

Data File : VV012302.D
Acq On : 20 Aug 2019 02:50
Operator : SY/MD
Sample : K4373-21
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AH8

Quant Time: Aug 20 04:49:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 20 02:35:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	131477	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	120566	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	66155	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26894	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.58	69	21613	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.13	63	41342	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	3.95	46	100593	55.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.08%
24) Chloroform-d	4.40	84	82031	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.08	65	46300	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.10	84	157650	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.12	67	44595	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.36	98	143993	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	7.67	79	19186	4.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.00%
46) 2-Hexanone-d5	8.13	63	77449	63.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.74%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	34835	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	65116	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	850	0.104 ug/L	100
6) Bromomethane	1.54	94	432	0.097 ug/L	87
13) Acetone	2.21	43	8503	8.975 ug/L #	66
14) Carbon disulfide	2.32	76	2930	0.175 ug/L	95
15) Methyl Acetate	2.41	43	688	0.366 ug/L #	44
16) Methylene chloride	2.53	84	734	0.117 ug/L #	82
25) Chloroform	4.42	83	3100	0.164 ug/L	90
27) 1,2-Dichloroethane	5.10	62	1075	0.099 ug/L #	74
35) Methylcyclohexane	6.12	83	11700	0.799 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	5258	0.674 ug/L #	81
39) cis-1,3-Dichloropropene	7.04	75	1365	0.110 ug/L #	70
42) Toluene	7.43	91	4475	0.121 ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	748	0.076 ug/L #	32
48) 2-Hexanone	8.19	43	2559	0.868 ug/L #	78
52) Ethylbenzene	9.05	91	2795	0.068 ug/L	100
53) m,p-xylene	9.18	106	1719	0.107 ug/L	95
69) Naphthalene	13.55	128	195803	10.600 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 20 02:35:23 2019
Response via : Initial Calibration

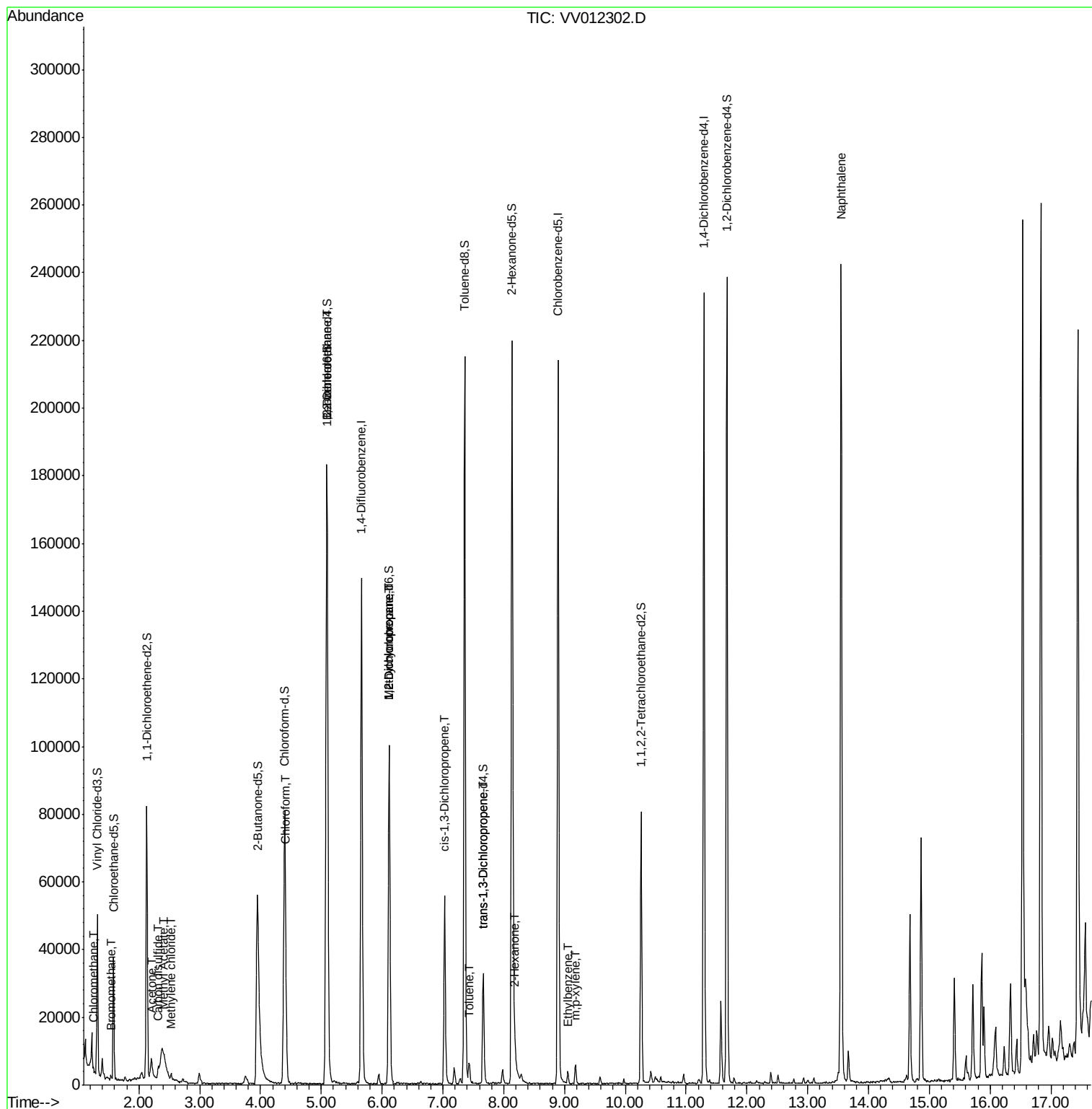
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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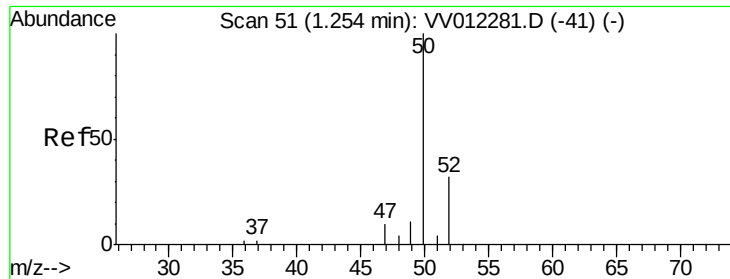
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.104 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012302.D

Acq: 20 Aug 2019 02:50

Instrument :

