

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050620\
 Data File : VV015910.D
 Acq On : 06 May 2020 15:20
 Operator : SY/MD
 Sample : L2517-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 07 02:04:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 07 02:01:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	153469	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	147790	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	70469	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	43712	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.58	69	39802	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.12	63	67158	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	3.96	46	122025	49.87	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.74%
24) Chloroform-d	4.38	84	93562	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.06	65	52371	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.07	84	181166	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.10	67	55480	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.34	98	163207	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.64	79	18558	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.12	63	94078	47.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.78%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	36935	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	11.65	152	60424	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.12	96	650	0.076	ug/L #	1
13) Acetone	2.24	43	10181	6.757	ug/L	90
15) Methyl Acetate	2.54	43	229686	65.517	ug/L #	51
16) Methylene chloride	2.54	84	2498	0.206	ug/L #	1
19) 1,1-Dichloroethane	3.06	63	2156	0.117	ug/L #	7
21) 2-Butanone	4.14	43	9375	3.724	ug/L #	57
25) Chloroform	4.41	83	4954	0.247	ug/L	89
30) Cyclohexane	4.70	56	31627	1.833	ug/L	97
35) Methylcyclohexane	6.09	83	14008	0.812	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	7150	0.738	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1692	0.124	ug/L #	64
42) Toluene	7.41	91	4635	0.112	ug/L	97
44) trans-1,3-Dichloropropene	7.65	75	1059	0.092	ug/L #	63
48) 2-Hexanone	8.17	43	3945	0.914	ug/L #	55
53) m,p-xylene	9.16	106	1726	0.098	ug/L	86
69) Naphthalene	13.53	128	10415	0.495	ug/L	97

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 07 02:01:25 2020
Response via : Initial Calibration

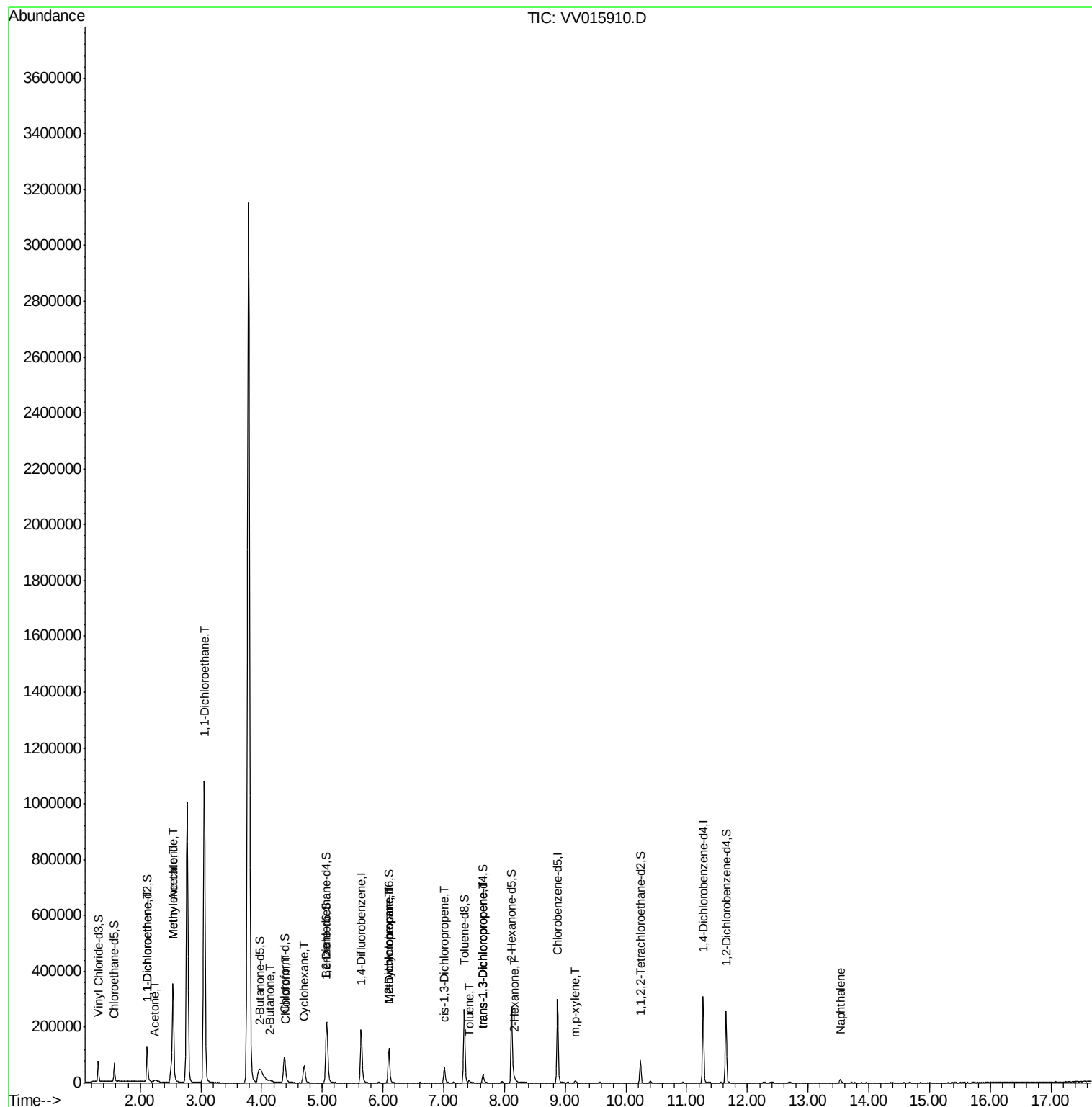
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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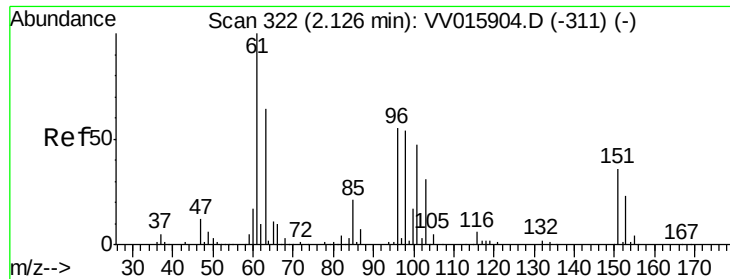
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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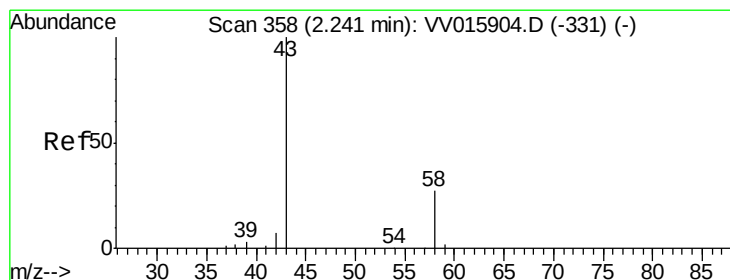
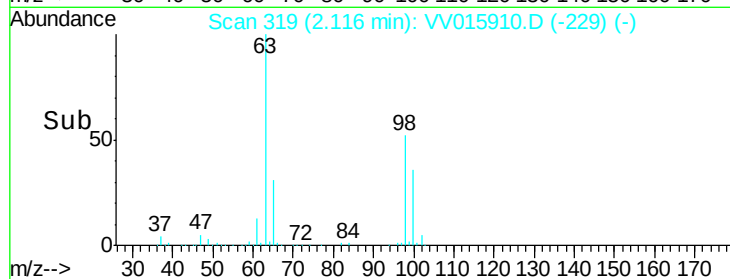
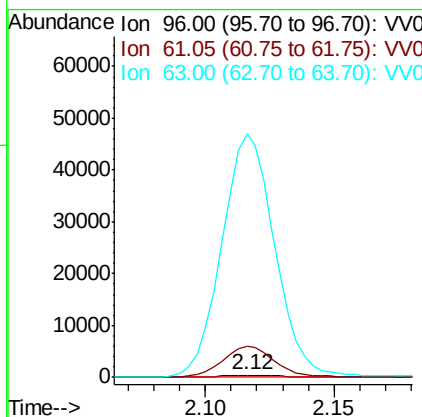
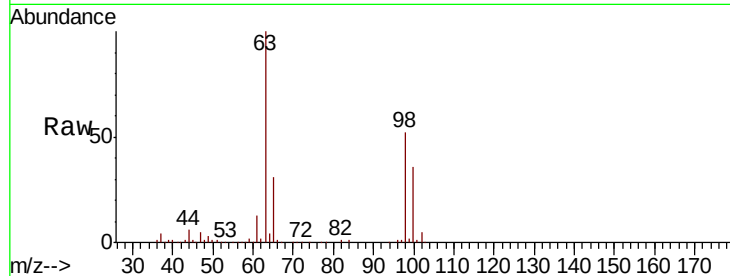




