

Data File : VV010918.D
Acq On : 16 May 2019 02:25
Operator : SY/MD
Sample : K2788-13
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A51A3

Quant Time: May 16 08:14:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 08:09:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	135427	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	136978	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52327	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	33482	19.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.64%
7) Chloroethane-d5	1.56	69	27149	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.56%
10) 1,1-Dichloroethene-d2	2.12	63	49694	15.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.88%
20) 2-Butanone-d5	3.93	46	36658	67.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.06%#
24) Chloroform-d	4.39	84	86997	22.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.08	65	54771	24.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.56%
29) Benzene-d6	5.09	84	168307	22.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.80%
33) 1,2-Dichloropropane-d6	6.11	67	59976	24.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.16%
37) Toluene-d8	7.36	98	145521	19.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.88%
38) trans-1,3-Dichloropropene-	7.66	79	22281	21.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.48%
39) 2-Hexanone-d5	8.13	63	27694	60.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.84%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	58792	26.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	50329	23.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.12%

Target Compounds

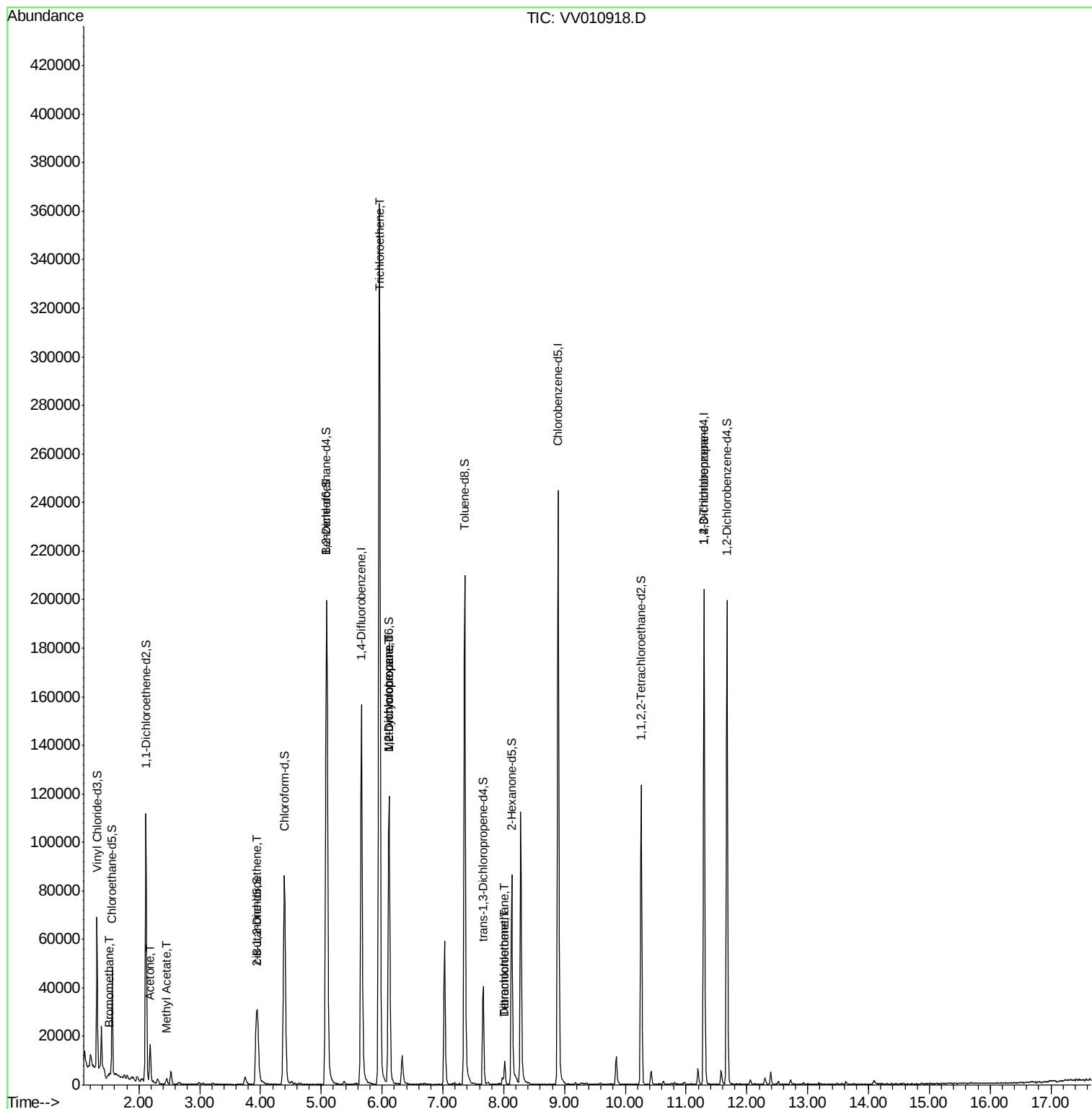
						Qvalue
6) Bromomethane	1.51	94	372	0.827	ug/L	72
13) Acetone	2.18	43	13754	24.876	ug/L	96
15) Methyl Acetate	2.45	43	2694	2.339	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	10279	4.725	ug/L	92
35) Trichloroethene	5.95	95	126386	61.079	ug/L	98
36) Methylcyclohexane	6.11	83	13606	4.725	ug/L #	19
40) 1,2-Dichloropropane	6.12	63	6515	2.996	ug/L #	88
47) Tetrachloroethene	8.02	164	1962	1.283	ug/L	94
50) Dibromochloromethane	8.02	129	2103	1.080	ug/L #	11
59) 1,2,3-Trichloropropane	11.29	75	6355	3.792	ug/L #	83