MSVOA_V

ClientSampled :

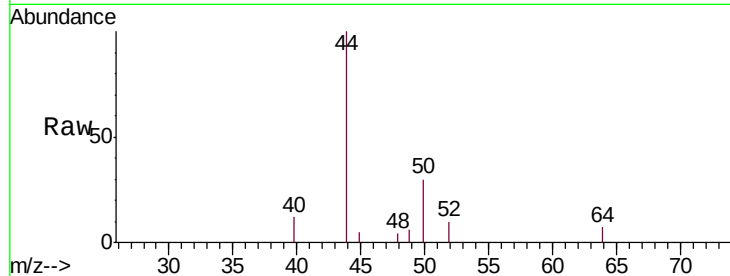
C0AH8

Tgt Ion: 50 Resp: 850

Ion Ratio Lower Upper

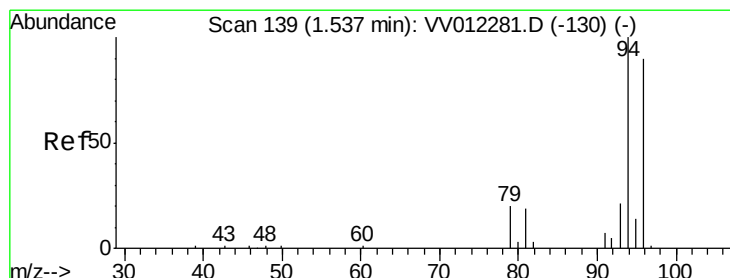
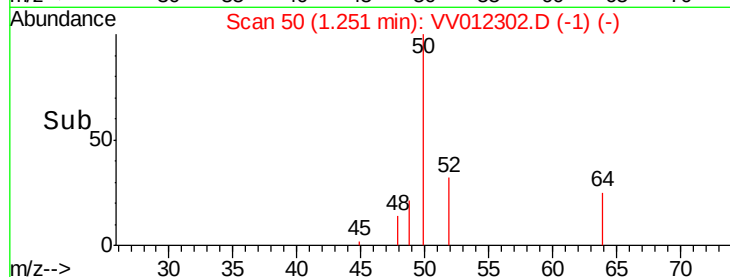
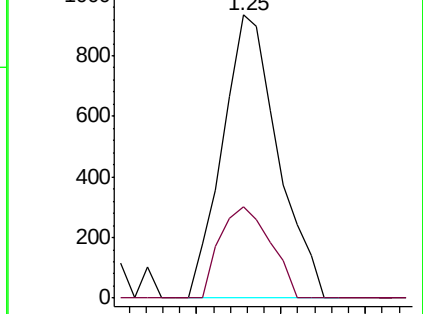
50 100

52 32.1 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#6

Bromomethane

Concen: 0.097 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012302.D

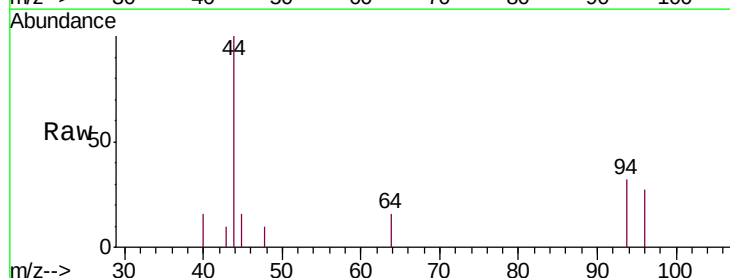
Acq: 20 Aug 2019 02:50

Tgt Ion: 94 Resp: 432

Ion Ratio Lower Upper

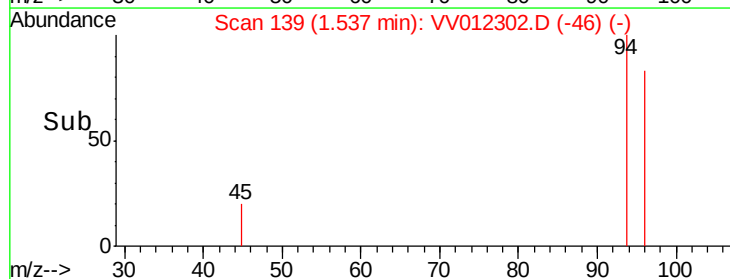
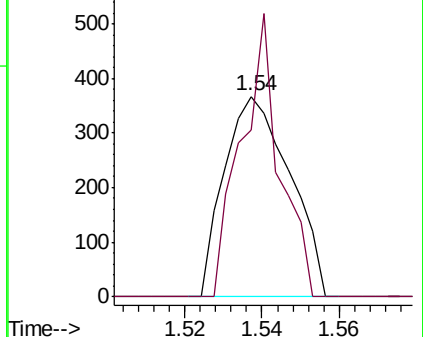
94 100

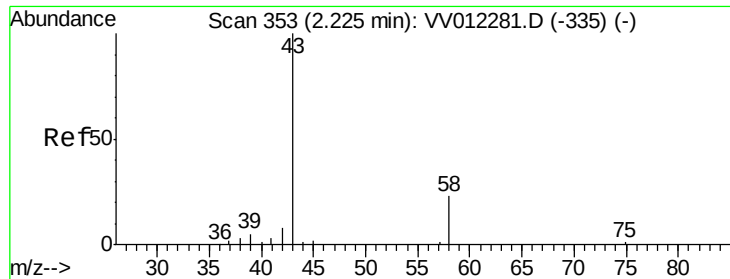
96 83.4 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#13

Acetone

Concen: 8.975 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.02 min

Lab File: VV012302.D

Acq: 20 Aug 2019 02:50

Instrument :

MSVOA_V

ClientSampleId :

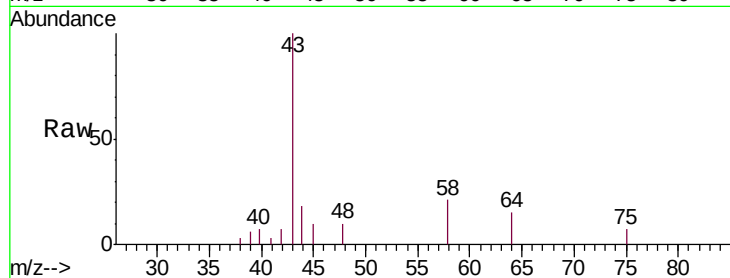
C0AH8

Tgt Ion: 43 Resp: 8503

Ion Ratio Lower Upper

43 100

58 26.2 0.0 25.6#



Abundance Ion 43.05 (42.75 to 43.75): VV012281.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV012281.D (-335) (-)