#12
 1,1-Dichloroethene
 Concen: 0.076 ug/L
 RT: 2.12 min Scan# 319
 Delta R.T. -0.01 min
 Lab File: VV015910.D
 Acq: 06 May 2020 15:20

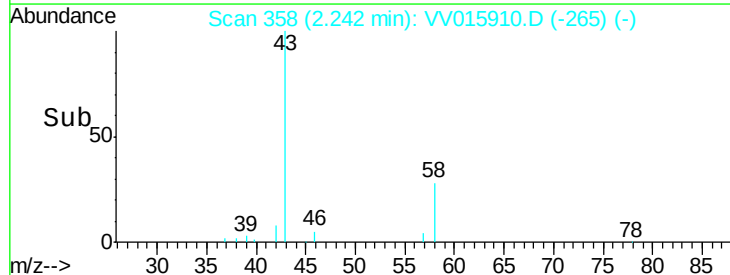
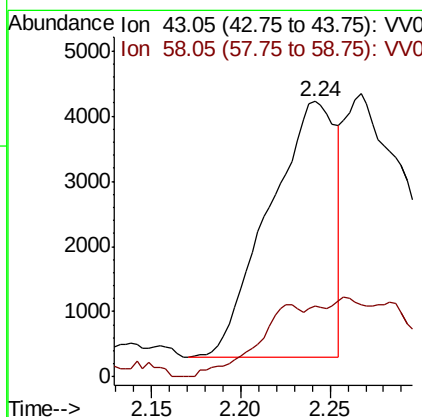
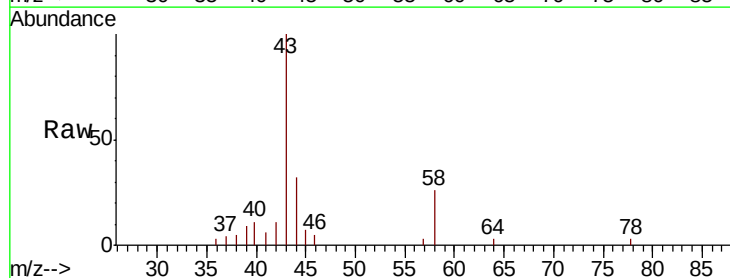
Instrument :
 MSVOA_V
 ClientSampled :

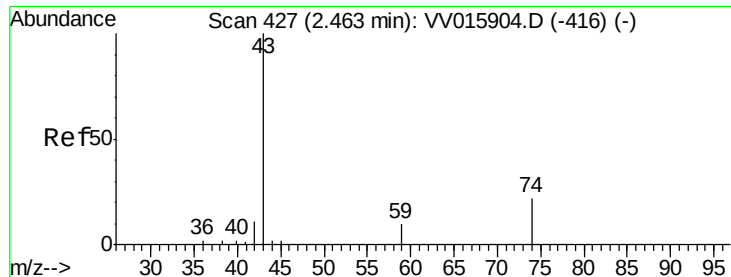
Tot Ion: 96 Resp: 650
 Ion Ratio Lower Upper
 96 100
 61 1602.6 139.9 259.7#
 63 12364.2 106.4 197.6#



#13
 Acetone
 Concen: 6.757 ug/L
 RT: 2.24 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VV015910.D
 Acq: 06 May 2020 15:20

Tgt Ion: 43 Resp: 10181
 Ion Ratio Lower Upper
 43 100
 58 19.8 0.0 30.8





#15

Methyl Acetate

Concen: 65.517 ug/L

RT: 2.54 min Scan# 452

Delta R.T. 0.08 min

Lab File: VV015910.D

Acq: 06 May 2020 15:20

Instrument :

