

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050420\
 Data File : VV015886.D
 Acq On : 04 May 2020 15:44
 Operator : SY/MD
 Sample : L2432-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 05 01:32:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 05 01:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	122461	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	115441	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	59563	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	30522	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.57	69	29318	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.12	63	46211	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	3.94	46	101103	49.20	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.40%
24) Chloroform-d	4.38	84	66887	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.06	65	39895	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.08	84	131351	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.09	67	44846	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.34	98	118364	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.65	79	14497	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.11	63	79914	48.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.26%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	31046	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	46993	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Ovalue
8) Chloroethane	1.60	64	604	0.095 ug/L #	63
12) 1,1-Dichloroethene	2.12	96	585	0.082 ug/L #	1
13) Acetone	2.23	43	1979	1.387 ug/L	64
14) Carbon disulfide	2.31	76	942	0.047 ug/L #	75
25) Chloroform	4.40	83	1707	0.103 ug/L	91
33) Benzene	5.13	78	42183	1.279 ug/L	100
34) Trichloroethene	6.05	95	11287	1.239 ug/L #	10
35) Methylcyclohexane	6.09	83	10475	0.749 ug/L #	18
37) 1,2-Dichloropropane	6.10	63	5748	0.686 ug/L #	86
42) Toluene	7.41	91	55633	1.579 ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	730	0.074 ug/L	95
48) 2-Hexanone	8.11	43	11499	2.964 ug/L #	73
52) Ethylbenzene	9.03	91	442874	10.859 ug/L	99
53) m,p-xylene	9.16	106	227603	15.236 ug/L	100
54) o-xylene	9.57	106	138040	9.550 ug/L	97
55) Styrene	9.58	104	15279	0.623 ug/L #	1
56) Isopropylbenzene	9.95	105	30951	0.763 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 05 01:28:45 2020
Response via : Initial Calibration

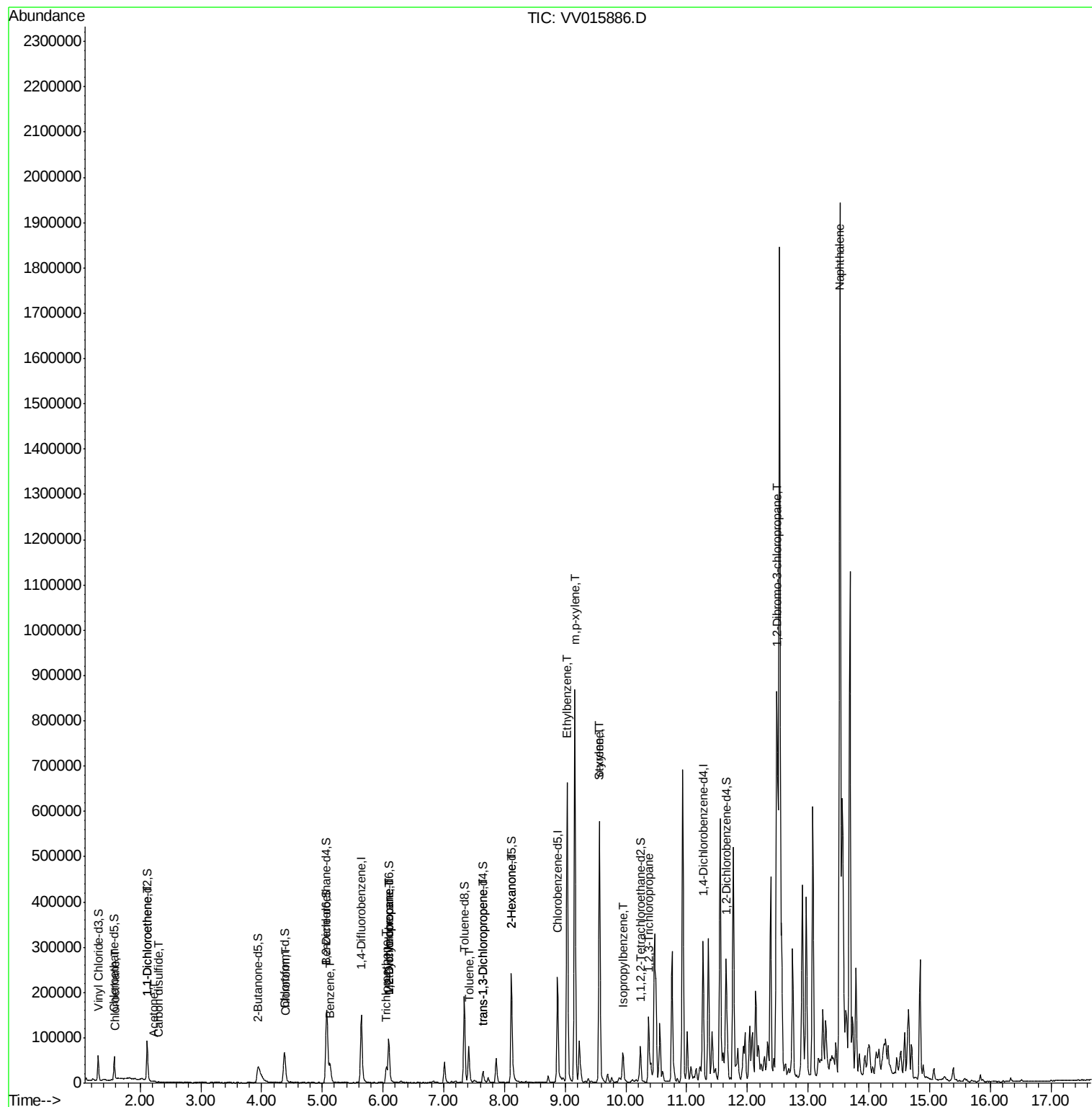
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	10.38	75	786	0.147	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.49	75	22253	20.034	ug/L #	11
69) Naphthalene	13.52	128	1241206	54.089	ug/L	98

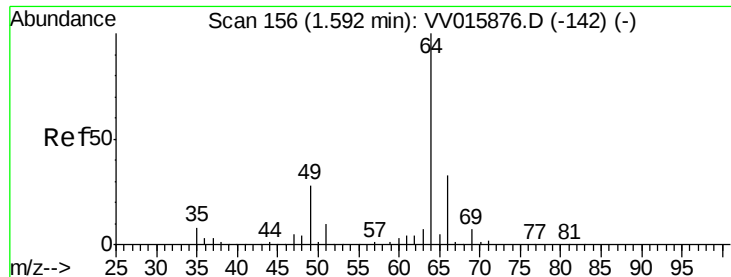
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.095 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.01 min

Lab File: VV015886.D

Acq: 04 May 2020 15:44

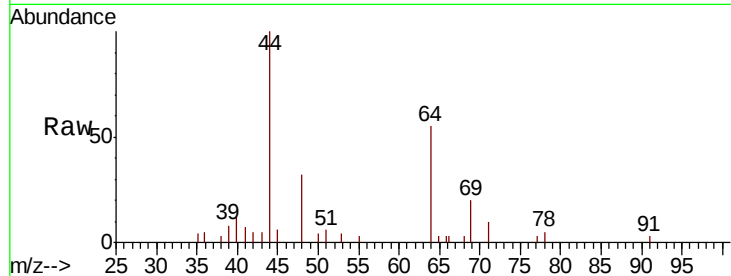
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 604