2.21

4000

3000

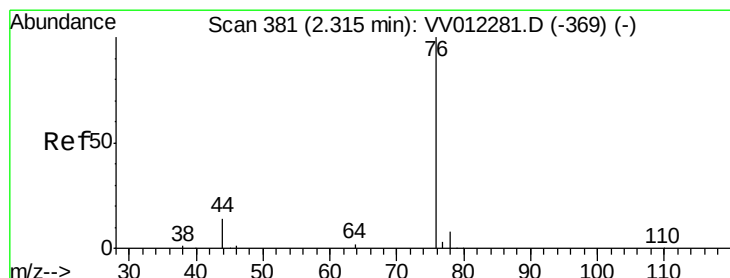
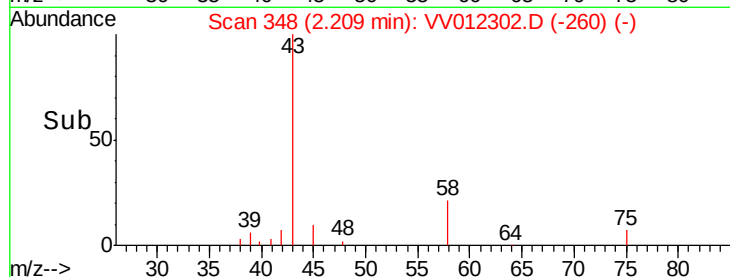
2000

1000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 0.175 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012302.D

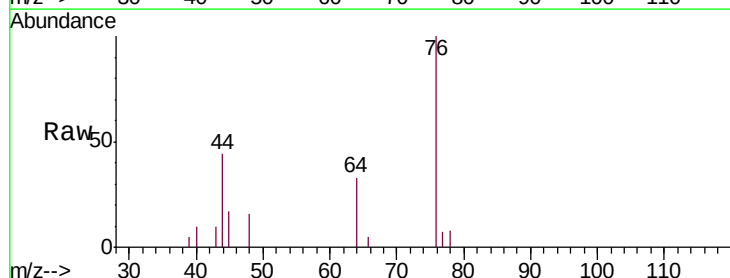
Acq: 20 Aug 2019 02:50

Tgt Ion: 76 Resp: 2930

Ion Ratio Lower Upper

76 100

78 8.5 8.3 12.5



Abundance Ion 76.05 (75.75 to 76.75): VV012281.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012281.D (-369) (-)

2.32

2500

2000

1500

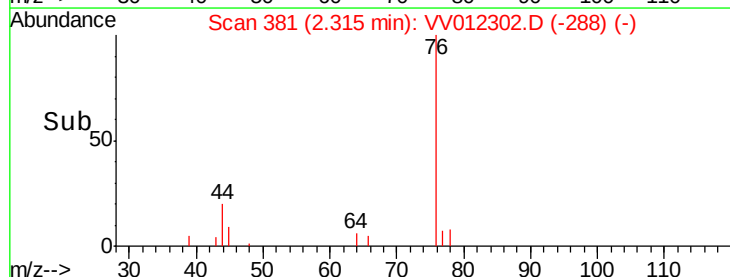
1000

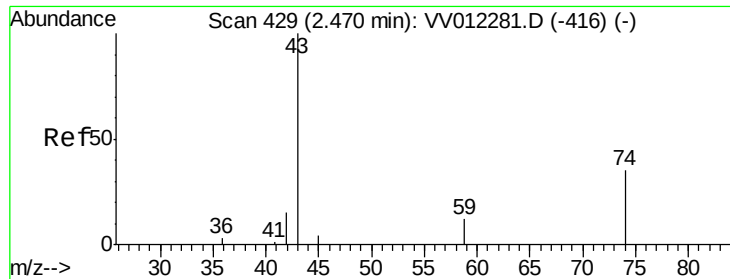
500

0

Time-->

2.30 2.35





#15

Methyl Acetate

Concen: 0.366 ug/L

RT: 2.41 min Scan# 412

Delta R.T. -0.05 min

Lab File: VV012302.D

Acq: 20 Aug 2019 02:50

Instrument :

MSVOA_V

ClientSampled :

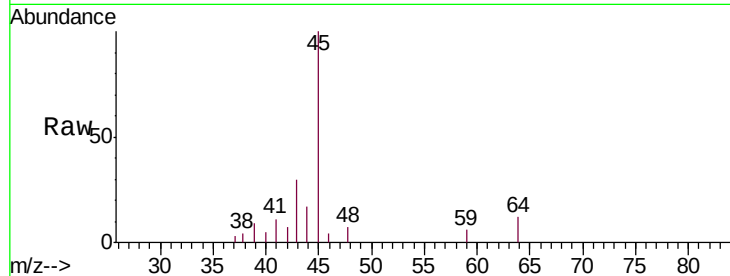
C0AH8

Tgt Ion: 43 Resp: 688

Ion Ratio Lower Upper

43 100

74 0.0 24.9 37.3#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

1500

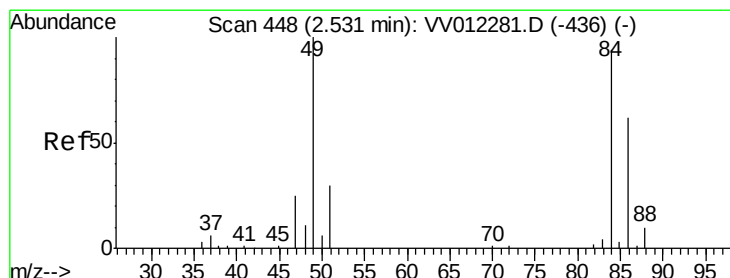
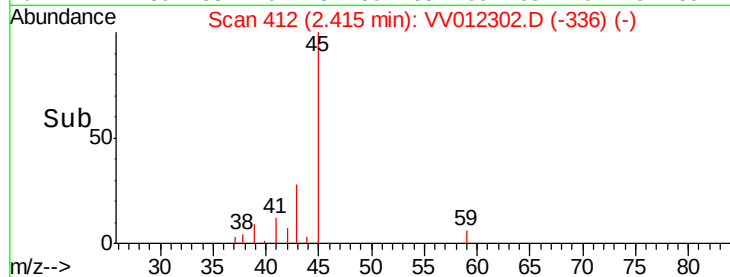
1000

