

Data File : VV009646.D
Acq On : 13 Mar 2019 20:04
Operator : SY/MD
Sample : K1794-08
Misc : 5.28G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5N8

Quant Time: Mar 14 07:41:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 14 07:37:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	115194	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	97103	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	31140	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24431	16.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.36%
7) Chloroethane-d5	1.58	69	49587	27.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.16%
10) 1,1-Dichloroethene-d2	2.13	63	53518	13.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.76%
20) 2-Butanone-d5	3.96	46	6183	16.03	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	32.06%
24) Chloroform-d	4.40	84	66090	22.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.08	65	39620	23.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.36%
29) Benzene-d6	5.10	84	125919	24.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.88%
33) 1,2-Dichloropropane-d6	6.12	67	39669	26.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.60%
37) Toluene-d8	7.36	98	110208	22.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.44%
38) trans-1,3-Dichloropropene-	7.67	79	6852	10.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	40.08%
39) 2-Hexanone-d5	8.14	63	5035	18.37	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	36.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	31985	22.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.80%
61) 1,2-Dichlorobenzene-d4	11.67	152	27055	22.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.72%

Target Compounds

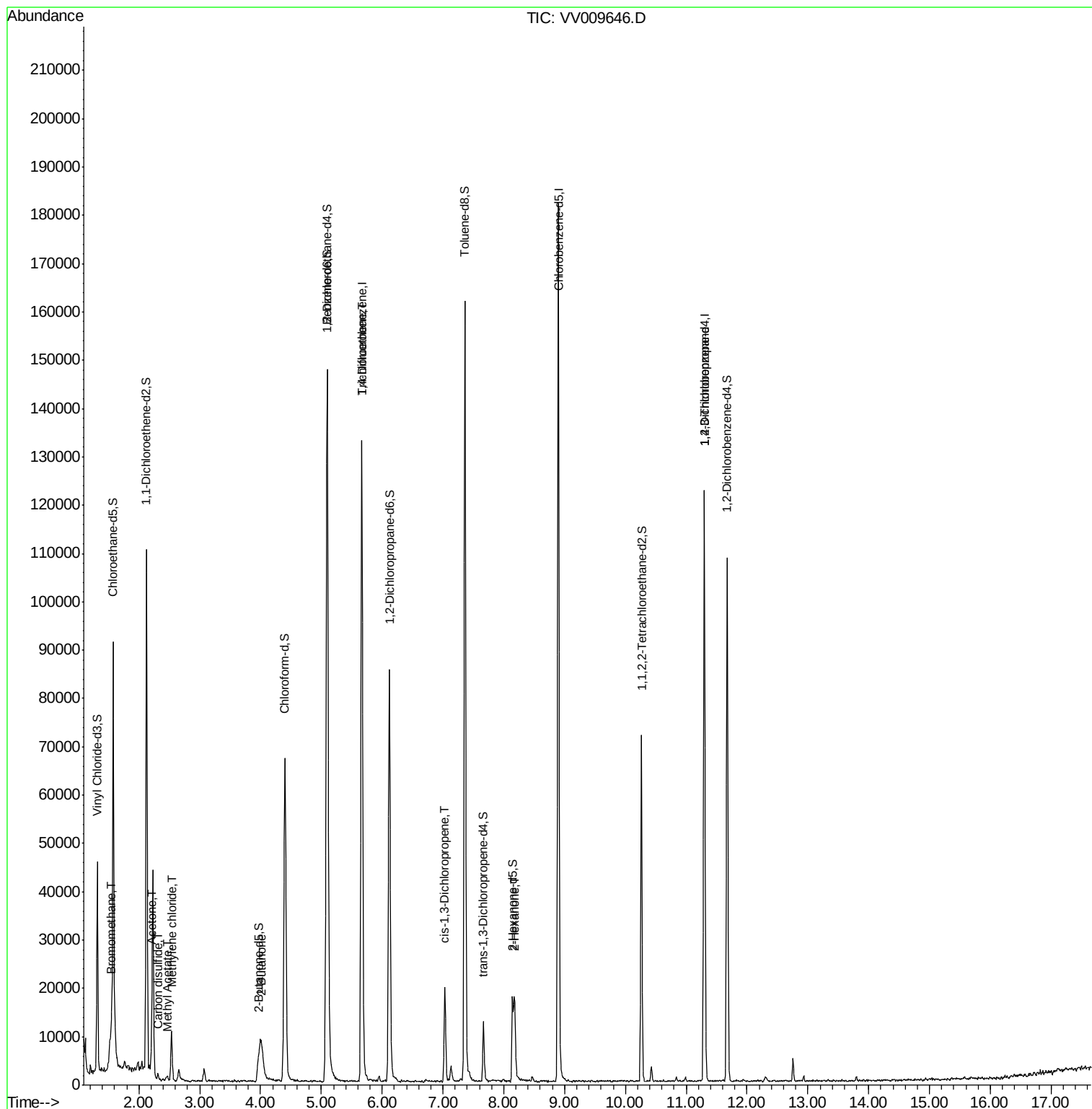
						Qvalue
6) Bromomethane	1.54	94	667	0.353	ug/L	75
13) Acetone	2.21	43	7206	15.493	ug/L	81
14) Carbon disulfide	2.32	76	1457	0.337	ug/L #	90
15) Methyl Acetate	2.47	43	1317	1.941	ug/L #	60
16) Methylene chloride	2.53	84	4598	2.742	ug/L	94
21) 2-Butanone	4.02	43	4145	7.219	ug/L #	58
35) Trichloroethene	5.66	95	2416	1.581	ug/L #	6
42) cis-1,3-Dichloropropene	7.03	75	680	0.335	ug/L	86
49) 2-Hexanone	8.18	43	12238	17.818	ug/L #	48
59) 1,2,3-Trichloropropane	11.30	75	4245	4.081	ug/L #	87