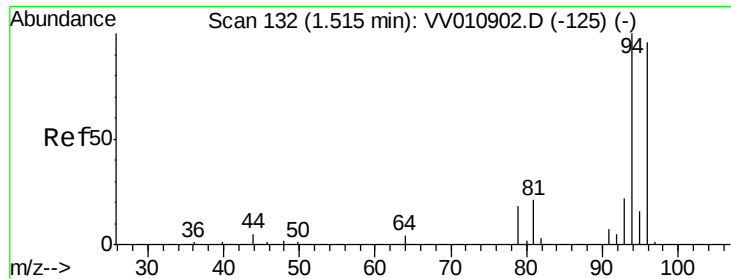
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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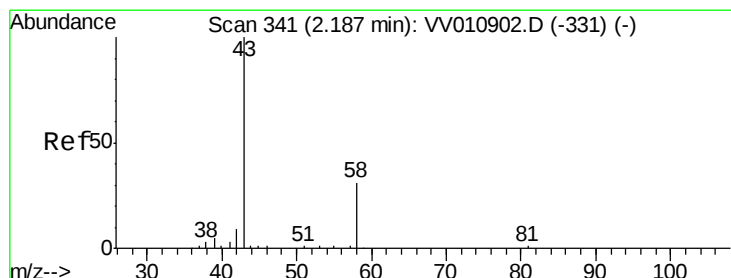
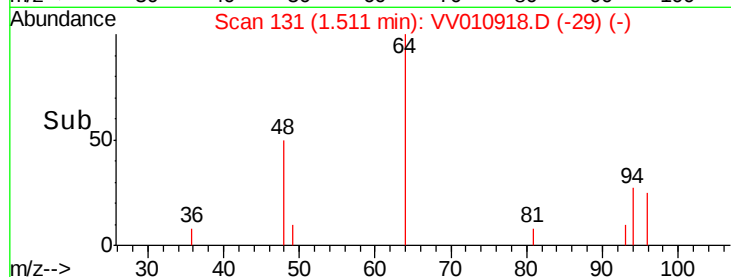
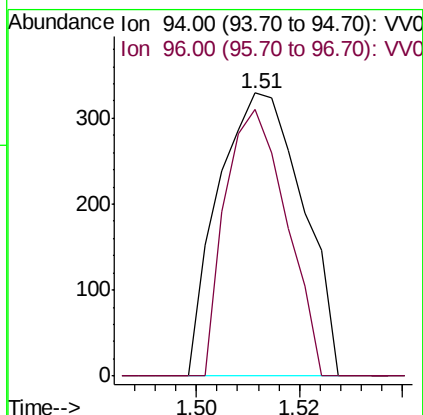
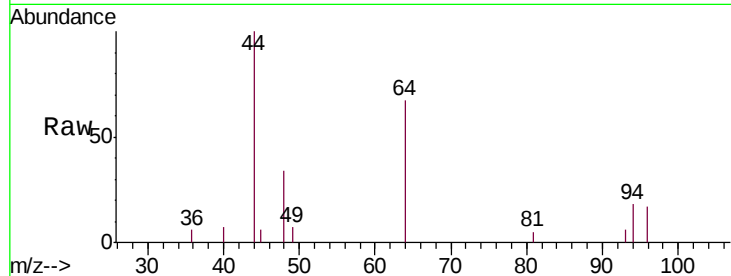