Ion Ratio Lower Upper

64 100

66 11.1 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.60

2000

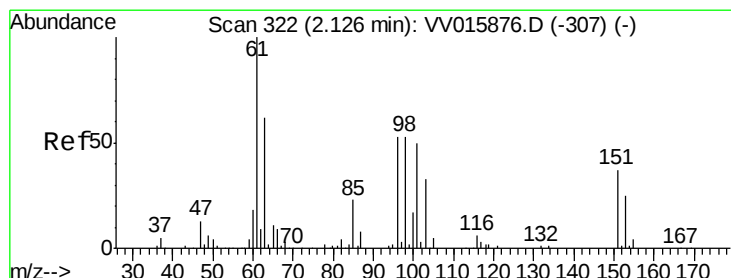
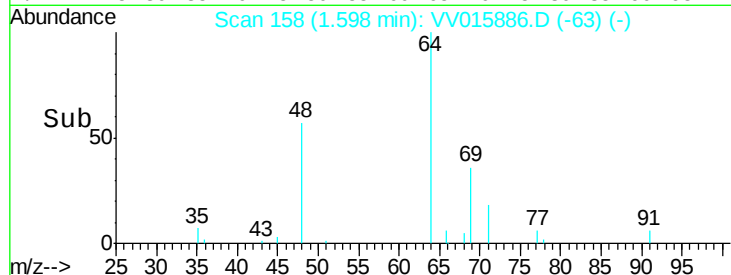
1500

1000

500

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.082 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV015886.D

Acq: 04 May 2020 15:44

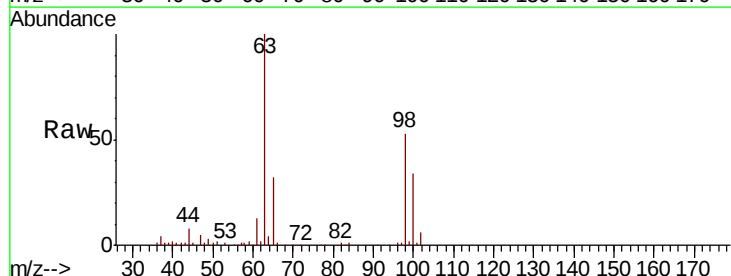
Tgt Ion: 96 Resp: 585

Ion Ratio Lower Upper

96 100

61 1304.0 130.1 241.7#

63 9783.5 91.4 169.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

40000

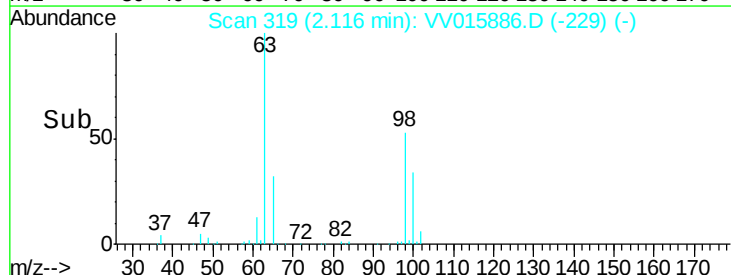
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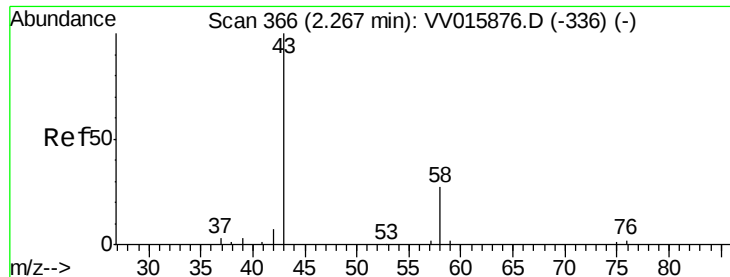
20000

10000

0

Time-->





#13

Acetone

Concen: 1.387 ug/L

RT: 2.23 min Scan# 355

Delta R.T. -0.04 min

Lab File: VV015886.D

Acq: 04 May 2020 15:44

Instrument :

MSVOA_V

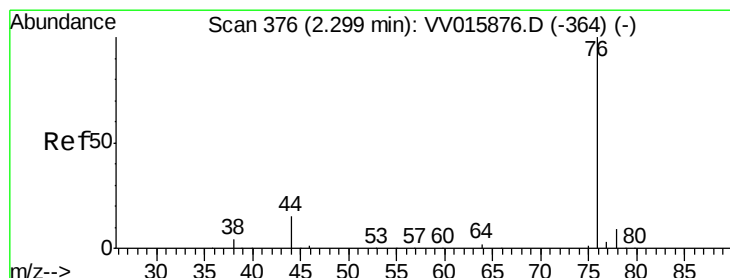
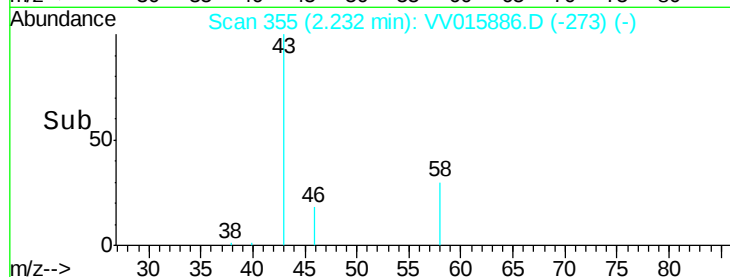
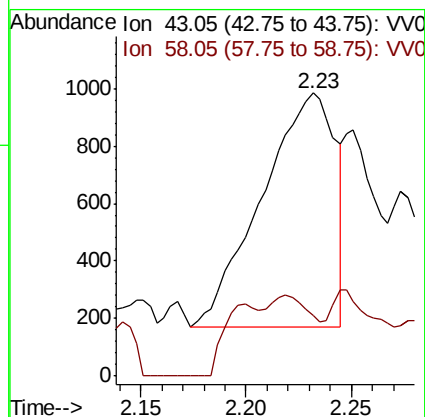
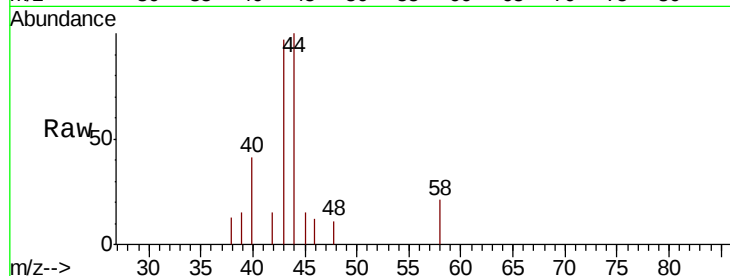
ClientSampleId :