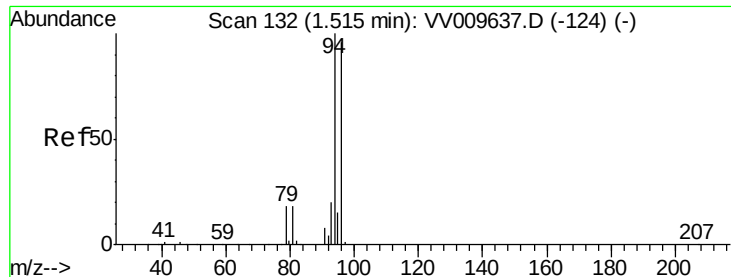
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.353 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.02 min

Lab File: VV009646.D

Acq: 13 Mar 2019 20:04

Instrument :

MSVOA_V

ClientSampled :

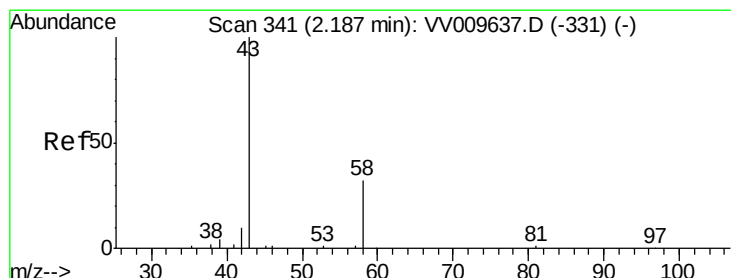
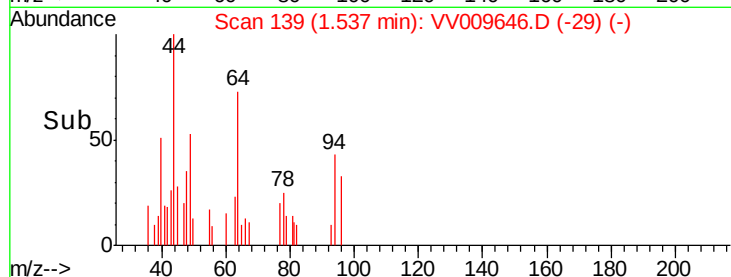
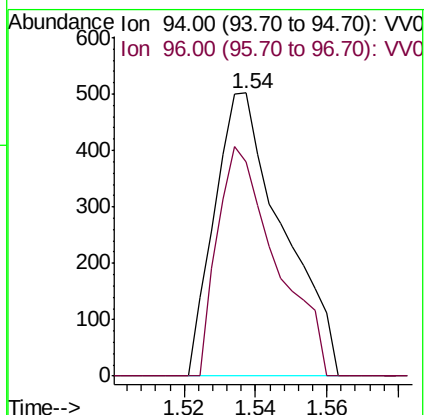
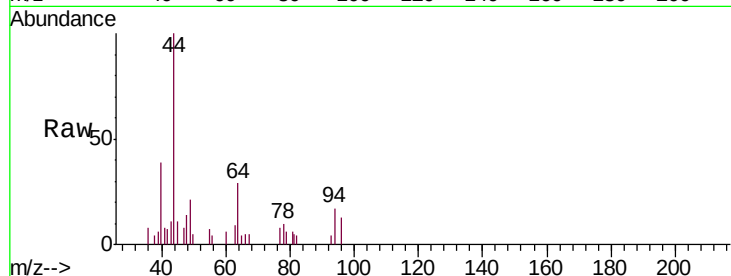
BF5N8

