

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081419\
 Data File : VV012233.D
 Acq On : 14 Aug 2019 11:22
 Operator : SY/MD
 Sample : K4337-06
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 15 18:09:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Aug 15 18:05:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	218083	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	211451	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	86335	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48745	3.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.60%
7) Chloroethane-d5	1.58	69	41896	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.60%
11) 1,1-Dichloroethene-d2	2.13	63	62077	2.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.40%#
20) 2-Butanone-d5	3.94	46	26256	9.05	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	18.10%#
24) Chloroform-d	4.40	84	94074	3.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.80%
26) 1,2-Dichloroethane-d4	5.08	65	48595	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
32) Benzene-d6	5.10	84	204346	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.40%
36) 1,2-Dichloropropane-d6	6.12	67	61617	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.20%
41) Toluene-d8	7.36	98	172542	3.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.60%
43) trans-1,3-Dichloropropene-	7.67	79	20864	3.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.20%
46) 2-Hexanone-d5	8.13	63	34721	17.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	35.88%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35667	3.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	65.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	59765	4.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.80%

Target Compounds

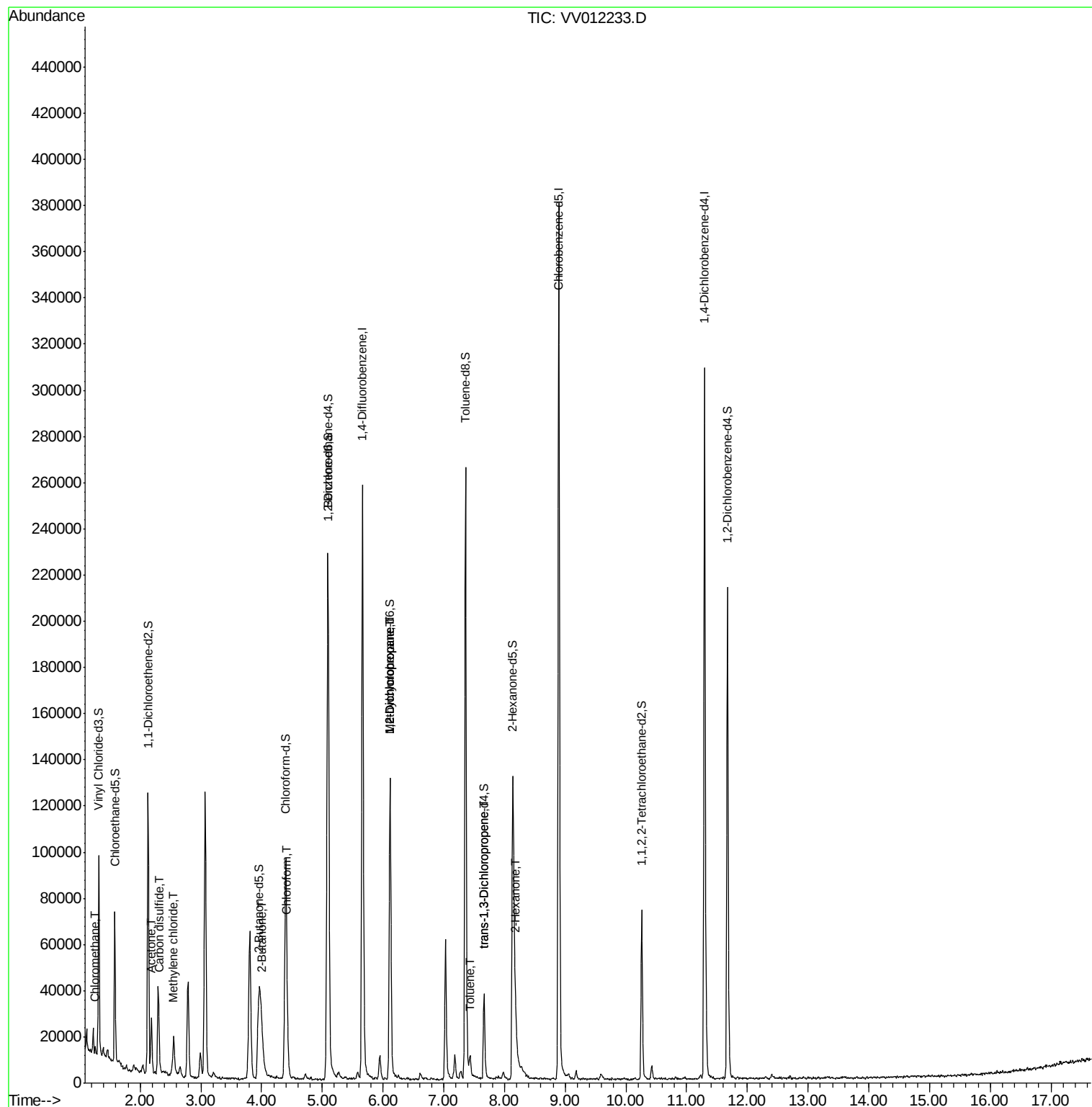
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.26	50	2652	0.140	ug/L	100
13) Acetone	2.19	43	20474	11.322	ug/L	95
14) Carbon disulfide	2.32	76	2666	0.079	ug/L #	76
16) Methylene chloride	2.53	84	1534	0.124	ug/L	93
21) 2-Butanone	4.01	43	23107	6.249	ug/L #	71
25) Chloroform	4.43	83	7823	0.246	ug/L	96
35) Methylcyclohexane	6.12	83	15692	0.585	ug/L #	18
37) 1,2-Dichloropropane	6.11	63	6698	0.421	ug/L #	87
42) Toluene	7.43	91	5066	0.075	ug/L	95
44) trans-1,3-Dichloropropene	7.66	75	893	0.052	ug/L	90
48) 2-Hexanone	8.18	43	14196	2.302	ug/L #	79

