Compounds

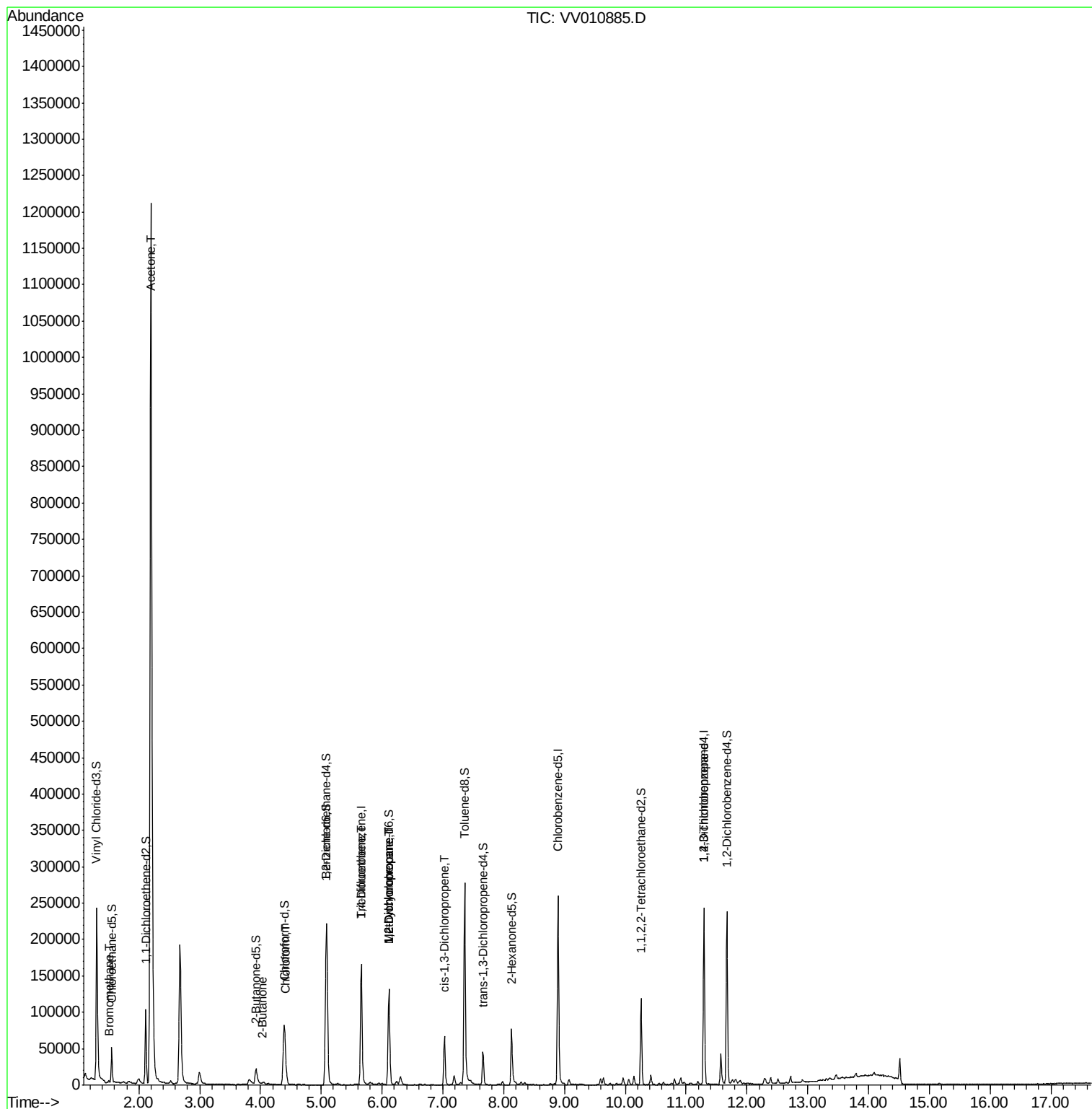
					Qvalue
6) Bromomethane	1.51	94	469	1.002 ug/L	86
13) Acetone	2.20	43	1722208	2991.978 ug/L	96
21) 2-Butanone	4.04	43	2429	3.269 ug/L	90
25) Chloroform	4.42	83	15023	3.696 ug/L	92
35) Trichloroethene	5.66	95	4335	2.032 ug/L #	5
36) Methylcyclohexane	6.11	83	14952	5.035 ug/L #	19
40) 1,2-Dichloropropane	6.11	63	7404	3.302 ug/L #	1
42) cis-1,3-Dichloropropene	7.03	75	1704	0.521 ug/L #	62
59) 1,2,3-Trichloropropane	11.29	75	7832	4.532 ug/L	89