Tgt Ion: 94 Resp: 667

Ion Ratio Lower Upper

94 100

96 69.4 9.4 178.2



#13

Acetone

Concen: 15.493 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.02 min

Lab File: VV009646.D

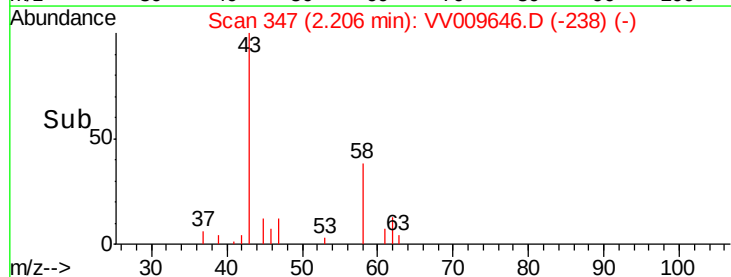
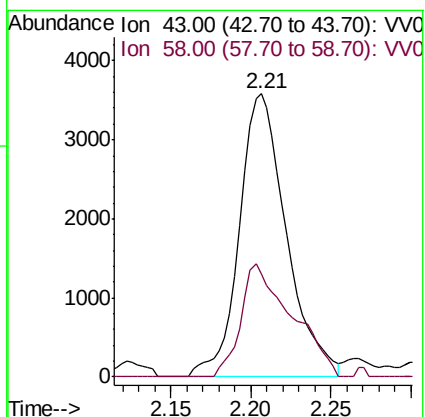
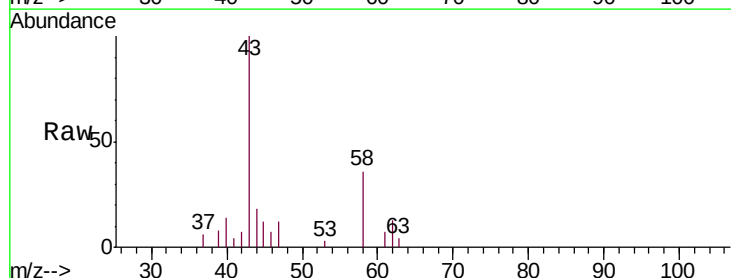
Acq: 13 Mar 2019 20:04

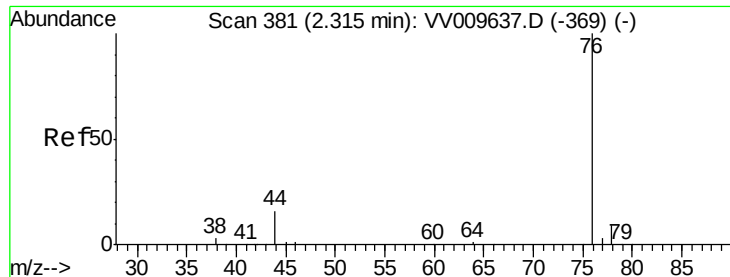
Tgt Ion: 43 Resp: 7206

Ion Ratio Lower Upper

43 100

58 43.1 0.0 64.8





#14

Carbon disulfide

Concen: 0.337 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009646.D

Acq: 13 Mar 2019 20:04

Instrument :