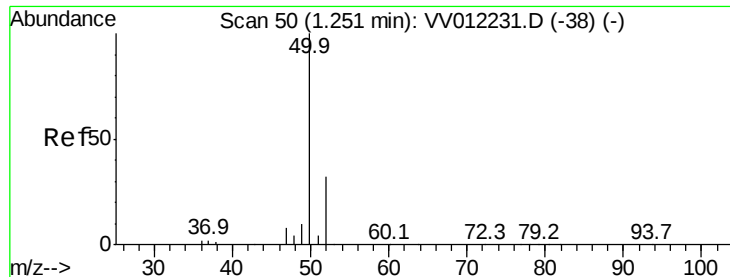
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 15 18:05:57 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.140 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV012233.D

Acq: 14 Aug 2019 11:22

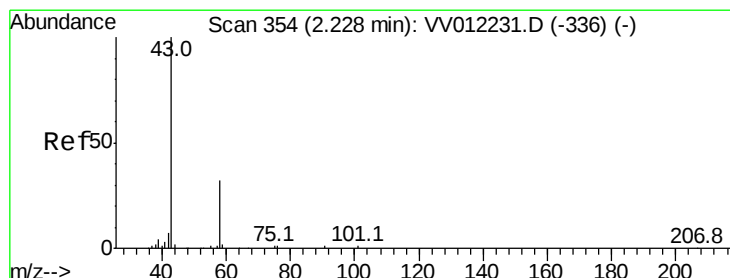
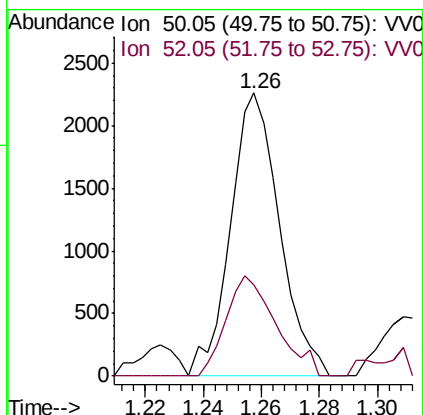
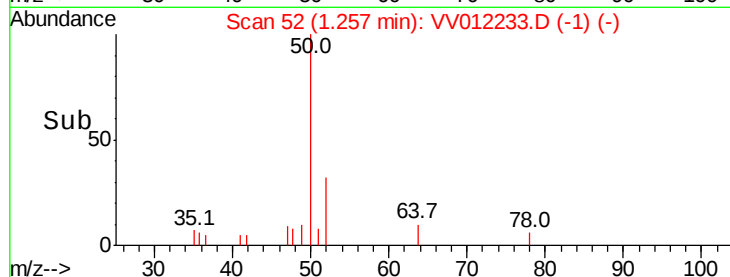
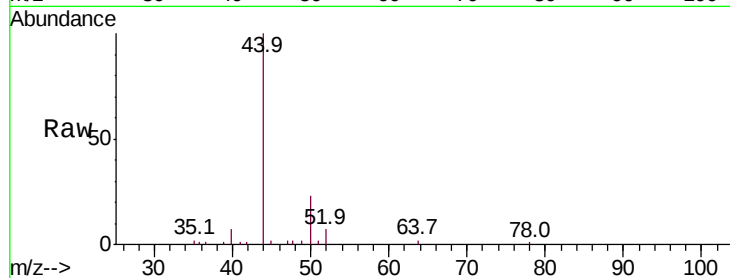
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 50 Resp: 2652