Tot Ion: 43 Resp: 1979

Ion Ratio Lower Upper

43 100

58 9.7 0.0 57.6



#14

Carbon disulfide

Concen: 0.047 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.01 min

Lab File: VV015886.D

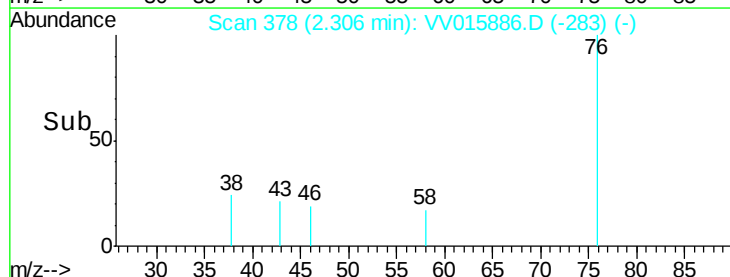
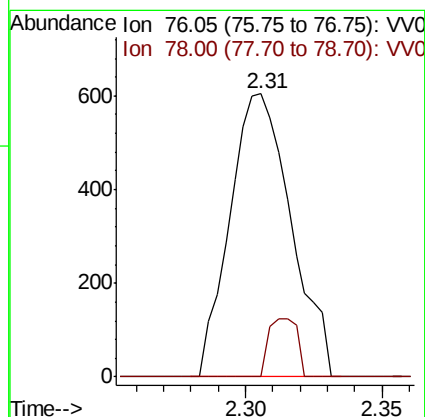
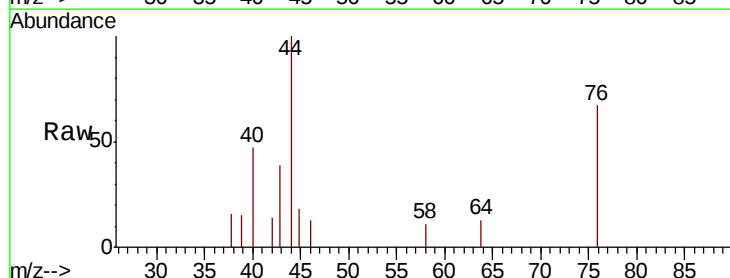
Acq: 04 May 2020 15:44

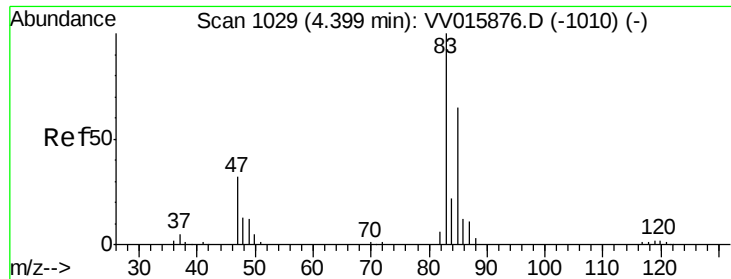
Tgt Ion: 76 Resp: 942

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

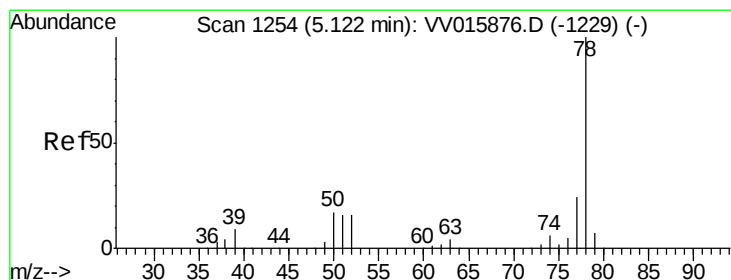
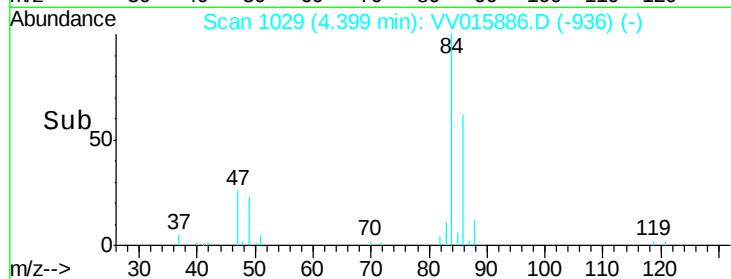
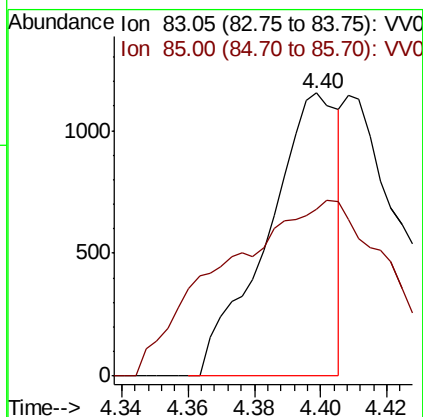
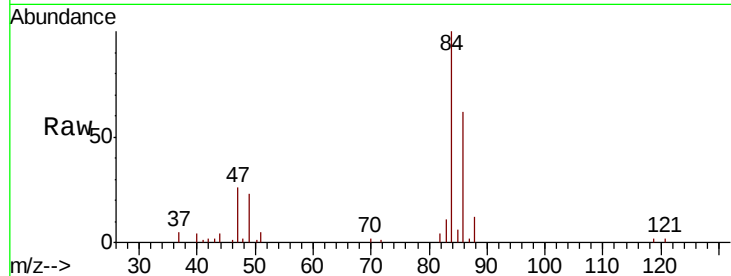




#25
Chloroform
Concen: 0.103 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015886.D
Acq: 04 May 2020 15:44

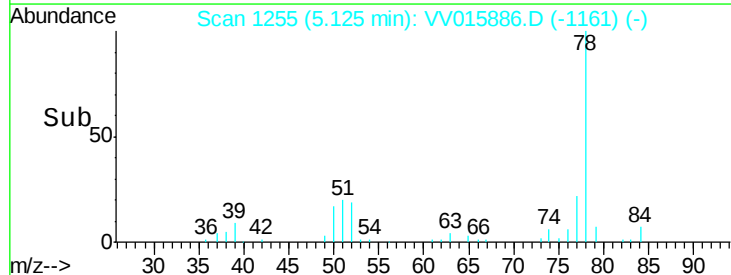
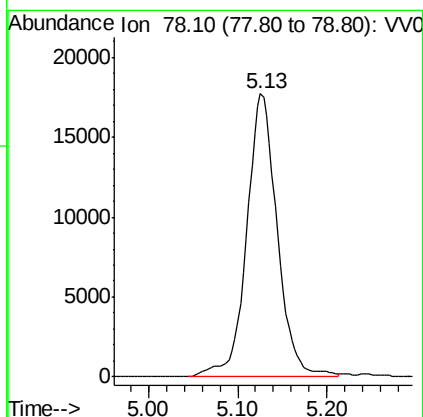
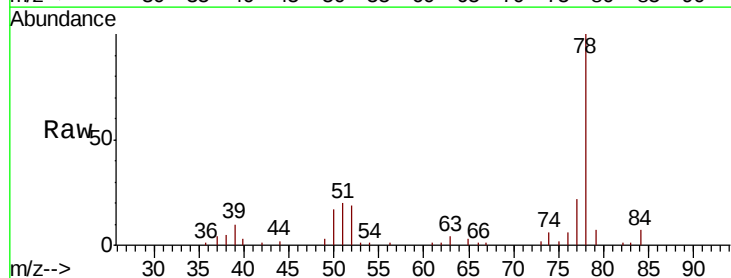
Instrument :
MSVOA_V
ClientSampled :

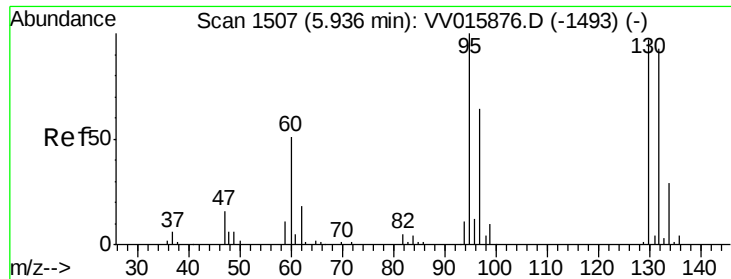
Tot Ion: 83 Resp: 1707
Ion Ratio Lower Upper
83 100
85 59.0 46.1 85.5