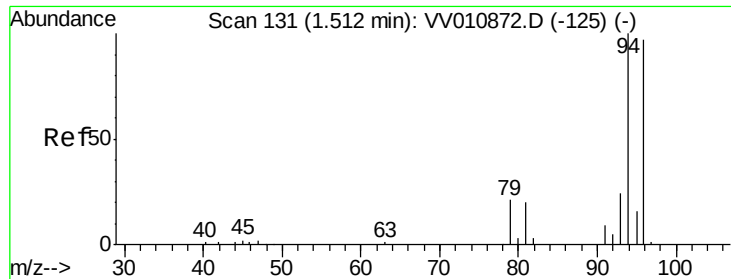
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 1.002 ug/L

RT: 1.51 min Scan# 129

Delta R.T. -0.01 min

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Acq: 15 May 2019 03:51

Instrument :

MSVOA_V

ClientSampled :

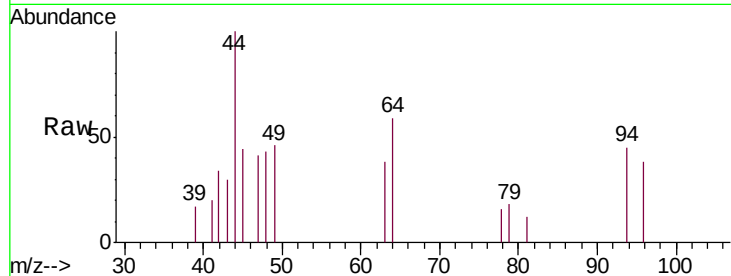
DB899

Tgt Ion: 94 Resp: 469

Ion Ratio Lower Upper

94 100

96 81.7 9.6 181.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.51

500

400

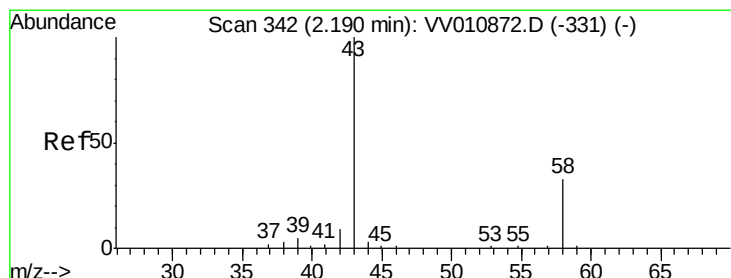
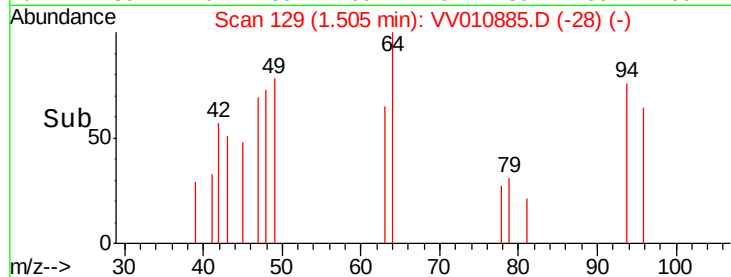
300