Ion Ratio Lower Upper

50 100

52 32.4 22.6 42.0



#13

Acetone

Concen: 11.322 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.05 min

Lab File: VV012233.D

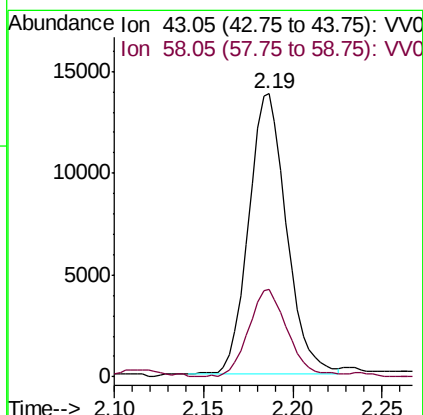
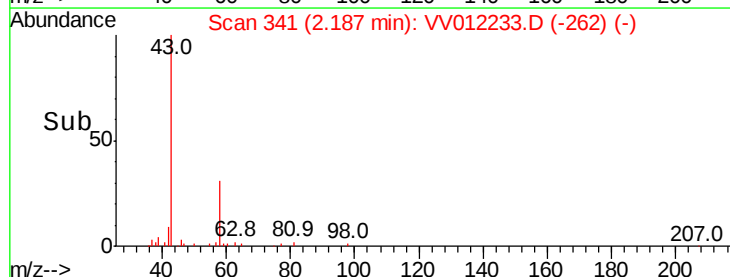
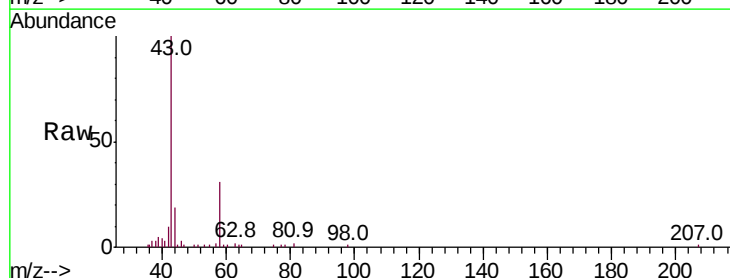
Acq: 14 Aug 2019 11:22

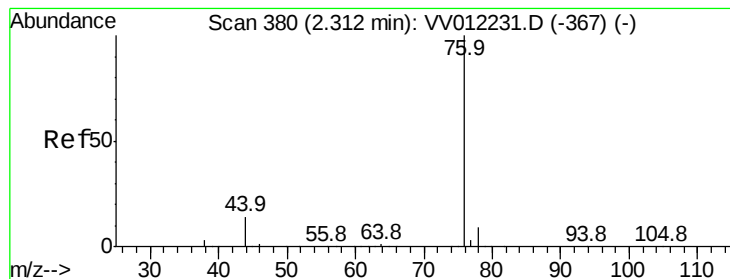
Tgt Ion: 43 Resp: 20474

Ion Ratio Lower Upper

43 100

58 32.5 0.0 59.4





#14

Carbon disulfide

Concen: 0.079 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV012233.D

Acq: 14 Aug 2019 11:22

Instrument :

MSVOA_V

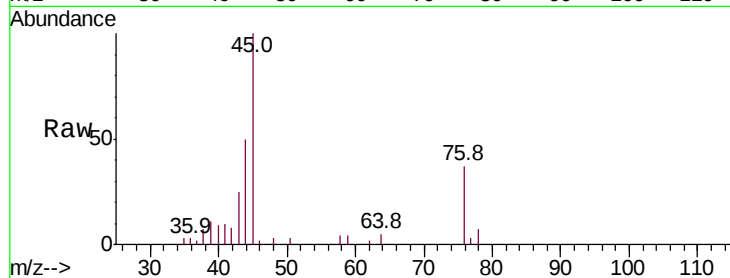
ClientSampled :

