

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
 Data File : VV015872.D
 Acq On : 01 May 2020 20:45
 Operator : SY/MD
 Sample : L2432-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 02 00:13:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 02 00:06:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	130616	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	122821	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	63691	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	32609	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.58	69	30226	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.12	63	46995	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	3.96	46	102223	46.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.28%
24) Chloroform-d	4.38	84	69236	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.06	65	39905	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.08	84	133935	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.10	67	44497	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.34	98	119478	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	7.65	79	14050	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.11	63	81761	46.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.58%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	30392	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	47874	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.13	96	583	0.077 ug/L #	1
13) Acetone	2.25	43	1903	1.250 ug/L	73
14) Carbon disulfide	2.31	76	1162	0.054 ug/L #	82
25) Chloroform	4.41	83	1906	0.107 ug/L	95
33) Benzene	5.13	78	42651	1.215 ug/L	100
34) Trichloroethene	6.05	95	10401	1.073 ug/L #	10
37) 1,2-Dichloropropane	6.10	63	5482	0.615 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1236	0.099 ug/L #	69
42) Toluene	7.41	91	56239	1.500 ug/L	99
44) trans-1,3-Dichloropropene	7.64	75	773	0.074 ug/L	99
48) 2-Hexanone	8.11	43	11057	2.678 ug/L #	77
52) Ethylbenzene	9.03	91	448912	10.346 ug/L	99
53) m,p-xylene	9.16	106	227737	14.329 ug/L	99
54) o-xylene	9.56	106	139233	9.054 ug/L	98
55) Styrene	9.58	104	15022	0.576 ug/L #	1
56) Isopropylbenzene	9.95	105	31301	0.726 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	23132	19.475 ug/L #	11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 02 00:06:27 2020
Response via : Initial Calibration

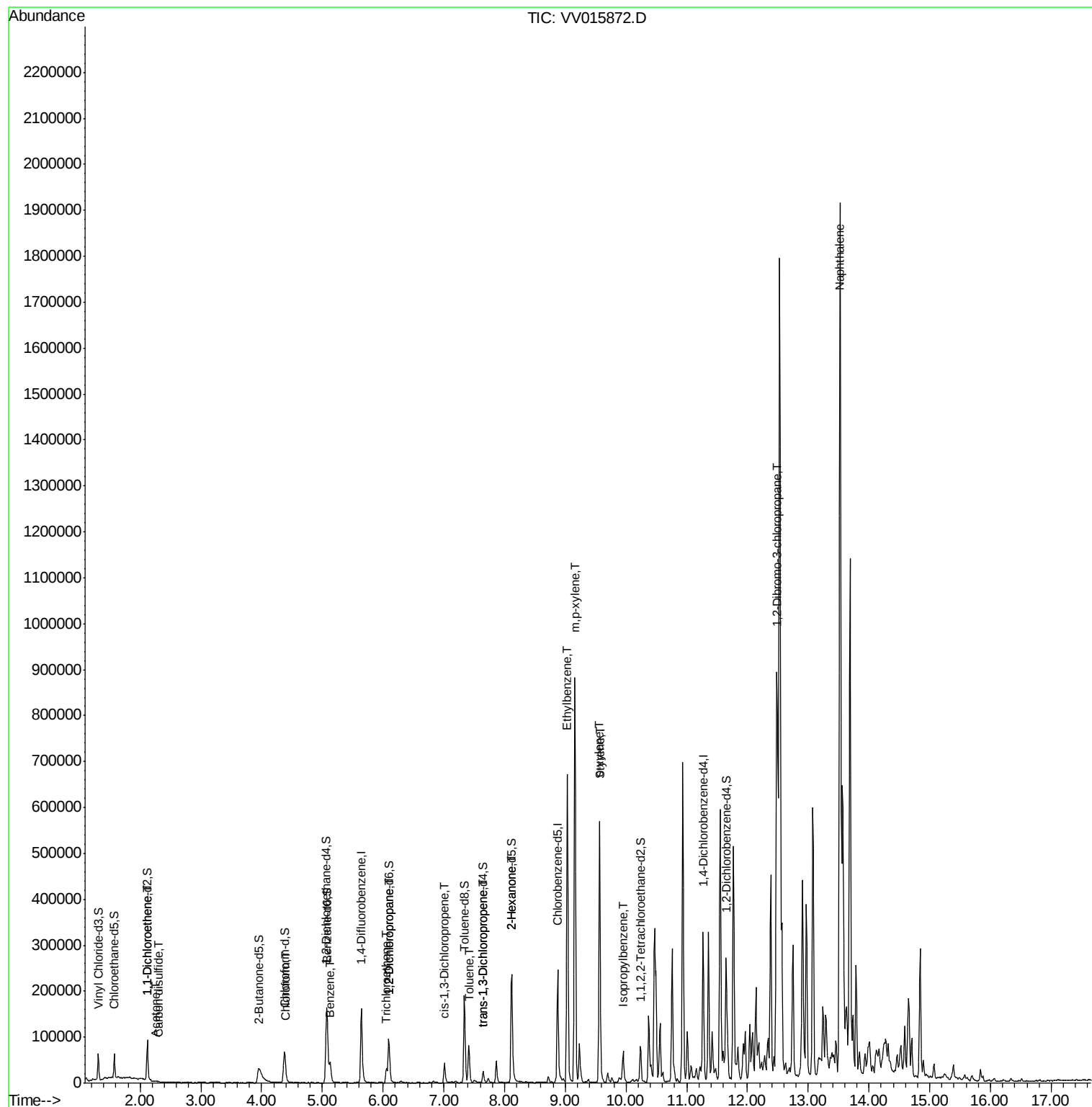
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	13.52	128	1272458	51.857	ug/L	98
-----	-----	-----	-----	-----	-----	-----