#33
Benzene
Concen: 1.279 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015886.D
Acq: 04 May 2020 15:44

Tgt Ion: 78 Resp: 42183





#34

Trichloroethene

Concen: 1.239 ug/L

RT: 6.05 min Scan# 1544

Delta R.T. 0.12 min

Lab File: VV015886.D

Acq: 04 May 2020 15:44

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 11287

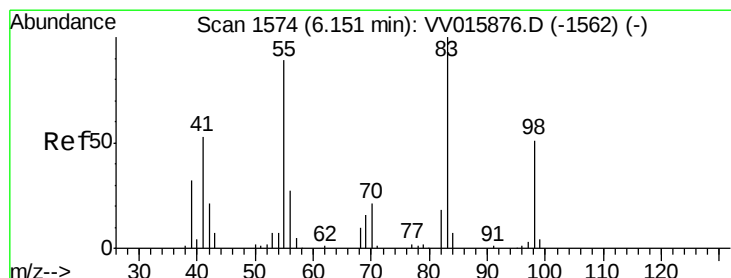
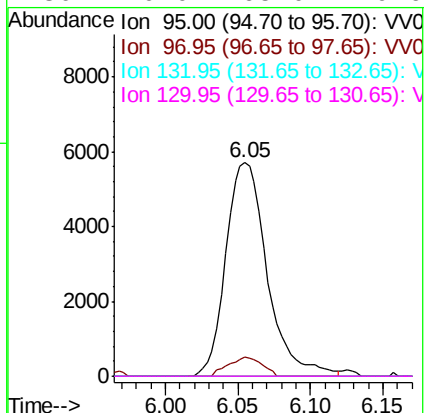
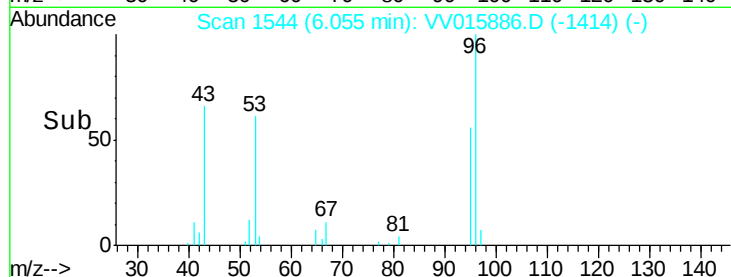
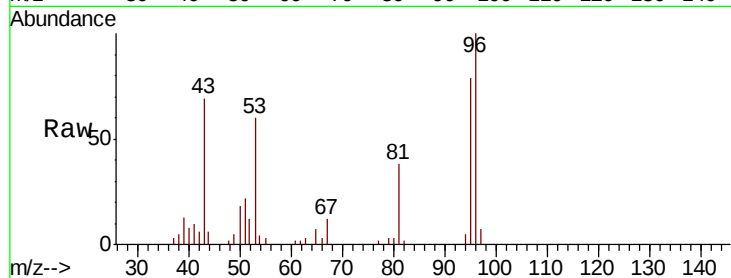
Ion Ratio Lower Upper

95 100

97 8.7 44.7 82.9#

132 0.0 65.2 121.0#

130 0.0 65.0 120.6#



#35

Methylcyclohexane

Concen: 0.749 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV015886.D

Acq: 04 May 2020 15:44

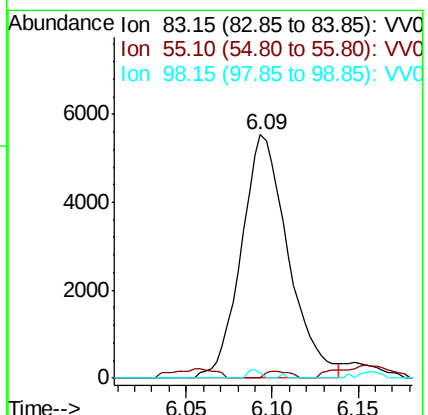
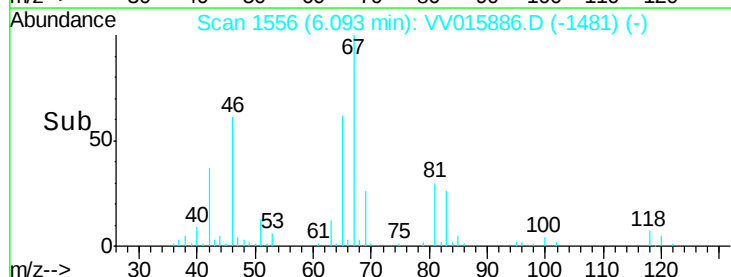
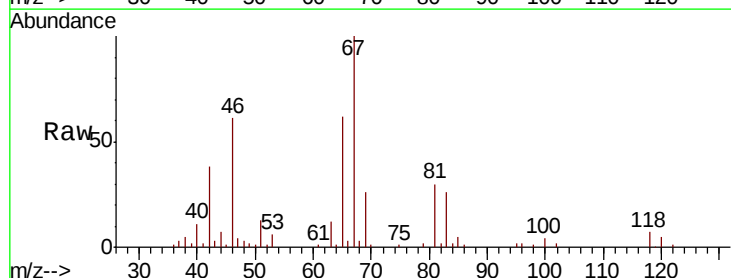
Tgt Ion: 83 Resp: 10475

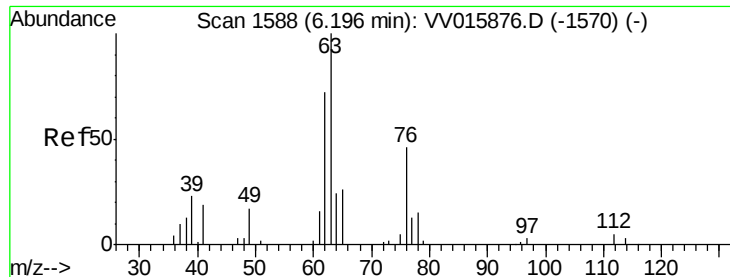
Ion Ratio Lower Upper

83 100

55 3.5 66.6 99.8#

98 0.9 39.5 59.3#

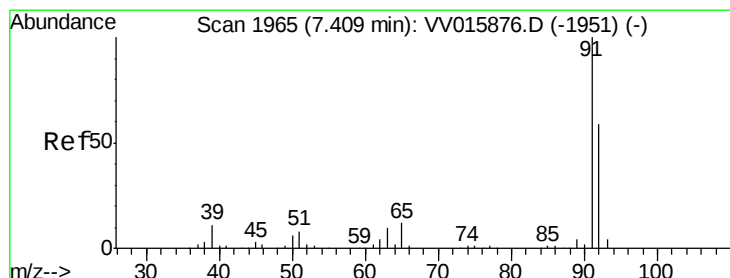
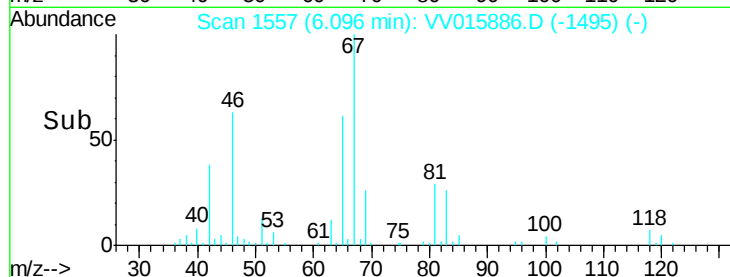
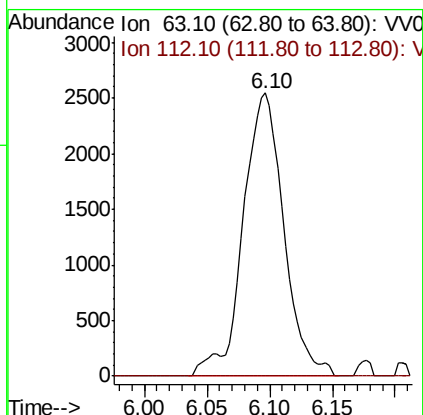
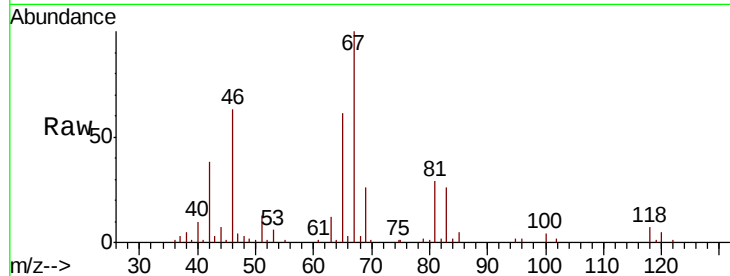