Tot Ion: 76 Resp: 2666

Ion Ratio Lower Upper

76 100

78 17.6 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

1500

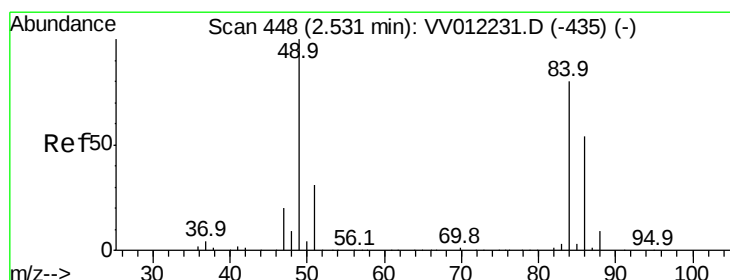
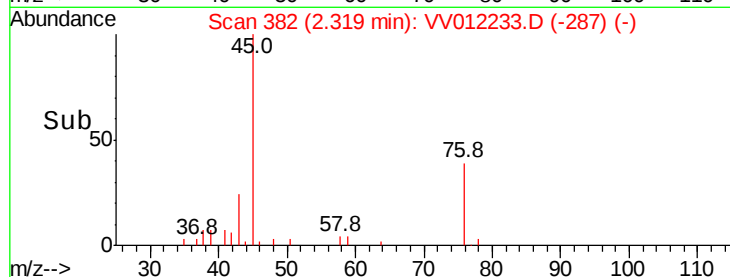
1000

500

0

2.30 2.35

Time-->



#16

Methylene chloride

Concen: 0.124 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV012233.D

Acq: 14 Aug 2019 11:22

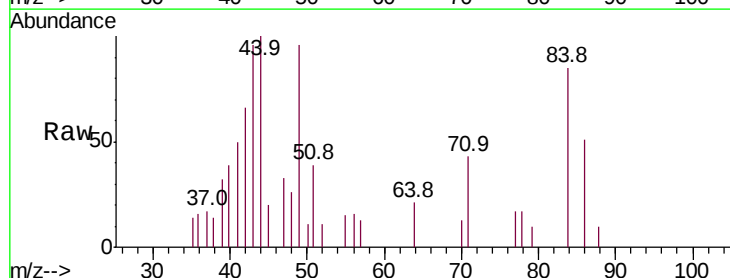
Tgt Ion: 84 Resp: 1534

Ion Ratio Lower Upper

84 100

86 59.8 44.4 82.5

49 111.8 85.1 158.1



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

2.53

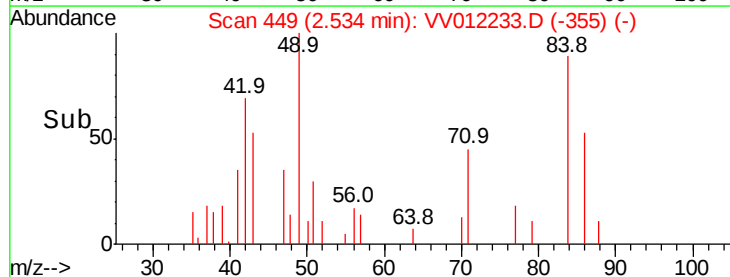
1000

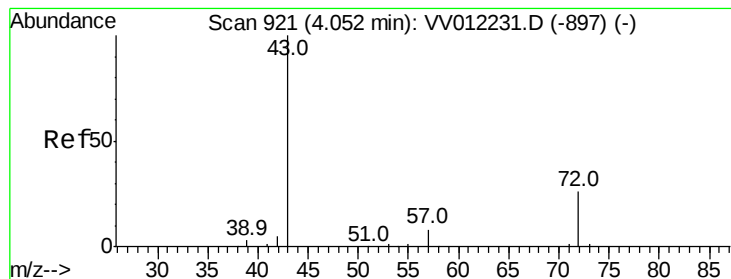
500

0

2.50 2.55

Time-->





#21

2-Butanone

Concen: 6.249 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.04 min

Lab File: VV012233.D

Acq: 14 Aug 2019 11:22

Instrument :