#6
Bromomethane
Concen: 0.827 ug/L
RT: 1.51 min Scan# 131
Delta R.T. -0.00 min
Lab File: VV010918.D
Acq: 16 May 2019 02:25

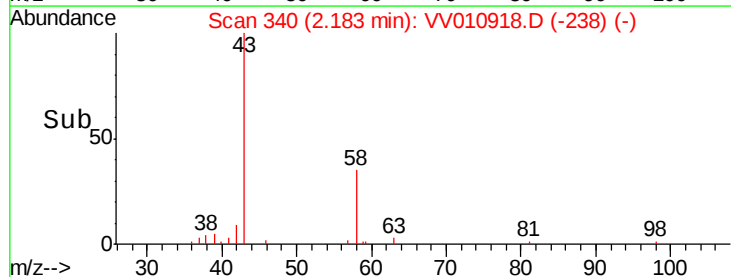
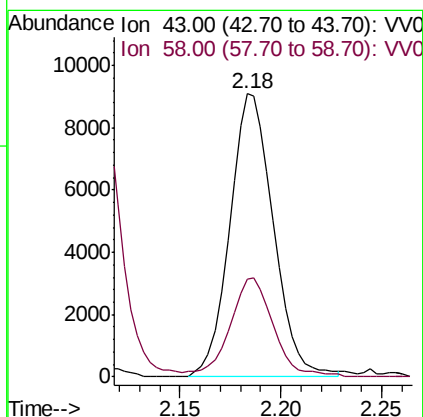
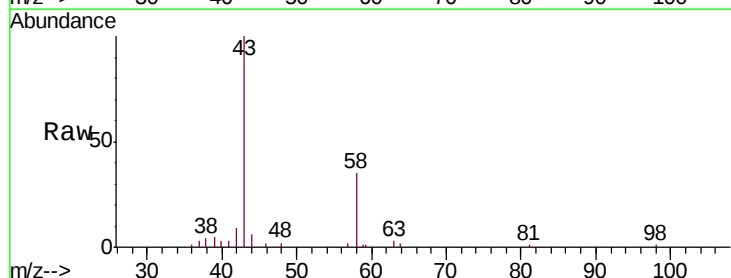
Instrument :
MSVOA_V
ClientSampled :
A51A3

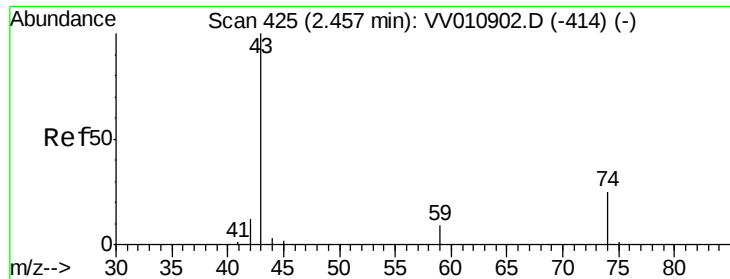
Tgt Ion: 94 Resp: 372
Ion Ratio Lower Upper
94 100
96 68.3 9.6 181.6



#13
Acetone
Concen: 24.876 ug/L
RT: 2.18 min Scan# 340
Delta R.T. -0.00 min
Lab File: VV010918.D
Acq: 16 May 2019 02:25

