

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
 Data File : VV015854.D
 Acq On : 01 May 2020 13:01
 Operator : SY/MD
 Sample : L2431-19 50X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 02 00:09:07 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	117188	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	115190	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	60025	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31402	5.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.60%
7) Chloroethane-d5	1.58	69	28841	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.12	63	47662	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	3.93	46	93667	47.63	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.26%
24) Chloroform-d	4.38	84	64352	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.06	65	38314	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.08	84	127158	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.10	67	44247	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.34	98	111701	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	7.65	79	13110	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.11	63	66258	39.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.98%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	29553	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	45406	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	867	0.100 ug/L	94
8) Chloroethane	1.59	64	978	0.161 ug/L #	77
16) Methylene chloride	2.53	84	1778	0.211 ug/L	93
25) Chloroform	4.41	83	5256	0.330 ug/L	100
33) Benzene	5.13	78	69336	2.107 ug/L	100
34) Trichloroethene	6.05	95	27919	3.072 ug/L #	9
35) Methylcyclohexane	6.10	83	10009	0.718 ug/L #	21
37) 1,2-Dichloropropane	6.09	63	5819	0.696 ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1378	0.118 ug/L #	58
42) Toluene	7.41	91	221632	6.303 ug/L	99
48) 2-Hexanone	8.17	43	7061	1.824 ug/L #	88
52) Ethylbenzene	9.04	91	97300	2.391 ug/L	98
53) m,p-xylene	9.16	106	50988	3.421 ug/L	95
54) o-xylene	9.57	106	30172	2.092 ug/L	100
55) Styrene	9.58	104	4435	0.181 ug/L #	20
56) Isopropylbenzene	9.95	105	5276	0.130 ug/L #	93
66) 1,2-Dibromo-3-chloropropan	12.48	75	1922	1.717 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

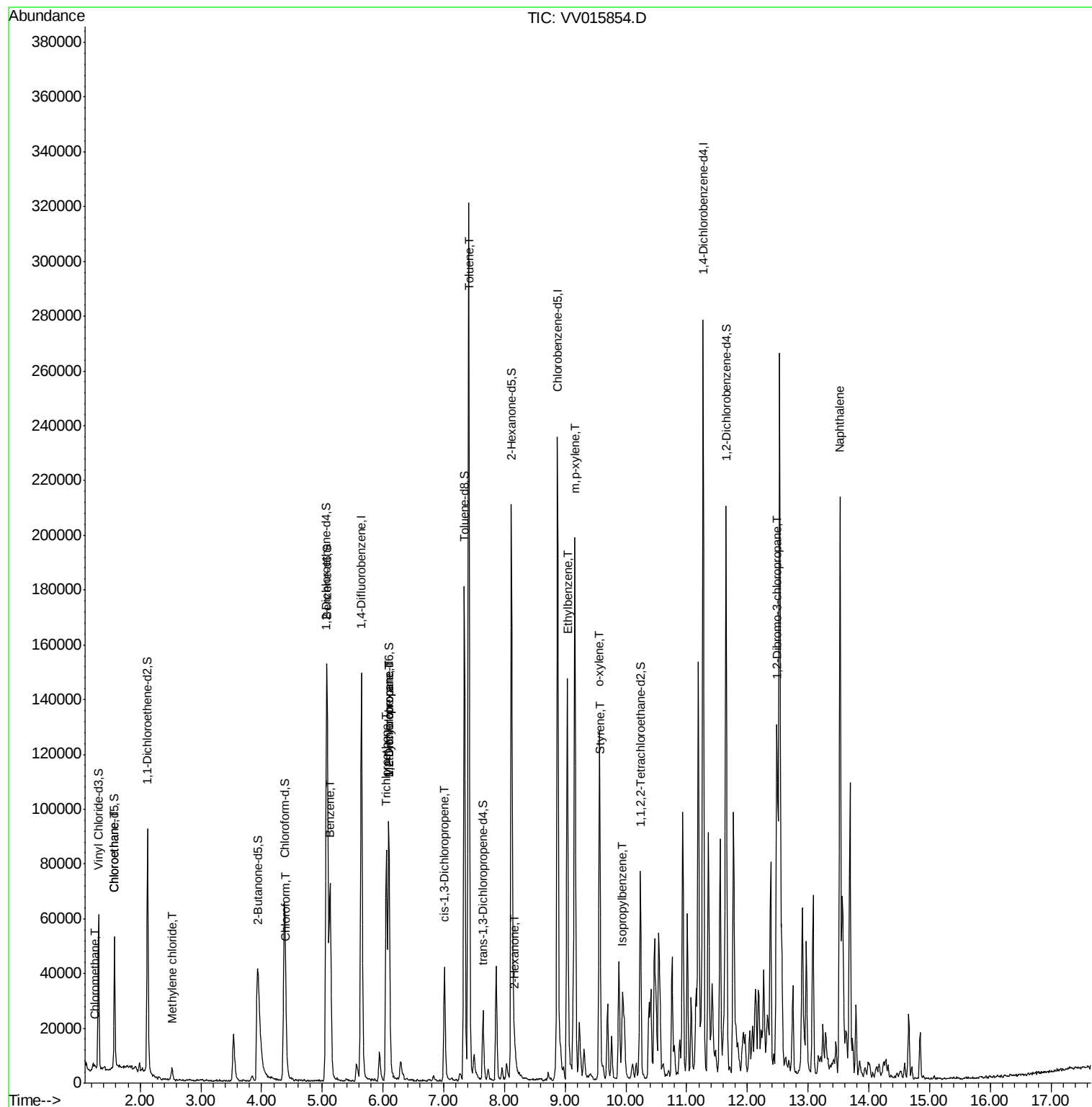
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.53	128	140360	6.069	ug/L	98