500

0

2.40 2.42 2.44 2.46

Time-->



#16

Methylene chloride

Concen: 0.117 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV012302.D

Acq: 20 Aug 2019 02:50

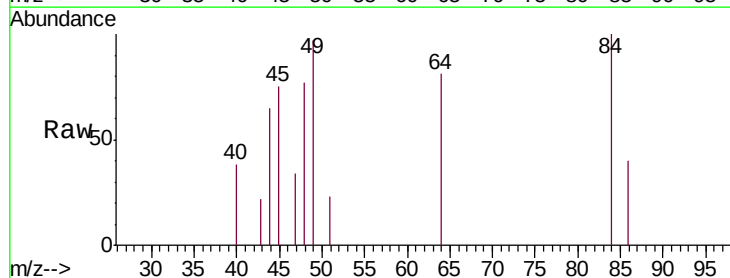
Tgt Ion: 84 Resp: 734

Ion Ratio Lower Upper

84 100

86 39.9 49.5 91.9#

49 97.4 72.1 133.9



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

600

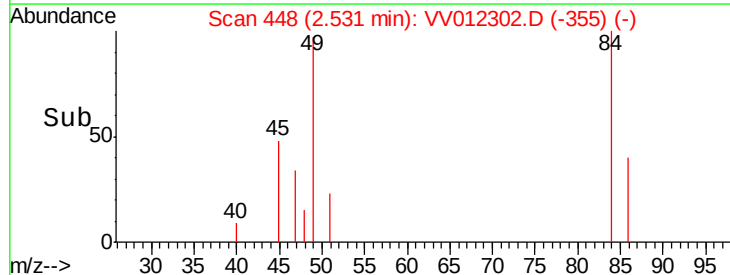
400

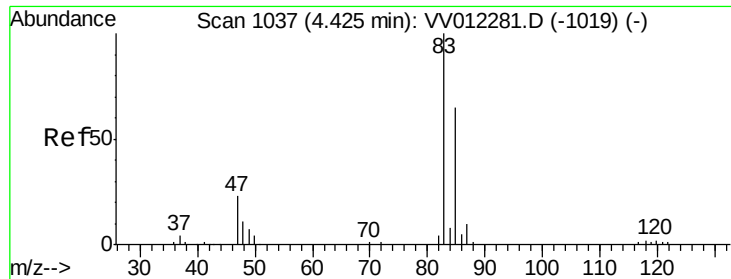
200

0

2.50 2.52 2.54 2.56

Time-->

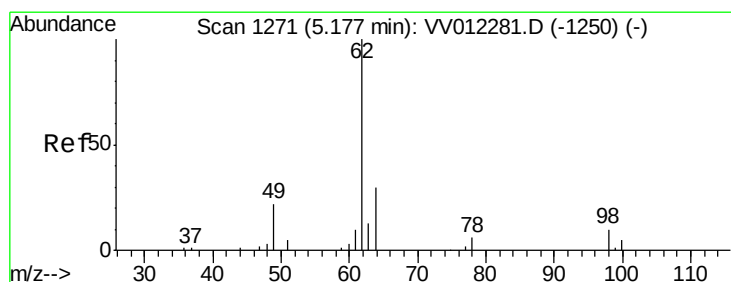
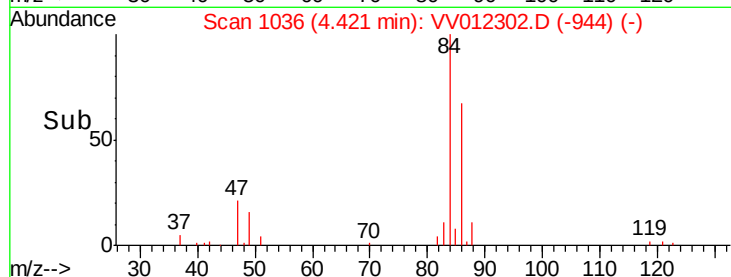
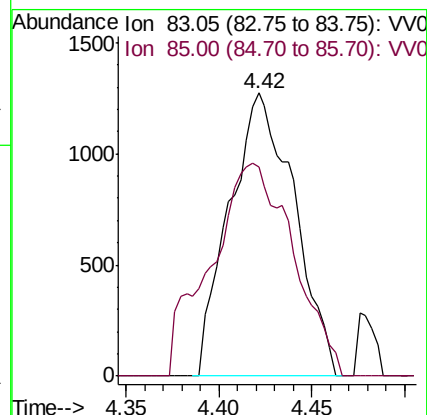
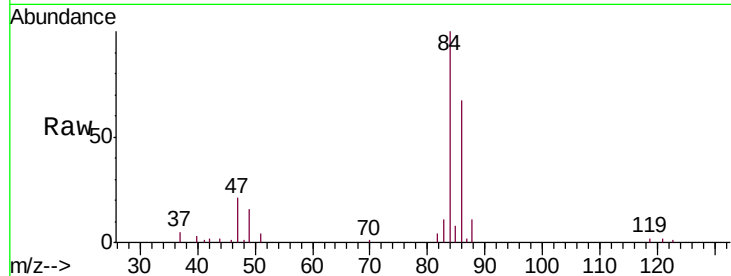




#25
Chloroform
Concen: 0.164 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012302.D
Acq: 20 Aug 2019 02:50

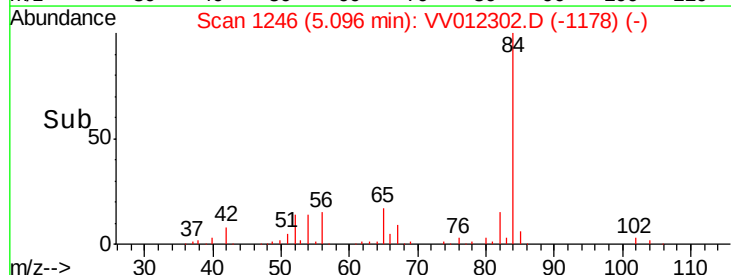
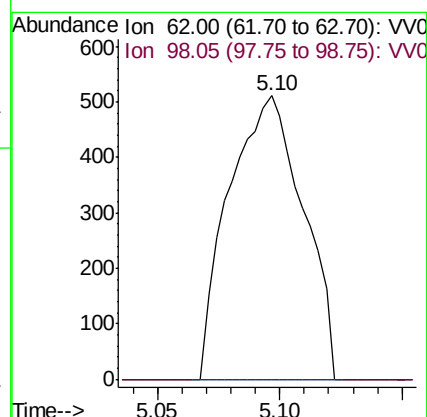
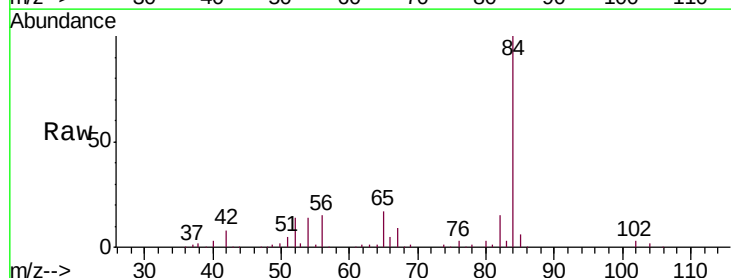
Instrument :
MSVOA_V
ClientSampled :
C0AH8