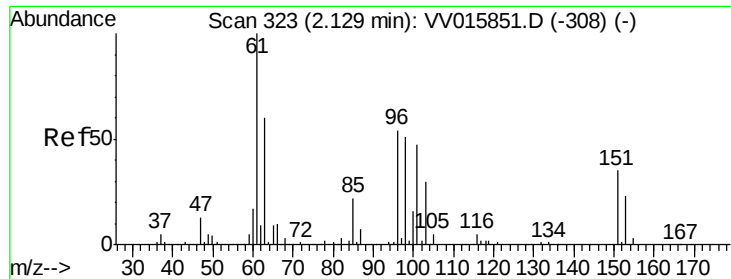
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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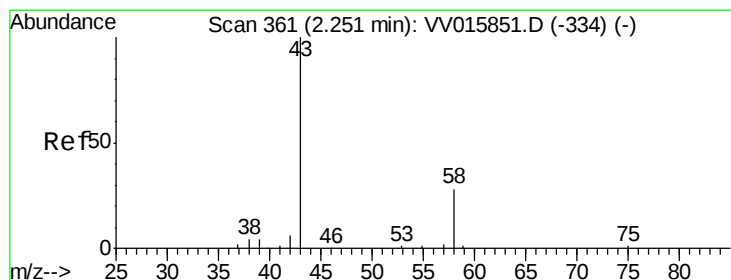
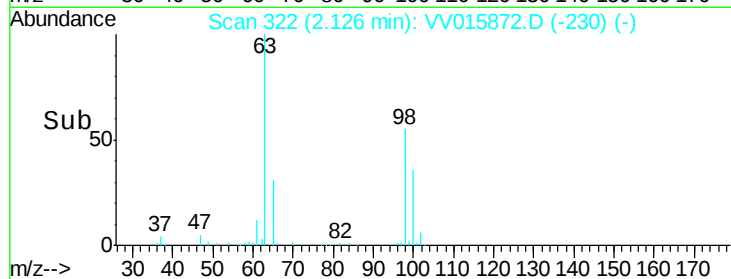
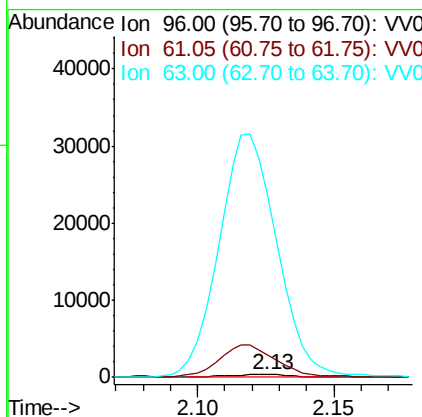
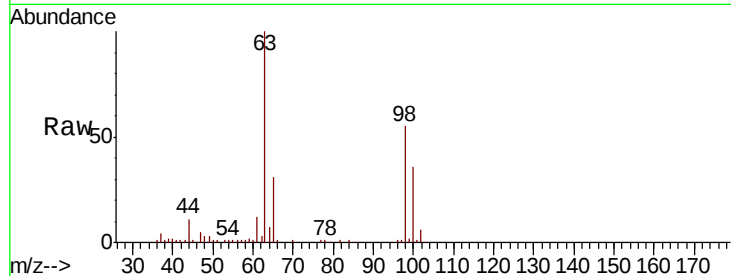




#12
 1,1-Dichloroethene
 Concen: 0.077 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VV015872.D
 Acq: 01 May 2020 20:45

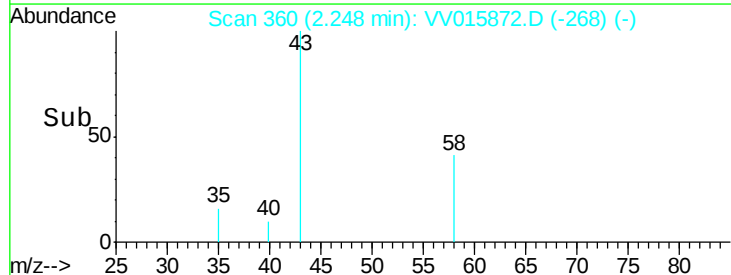
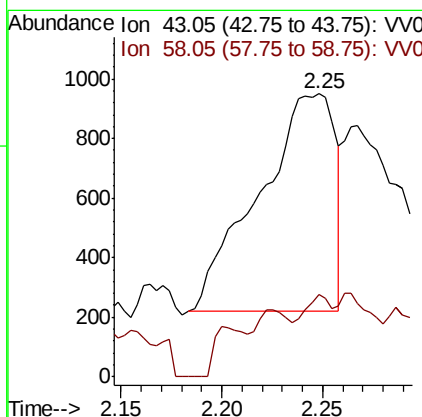
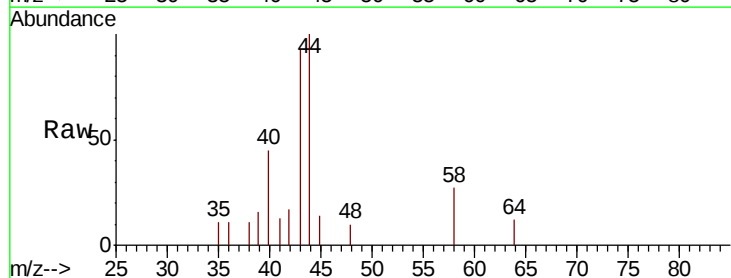
Instrument :
 MSVOA_V
 ClientSampleId :

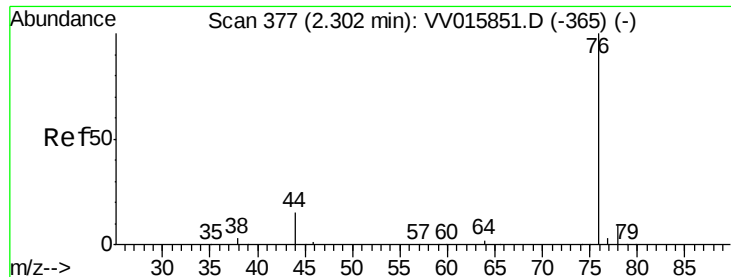
Tot Ion: 96 Resp: 583
 Ion Ratio Lower Upper
 96 100
 61 831.8 130.1 241.7#
 63 6783.8 91.4 169.8#



#13
 Acetone
 Concen: 1.250 ug/L
 RT: 2.25 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VV015872.D
 Acq: 01 May 2020 20:45

Tgt Ion: 43 Resp: 1903
 Ion Ratio Lower Upper
 43 100
 58 14.6 0.0 57.6





#14

Carbon disulfide

Concen: 0.054 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015872.D

Acq: 01 May 2020 20:45

Instrument :

MSVOA_V

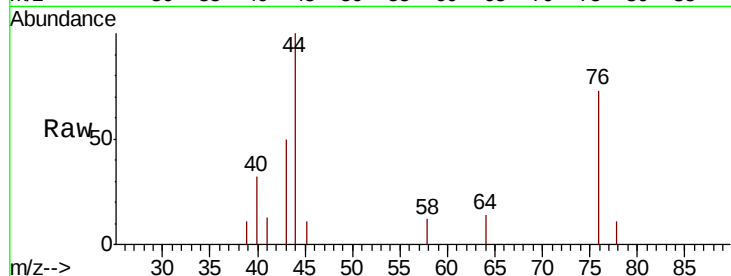
ClientSampled :