200

100

0

Time--> 1.48 1.50 1.52



#13

Acetone

Concen: 2991.978 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

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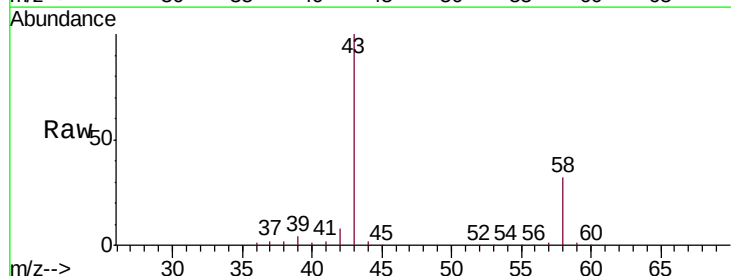
Acq: 15 May 2019 03:51

Tgt Ion: 43 Resp: 1722208

Ion Ratio Lower Upper

43 100

58 32.2 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.20

800000

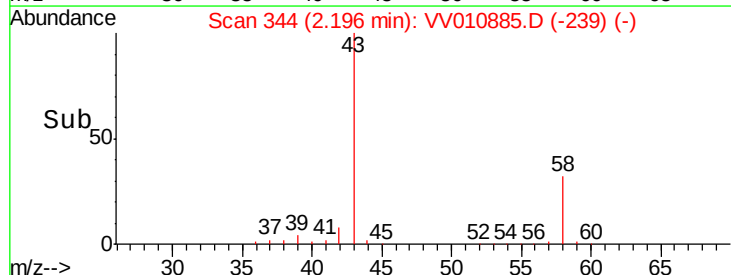
600000

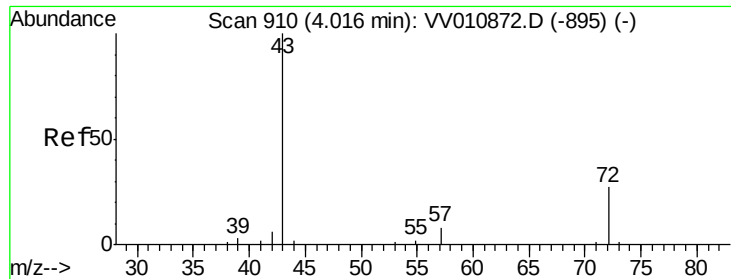
400000

200000

0

Time--> 2.10 2.20 2.30 2.40





#21

2-Butanone

Concen: 3.269 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.02 min

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Instrument :

MSVOA_V

ClientSampleId :

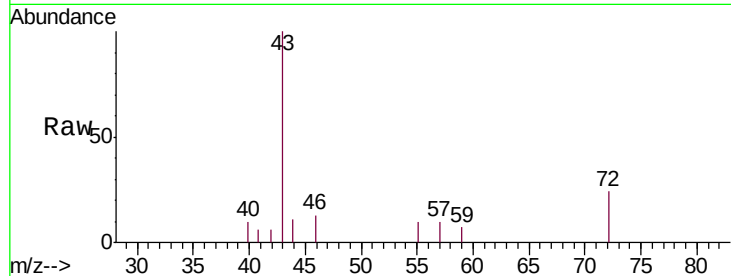
DB899

Tgt Ion: 43 Resp: 2429

Ion Ratio Lower Upper

43 100

72 32.8 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VV010872.D (-895) (-)

Ion 72.00 (71.70 to 72.70): VV010872.D (-895) (-)

