

Data File : VV010896.D
Acq On : 15 May 2019 12:33
Operator : SY/MD
Sample : K2788-09
Misc : 6.46G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A5197

Quant Time: May 16 07:29:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 07:25:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	16690	25.00	ug/L	0.01
28) Chlorobenzene-d5	8.90	117	16075	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	5491	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4512	21.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.88%
7) Chloroethane-d5	1.58	69	4227	30.50	ug/L	0.04
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.00%
10) 1,1-Dichloroethene-d2	2.13	63	7258	18.04	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.16%
20) 2-Butanone-d5	3.95	46	2376	35.52	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.04%
24) Chloroform-d	4.40	84	10216	21.20	ug/L	0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.09	65	6124	22.35	ug/L	0.02
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.40%
29) Benzene-d6	5.10	84	20245	22.75	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.00%
33) 1,2-Dichloropropane-d6	6.12	67	6452	22.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.92%
37) Toluene-d8	7.36	98	16527	19.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.32%
38) trans-1,3-Dichloropropene-	7.67	79	1996	16.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	64.48%
39) 2-Hexanone-d5	8.14	63	1532	28.48	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	56.96%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	7070	26.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	4939	21.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.12%

Target Compounds

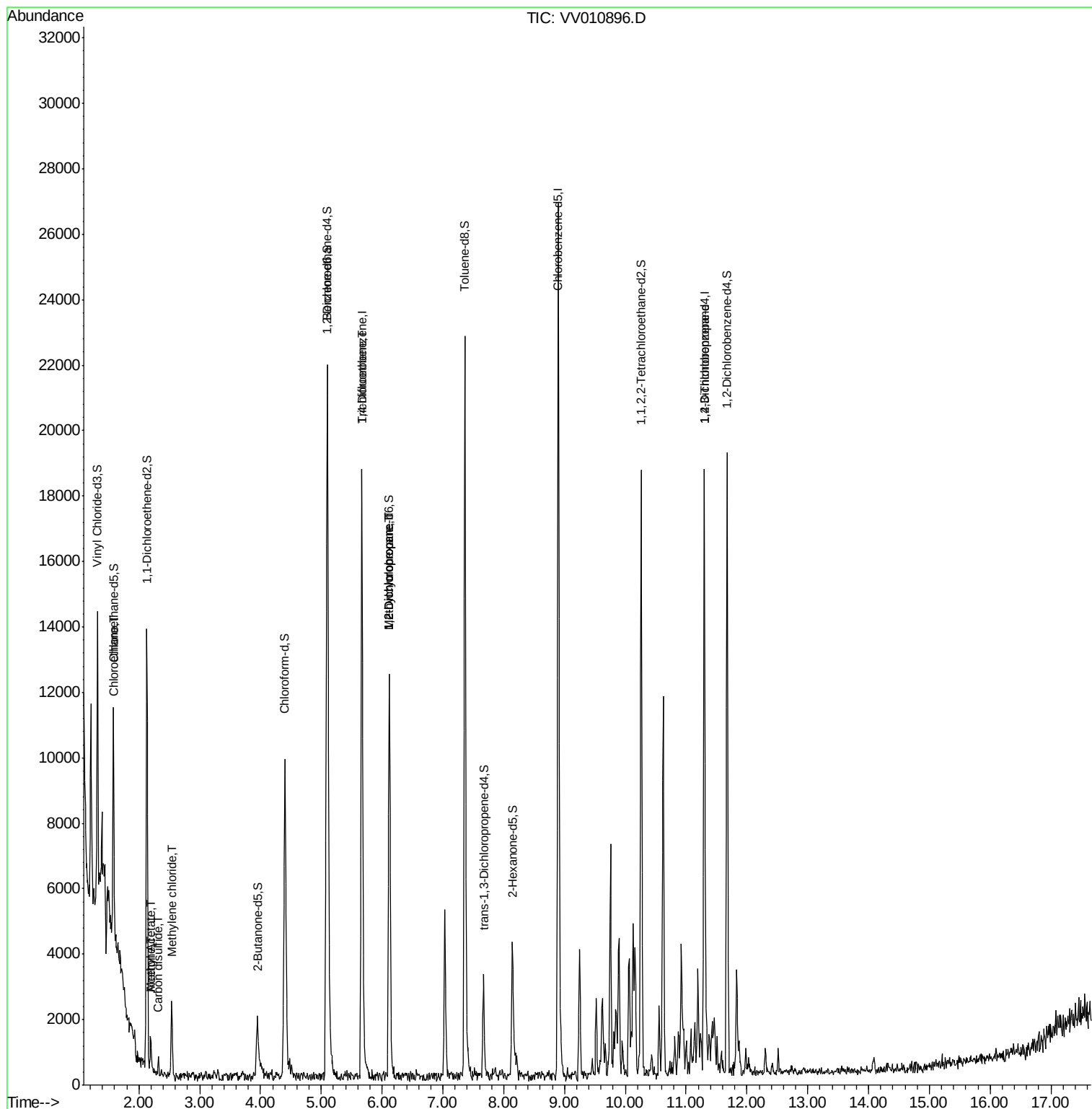
					Qvalue
8) Chloroethane	1.60	64	488	3.952 ug/L #	55
13) Acetone	2.19	43	1221	17.919 ug/L	91
14) Carbon disulfide	2.32	76	434	0.749 ug/L #	28
15) Methyl Acetate	2.19	43	1221	8.603 ug/L #	52
16) Methylene chloride	2.53	84	1007	3.739 ug/L	86
35) Trichloroethene	5.66	95	419	1.725 ug/L #	5
36) Methylcyclohexane	6.11	83	837	2.477 ug/L #	18
40) 1,2-Dichloropropane	6.12	63	588	2.304 ug/L #	88
59) 1,2,3-Trichloropropane	11.31	75	670	3.407 ug/L #	88