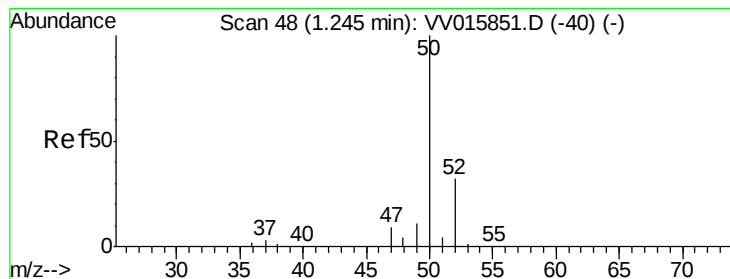
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.100 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.01 min

Lab File: VV015854.D

Acq: 01 May 2020 13:01

Instrument :

MSVOA_V

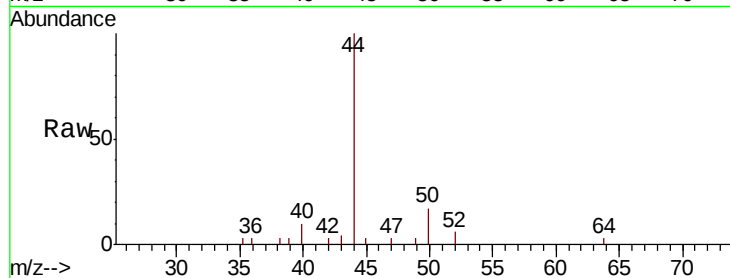
ClientSampleId :