Tgt Ion: 43 Resp: 13754
Ion Ratio Lower Upper
43 100
58 32.2 0.0 69.2

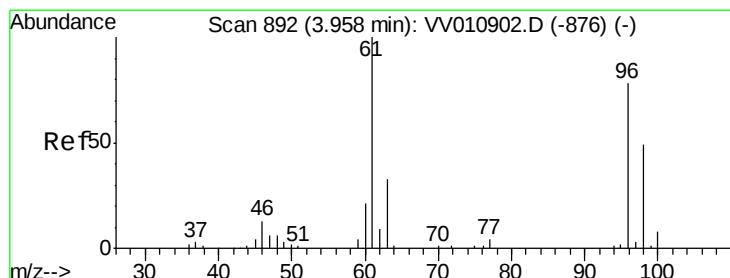
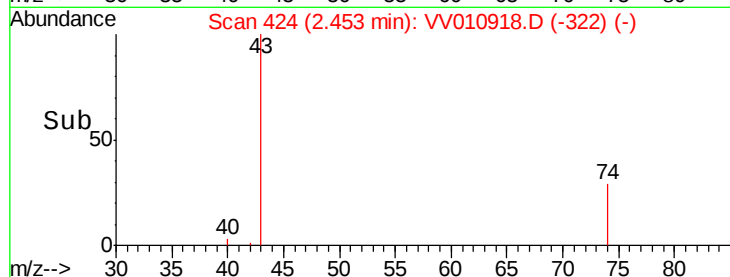
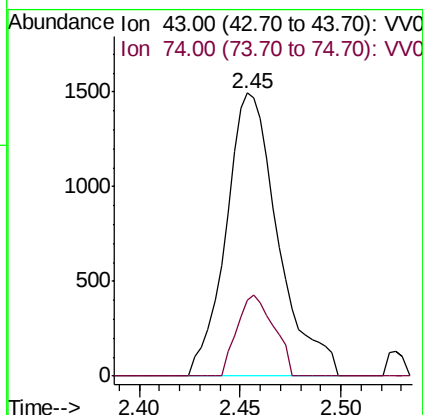
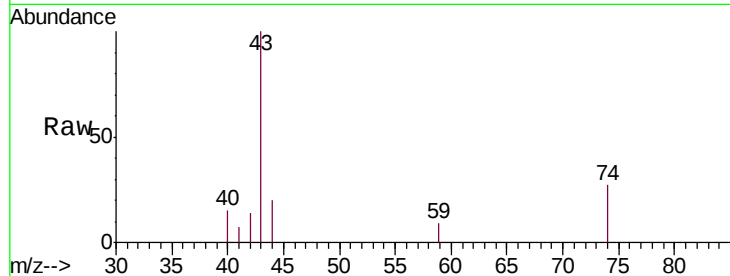




#15
Methyl Acetate
Concen: 2.339 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV010918.D
Acq: 16 May 2019 02:25

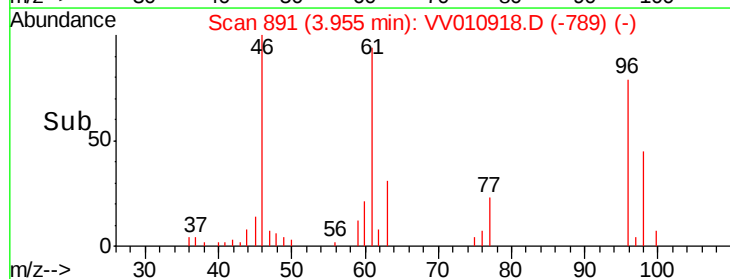
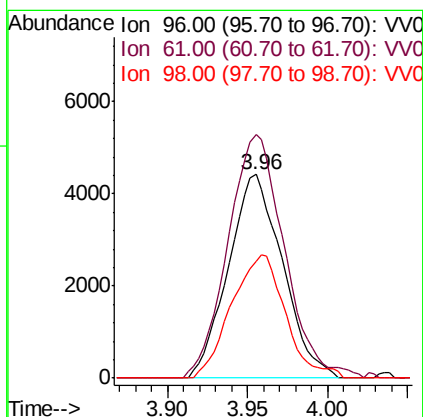
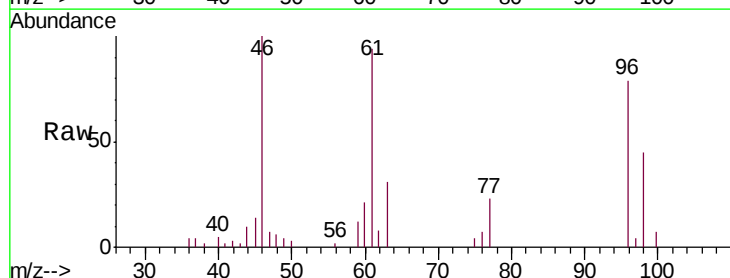
Instrument :
MSVOA_V
ClientSampleId :
A51A3