2000

1500

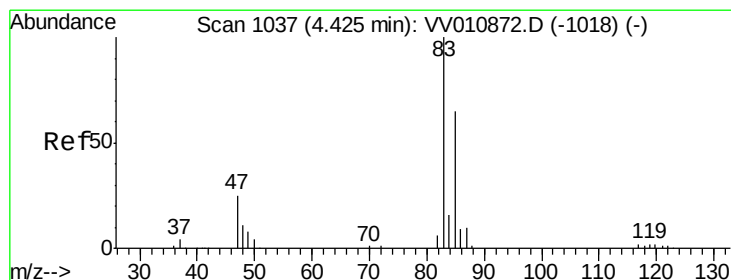
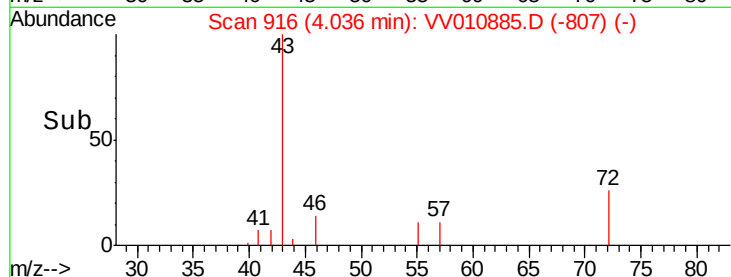
1000

500

0

3.98 4.00 4.02 4.04 4.06

Time-->



#25

Chloroform

Concen: 3.696 ug/L

RT: 4.42 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VV010885.D

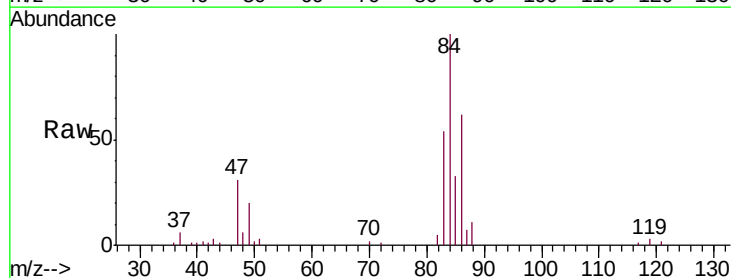
Acq: 15 May 2019 03:51

Tgt Ion: 83 Resp: 15023

Ion Ratio Lower Upper

83 100

85 70.7 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VV010872.D (-1018) (-)

Ion 85.00 (84.70 to 85.70): VV010872.D (-1018) (-)