MSVOA_V

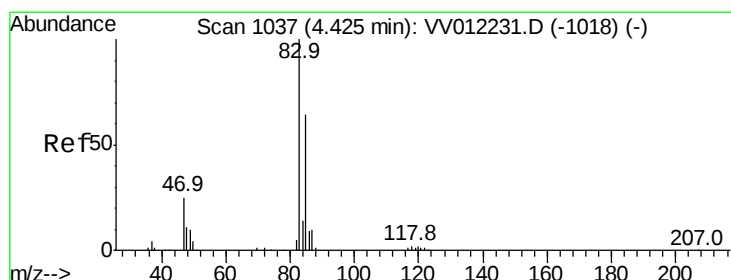
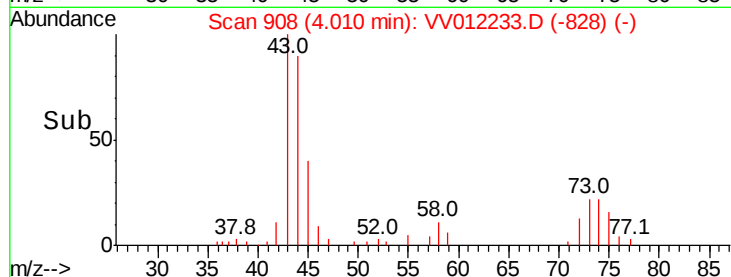
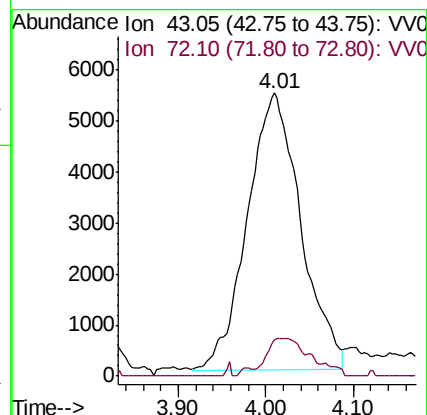
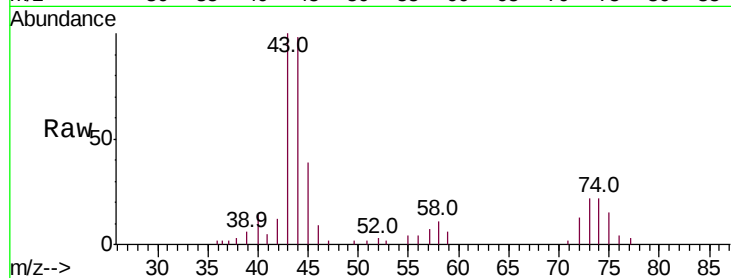
ClientSampleId :

Tot Ion: 43 Resp: 23107

Ion Ratio Lower Upper

43 100

72 11.2 12.9 38.7#



#25

Chloroform

Concen: 0.246 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012233.D

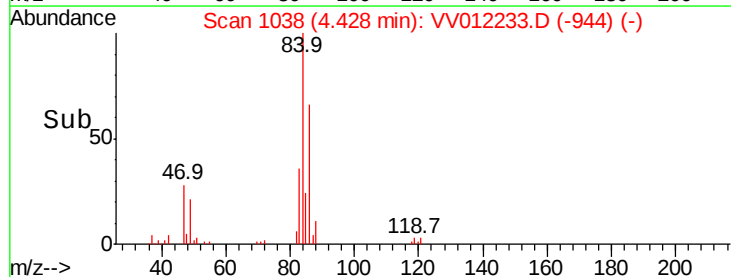
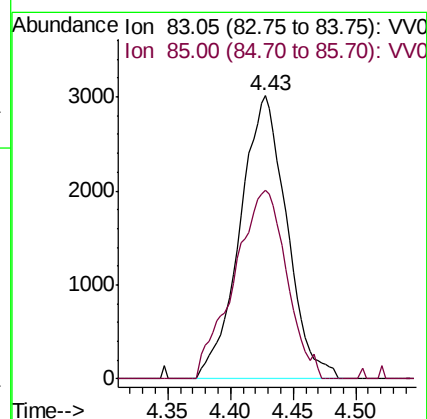
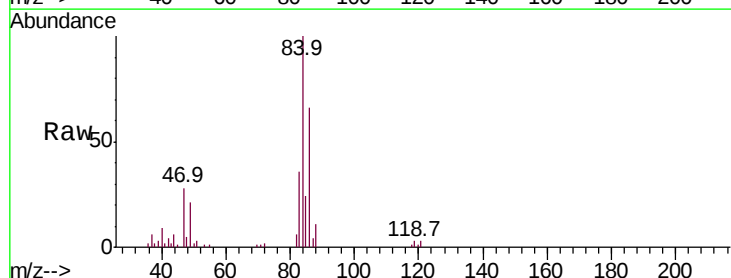
Acq: 14 Aug 2019 11:22