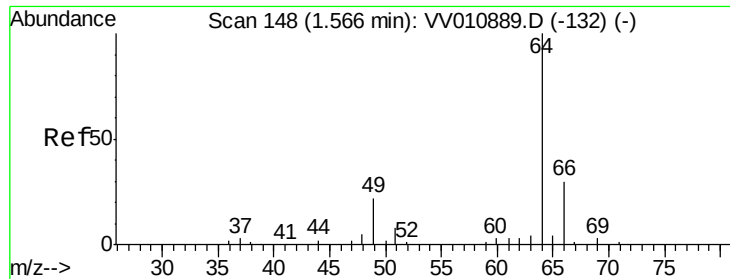
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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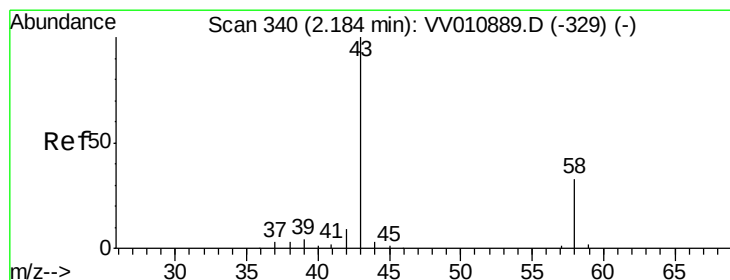
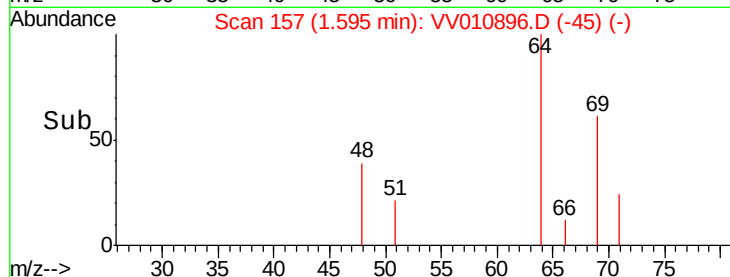
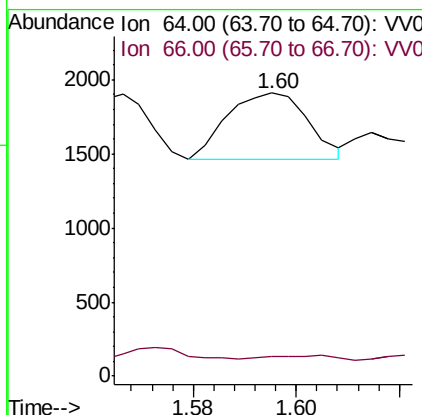
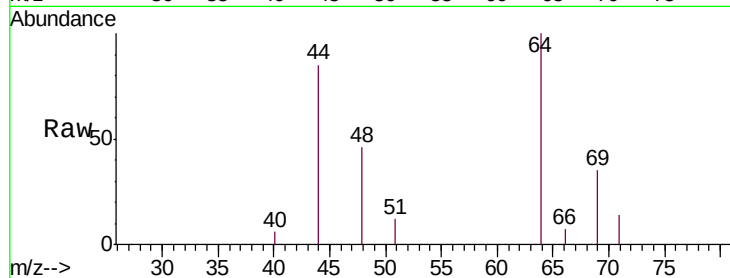