#37
 1,2-Dichloropropane
 Concen: 0.686 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV015886.D
 Acq: 04 May 2020 15:44

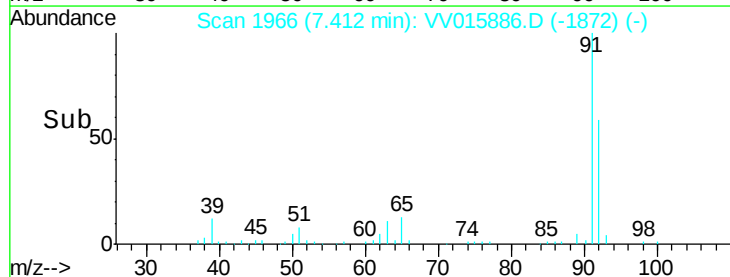
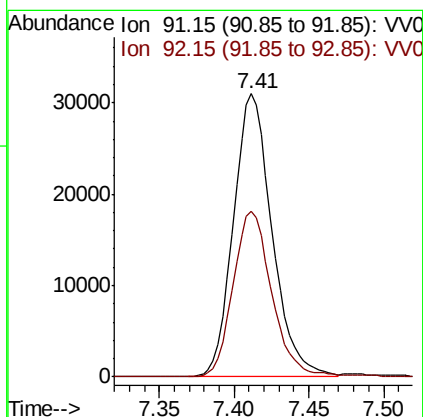
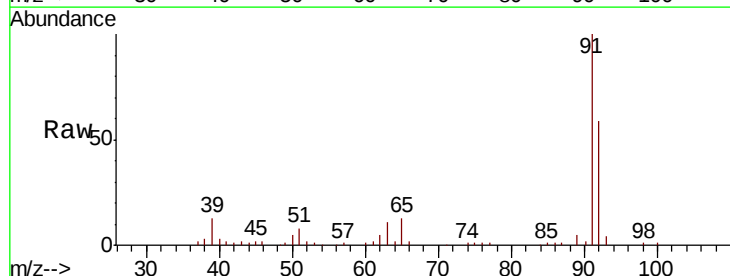
Instrument :
 MSVOA_V
 ClientSampled :

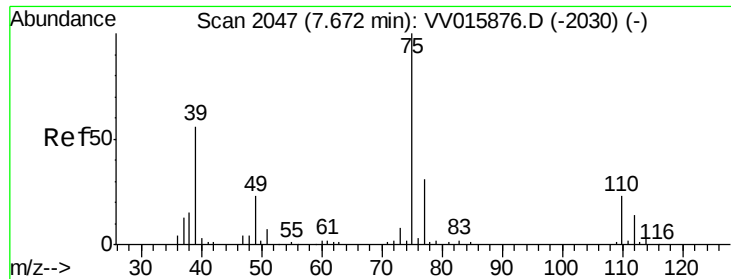
Tot Ion: 63 Resp: 5748
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#42
 Toluene
 Concen: 1.579 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV015886.D
 Acq: 04 May 2020 15:44

Tgt Ion: 91 Resp: 55633
 Ion Ratio Lower Upper
 91 100
 92 58.5 40.7 75.7

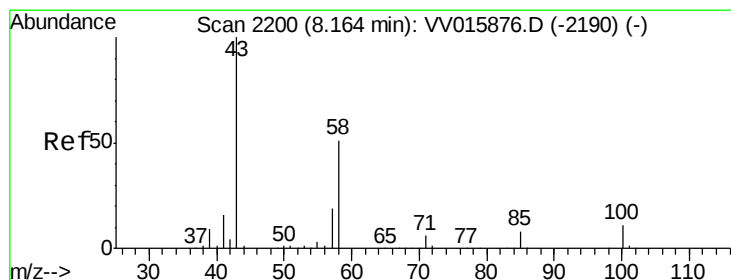
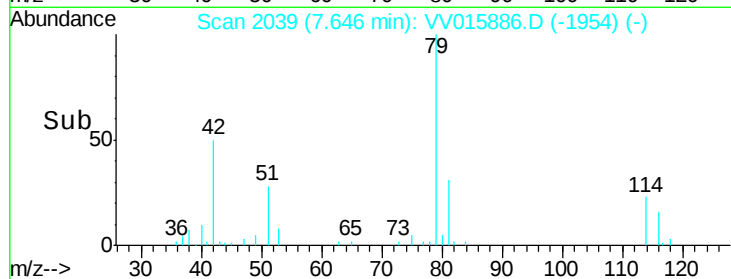
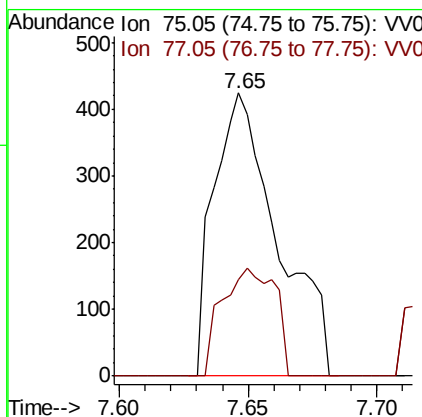
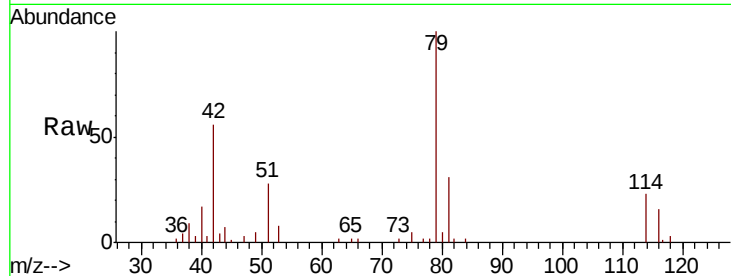




#44
trans-1,3-Dichloropropene
Concen: 0.074 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV015886.D
Acq: 04 May 2020 15:44