6000

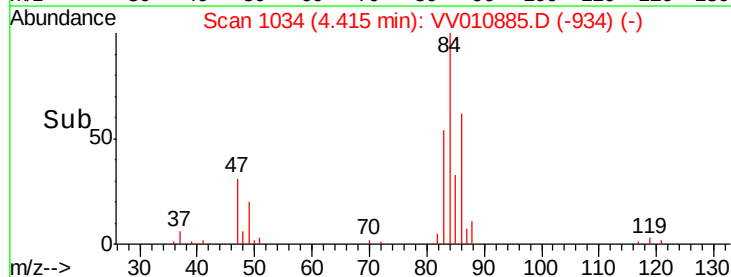
4000

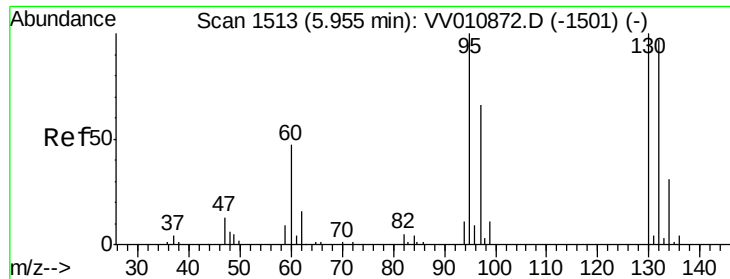
2000

0

4.35 4.40 4.45 4.50

Time-->

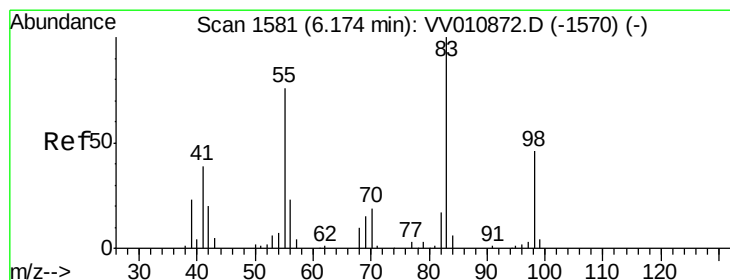
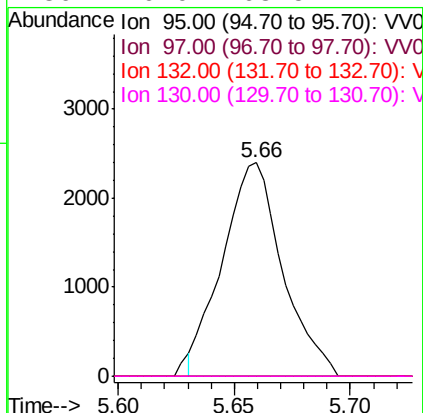
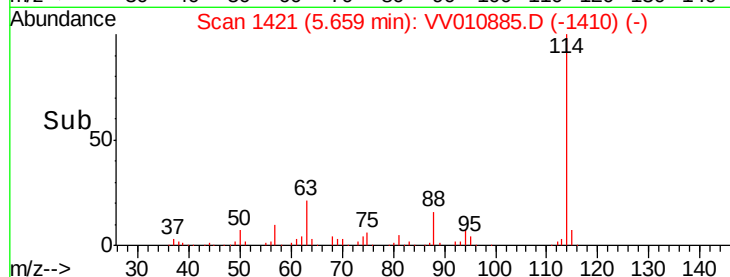
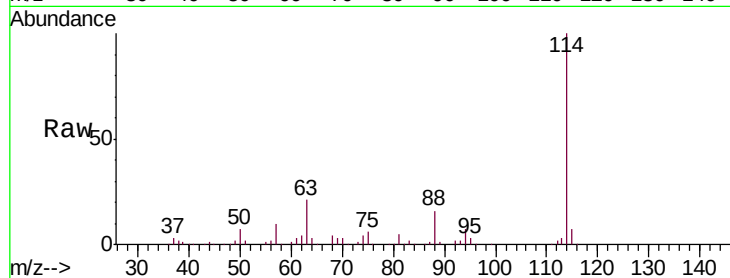




#35
 Trichloroethene
 Concen: 2.032 ug/L
 RT: 5.66 min Scan# 1421
 Delta R.T. -0.30 min
 Lab File: VV010885.D
 Acq: 15 May 2019 03:51

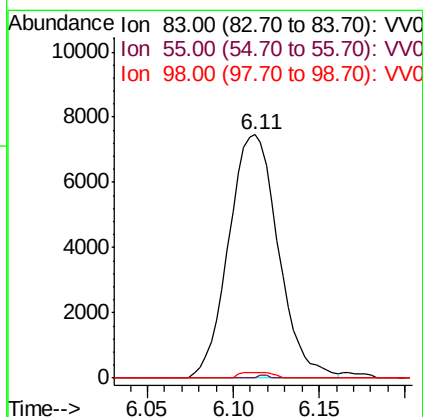
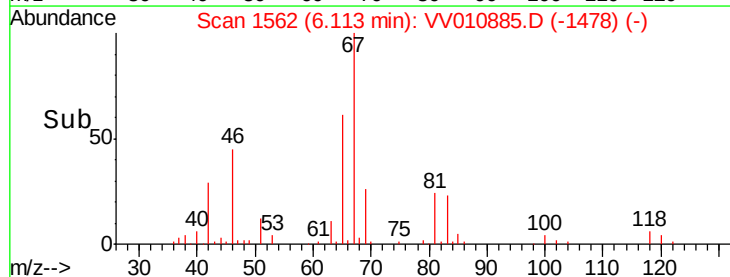
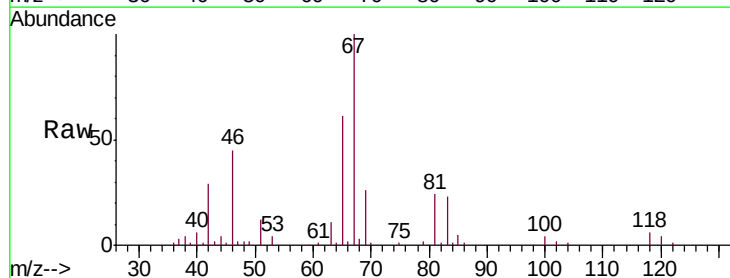
Instrument :
 MSVOA_V
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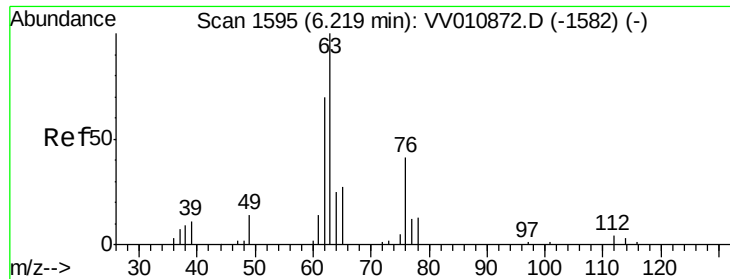
Tgt Ion: 95 Resp: 4335
 Ion Ratio Lower Upper
 95 100
 97 0.0 46.0 85.4#
 132 0.0 67.4 125.2#
 130 0.0 68.5 127.1#