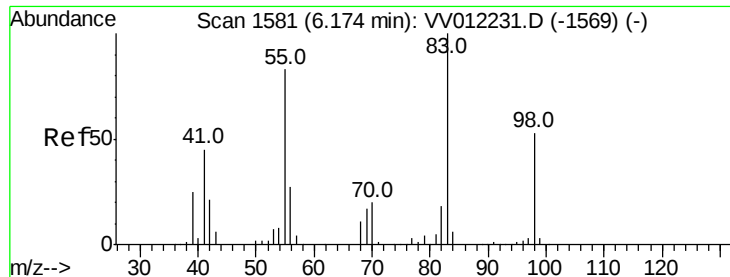
Tgt Ion: 83 Resp: 7823

Ion Ratio Lower Upper

83 100

85 66.5 44.3 82.3

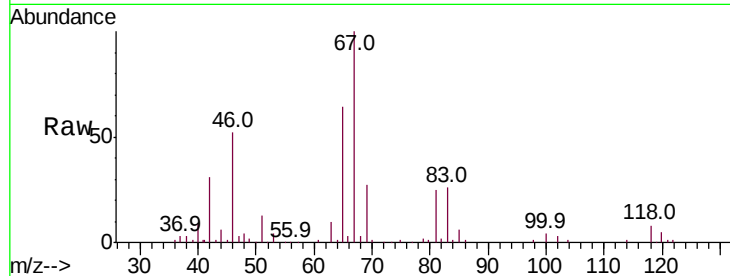




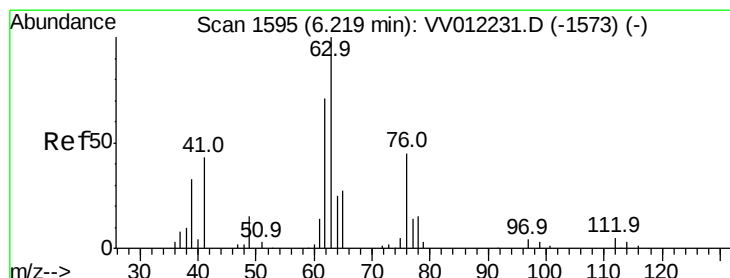
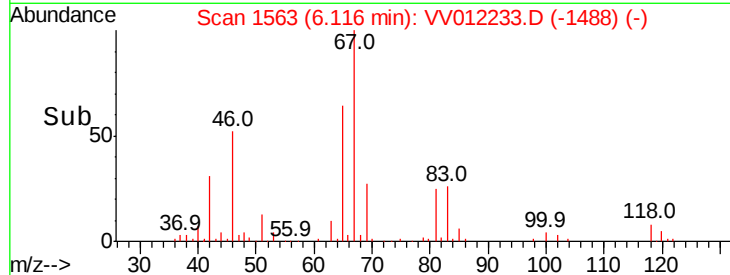
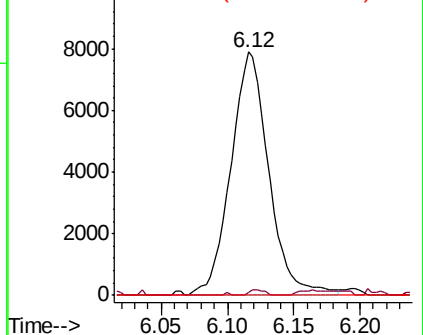
#35
Methvlcvclohexane
Concen: 0.585 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012233.D
Acq: 14 Aug 2019 11:22

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 15692
Ion Ratio Lower Upper
83 100
55 0.8 62.2 93.2#
98 0.0 39.2 58.8#