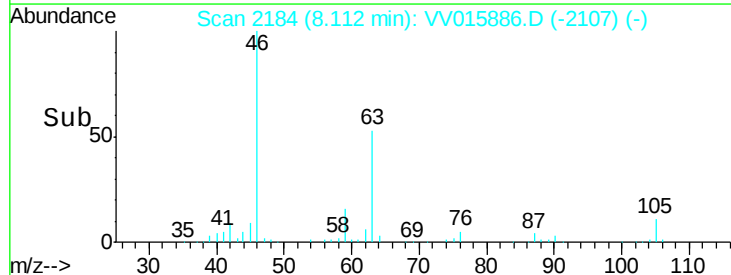
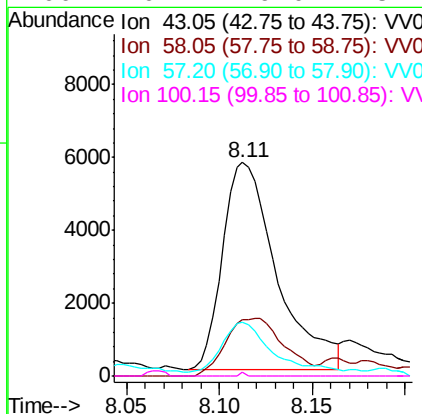
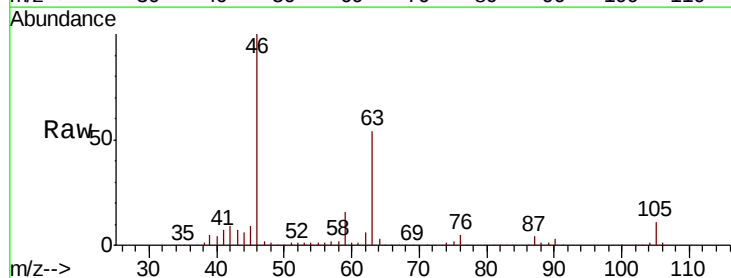
Instrument :
MSVOA_V
ClientSampleId :

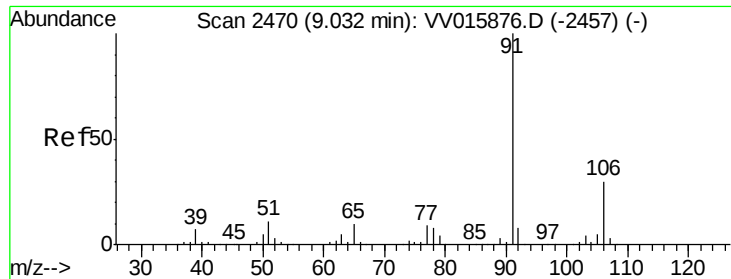
Tot Ion: 75 Resp: 730
Ion Ratio Lower Upper
75 100
77 34.0 21.8 40.6



#48
2-Hexanone
Concen: 2.964 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV015886.D
Acq: 04 May 2020 15:44

Tgt Ion: 43 Resp: 11499
Ion Ratio Lower Upper
43 100
58 30.1 41.1 61.7#
57 26.5 15.0 22.4#
100 0.2 9.0 13.4#





#52

Ethylbenzene

Concen: 10.859 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015886.D

Acq: 04 May 2020 15:44

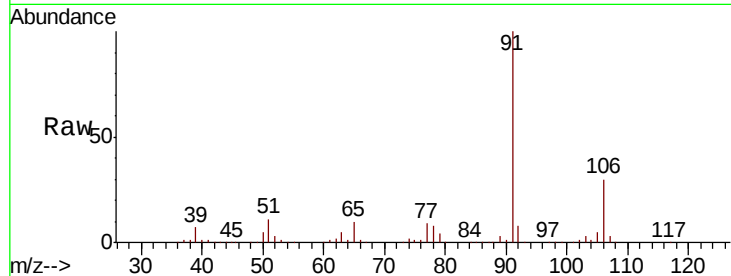
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 442874

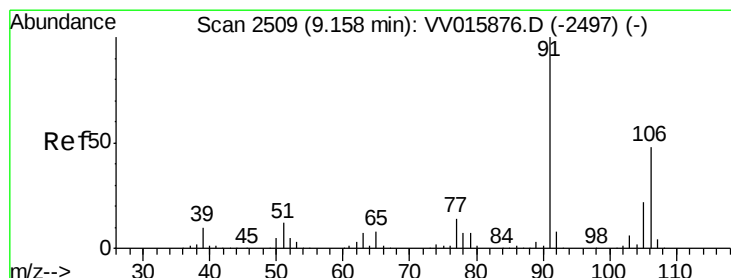
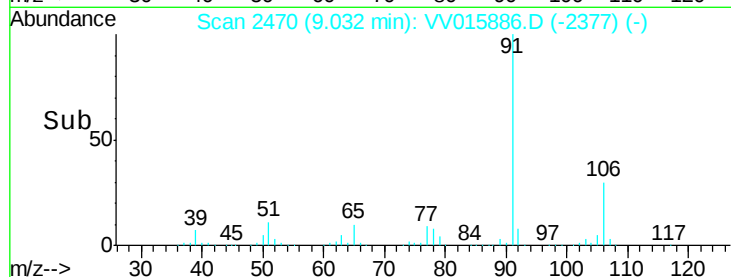
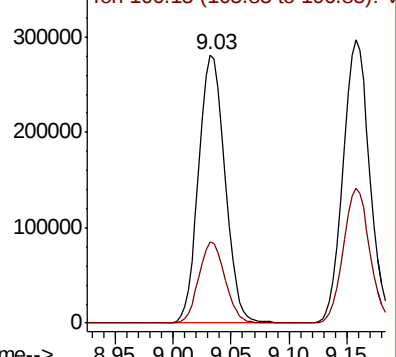
Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015886.D (-2377) (-)



#53

m,p-xylene

Concen: 15.236 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015886.D

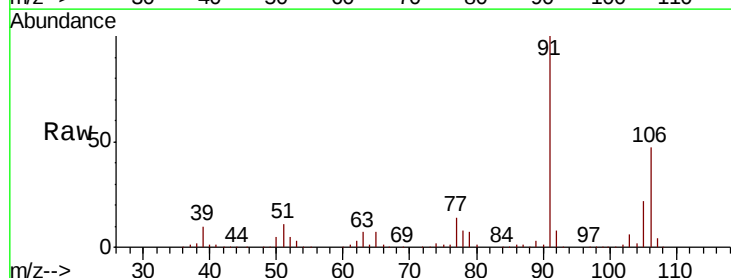
Acq: 04 May 2020 15:44

Tgt Ion: 106 Resp: 227603

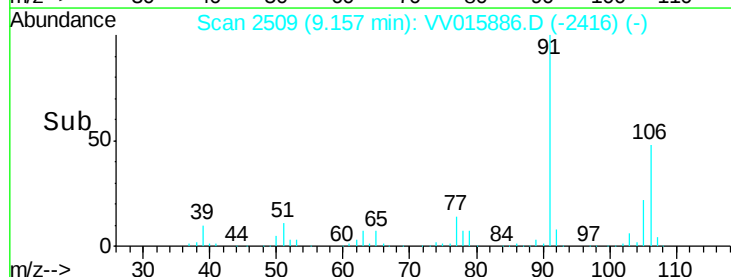
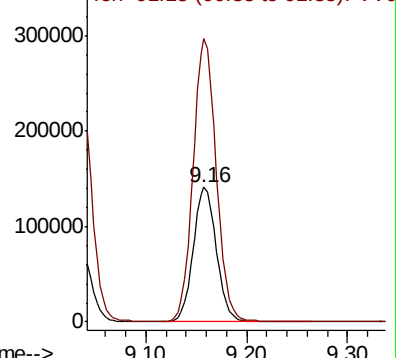
Ion Ratio Lower Upper