MSVOA_V

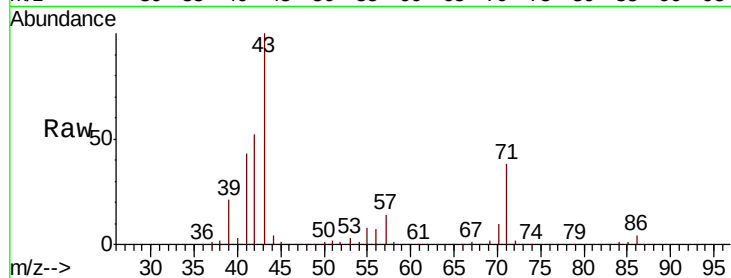
ClientSampleId :

Tot Ion: 43 Resp: 229686

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.54

120000

100000

80000

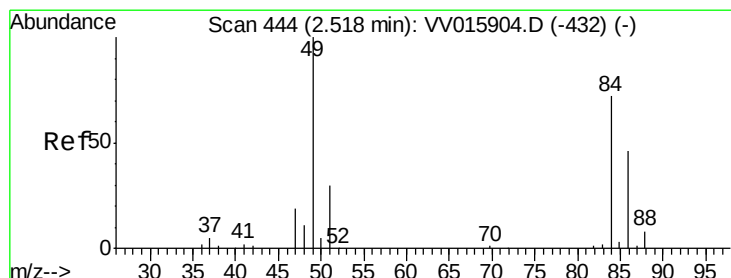
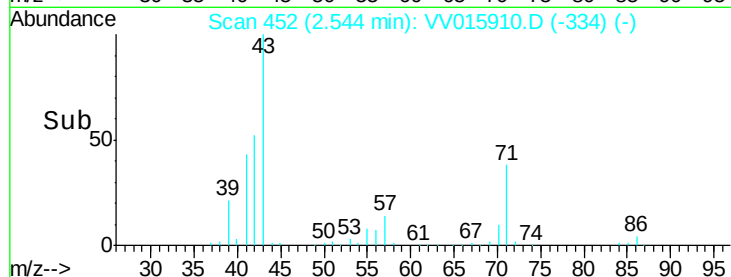
60000

40000

20000

0

Time--> 2.40 2.50 2.60



#16

Methylene chloride

Concen: 0.206 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.02 min

Lab File: VV015910.D

Acq: 06 May 2020 15:20

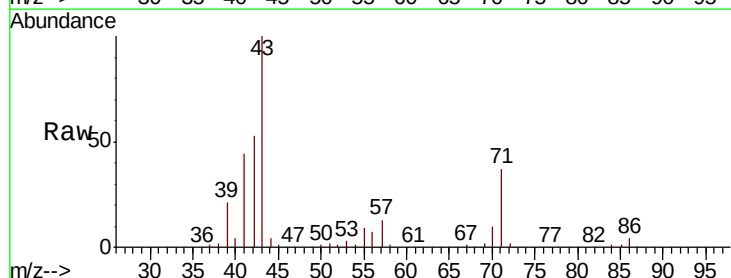
Tgt Ion: 84 Resp: 2498

Ion Ratio Lower Upper

84 100

86 480.8 45.6 84.8#

49 54.0 93.6 173.8#



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

6000

5000

4000

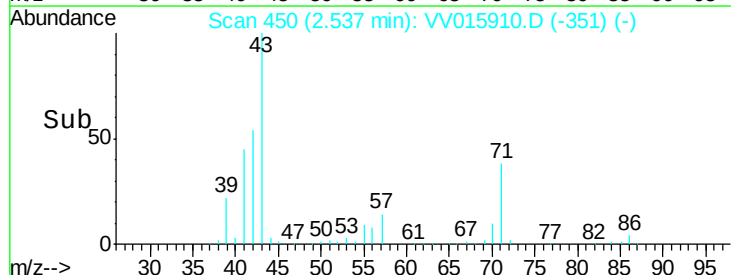
3000

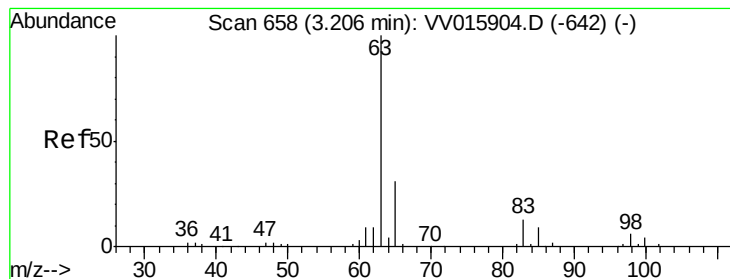
2000

1000

0

Time--> 2.45 2.50 2.55 2.60





#19

1,1-Dichloroethane

Concen: 0.117 ug/L

RT: 3.06 min Scan# 611

Delta R.T. -0.15 min

Lab File: VV015910.D

Acq: 06 May 2020 15:20

Instrument :

MSVOA_V

ClientSampleId :