MSVOA_V

ClientSampleId :

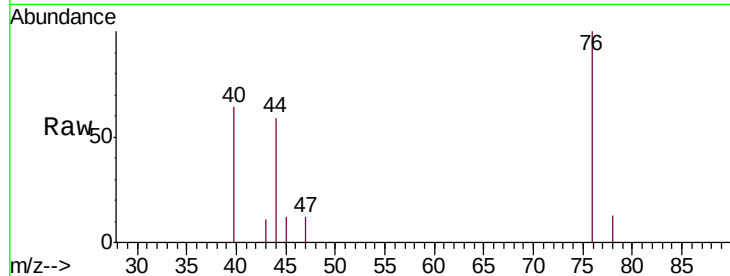
BF5N8

Tgt Ion: 76 Resp: 1457

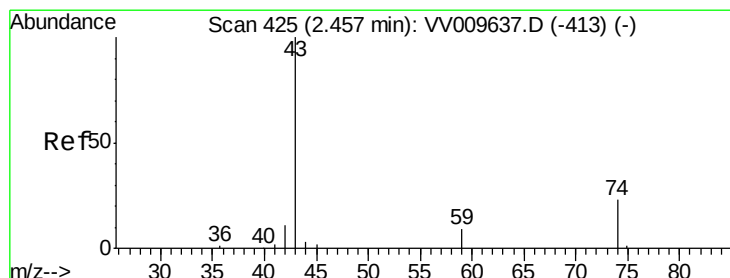
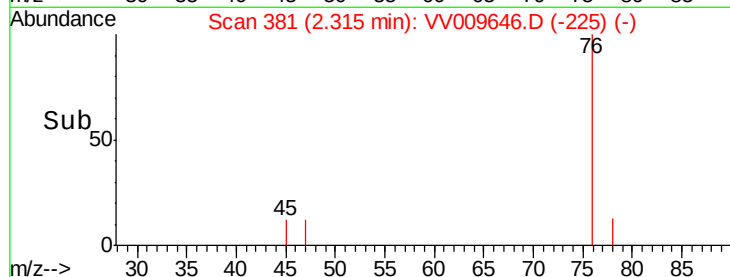
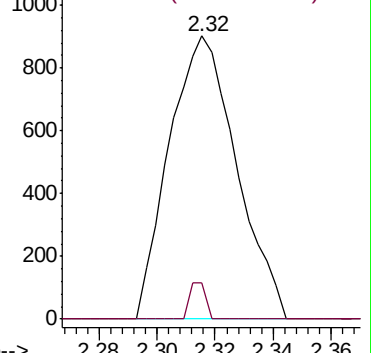
Ion Ratio Lower Upper

76 100

78 12.6 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VV009637.D (-369) (-)