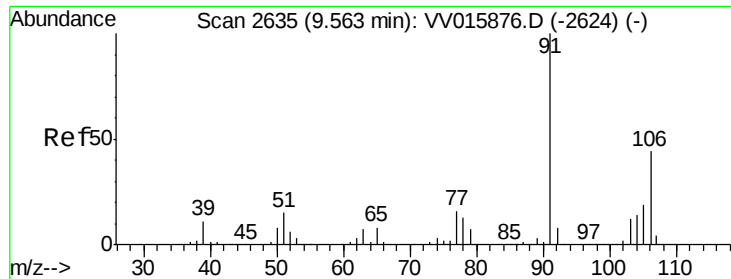
106 100

91 210.5 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015886.D (-2416) (-)





#54

o-xylene

Concen: 9.550 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015886.D

Acq: 04 May 2020 15:44

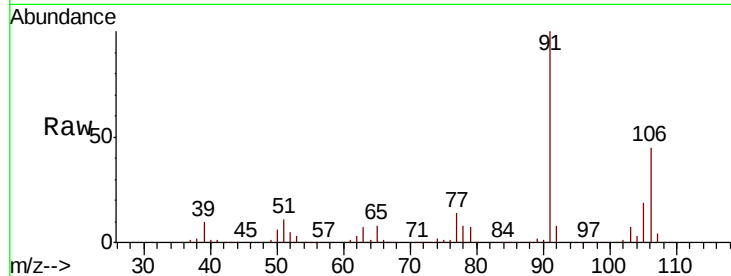
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 138040

Ion Ratio Lower Upper

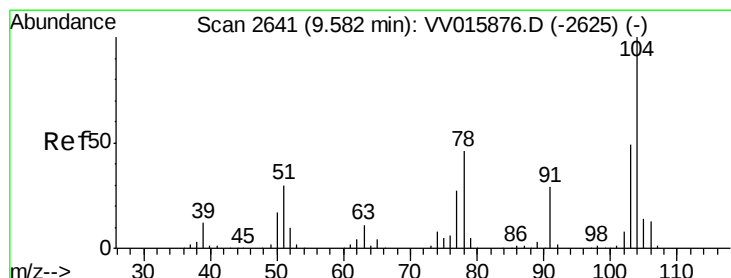
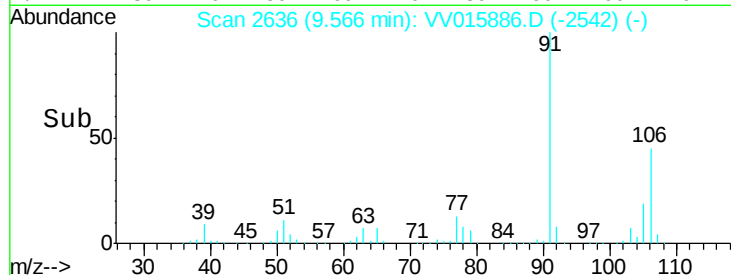
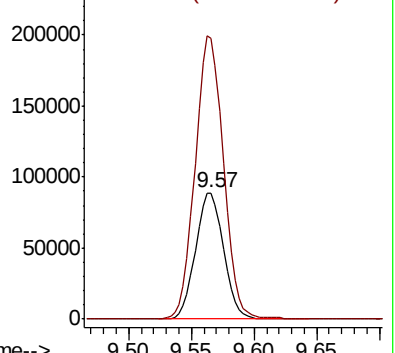
106 100

91 222.5 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.623 ug/L

RT: 9.58 min Scan# 2639

Delta R.T. -0.01 min

Lab File: VV015886.D

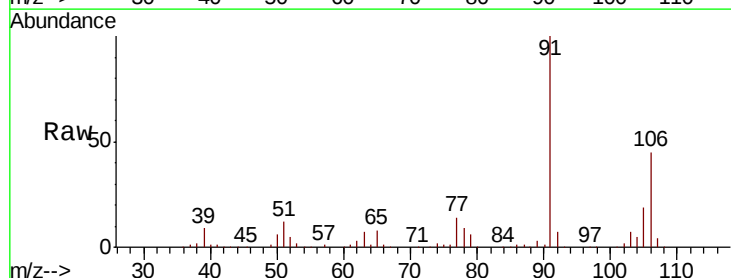
Acq: 04 May 2020 15:44

Tgt Ion:104 Resp: 15279

Ion Ratio Lower Upper

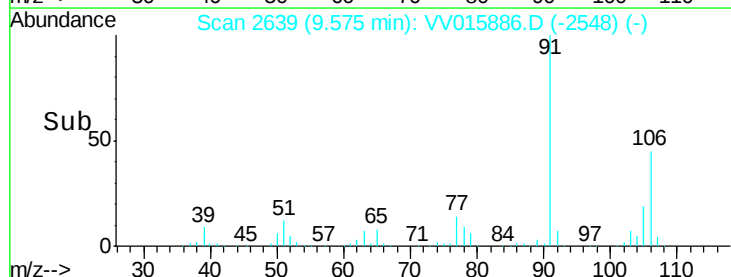
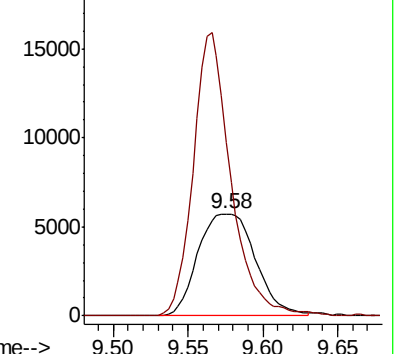
104 100

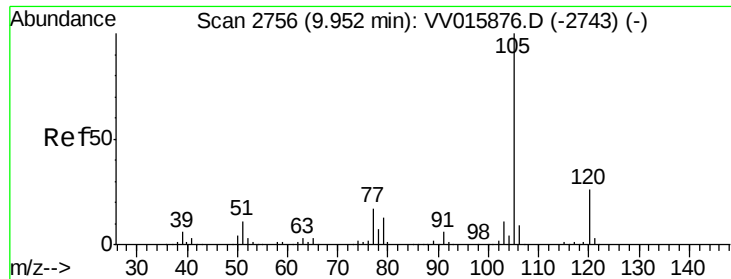
78 170.1 34.5 64.1#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.763 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015886.D

Acq: 04 May 2020 15:44

Instrument :

MSVOA_V

ClientSampleId :