Tot Ion: 50 Resp: 867

Ion Ratio Lower Upper

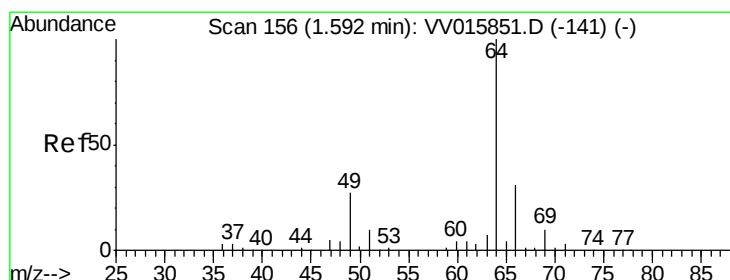
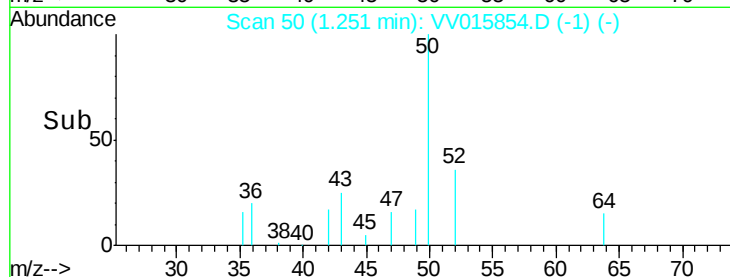
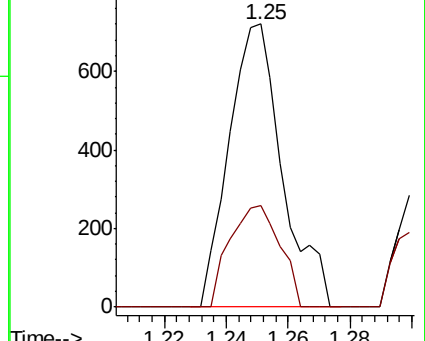
50 100

52 36.1 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 0.161 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV015854.D

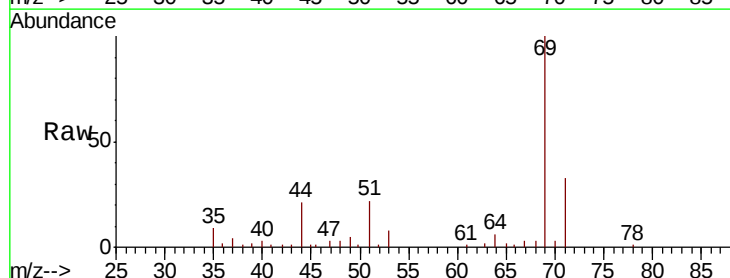
Acq: 01 May 2020 13:01

Tgt Ion: 64 Resp: 978

Ion Ratio Lower Upper

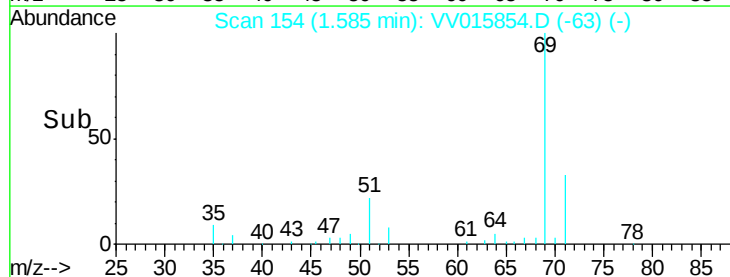
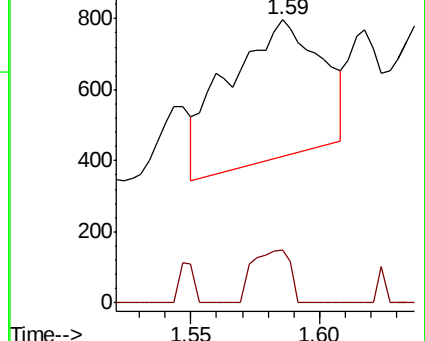
64 100

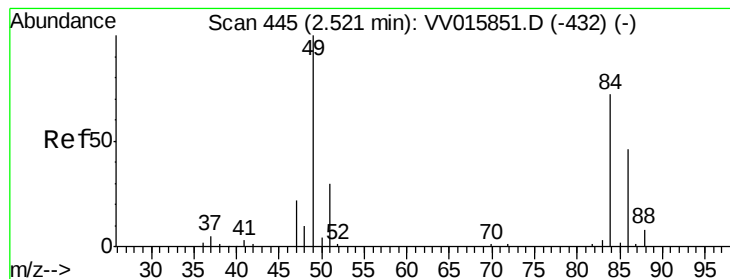
66 18.8 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#16