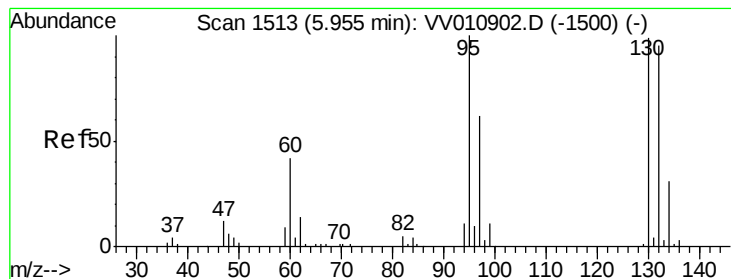
Tgt Ion: 43 Resp: 2694
Ion Ratio Lower Upper
43 100
74 20.3 18.6 27.8



#22
cis-1,2-Dichloroethene
Concen: 4.725 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV010918.D
Acq: 16 May 2019 02:25

Tgt Ion: 96 Resp: 10279
Ion Ratio Lower Upper
96 100
61 119.6 90.2 167.6
98 57.1 44.2 82.0





#35

Trichloroethene

Concen: 61.079 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV010918.D

Acq: 16 May 2019 02:25

Instrument :

MSVOA_V

ClientSampleId :

A51A3

Tgt Ion: 95 Resp: 126386

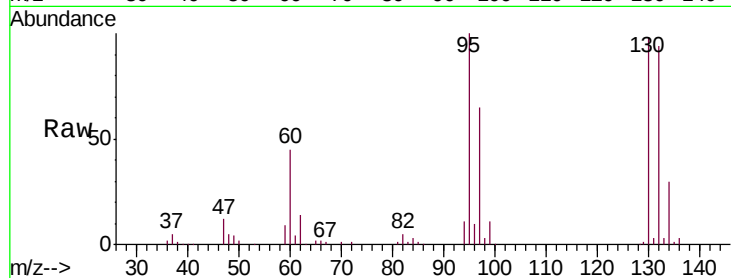
Ion Ratio Lower Upper

95 100

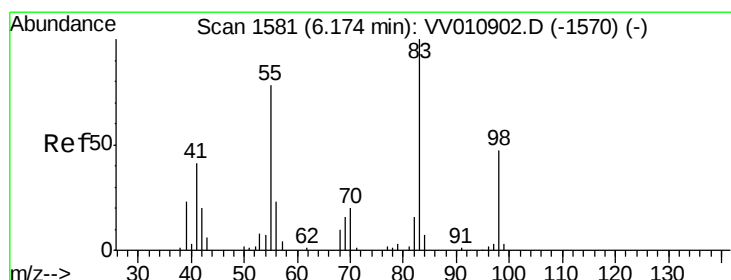
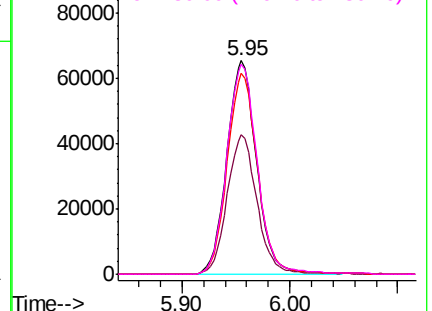
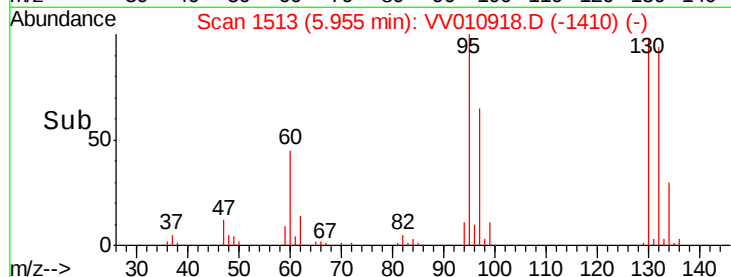
97 65.0 46.0 85.4