#8
 Chloroethane
 Concen: 3.952 ug/L
 RT: 1.60 min Scan# 157
 Delta R.T. 0.03 min
 Lab File: VV010896.D
 Acq: 15 May 2019 12:33

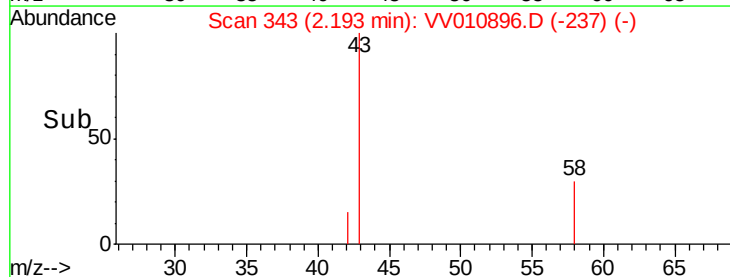
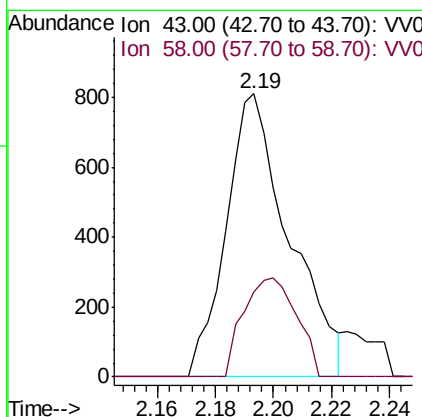
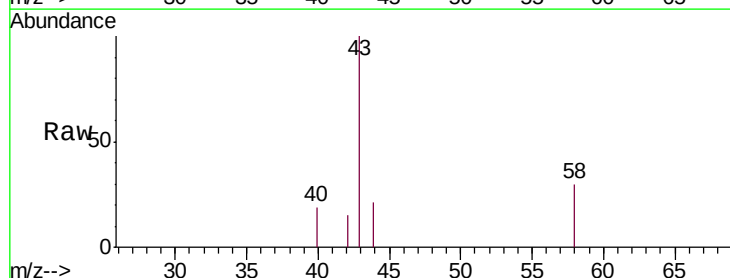
Instrument :
 MSVOA_V
 ClientSampled :
 A5197

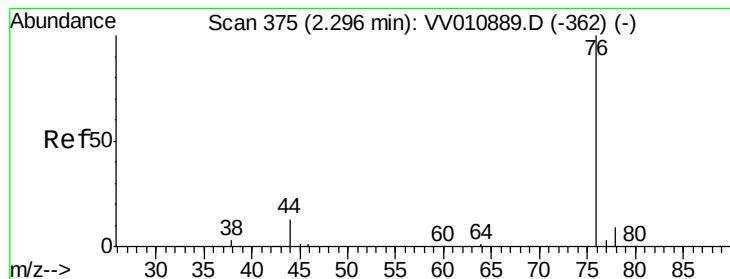
Tgt Ion: 64 Resp: 488
 Ion Ratio Lower Upper
 64 100
 66 7.0 22.5 41.9#



#13
 Acetone
 Concen: 17.919 ug/L
 RT: 2.19 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VV010896.D
 Acq: 15 May 2019 12:33

Tgt Ion: 43 Resp: 1221
 Ion Ratio Lower Upper
 43 100
 58 29.6 0.0 69.2





#14

Carbon disulfide

Concen: 0.749 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.03 min

Lab File: VV010896.D

Acq: 15 May 2019 12:33

Instrument :

MSVOA_V

ClientSampled :