Methvlene chloride

Concen: 0.211 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV015854.D

Acq: 01 May 2020 13:01

Instrument :

MSVOA_V

ClientSampleId :

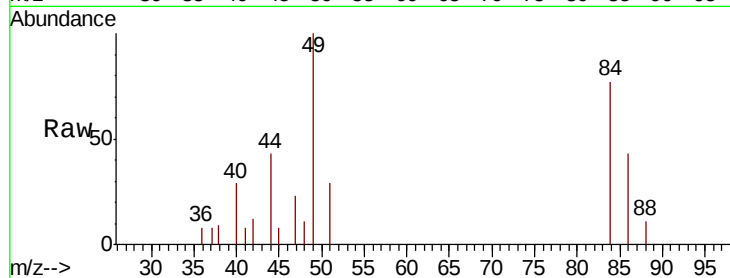
Tot Ion: 84 Resp: 1778

Ion Ratio Lower Upper

84 100

86 55.0 45.1 83.7

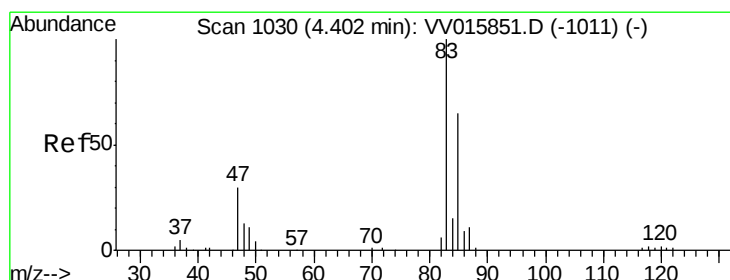
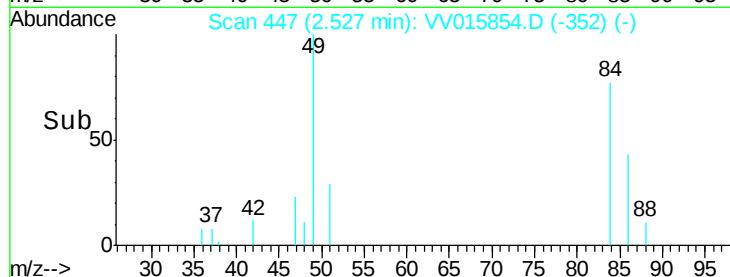
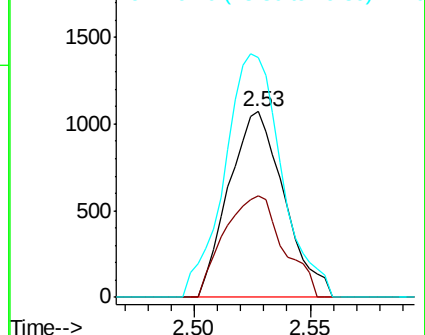
49 129.4 94.4 175.4