Tot Ion: 76 Resp: 1162

Ion Ratio Lower Upper

76 100

78 15.6 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

800

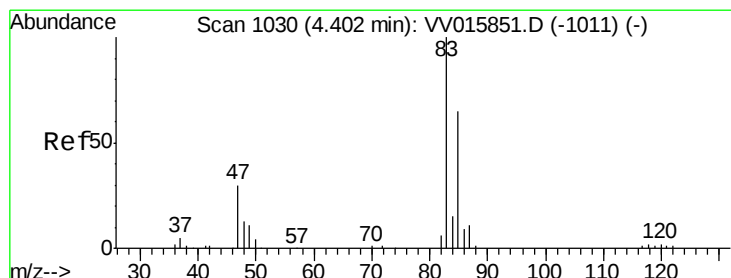
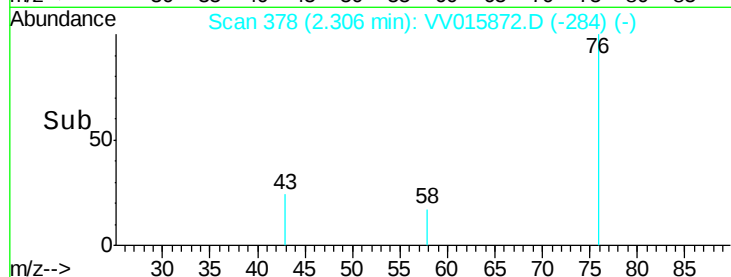
600

400

200

0

Time-->



#25

Chloroform

Concen: 0.107 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015872.D

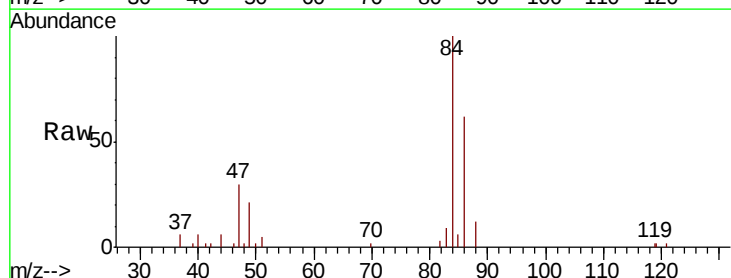
Acq: 01 May 2020 20:45

Tgt Ion: 83 Resp: 1906

Ion Ratio Lower Upper

83 100

85 69.8 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.41

800

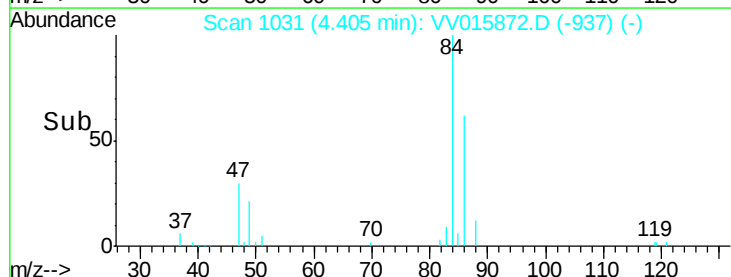
600

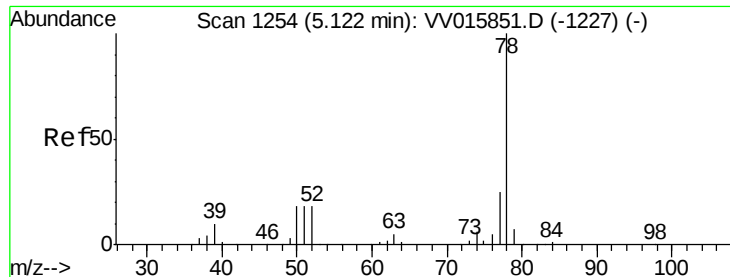
400

200

0

Time-->





#33

Benzene

Concen: 1.215 ug/L

RT: 5.13 min Scan# 1255

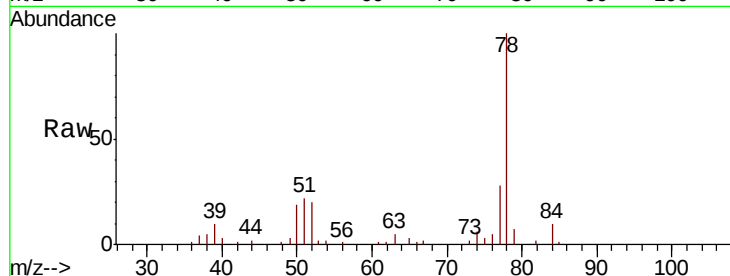
Delta R.T. 0.00 min

Lab File: VV015872.D

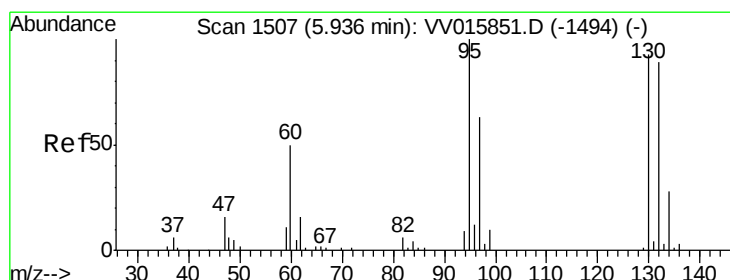
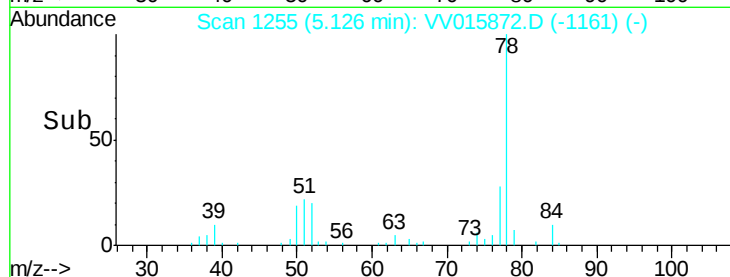
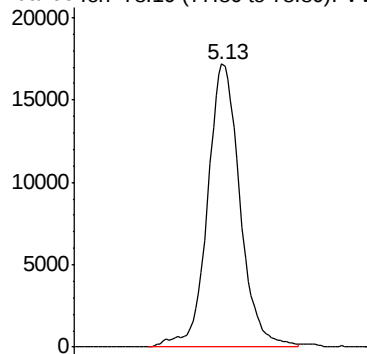
Acq: 01 May 2020 20:45