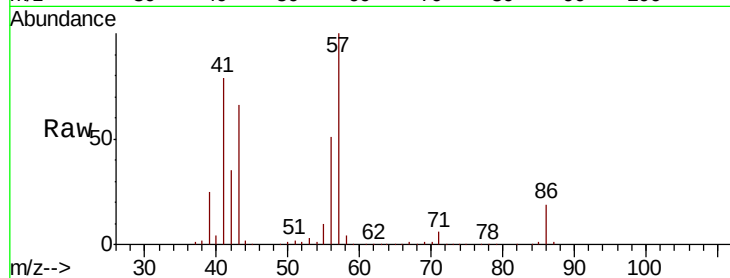
Tot Ion: 63 Resp: 2156

Ion Ratio Lower Upper

63 100

65 97.6 22.0 41.0#

83 0.0 9.8 18.2#

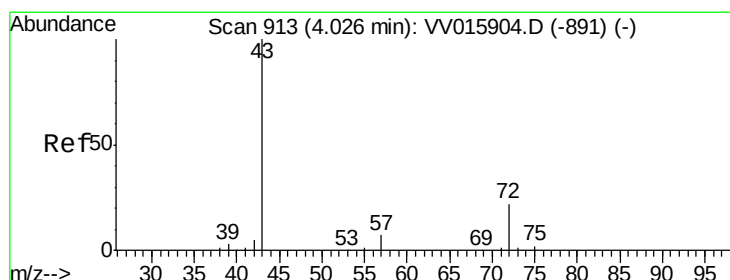
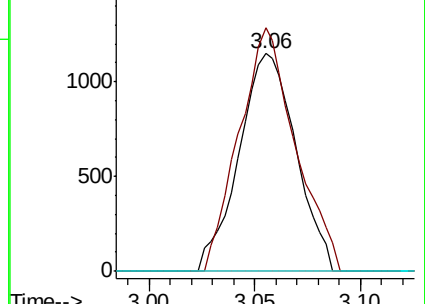
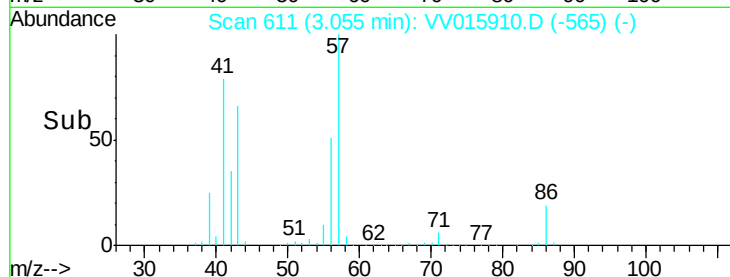


Abundance Ion 63.10 (62.80 to 63.80): VV015910.D (-565) (-)

Ion 65.10 (64.80 to 65.80): VV015910.D (-565) (-)

Ion 83.05 (82.75 to 83.75): VV015910.D (-565) (-)

Time-->



#21

2-Butanone

Concen: 3.724 ug/L

RT: 4.14 min Scan# 949

Delta R.T. 0.12 min

Lab File: VV015910.D

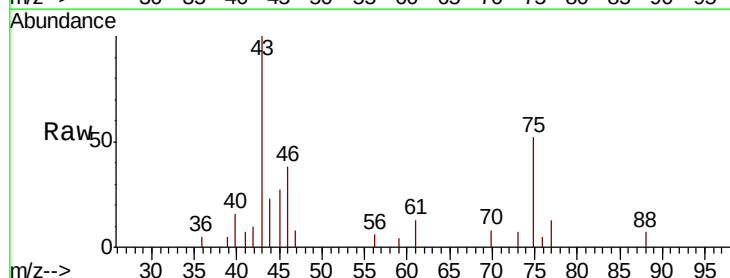
Acq: 06 May 2020 15:20

Tgt Ion: 43 Resp: 9375

Ion Ratio Lower Upper

43 100

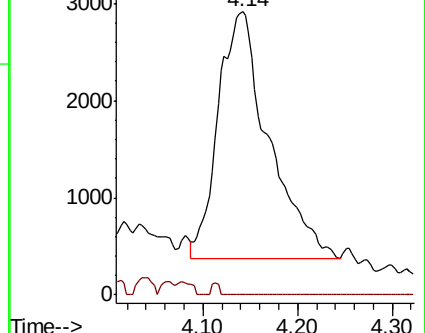
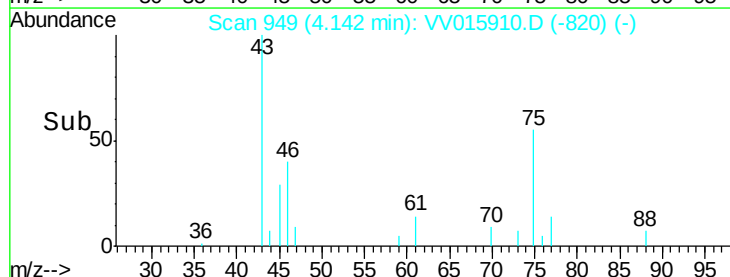
72 0.7 10.5 31.5#

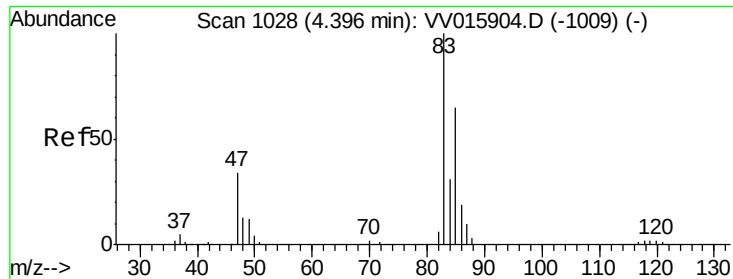


Abundance Ion 43.00 (42.70 to 43.70): VV015910.D (-820) (-)

Ion 72.00 (71.70 to 72.70): VV015910.D (-820) (-)

Time-->





#25

Chloroform

Concen: 0.247 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV015910.D

Acq: 06 May 2020 15:20

Instrument :

MSVOA_V

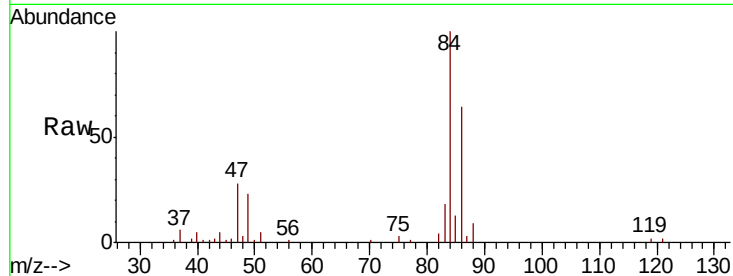
ClientSampleId :