#15

Methyl Acetate

Concen: 1.941 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV009646.D

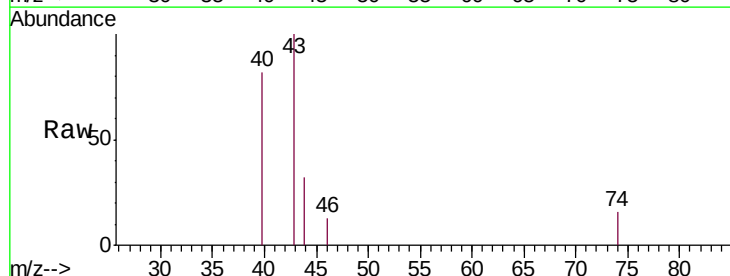
Acq: 13 Mar 2019 20:04

Tgt Ion: 43 Resp: 1317

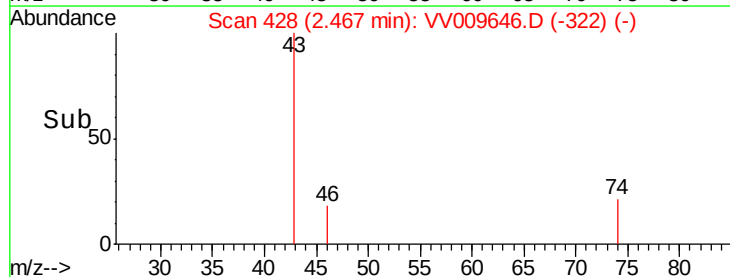
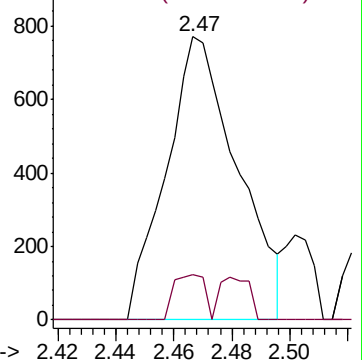
Ion Ratio Lower Upper

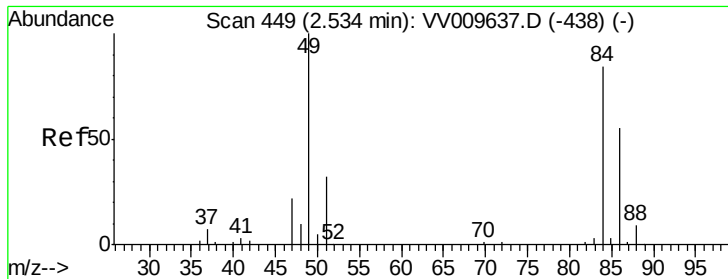
43 100

74 4.8 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VV009637.D (-413) (-)

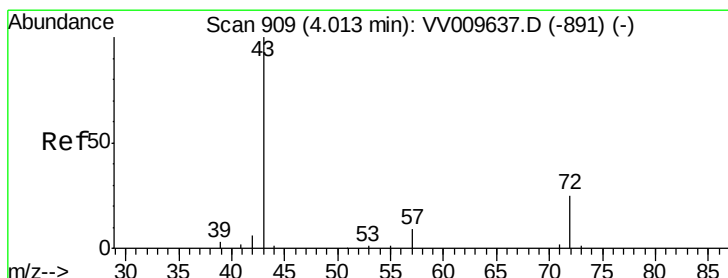
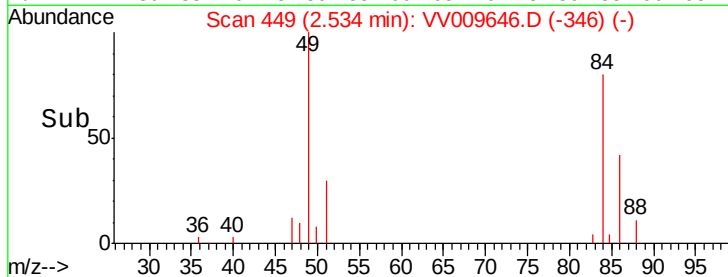
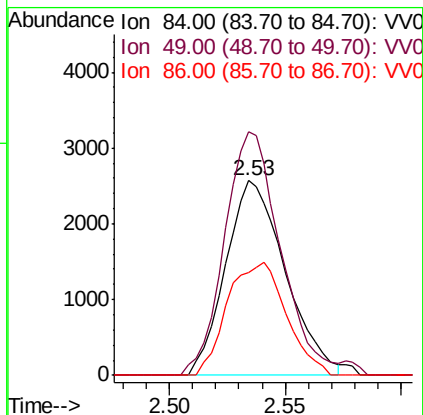
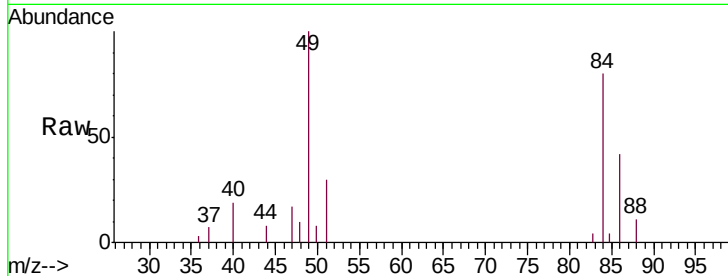