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



#25

Chloroform

Concen: 0.330 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV015854.D

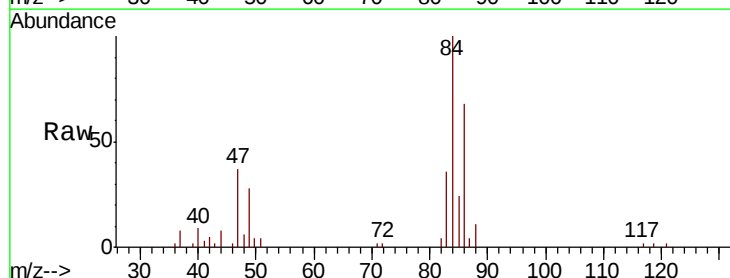
Acq: 01 May 2020 13:01

Tgt Ion: 83 Resp: 5256

Ion Ratio Lower Upper

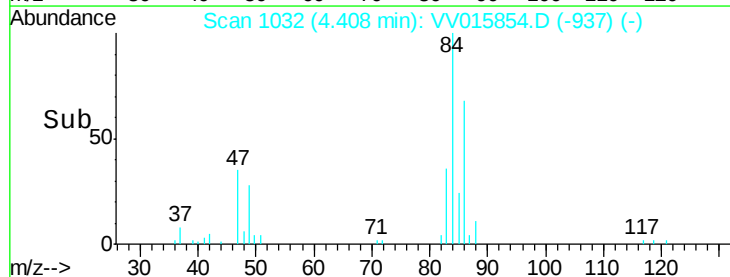
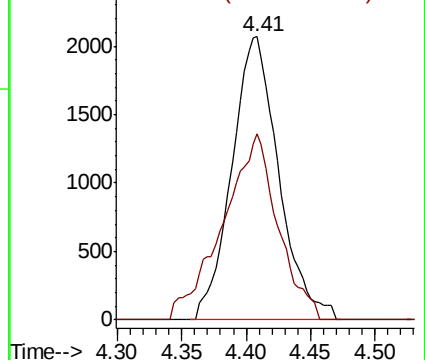
83 100

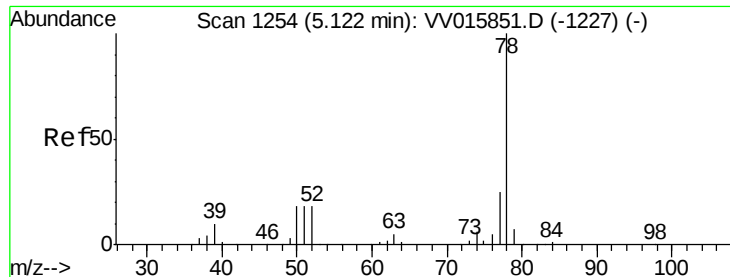
85 66.0 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 2.107 ug/L

RT: 5.13 min Scan# 1256

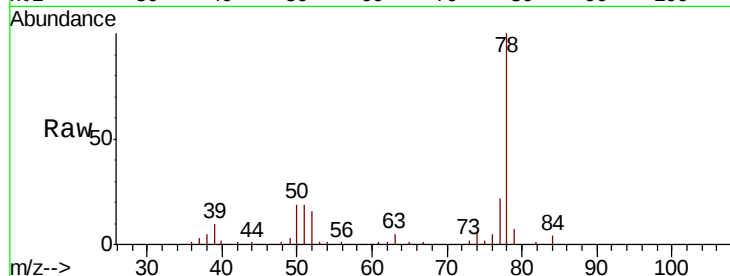
Delta R.T. 0.01 min

Lab File: VV015854.D

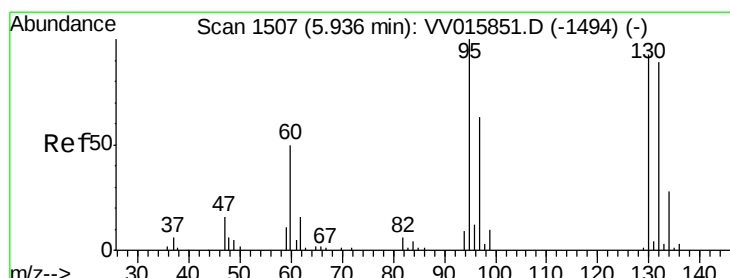
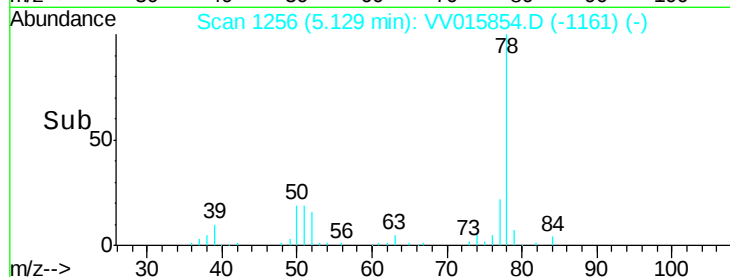
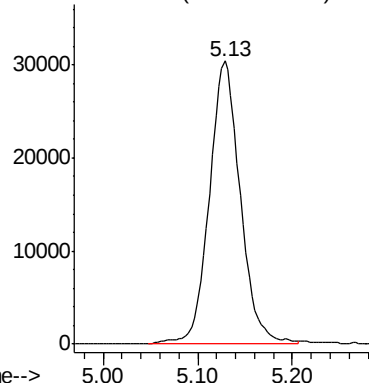
Acq: 01 May 2020 13:01