132 94.6 67.4 125.2

130 99.5 68.5 127.1



Abundance Ion 95.00 (94.70 to 95.70): VV010918.D (-1410) (-)



#36

Methylcyclohexane

Concen: 4.725 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV010918.D

Acq: 16 May 2019 02:25

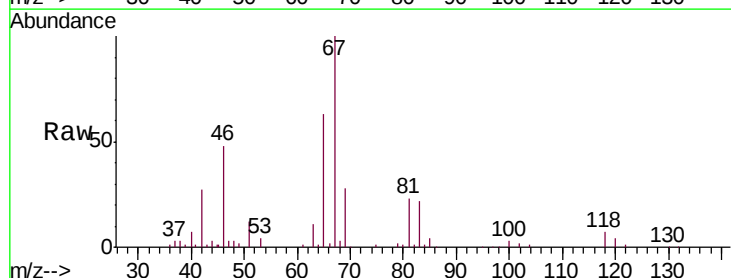
Tgt Ion: 83 Resp: 13606

Ion Ratio Lower Upper

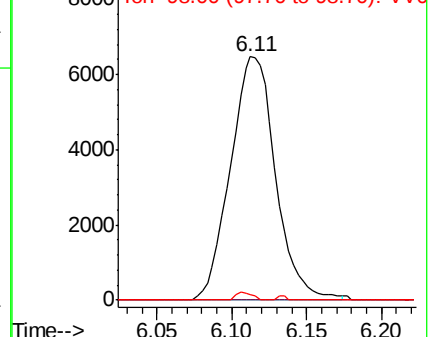
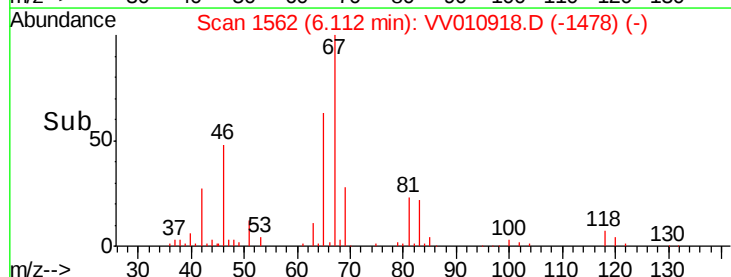
83 100

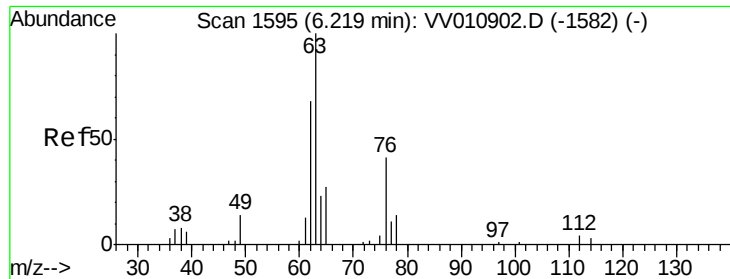
55 0.0 61.0 91.4#

98 1.1 37.2 55.8#



Abundance Ion 83.00 (82.70 to 83.70): VV010918.D (-1478) (-)