#16
Methylene chloride
Concen: 2.742 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009646.D
Acq: 13 Mar 2019 20:04

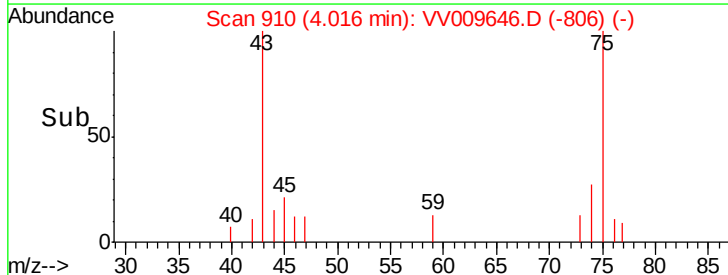
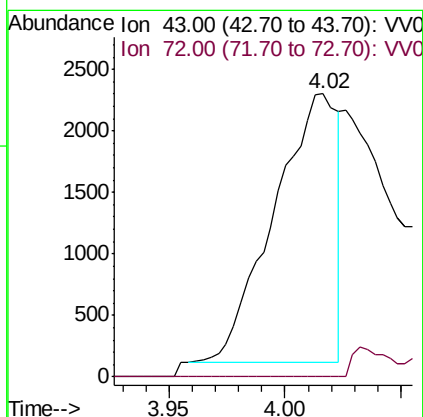
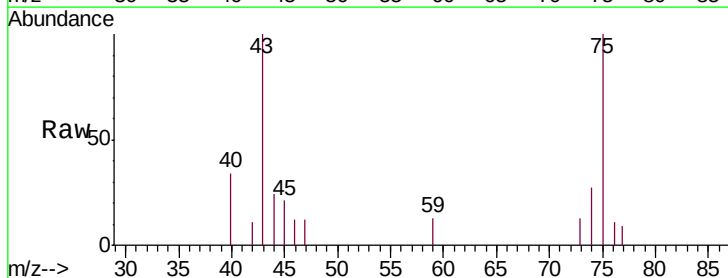
Instrument :
MSVOA_V
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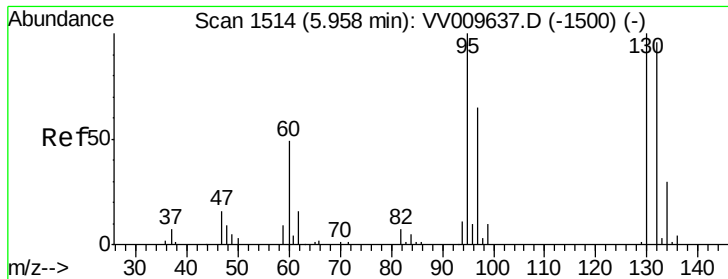
Tgt Ion: 84 Resp: 4598
Ion Ratio Lower Upper
84 100
49 124.9 86.1 159.9
86 52.8 45.2 84.0



#21
2-Butanone
Concen: 7.219 ug/L
RT: 4.02 min Scan# 910
Delta R.T. 0.00 min
Lab File: VV009646.D
Acq: 13 Mar 2019 20:04