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 42651



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 1.073 ug/L

RT: 6.05 min Scan# 1544

Delta R.T. 0.12 min

Lab File: VV015872.D

Acq: 01 May 2020 20:45

Tgt Ion: 95 Resp: 10401

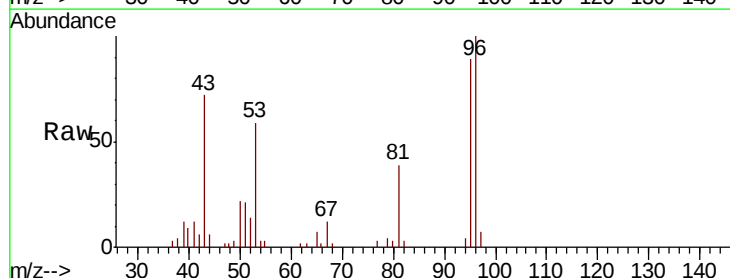
Ion Ratio Lower Upper

95 100

97 7.7 44.7 82.9#

132 0.0 65.2 121.0#

130 0.0 65.0 120.6#

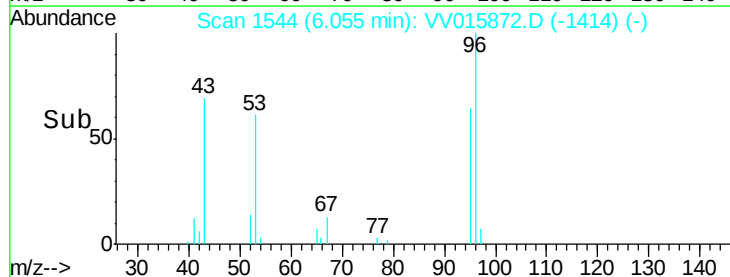
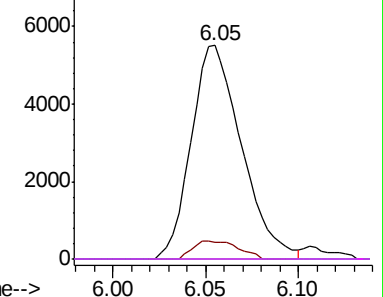


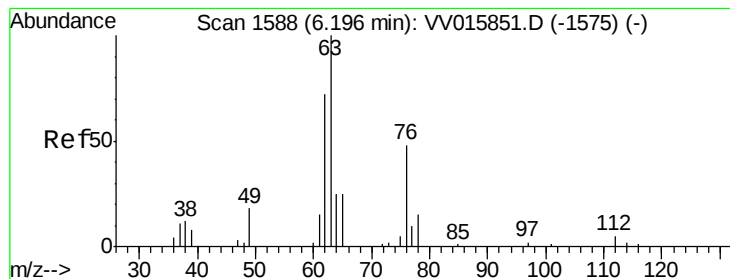
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





#37

1,2-Dichloropropane

Concen: 0.615 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV015872.D

Acq: 01 May 2020 20:45

Instrument :

MSVOA_V

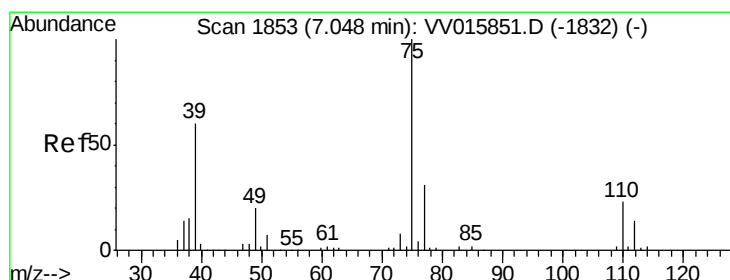
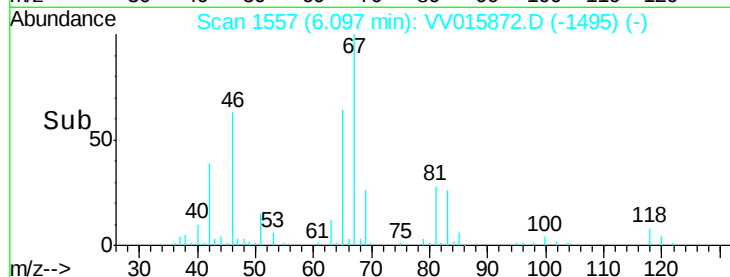
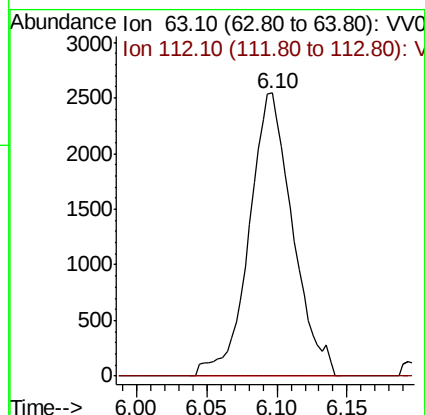
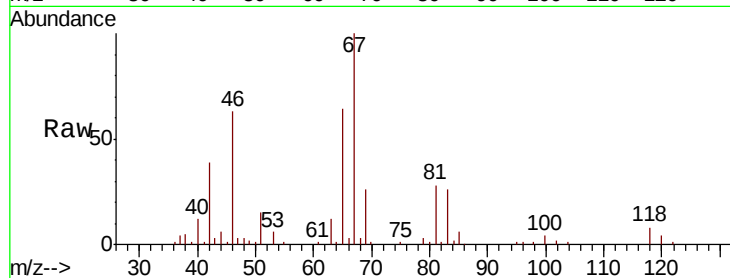
ClientSampleId :

Tot Ion: 63 Resp: 5482

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



#39

cis-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV015872.D

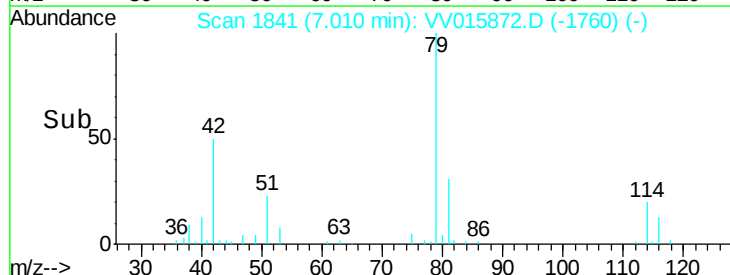
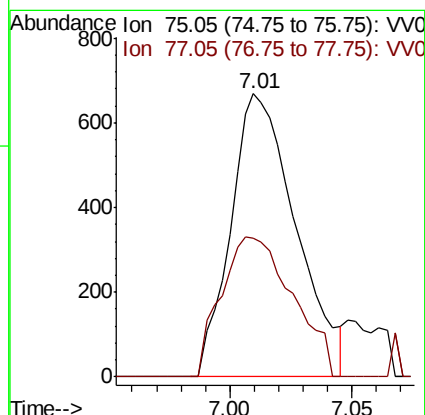
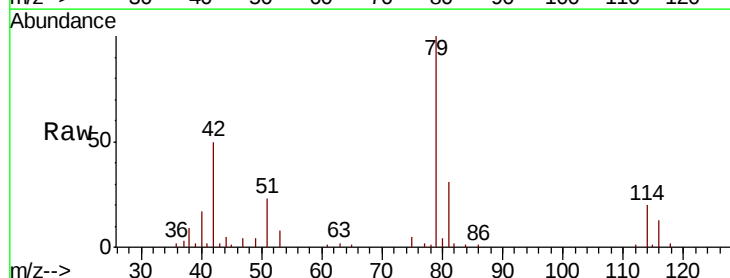
Acq: 01 May 2020 20:45