Tot Ion: 83 Resp: 4954

Ion Ratio Lower Upper

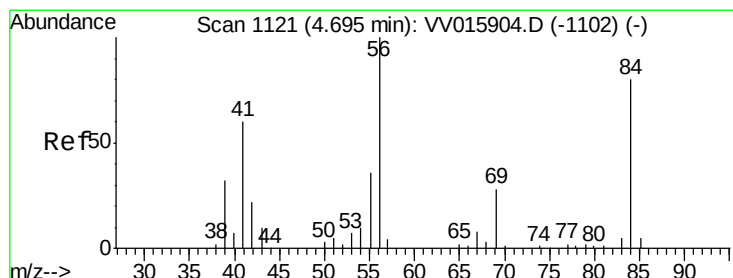
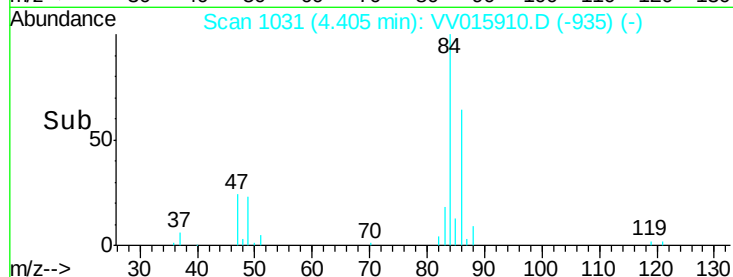
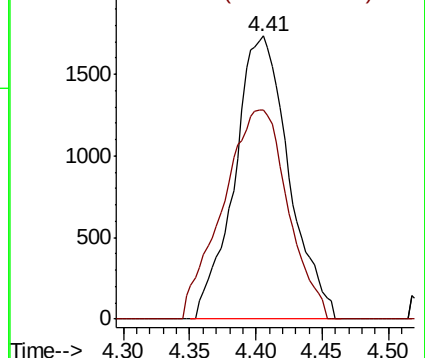
83 100

85 73.7 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#30

Cyclohexane

Concen: 1.833 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VV015910.D

Acq: 06 May 2020 15:20

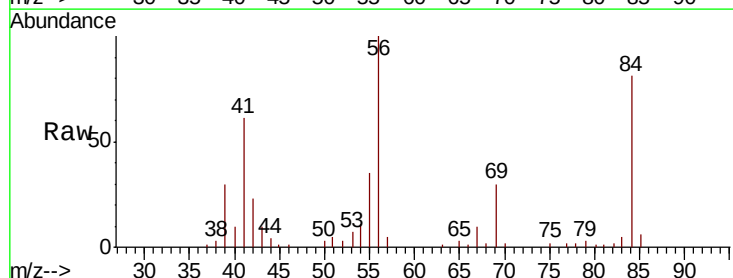
Tgt Ion: 56 Resp: 31627

Ion Ratio Lower Upper

56 100

69 29.7 24.2 36.2

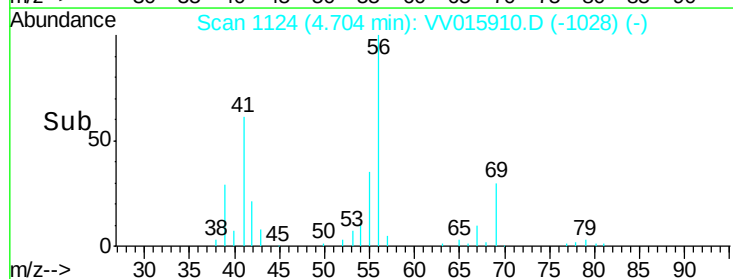
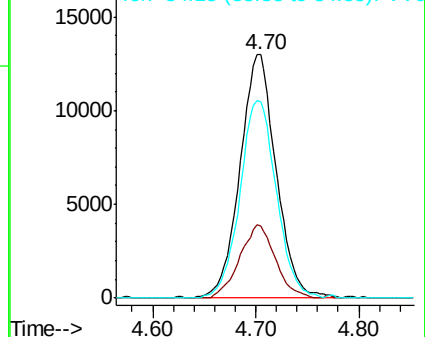
84 82.0 68.3 102.5

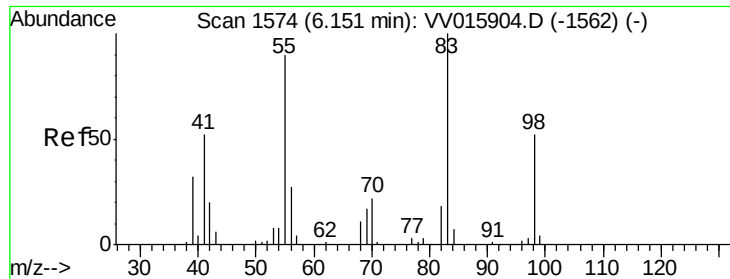


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0

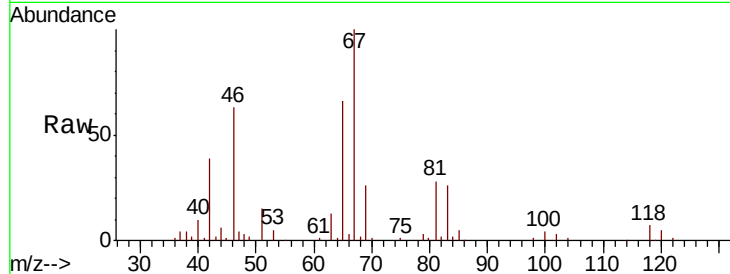




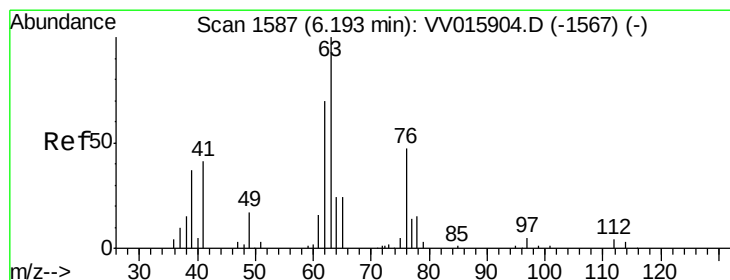
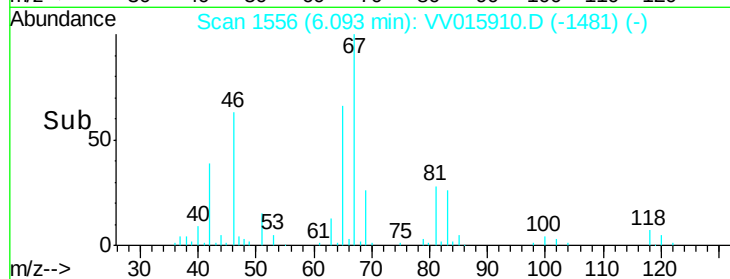
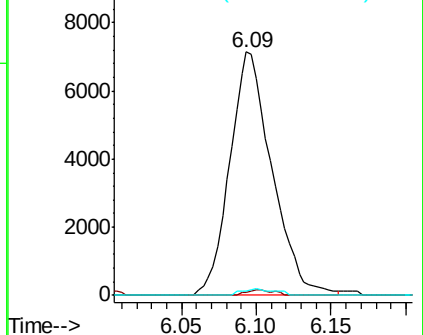
#35
Methylvlcyclohexane
Concen: 0.812 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV015910.D
Acq: 06 May 2020 15:20