Tgt Ion: 43 Resp: 4145
Ion Ratio Lower Upper
43 100
72 6.4 14.5 43.5#

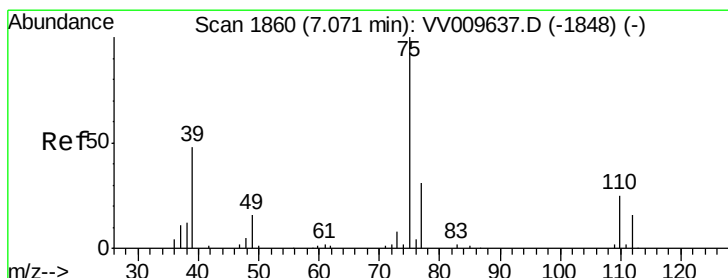
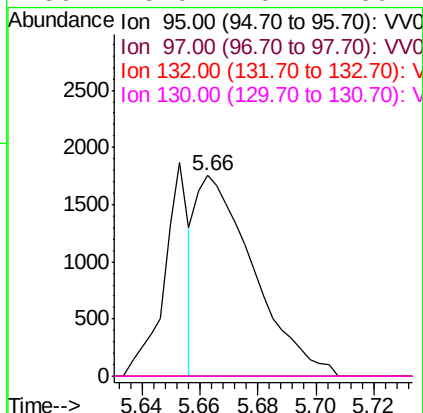
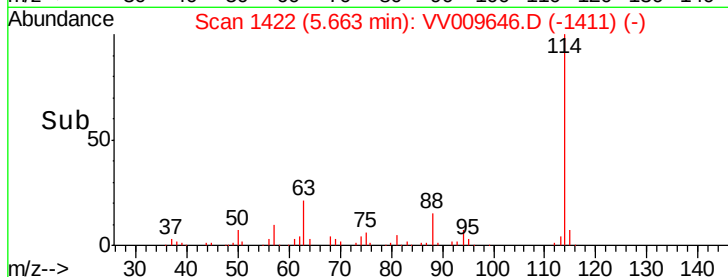
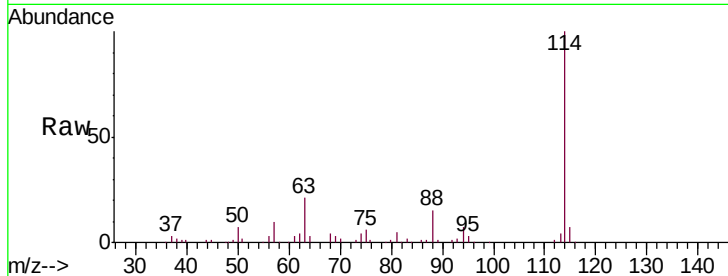




#35
 Trichloroethene
 Concen: 1.581 ug/L
 RT: 5.66 min Scan# 1422
 Delta R.T. -0.30 min
 Lab File: VV009646.D
 Acq: 13 Mar 2019 20:04

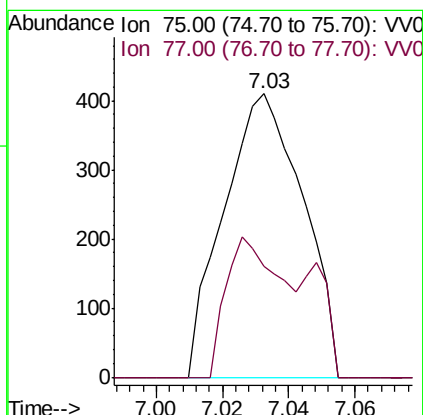
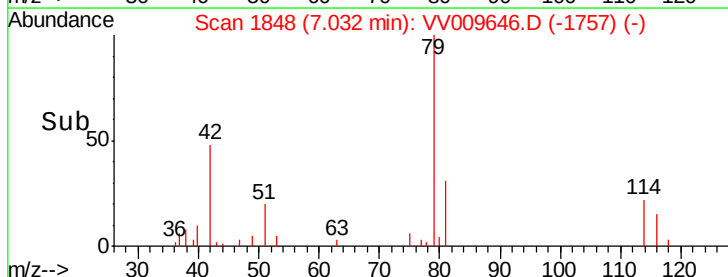
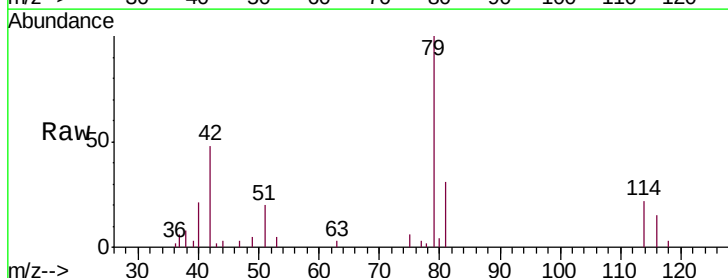
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 MSVOA_V
 ClientSampleId :
 BF5N8