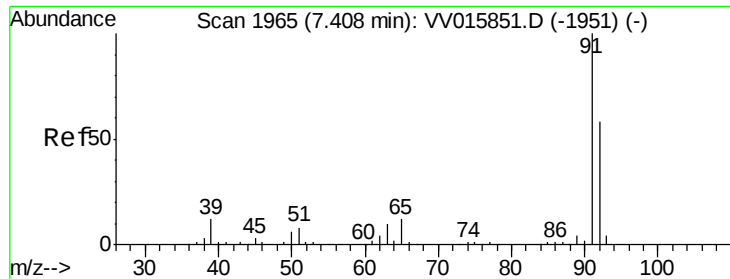
Tgt Ion: 75 Resp: 1236

Ion Ratio Lower Upper

75 100

77 49.1 22.3 41.5#





#42

Toluene

Concen: 1.500 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015872.D

Acq: 01 May 2020 20:45

Instrument :

MSVOA_V

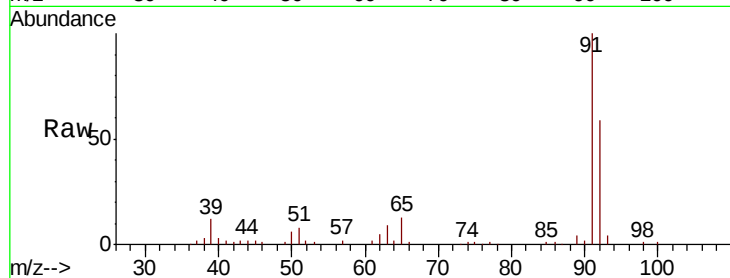
ClientSampleId :

Tot Ion: 91 Resp: 56239

Ion Ratio Lower Upper

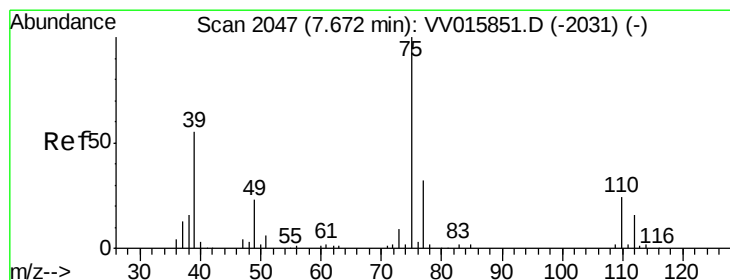
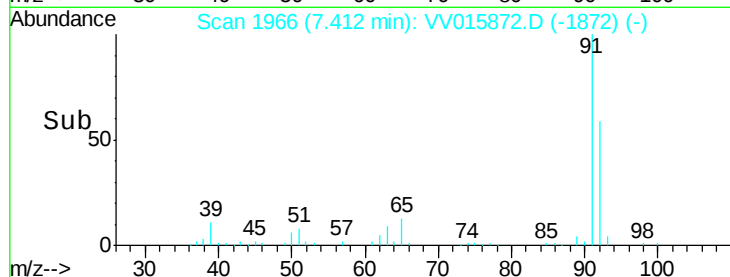
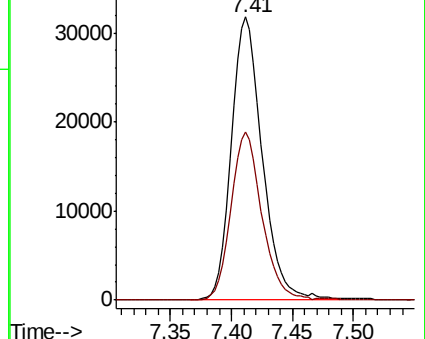
91 100

92 59.3 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV015872.D

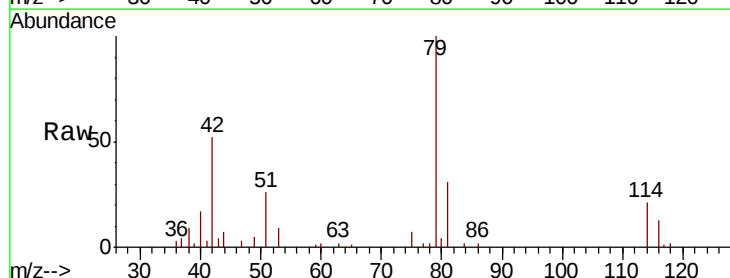
Acq: 01 May 2020 20:45

Tgt Ion: 75 Resp: 773

Ion Ratio Lower Upper

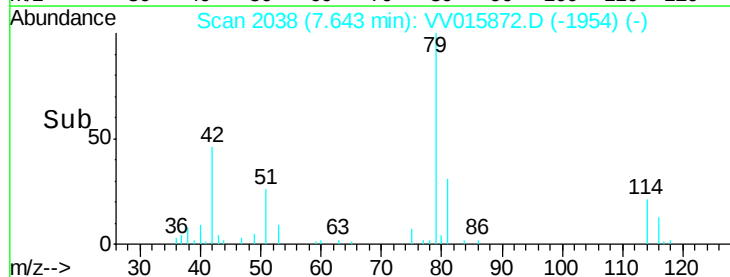
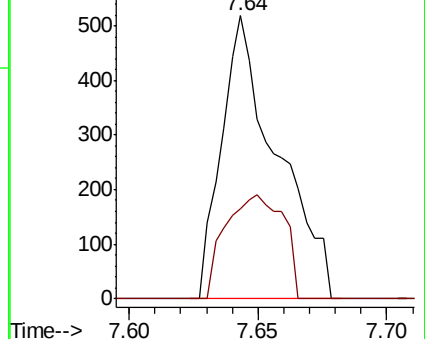
75 100

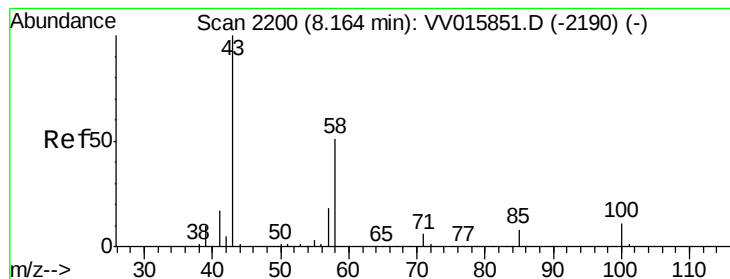
77 31.9 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#48