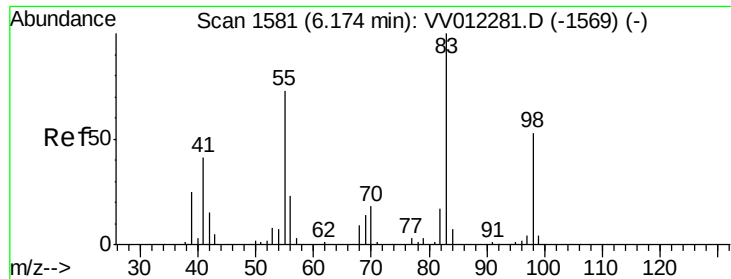
Tgt Ion: 83 Resp: 3100
Ion Ratio Lower Upper
83 100
85 73.8 46.1 85.5



#27
1,2-Dichloroethane
Concen: 0.099 ug/L
RT: 5.10 min Scan# 1246
Delta R.T. -0.08 min
Lab File: VV012302.D
Acq: 20 Aug 2019 02:50

Tgt Ion: 62 Resp: 1075
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#

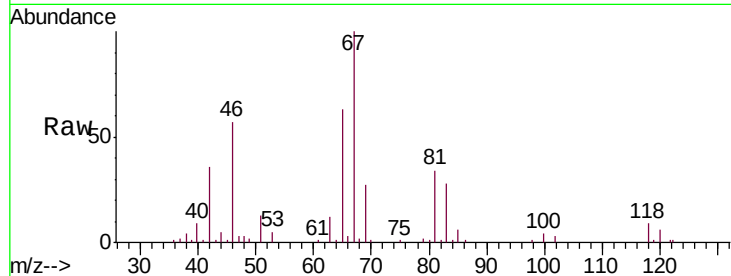




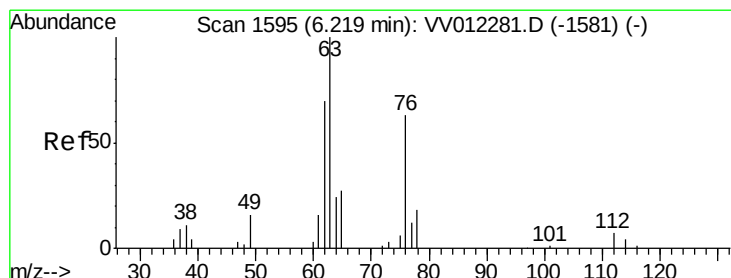
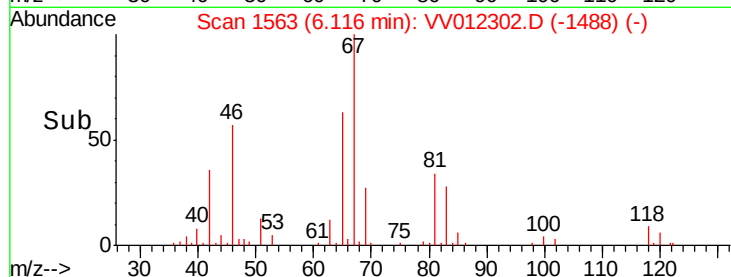
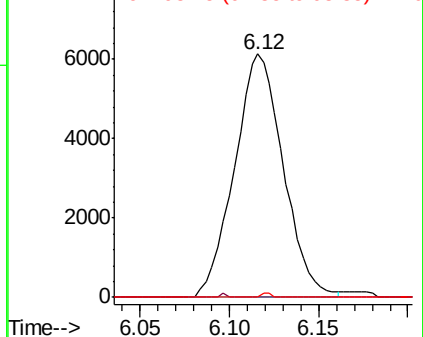
#35
Methylcyclohexane
Concen: 0.799 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012302.D
Acq: 20 Aug 2019 02:50

Instrument :
MSVOA_V
ClientSampleId :
C0AH8

Tgt Ion: 83 Resp: 11700
Ion Ratio Lower Upper
83 100
55 0.2 57.3 85.9#
98 0.4 40.3 60.5#

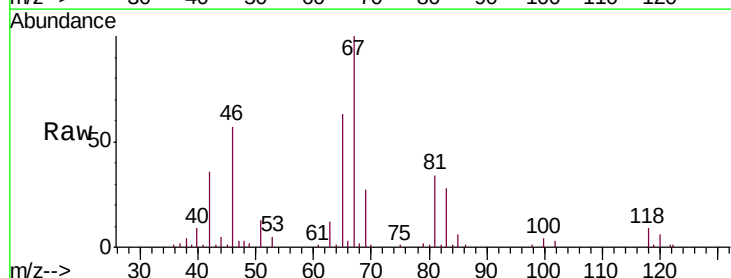


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

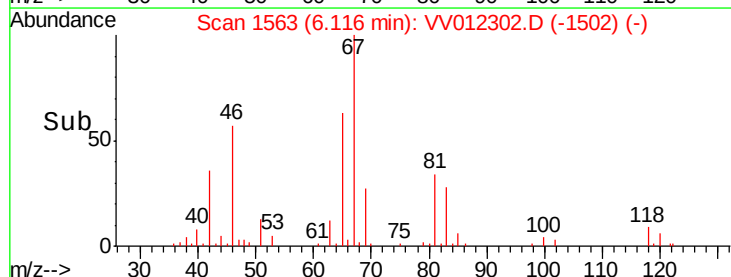
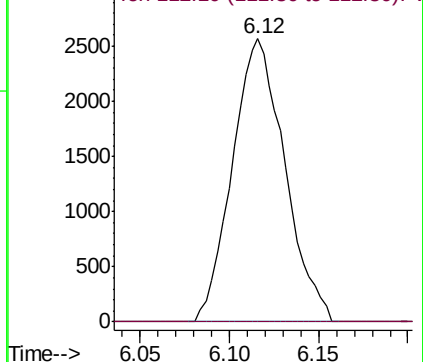