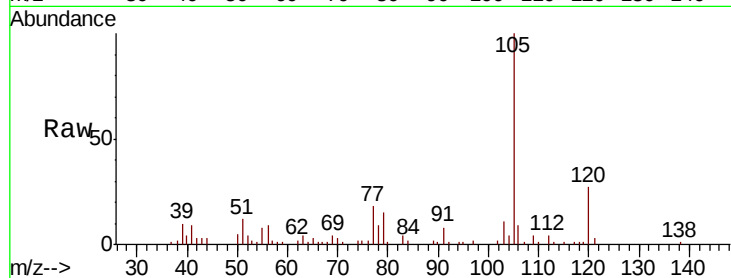
Tot Ion:105 Resp: 30951

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

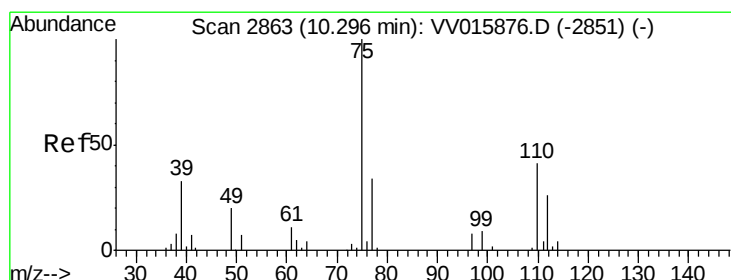
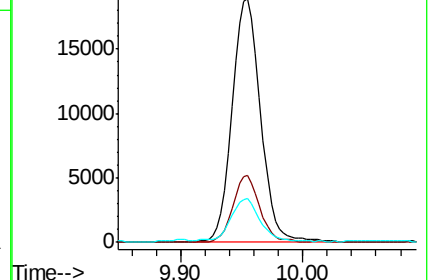
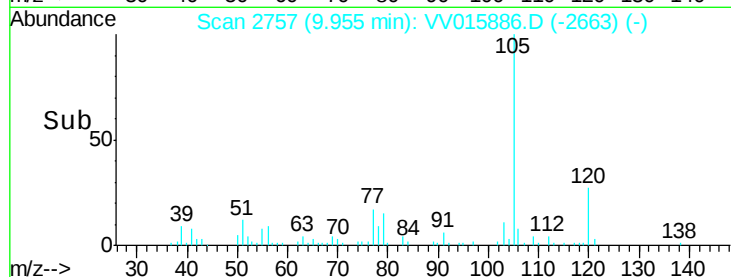
77 17.8 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#59

1,2,3-Trichloropropane

Concen: 0.147 ug/L

RT: 10.38 min Scan# 2888

Delta R.T. 0.08 min

Lab File: VV015886.D

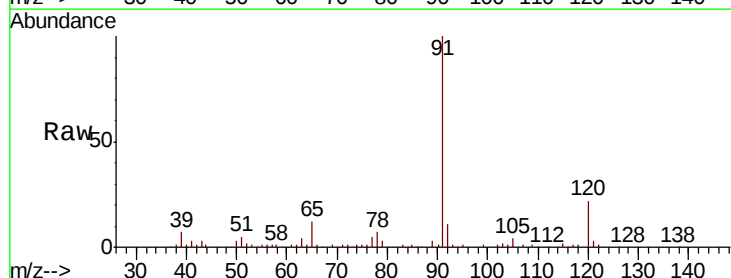
Acq: 04 May 2020 15:44

Tgt Ion: 75 Resp: 786

Ion Ratio Lower Upper

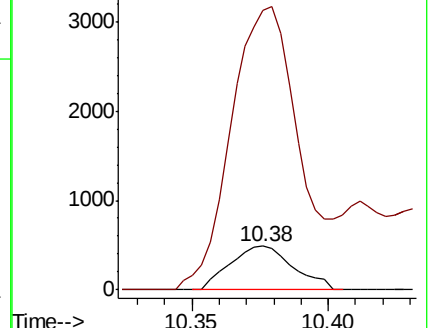
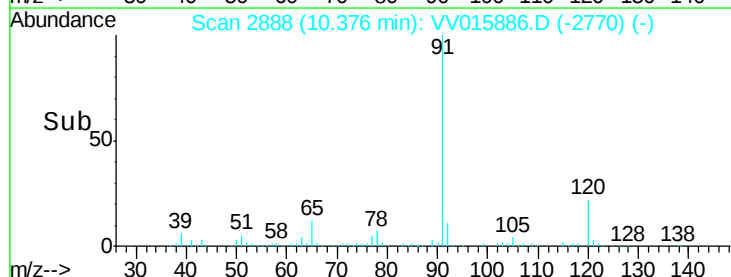
75 100

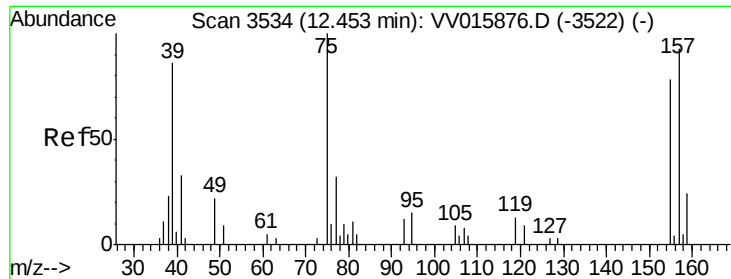
77 697.6 26.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

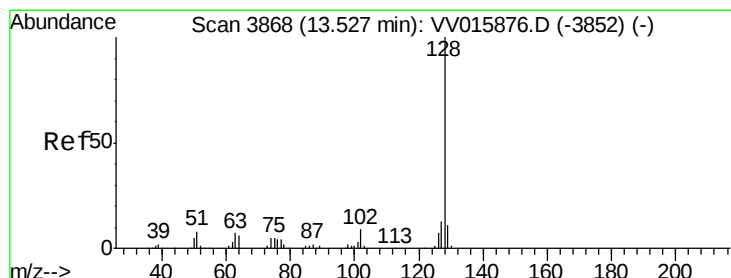
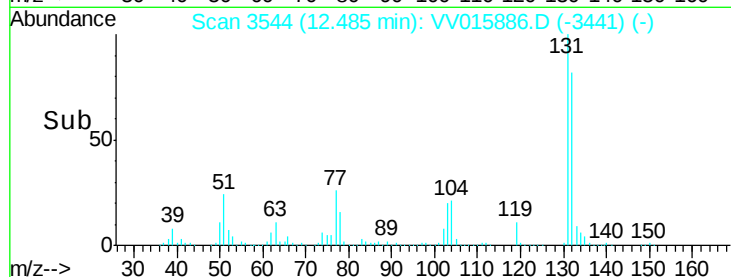
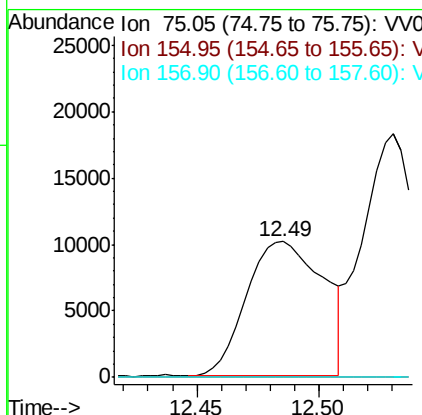
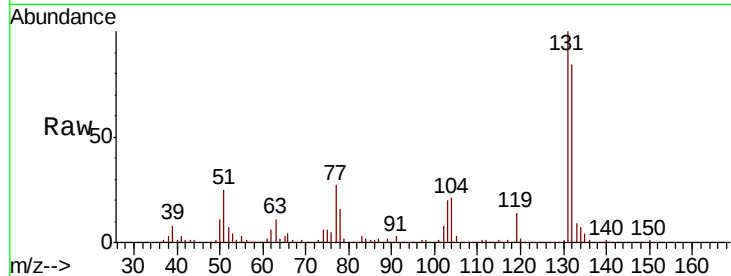




#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.034 ug/L
 RT: 12.49 min Scan# 3544
 Delta R.T. 0.03 min
 Lab File: VV015886.D
 Acq: 04 May 2020 15:44

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 22253
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.0 76.4#
 157 0.0 70.6 106.0#



#69
 Naphthalene
 Concen: 54.089 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV015886.D
 Acq: 04 May 2020 15:44

Tgt Ion: 128 Resp: 1241206
 Ion Ratio Lower Upper
 128 100
 129 11.7 8.4 12.6
 127 13.5 10.2 15.4