2-Hexanone

Concen: 2.678 ug/L

RT: 8.11 min Scan# 2184

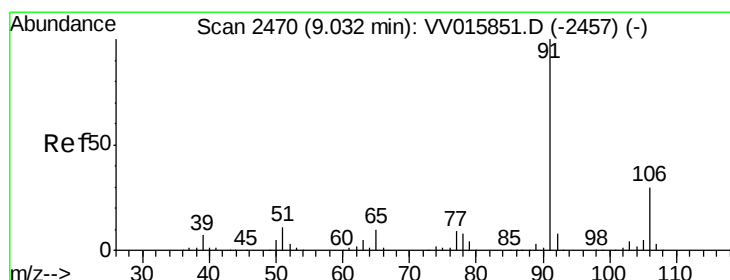
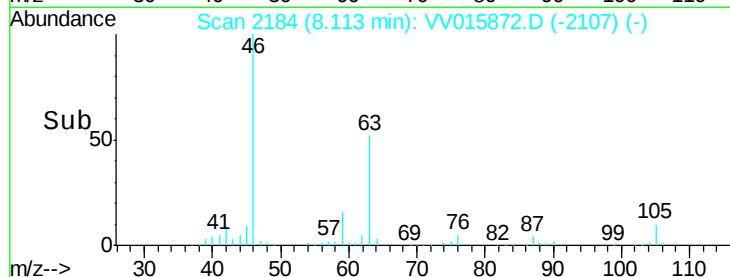
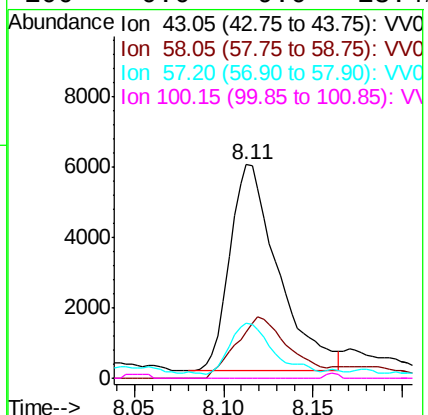
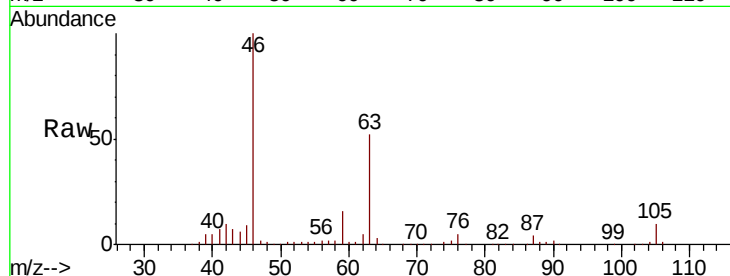
Delta R.T. -0.05 min

Lab File: VV015872.D

Acq: 01 May 2020 20:45

Instrument :
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ClientSampleId :

Tot Ion:	43	Resp:	11057
Ion	Ratio	Lower	Upper
43	100		
58	32.5	41.1	61.7#
57	22.6	15.0	22.4#
100	0.0	9.0	13.4#



#52

Ethylbenzene

Concen: 10.346 ug/L

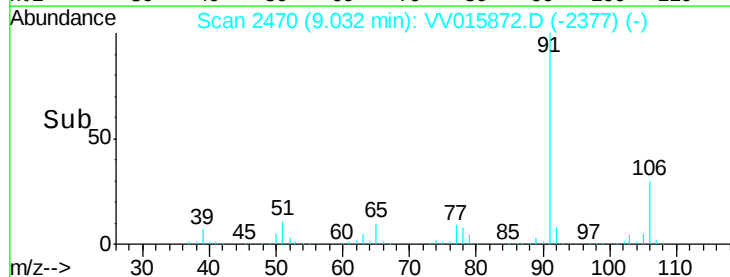
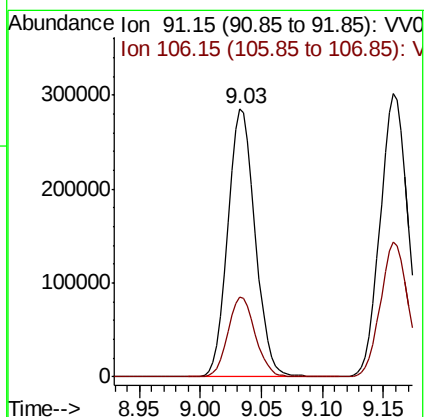
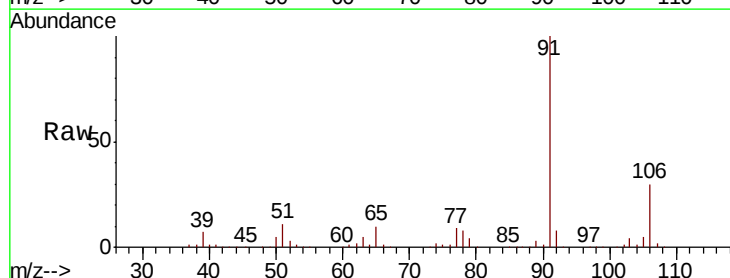
RT: 9.03 min Scan# 2470

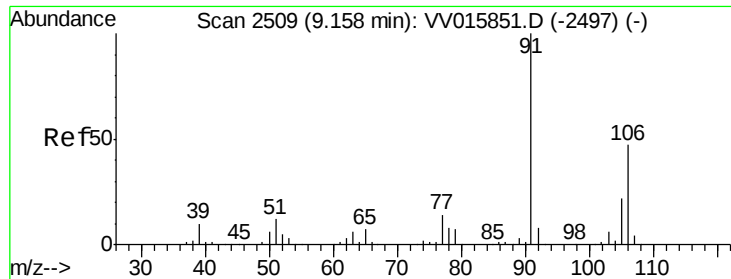
Delta R.T. 0.00 min

Lab File: VV015872.D

Acq: 01 May 2020 20:45

Tgt Ion:	91	Resp:	448912
Ion	Ratio	Lower	Upper
91	100		
106	29.8	21.3	39.5





#53

m,p-xylene

Concen: 14.329 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

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MSVOA_V

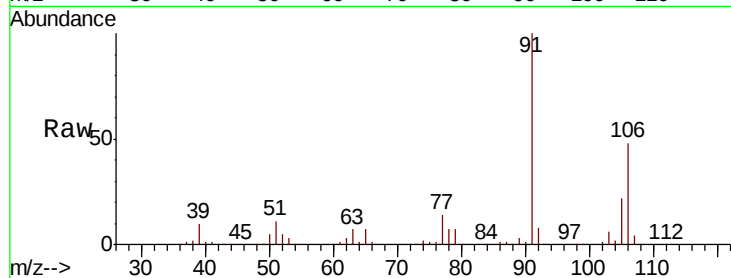
ClientSampleId :