#36
 Methylcyclohexane
 Concen: 5.035 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.06 min
 Lab File: VV010885.D
 Acq: 15 May 2019 03:51

Tgt Ion: 83 Resp: 14952
 Ion Ratio Lower Upper
 83 100
 55 0.3 61.0 91.4#
 98 1.6 37.2 55.8#

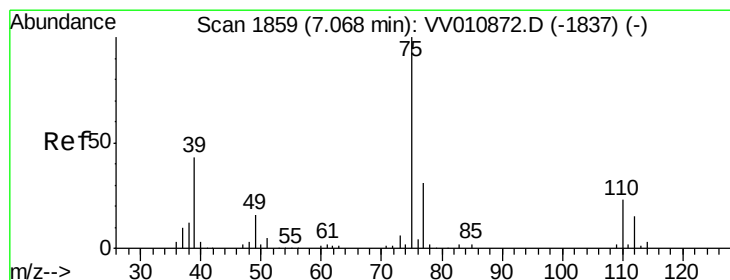
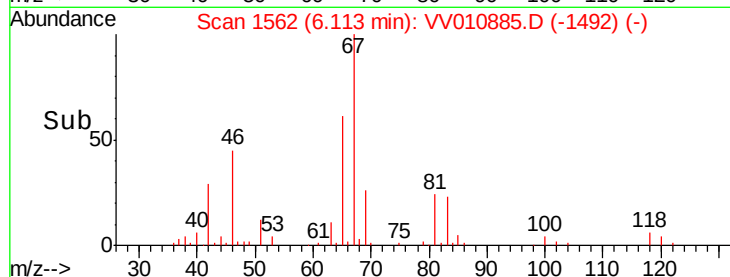
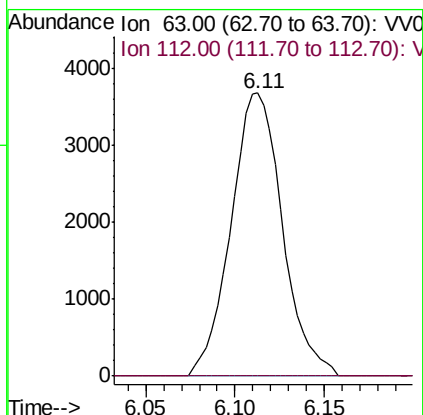
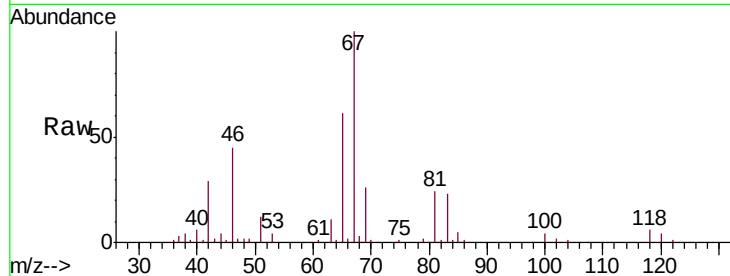