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 14008
Ion Ratio Lower Upper
83 100
55 1.6 66.2 99.2#
98 2.1 37.9 56.9#

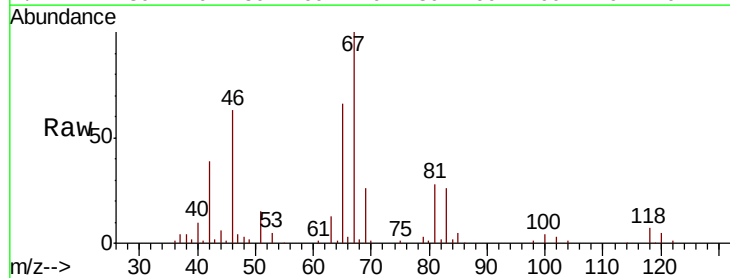


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

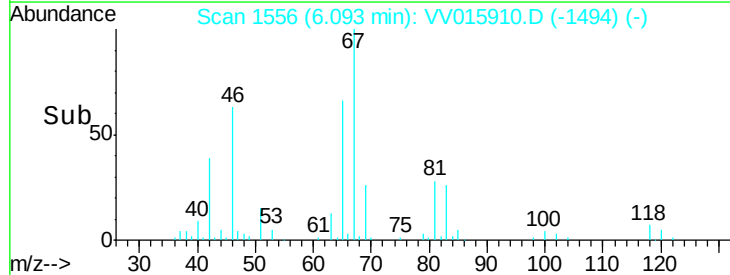
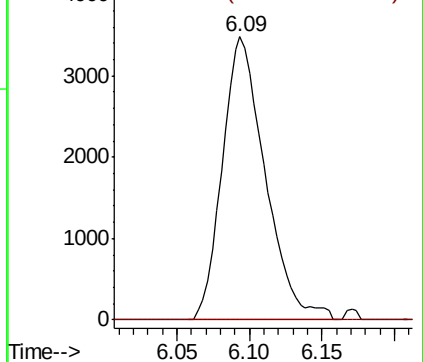


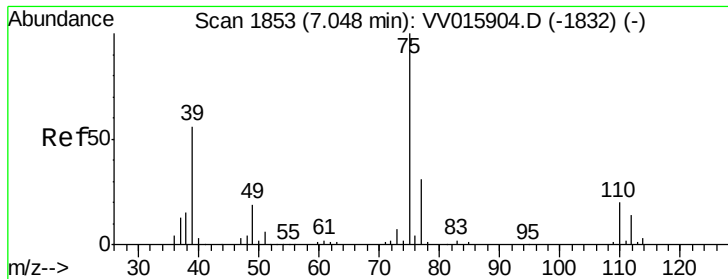
#37
1,2-Dichloropropane
Concen: 0.738 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015910.D
Acq: 06 May 2020 15:20

Tgt Ion: 63 Resp: 7150
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



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

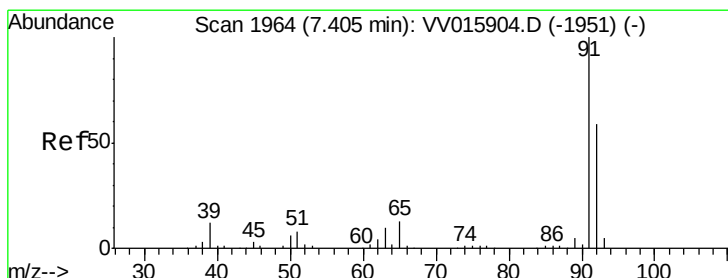
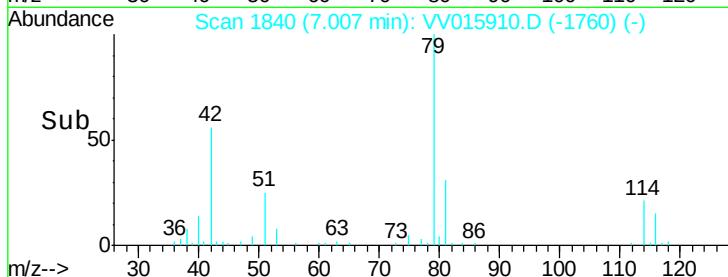
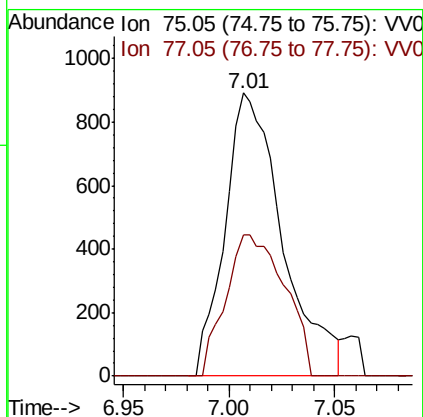
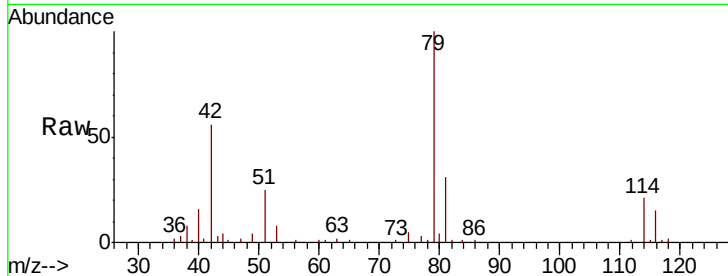