Tot Ion:106 Resp: 227737

Ion Ratio Lower Upper

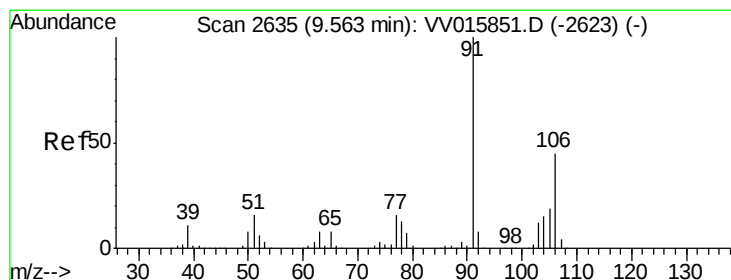
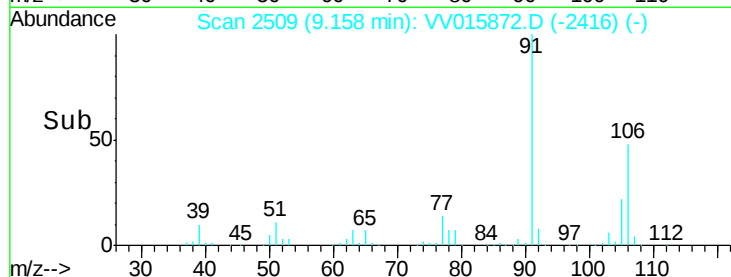
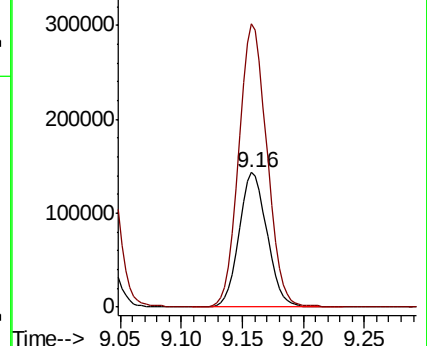
106 100

91 210.2 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 9.054 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV015872.D

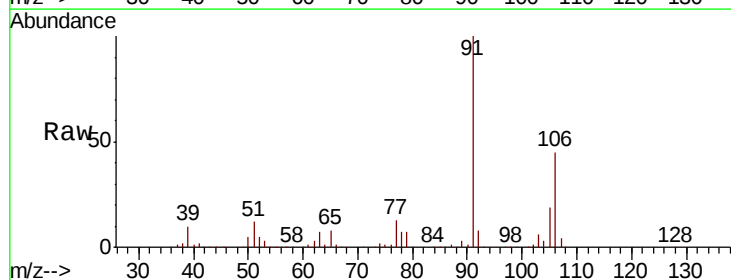
Acq: 01 May 2020 20:45

Tgt Ion:106 Resp: 139233

Ion Ratio Lower Upper

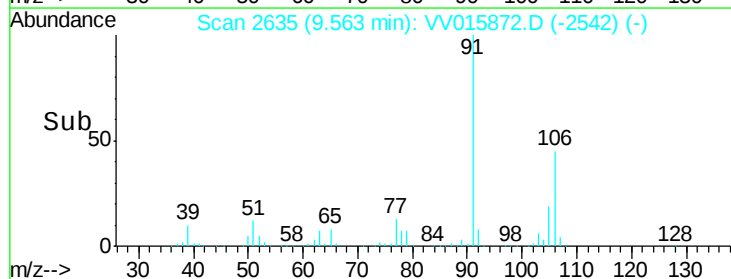
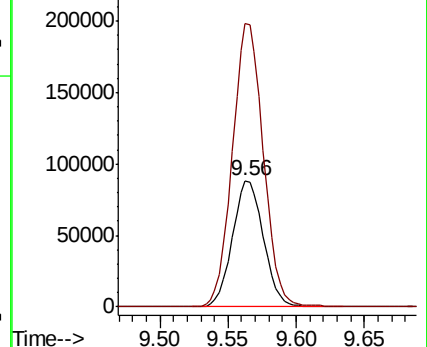
106 100

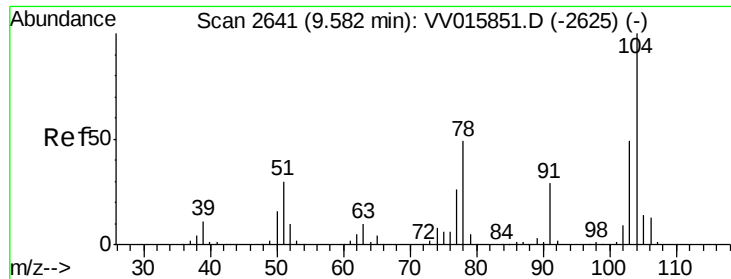
91 224.7 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Stvrene

Concen: 0.576 ug/L

RT: 9.58 min Scan# 2639

Delta R.T. -0.01 min

Lab File: VV015872.D

Acq: 01 May 2020 20:45

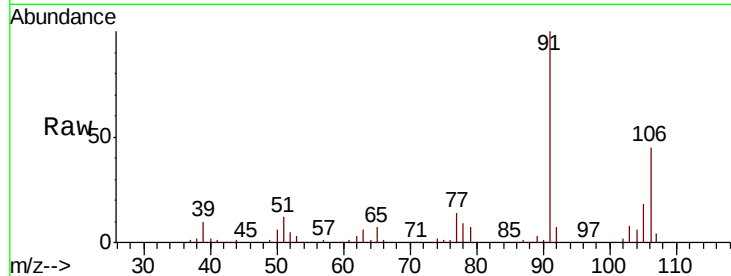
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:104 Resp: 15022

Ion Ratio Lower Upper

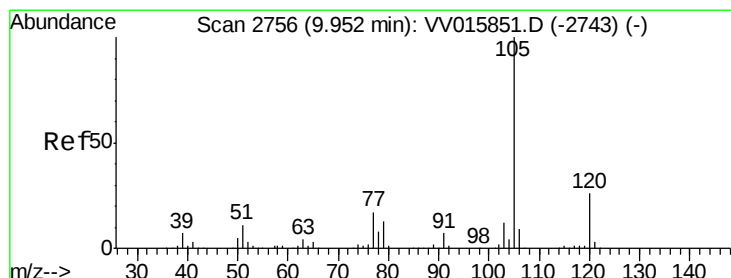
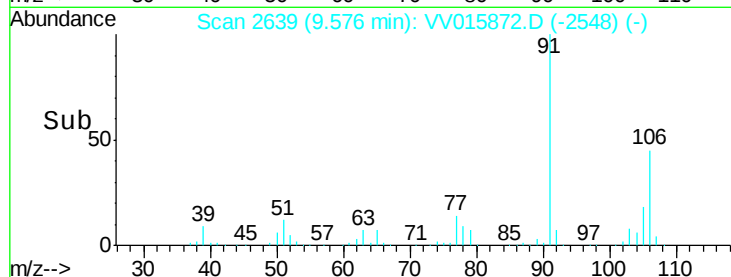
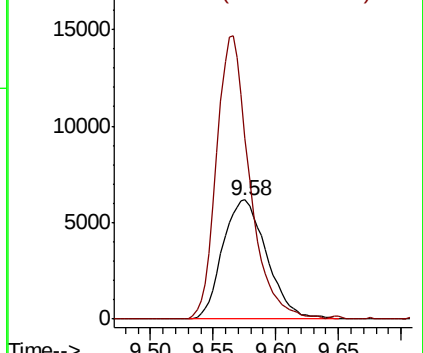
104 100