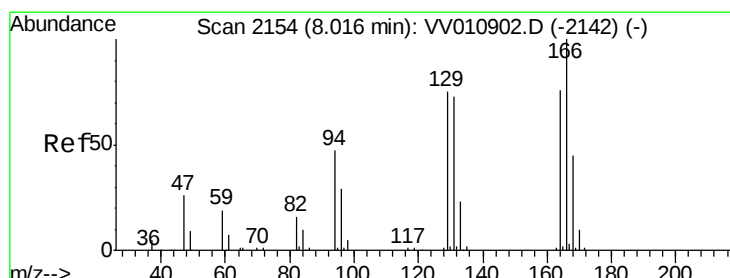
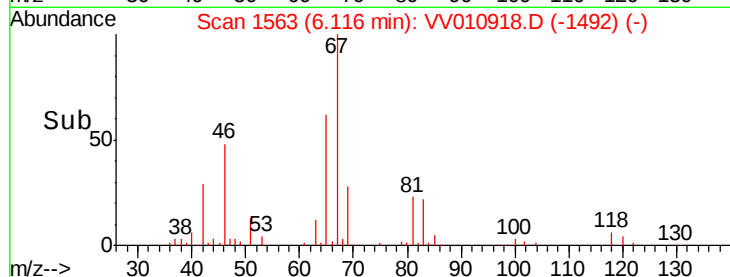
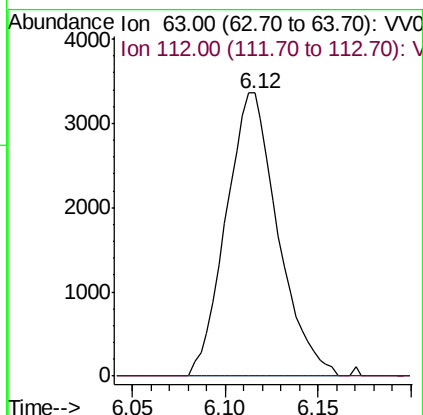
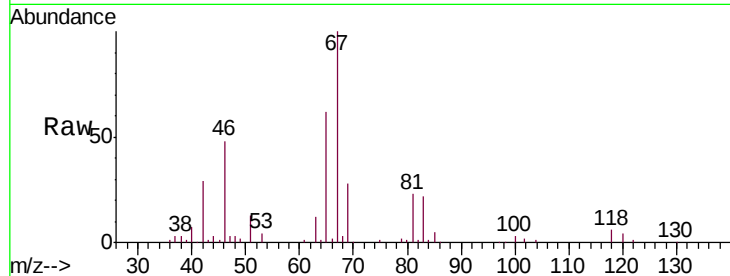




#40
 1,2-Dichloropropane
 Concen: 2.996 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV010918.D
 Acq: 16 May 2019 02:25

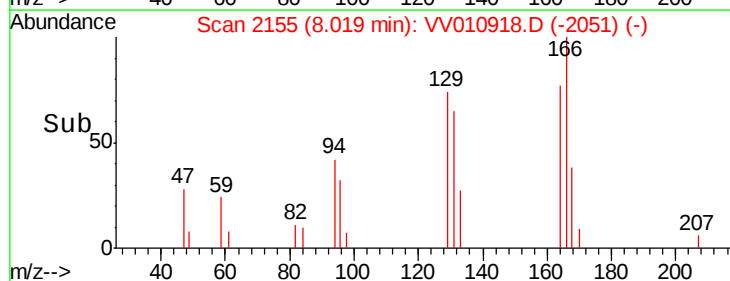
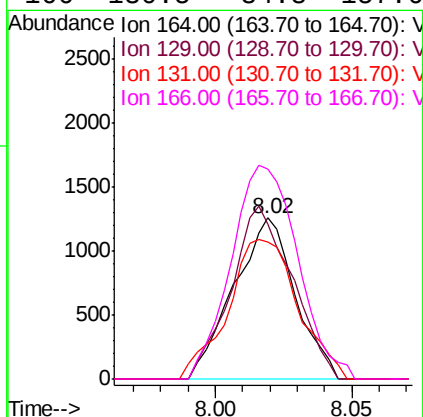
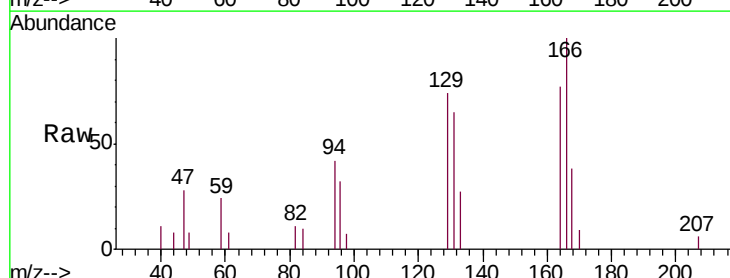
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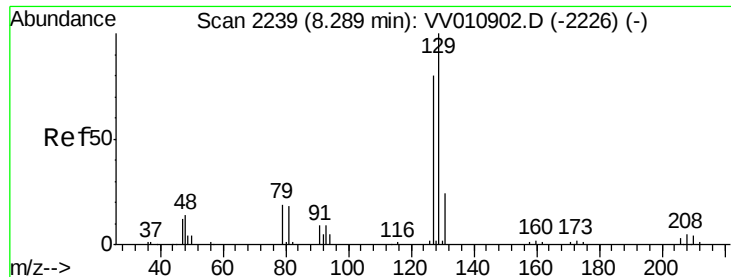
Tgt Ion: 63 Resp: 6515
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#47
 Tetrachloroethene
 Concen: 1.283 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010918.D
 Acq: 16 May 2019 02:25