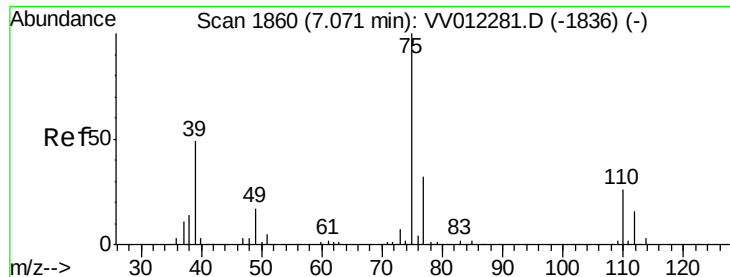
#37
1,2-Dichloropropane
Concen: 0.674 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012302.D
Acq: 20 Aug 2019 02:50

Tgt Ion: 63 Resp: 5258
Ion Ratio Lower Upper
63 100
112 0.0 5.1 7.7#



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

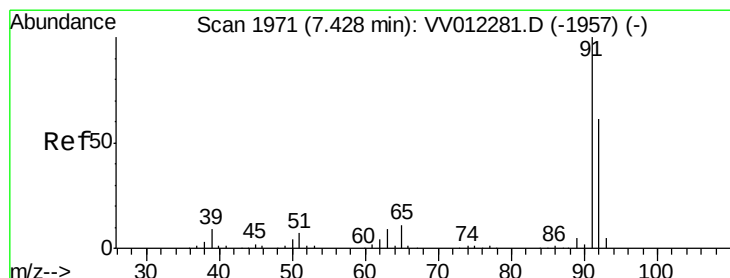
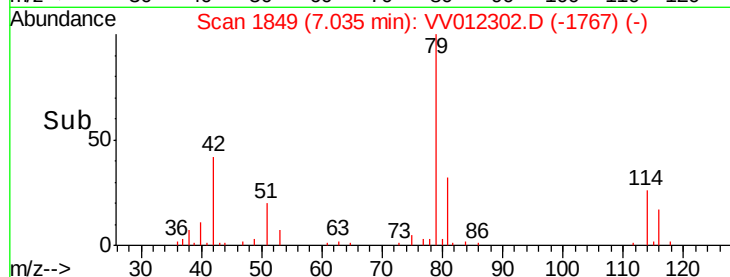
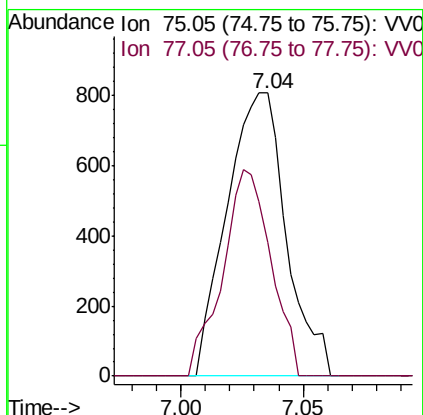
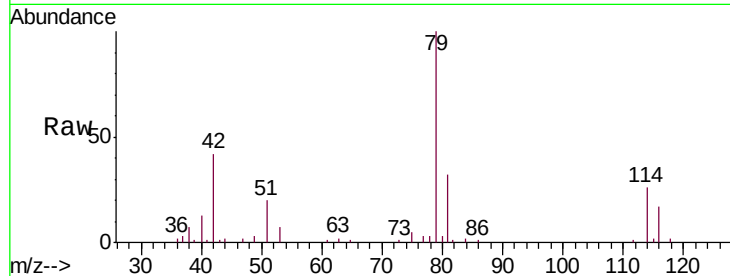




#39
 cis-1,3-Dichloropropene
 Concen: 0.110 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV012302.D
 Acq: 20 Aug 2019 02:50

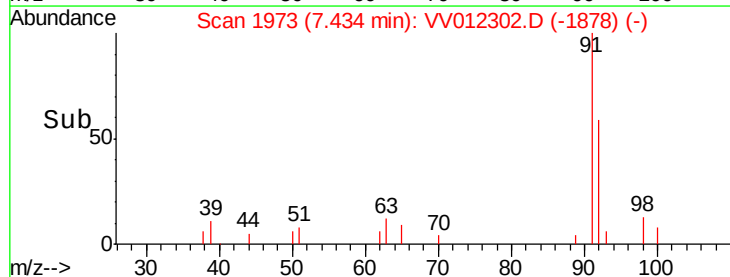
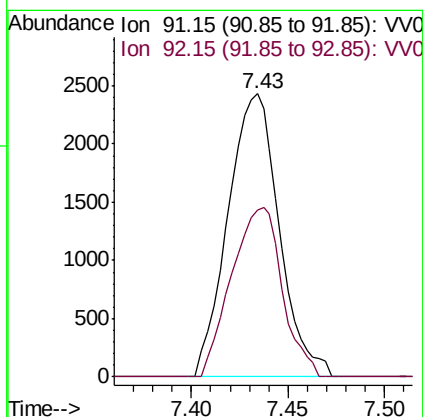
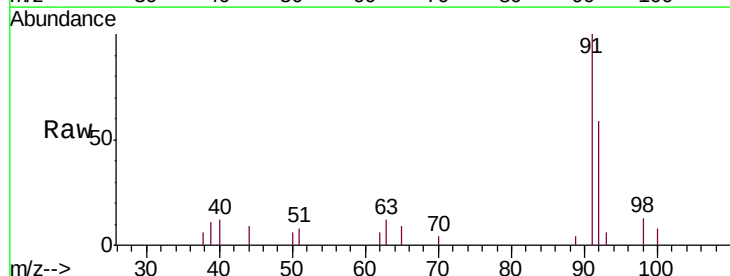
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AH8

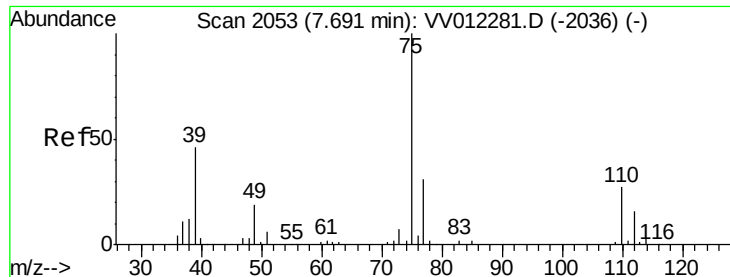
Tgt Ion: 75 Resp: 1365
 Ion Ratio Lower Upper
 75 100
 77 47.3 21.5 39.9#