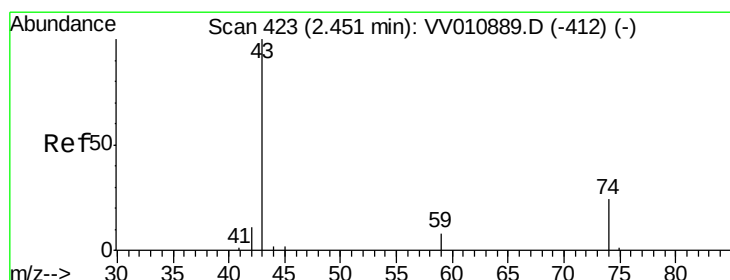
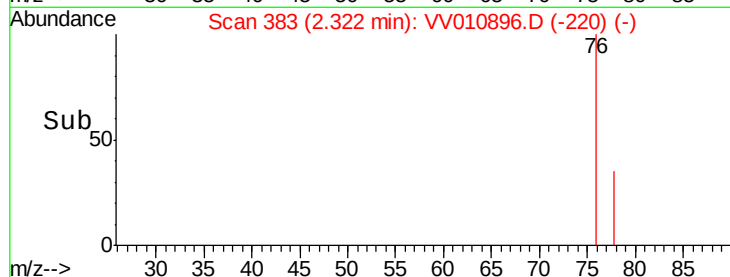
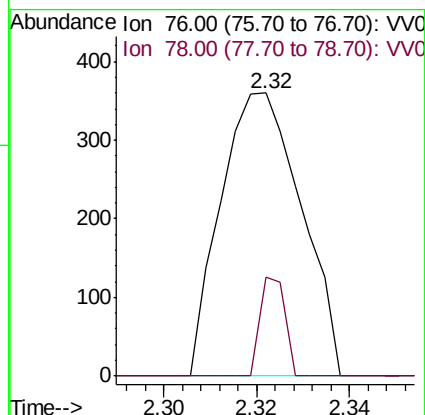
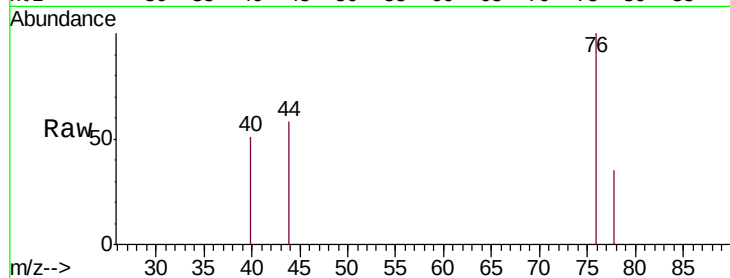
A5197

Tgt Ion: 76 Resp: 434

Ion Ratio Lower Upper

76 100

78 35.0 7.2 10.8#



#15

Methyl Acetate

Concen: 8.603 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.26 min

Lab File: VV010896.D

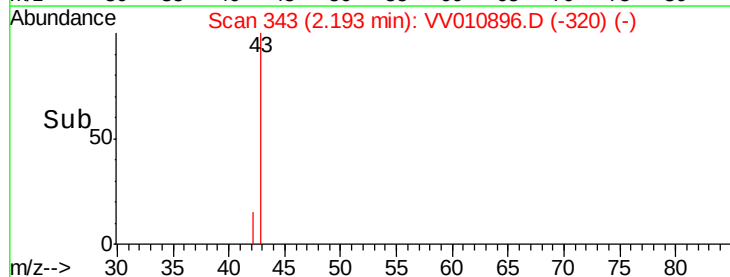
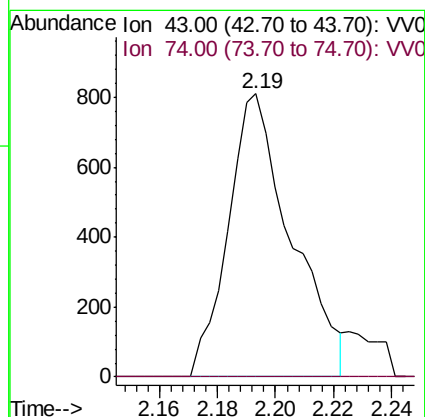
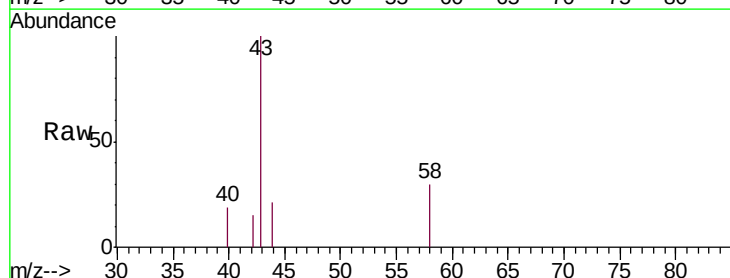
Acq: 15 May 2019 12:33