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 69336



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 3.072 ug/L

RT: 6.05 min Scan# 1544

Delta R.T. 0.12 min

Lab File: VV015854.D

Acq: 01 May 2020 13:01

Tgt Ion: 95 Resp: 27919

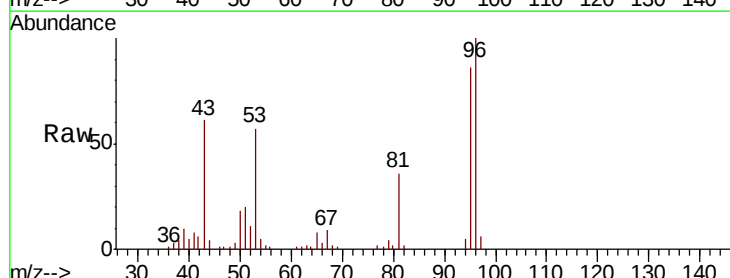
Ion Ratio Lower Upper

95 100

97 7.0 44.7 82.9#

132 0.0 65.2 121.0#

130 0.0 65.0 120.6#

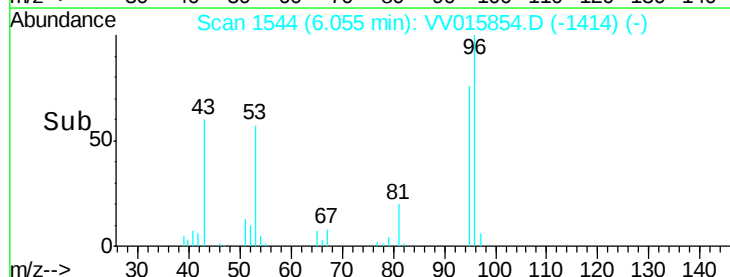
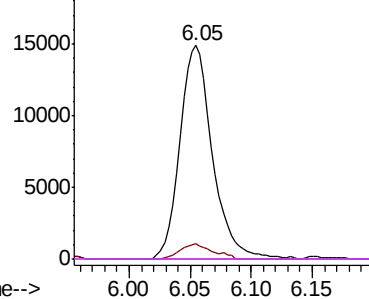


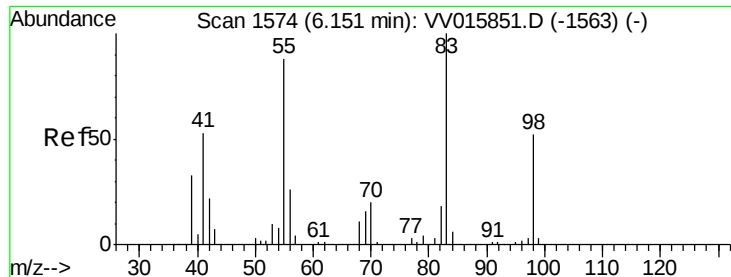
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