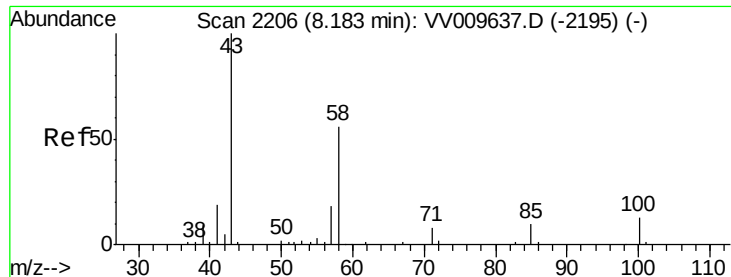
Tgt Ion: 95 Resp: 2416
 Ion Ratio Lower Upper
 95 100
 97 0.0 44.9 83.5#
 132 0.0 66.4 123.2#
 130 3.0 70.2 130.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.335 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009646.D
 Acq: 13 Mar 2019 20:04

Tgt Ion: 75 Resp: 680
 Ion Ratio Lower Upper
 75 100
 77 39.0 22.0 40.8

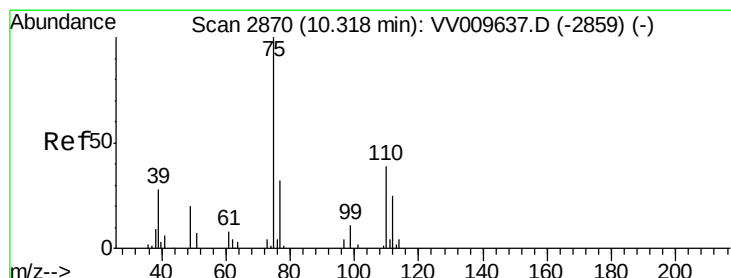
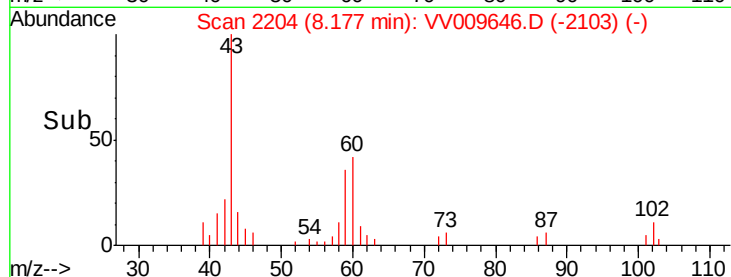
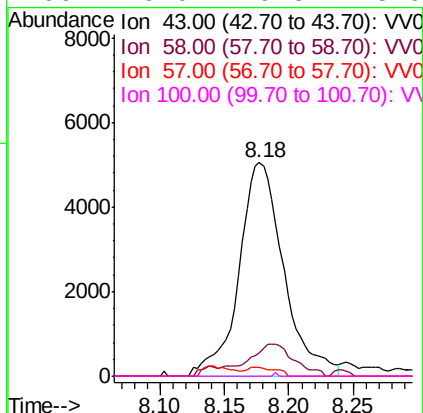
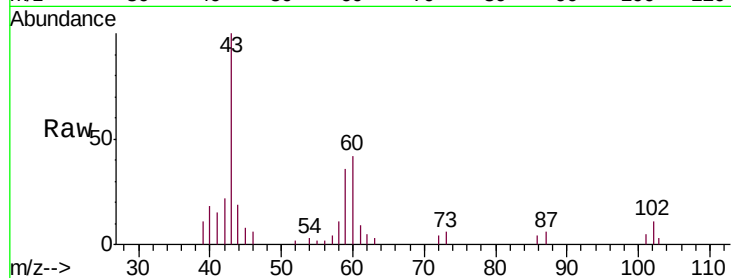




#49
2-Hexanone
Concen: 17.818 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VV009646.D
Acq: 13 Mar 2019 20:04

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
43	100		
58	11.6	44.9	67.3#
57	0.7	14.5	21.7#
100	0.0	9.3	13.9#



#59
1,2,3-Trichloropropane
Concen: 4.081 ug/L
RT: 11.30 min Scan# 3175
Delta R.T. 0.98 min
Lab File: VV009646.D
Acq: 13 Mar 2019 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.6	25.3	37.9#