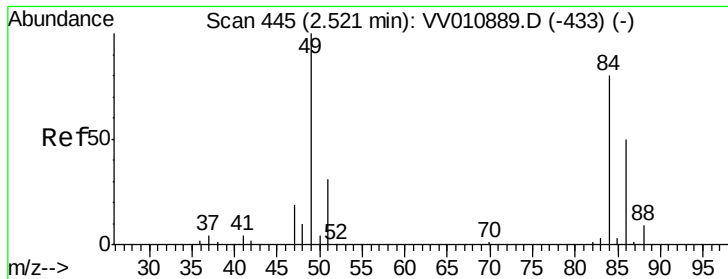
Tgt Ion: 43 Resp: 1221

Ion Ratio Lower Upper

43 100

74 0.0 18.6 27.8#

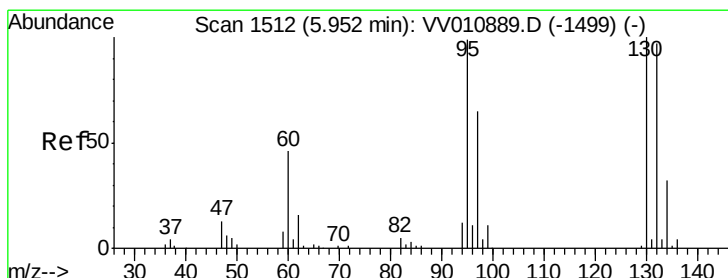
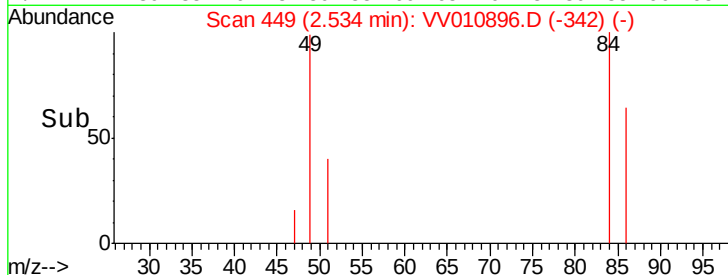
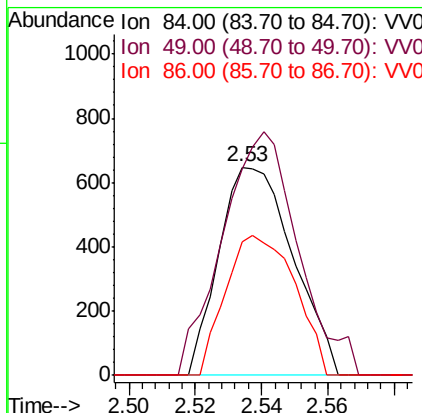
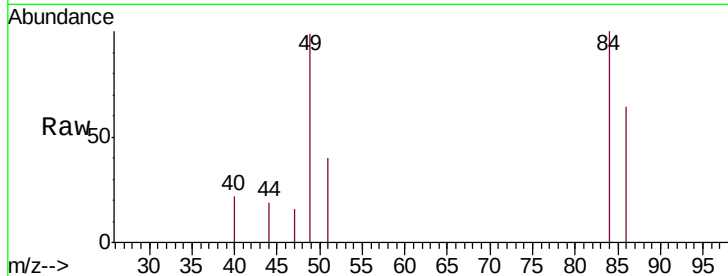




#16
Methylene chloride
Concen: 3.739 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.01 min
Lab File: VV010896.D
Acq: 15 May 2019 12:33