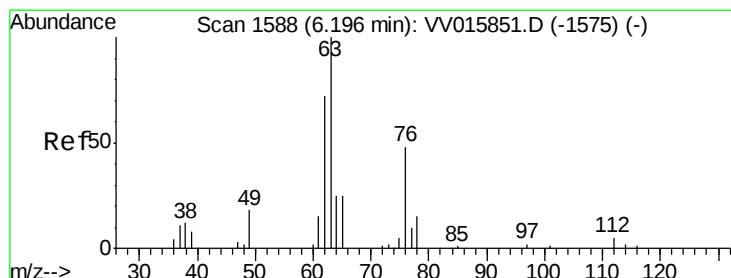
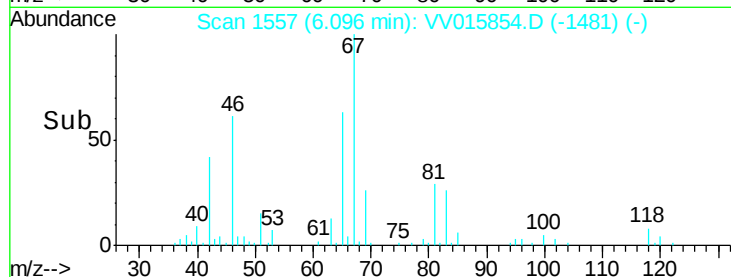
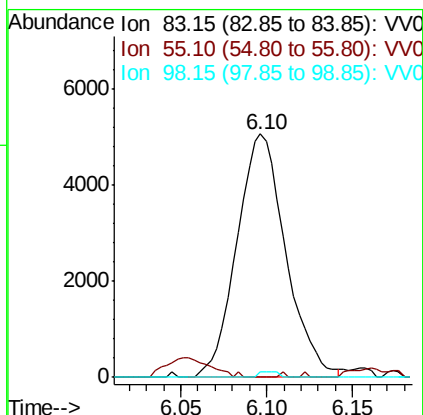
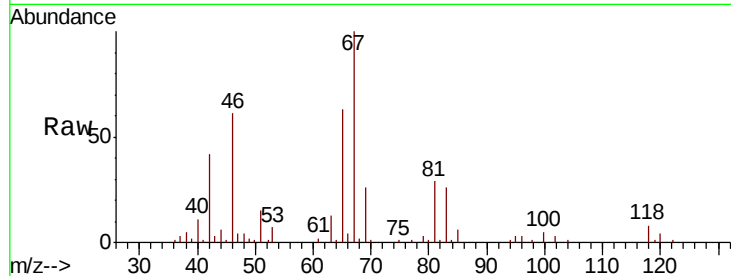




#35
Methvlcvclohexane
Concen: 0.718 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015854.D
Acq: 01 May 2020 13:01

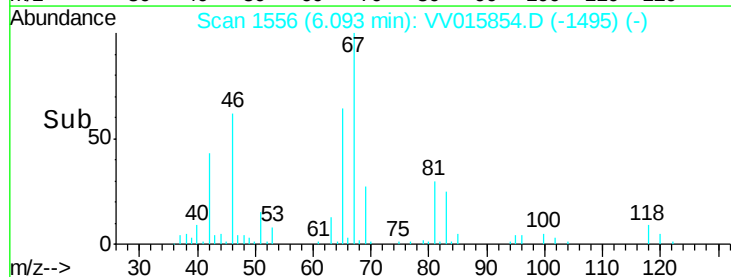
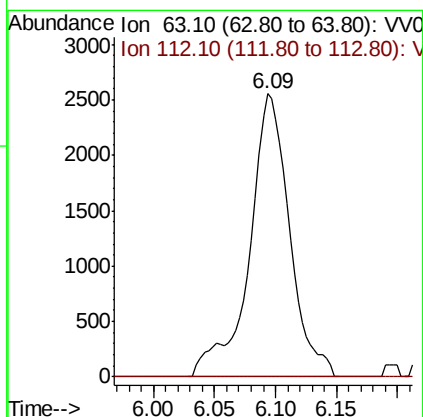
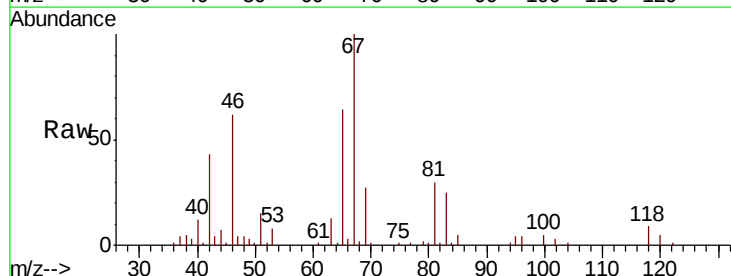
Instrument :
MSVOA_V
ClientSampleId :