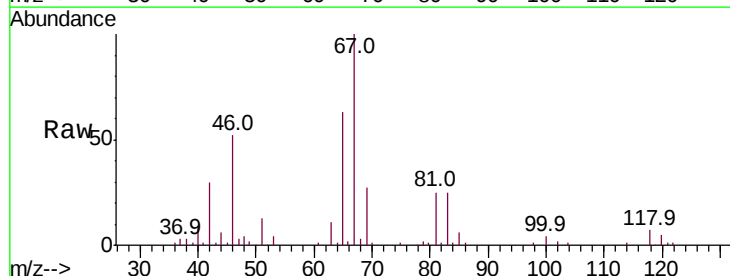


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

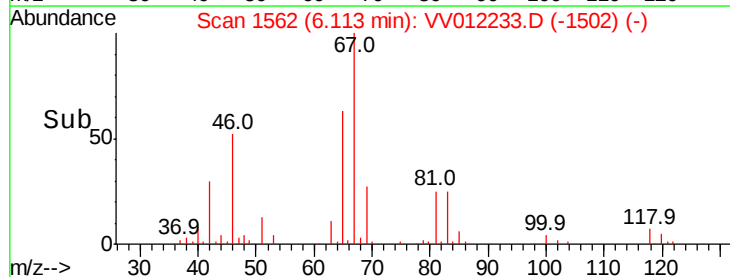
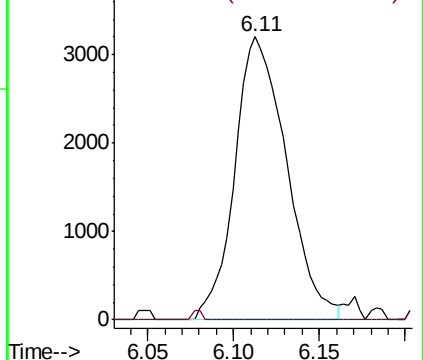


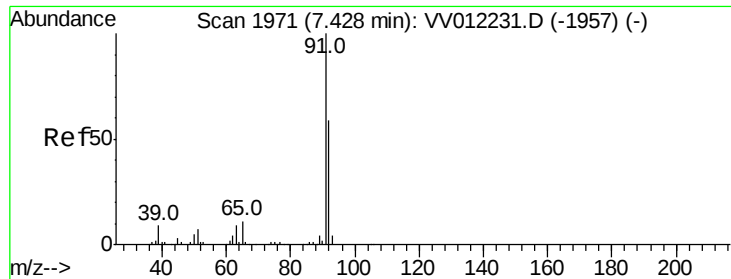
#37
1,2-Dichloropropane
Concen: 0.421 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV012233.D
Acq: 14 Aug 2019 11:22

Tgt Ion: 63 Resp: 6698
Ion Ratio Lower Upper
63 100
112 0.6 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.075 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV012233.D

Acq: 14 Aug 2019 11:22

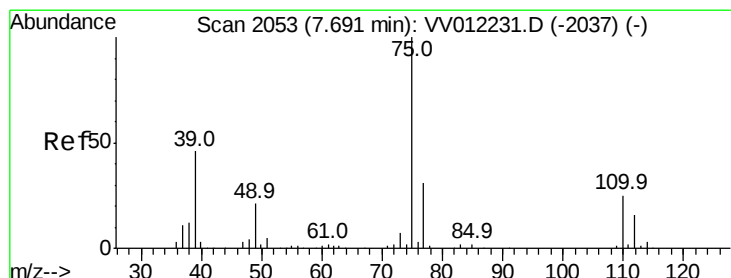
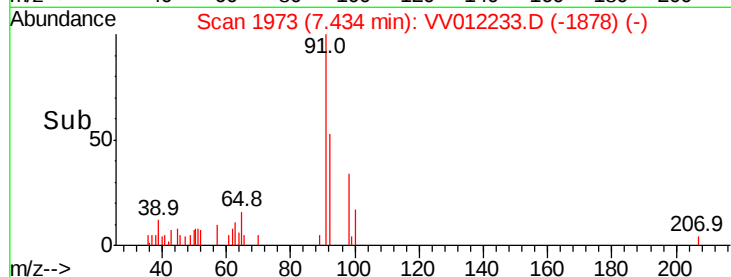
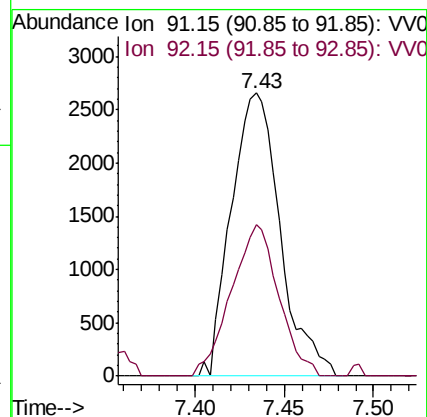
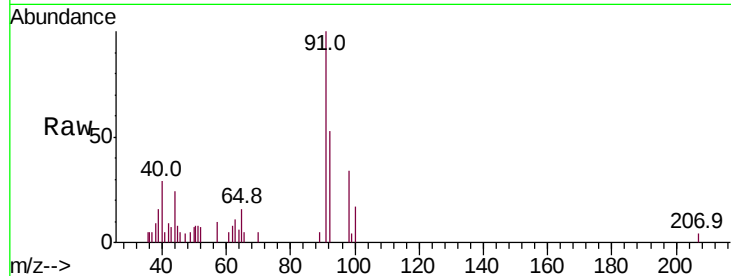
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 5066