#40
 1,2-Dichloropropane
 Concen: 3.302 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.11 min
 Lab File: VV010885.D
 Acq: 15 May 2019 03:51

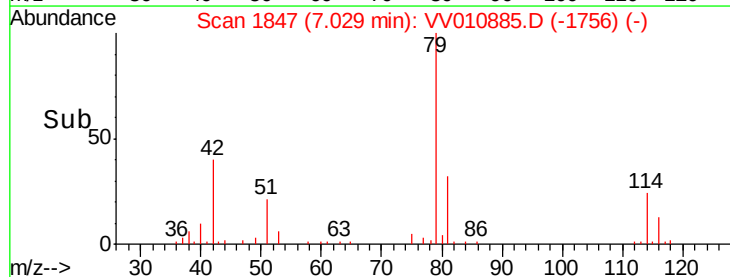
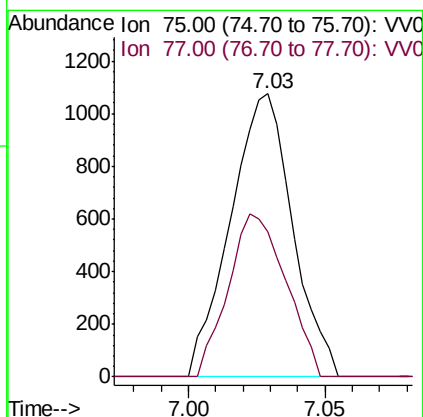
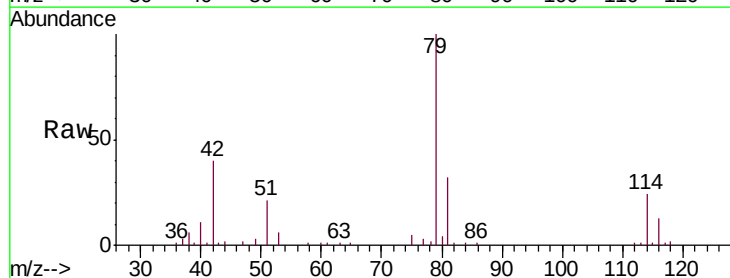
Instrument :
 MSVOA_V
 ClientSampleId :
 DB899

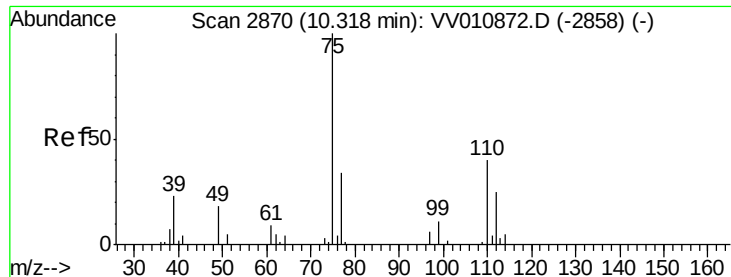
Tgt Ion: 63 Resp: 7404
 Ion Ratio Lower Upper
 63 100
 112 38.6 3.2 4.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.521 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010885.D
 Acq: 15 May 2019 03:51

Tgt Ion: 75 Resp: 1704
 Ion Ratio Lower Upper
 75 100
 77 51.4 21.5 39.9#





#59
 1,2,3-Trichloropropane
 Concen: 4.532 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.97 min
 Lab File: VV010885.D
 Acq: 15 May 2019 03:51

Instrument :
 MSVOA_V
 ClientSampleId :
 DB899

Tgt Ion: 75 Resp: 7832
 Ion Ratio Lower Upper
 75 100
 77 39.1 26.4 39.6