#39
 cis-1,3-Dichloropropene
 Concen: 0.124 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV015910.D
 Acq: 06 May 2020 15:20

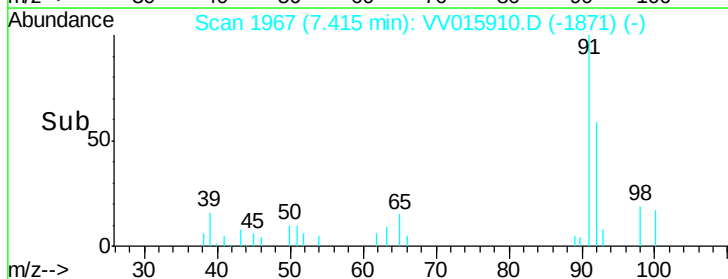
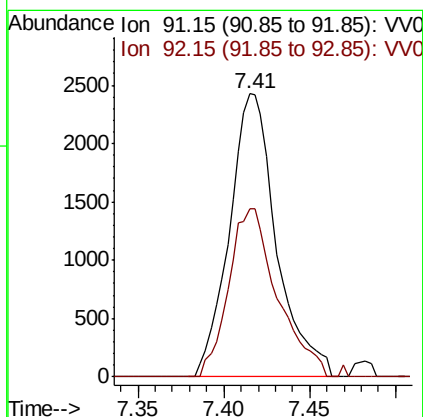
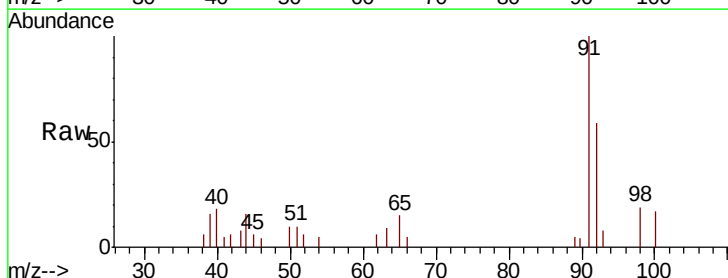
Instrument :
 MSVOA_V
 ClientSampleId :

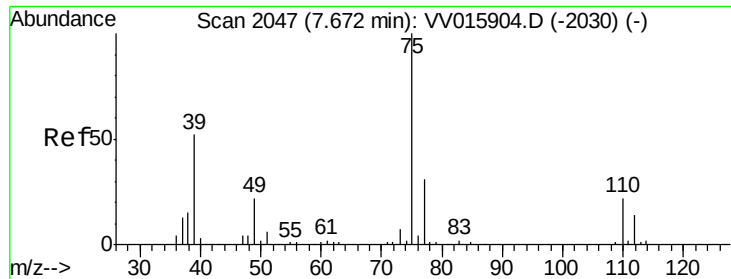
Tot Ion: 75 Resp: 1692
 Ion Ratio Lower Upper
 75 100
 77 49.9 21.3 39.5#



#42
 Toluene
 Concen: 0.112 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.01 min
 Lab File: VV015910.D
 Acq: 06 May 2020 15:20

Tgt Ion: 91 Resp: 4635
 Ion Ratio Lower Upper
 91 100
 92 59.3 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015910.D

Acq: 06 May 2020 15:20

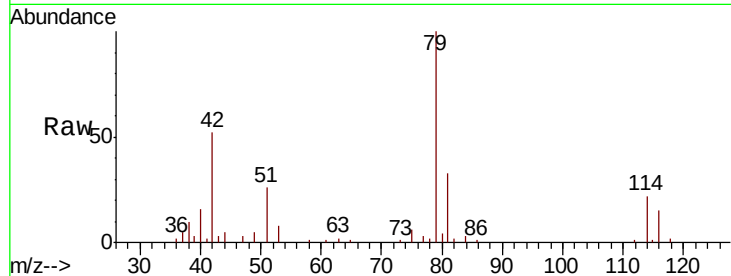
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 1059

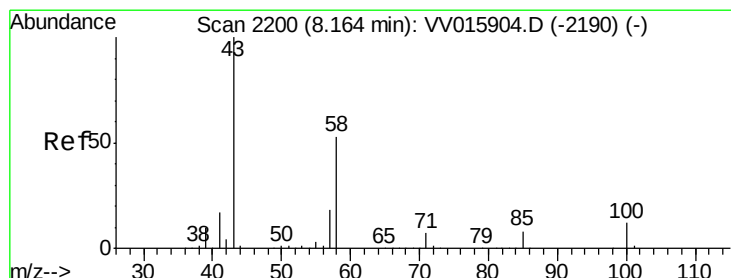
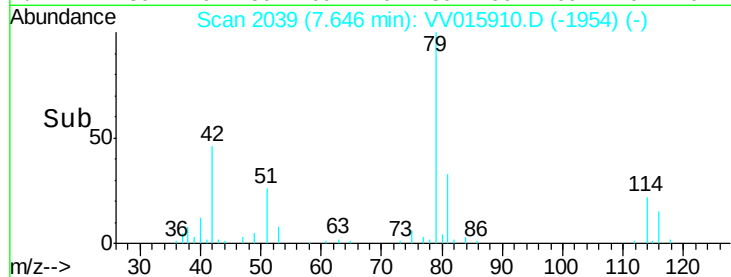
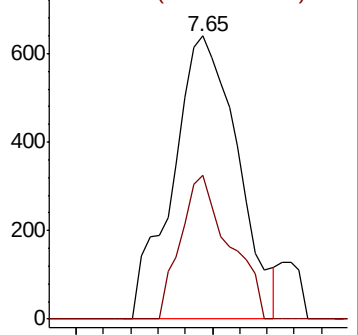
Ion Ratio Lower Upper

75 100

77 50.7 21.3 39.6#



Abundance Ion 75.05 (74.75 to 75.75): VV015910.D (-1954) (-)