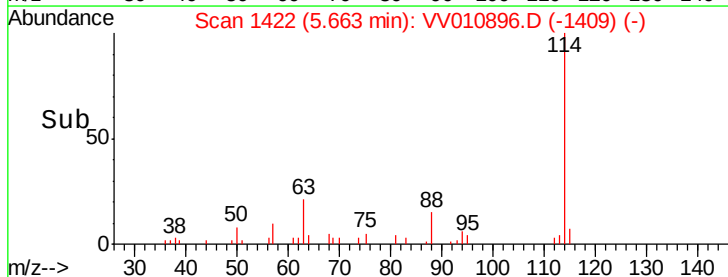
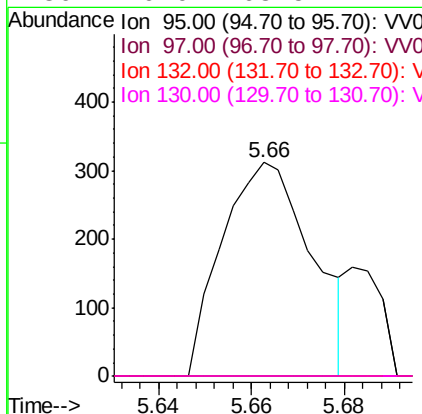
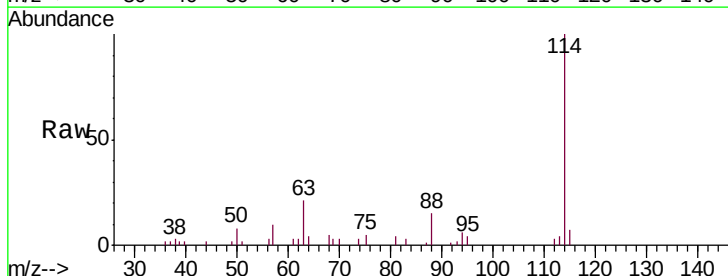
Instrument :
MSVOA_V
ClientSampled :
A5197

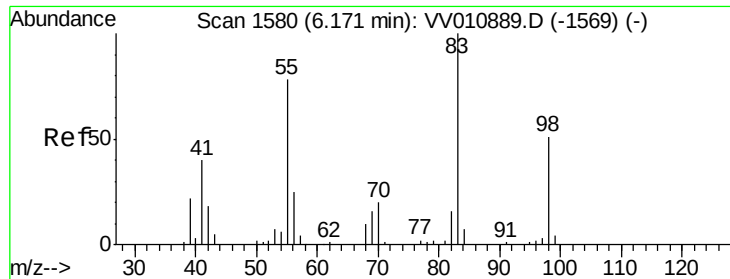
Tgt Ion: 84 Resp: 1007
Ion Ratio Lower Upper
84 100
49 99.2 85.8 159.3
86 64.0 45.0 83.6



#35
Trichloroethene
Concen: 1.725 ug/L
RT: 5.66 min Scan# 1422
Delta R.T. -0.29 min
Lab File: VV010896.D
Acq: 15 May 2019 12:33

Tgt Ion: 95 Resp: 419
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#

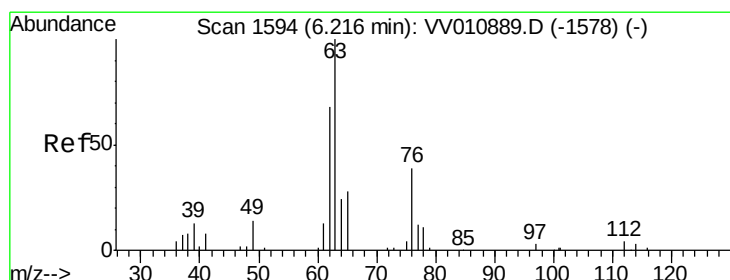
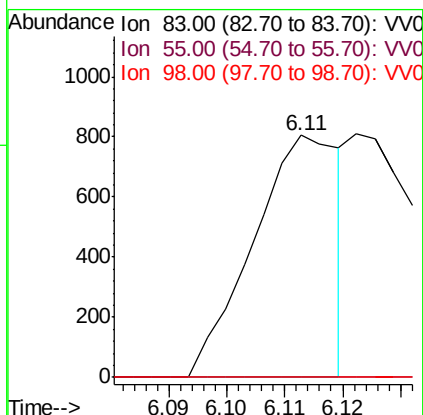
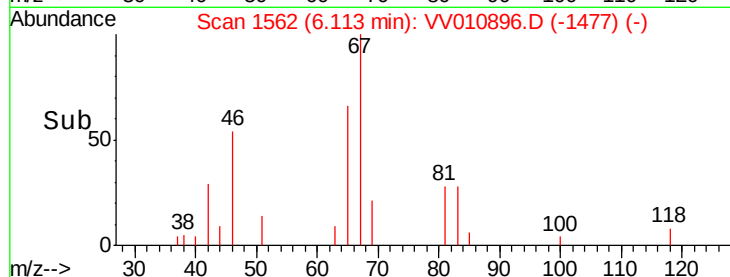
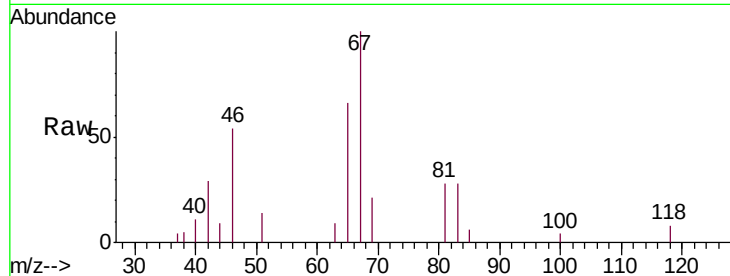