78 151.3 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: 0.726 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015872.D

Acq: 01 May 2020 20:45

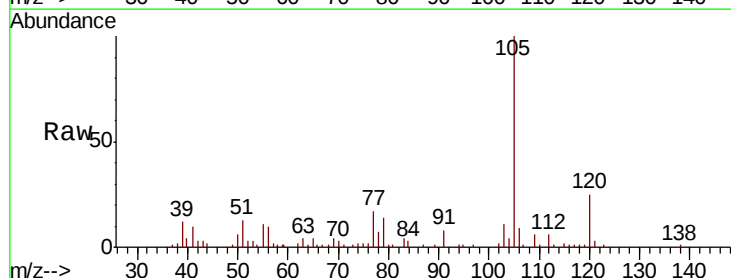
Tgt Ion:105 Resp: 31301

Ion Ratio Lower Upper

105 100

120 25.6 20.7 31.1

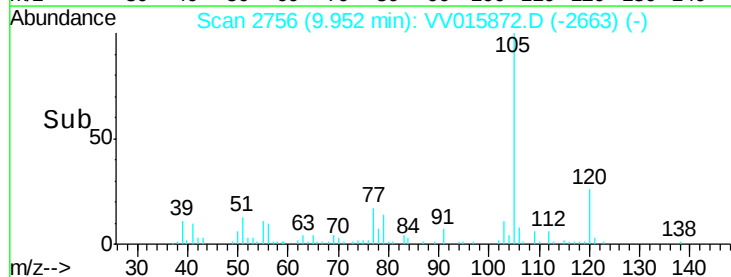
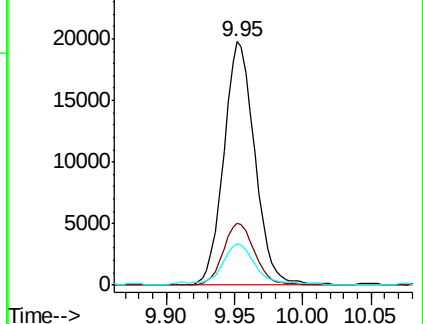
77 18.7 13.9 20.9

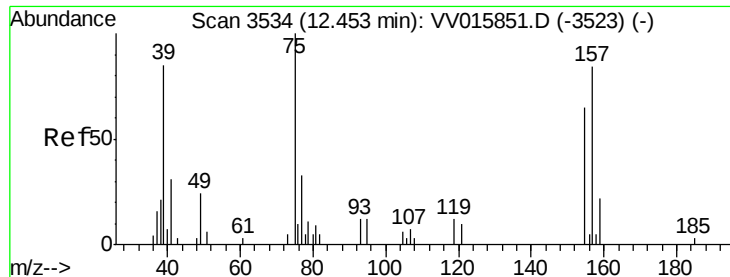


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

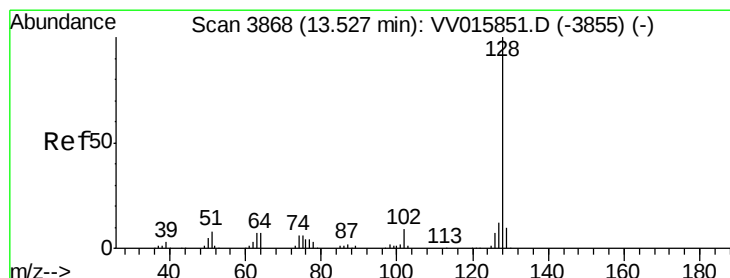
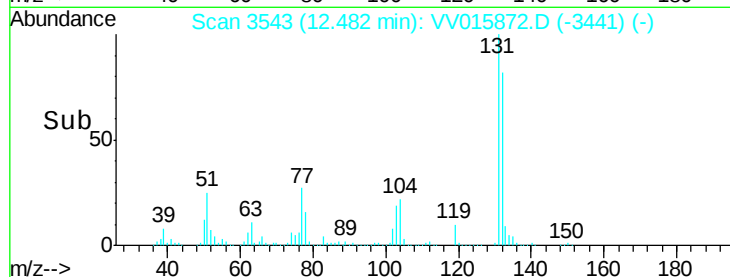
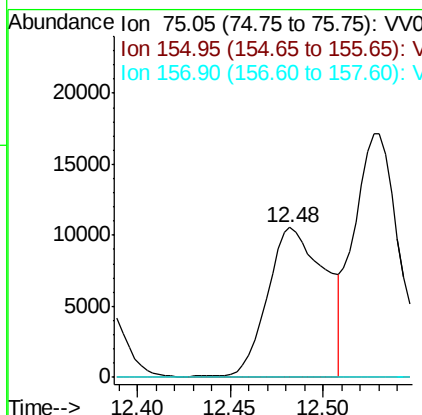
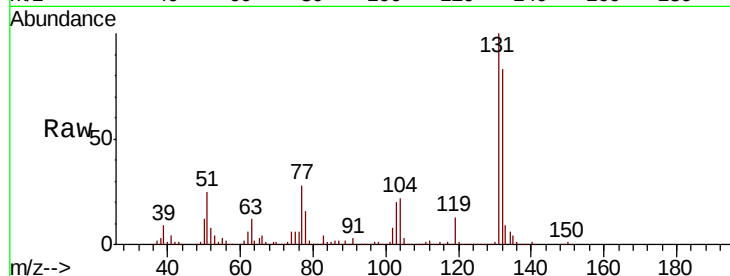




#66
1,2-Dibromo-3-chloropropane
Concen: 19.475 ug/L
RT: 12.48 min Scan# 3543
Delta R.T. 0.03 min
Lab File: VV015872.D
Acq: 01 May 2020 20:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 23132
Ion Ratio Lower Upper
75 100
155 0.0 51.0 76.4#
157 0.0 70.6 106.0#



#69
Naphthalene
Concen: 51.857 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV015872.D
Acq: 01 May 2020 20:45

Tgt Ion: 128 Resp: 1272458
Ion Ratio Lower Upper
128 100
129 11.4 8.4 12.6
127 13.3 10.2 15.4