#48

2-Hexanone

Concen: 0.914 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV015910.D

Acq: 06 May 2020 15:20

Tgt Ion: 43 Resp: 3945

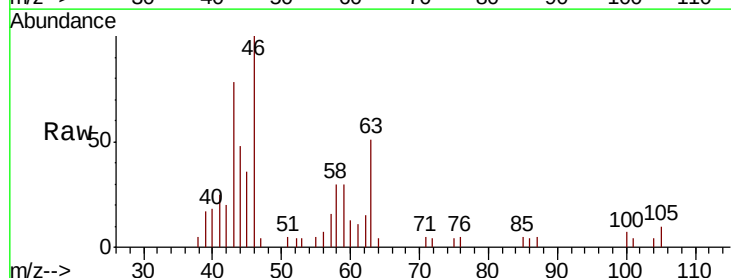
Ion Ratio Lower Upper

43 100

58 10.2 40.8 61.2#

57 4.2 14.7 22.1#

100 9.4 9.0 13.6

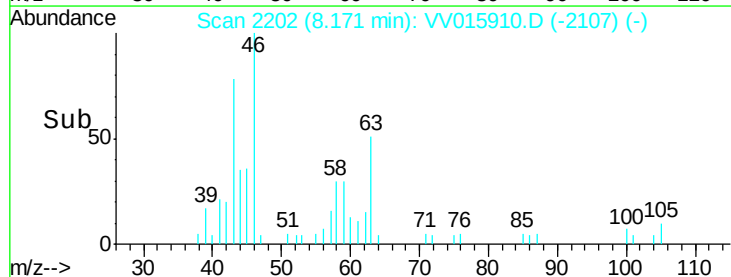
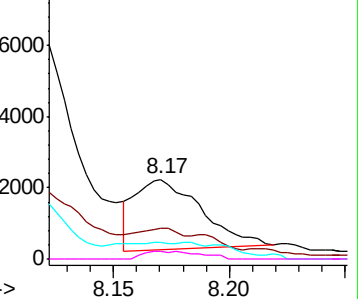


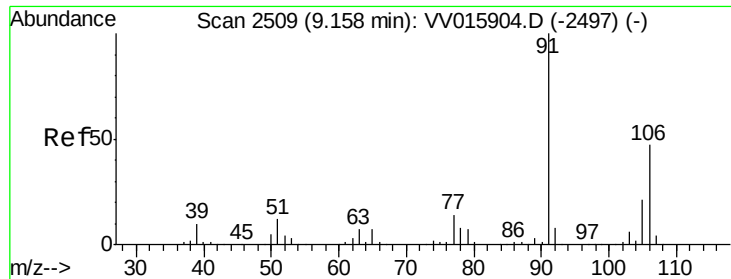
Abundance Ion 43.05 (42.75 to 43.75): VV015910.D (-2107) (-)

Ion 58.05 (57.75 to 58.75): VV015910.D (-2107) (-)

Ion 57.20 (56.90 to 57.90): VV015910.D (-2107) (-)

Ion 100.15 (99.85 to 100.85): VV015910.D (-2107) (-)





#53

m,p-xylene

Concen: 0.098 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV015910.D

Acq: 06 May 2020 15:20

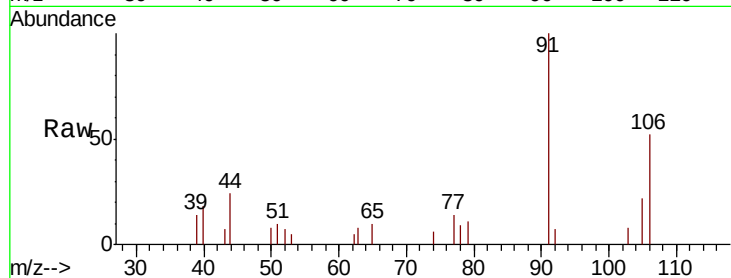
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 1726

Ion Ratio Lower Upper

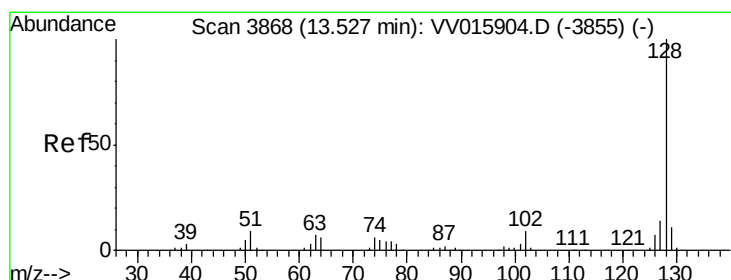
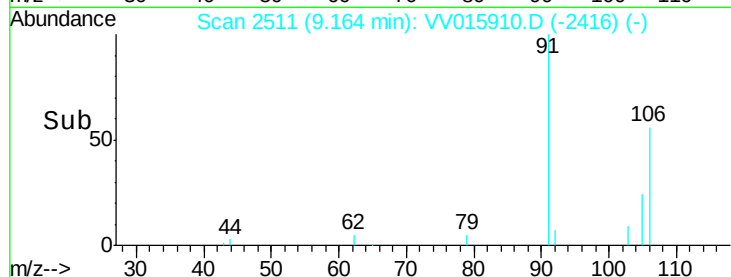
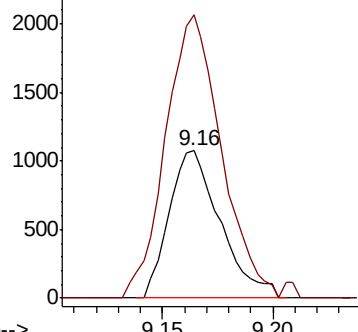
106 100

91 192.4 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#69

Naphthalene

Concen: 0.495 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV015910.D

Acq: 06 May 2020 15:20

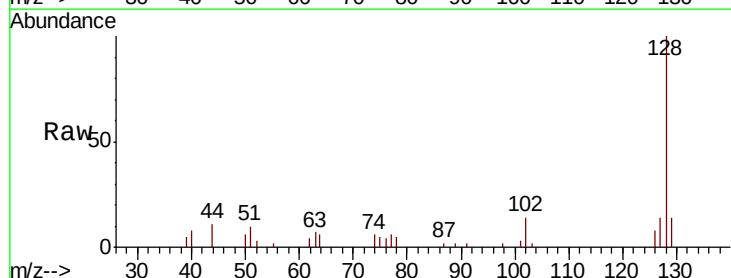
Tgt Ion:128 Resp: 10415

Ion Ratio Lower Upper

128 100

129 12.1 8.5 12.7

127 11.6 10.2 15.2



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