Tgt Ion: 164 Resp: 1962
 Ion Ratio Lower Upper
 164 100
 129 96.6 67.6 125.6
 131 85.1 65.1 120.9
 166 130.5 84.8 157.6

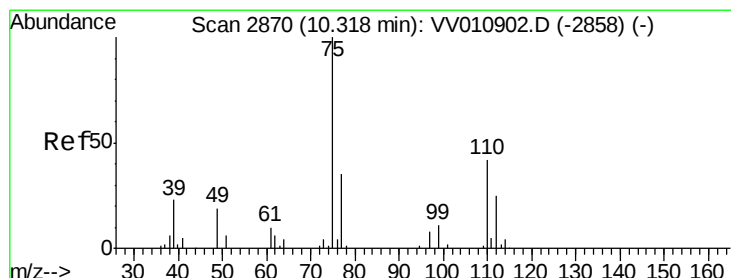
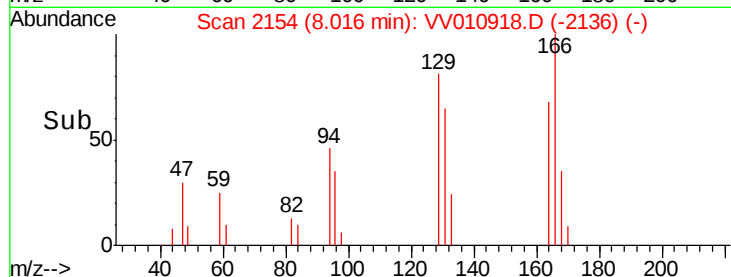
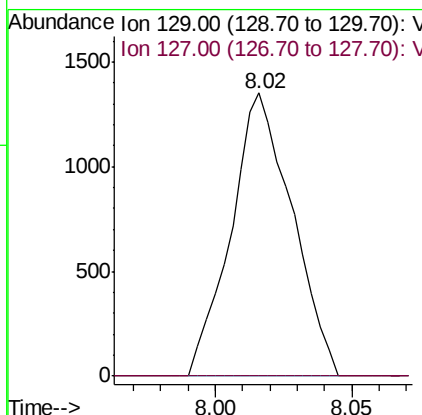
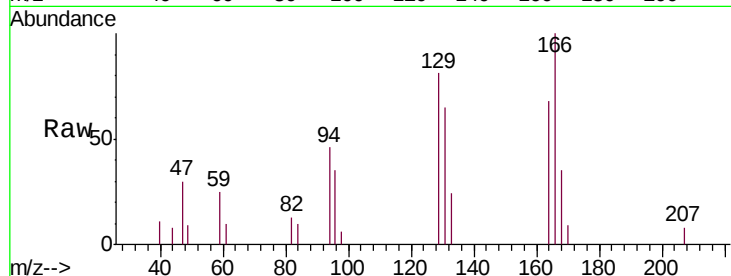




#50
 Dibromochloromethane
 Concen: 1.080 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.27 min
 Lab File: VV010918.D
 Acq: 16 May 2019 02:25

Instrument :
 MSVOA_V
 ClientSampleId :
 A51A3

Tgt Ion: 129 Resp: 2103
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.8 100.0#



#59
 1,2,3-Trichloropropane
 Concen: 3.792 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.97 min
 Lab File: VV010918.D
 Acq: 16 May 2019 02:25

Tgt Ion: 75 Resp: 6355
 Ion Ratio Lower Upper
 75 100
 77 42.5 26.4 39.6#