Ion Ratio Lower Upper

91 100

92 53.4 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 0.052 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012233.D

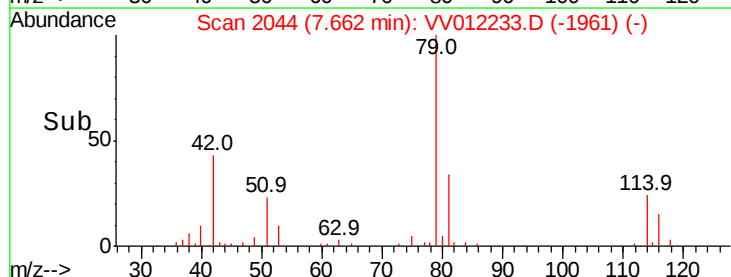
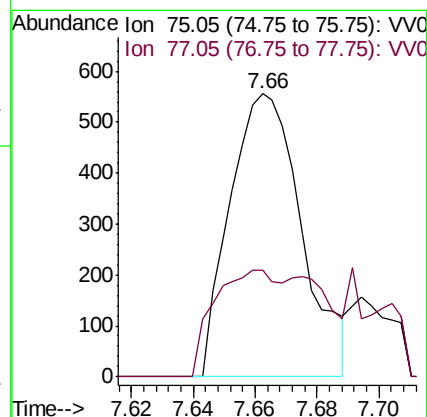
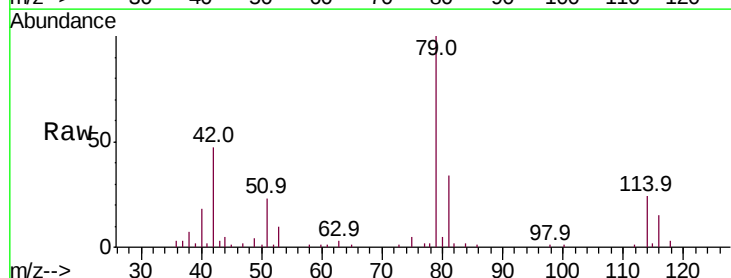
Acq: 14 Aug 2019 11:22

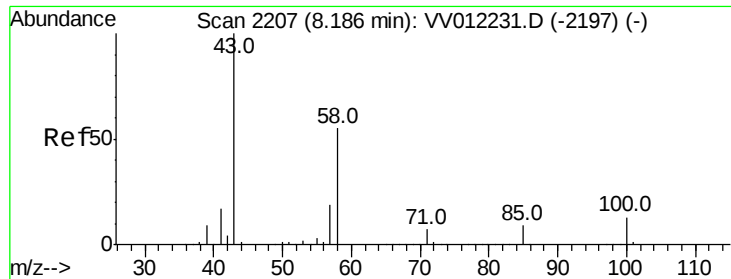
Tgt Ion: 75 Resp: 893

Ion Ratio Lower Upper

75 100

77 37.8 22.5 41.7





#48

2-Hexanone

Concen: 2.302 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV012233.D

Acq: 14 Aug 2019 11:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 14196

Ion Ratio Lower Upper

43 100

58 34.2 43.0 64.4#

57 15.7 14.9 22.3

100 6.1 10.3 15.5#