#36
Methylcyclohexane
Concen: 2.477 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV010896.D
Acq: 15 May 2019 12:33

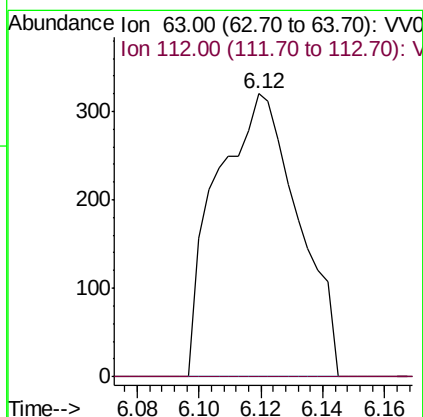
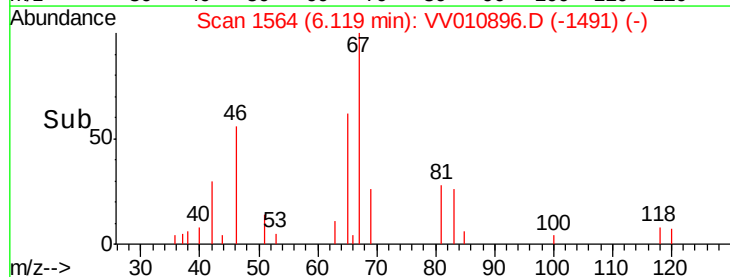
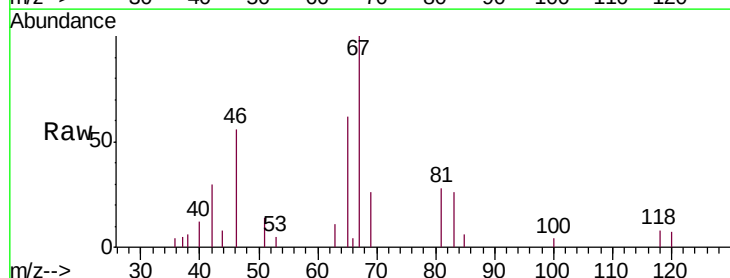
Instrument :
MSVOA_V
ClientSampled :
A5197

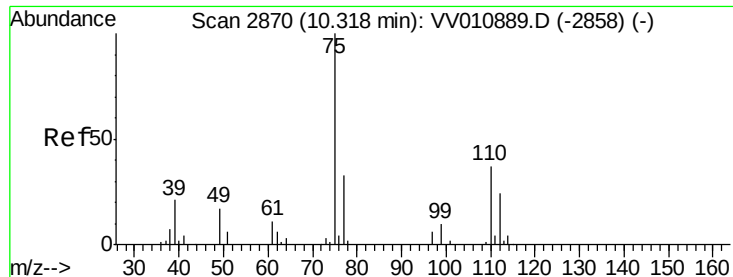
Tgt Ion: 83 Resp: 837
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.4#
98 0.0 37.2 55.8#



#40
1,2-Dichloropropane
Concen: 2.304 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV010896.D
Acq: 15 May 2019 12:33

Tgt Ion: 63 Resp: 588
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#59

1,2,3-Trichloropropane

Concen: 3.407 ug/L

RT: 11.31 min Scan# 3177

Delta R.T. 0.99 min

Lab File: VV010896.D

Acq: 15 May 2019 12:33

Instrument :

MSVOA_V

ClientSampleId :

A5197

Tgt Ion: 75 Resp: 670

Ion Ratio Lower Upper

75 100

77 26.1 26.4 39.6#