#42
 Toluene
 Concen: 0.121 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VV012302.D
 Acq: 20 Aug 2019 02:50

Tgt Ion: 91 Resp: 4475
 Ion Ratio Lower Upper
 91 100
 92 58.8 41.6 77.3





#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. -0.04 min

Lab File: VV012302.D

Acq: 20 Aug 2019 02:50

Instrument :

MSVOA_V

ClientSampled :

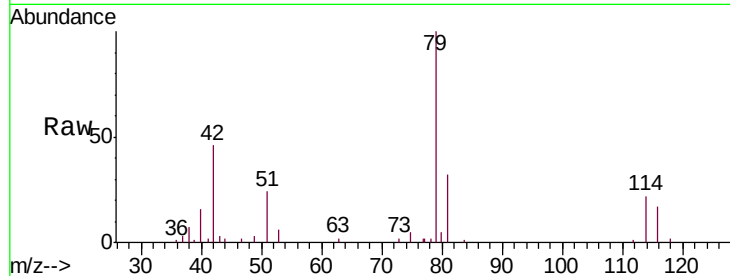
C0AH8

Tgt Ion: 75 Resp: 748

Ion Ratio Lower Upper

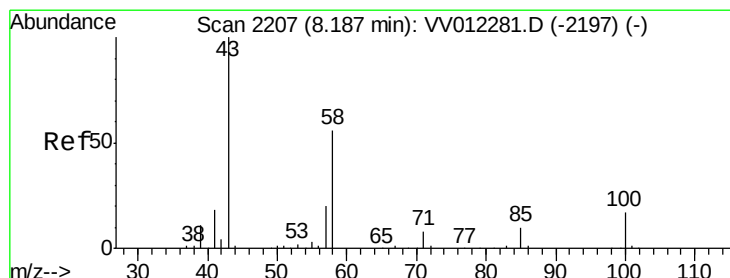
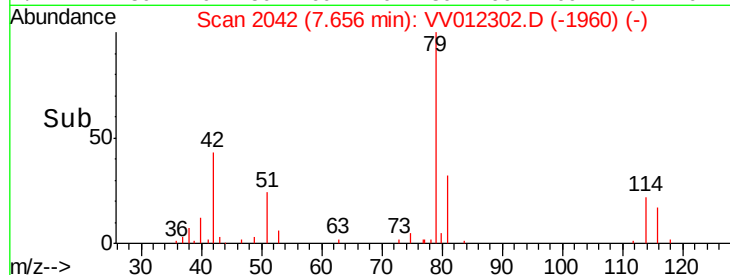
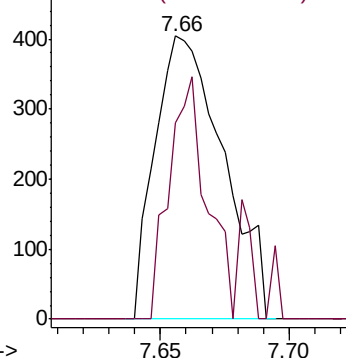
75 100

77 69.3 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 0.868 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VV012302.D

Acq: 20 Aug 2019 02:50

Tgt Ion: 43 Resp: 2559

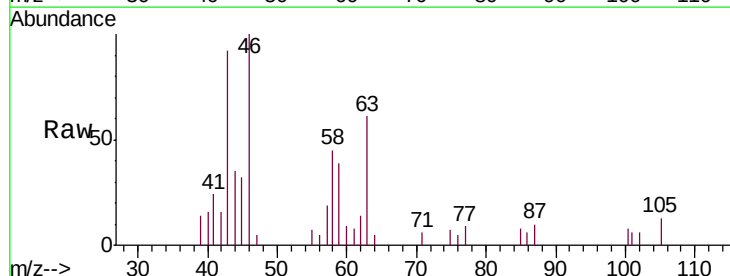
Ion Ratio Lower Upper

43 100

58 72.7 45.4 68.2#

57 32.9 16.8 25.2#

100 6.1 12.2 18.2#

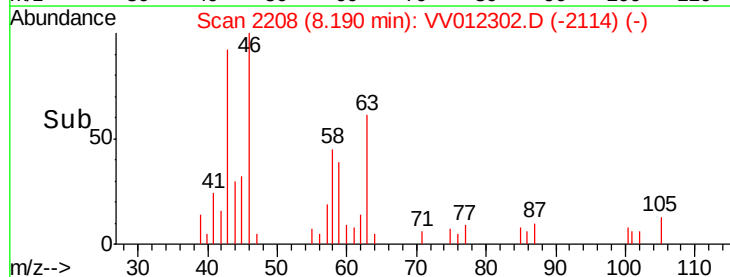
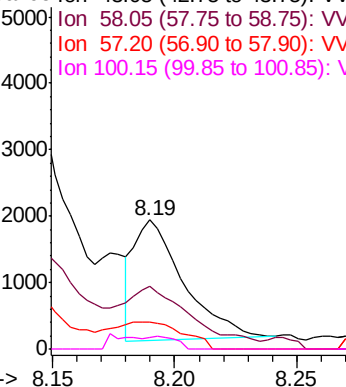


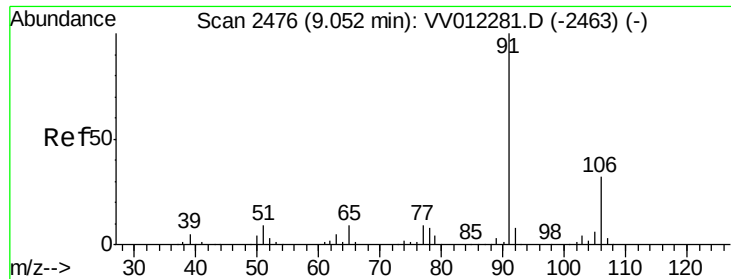
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

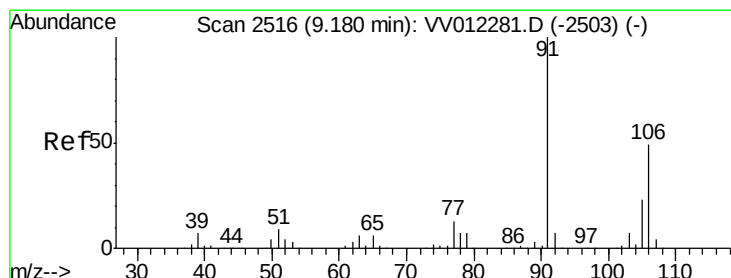
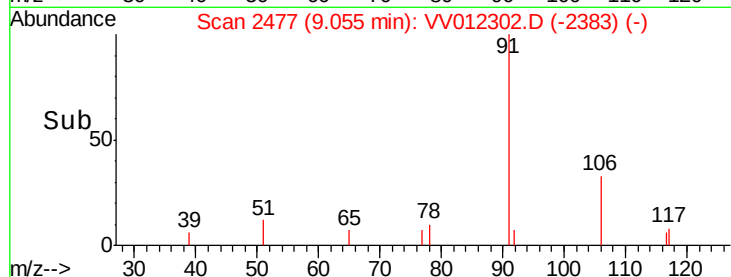
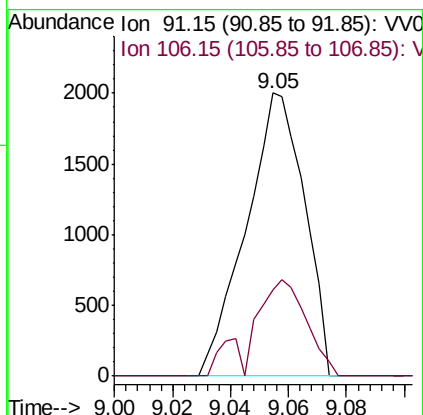
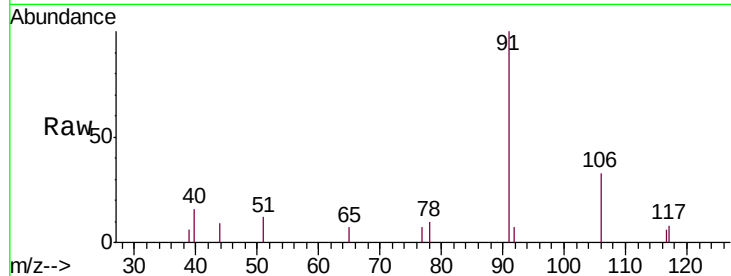




#52
 Ethylbenzene
 Concen: 0.068 ug/L
 RT: 9.05 min Scan# 2477
 Delta R.T. 0.00 min
 Lab File: VV012302.D
 Acq: 20 Aug 2019 02:50

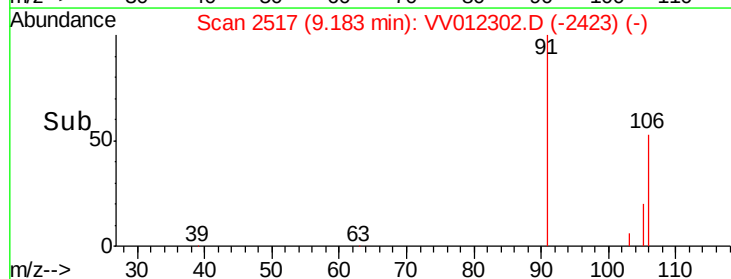
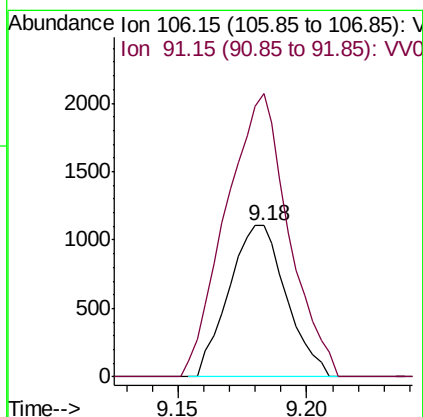
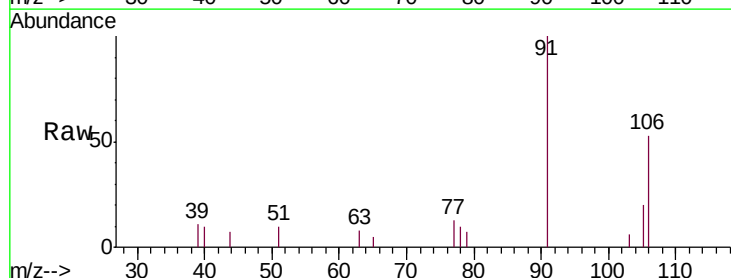
Instrument :
 MSVOA_V
 ClientSampled :
 C0AH8

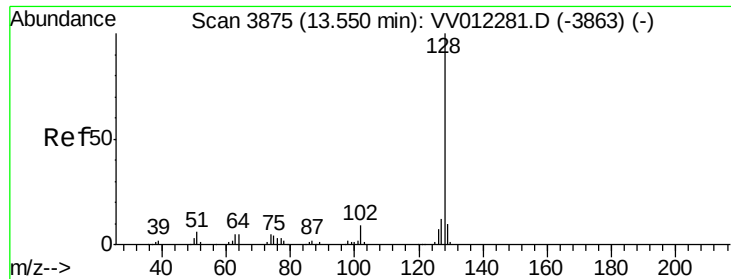
Tgt Ion: 91 Resp: 2795
 Ion Ratio Lower Upper
 91 100
 106 30.7 21.6 40.0



#53
 m,p-xylene
 Concen: 0.107 ug/L
 RT: 9.18 min Scan# 2517
 Delta R.T. 0.00 min
 Lab File: VV012302.D
 Acq: 20 Aug 2019 02:50

Tgt Ion: 106 Resp: 1719
 Ion Ratio Lower Upper
 106 100
 91 187.0 136.0 252.6





#69

Naphthalene

Concen: 10.600 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012302.D

Acq: 20 Aug 2019 02:50

Instrument :

MSVOA_V

ClientSampleId :

C0AH8

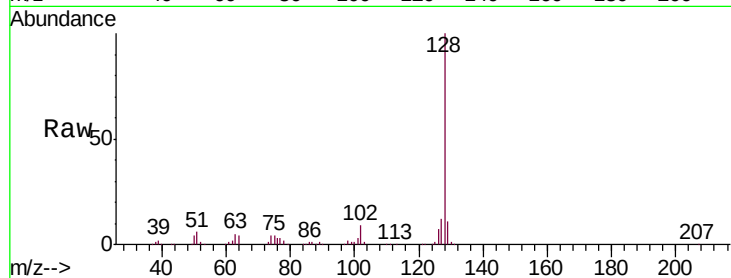
Tgt Ion:128 Resp: 195803

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

127 13.2 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