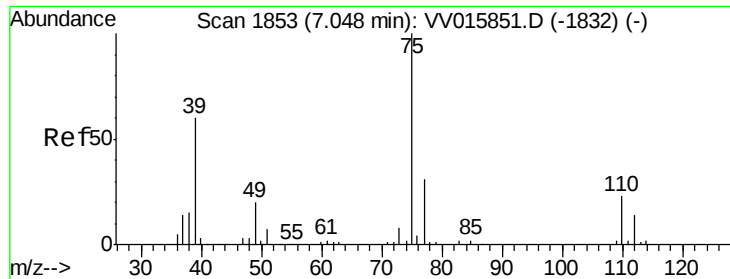
Tot Ion: 83 Resp: 10009
Ion Ratio Lower Upper
83 100
55 7.4 66.6 99.8#
98 0.9 39.5 59.3#



#37
1,2-Dichloropropane
Concen: 0.696 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015854.D
Acq: 01 May 2020 13:01

Tgt Ion: 63 Resp: 5819
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#

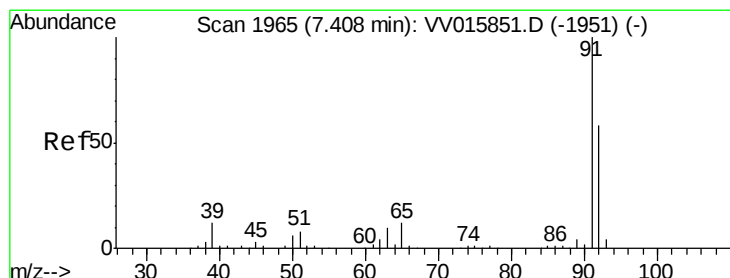
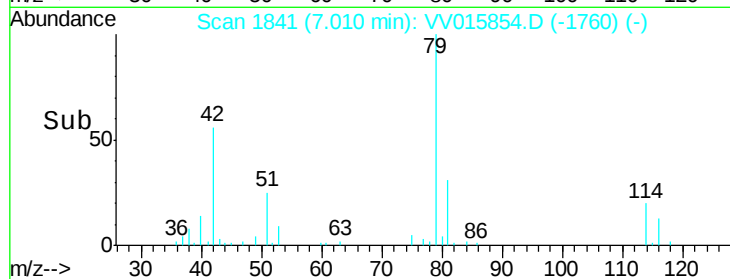
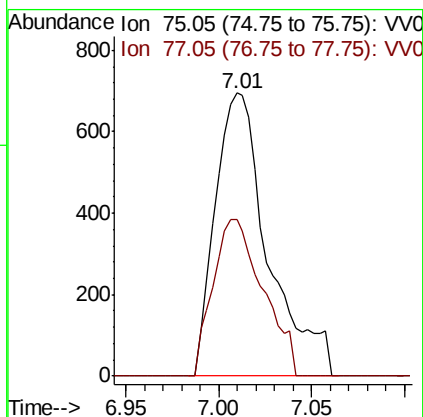
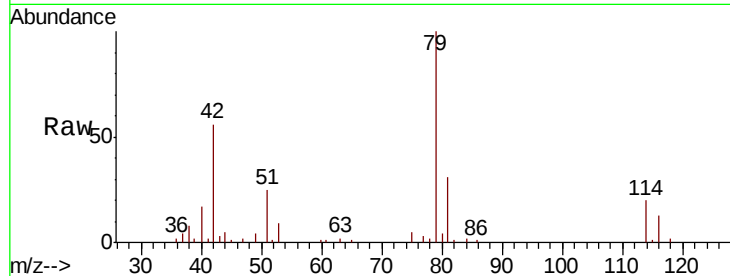




#39
 cis-1,3-Dichloropropene
 Concen: 0.118 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015854.D
 Acq: 01 May 2020 13:01

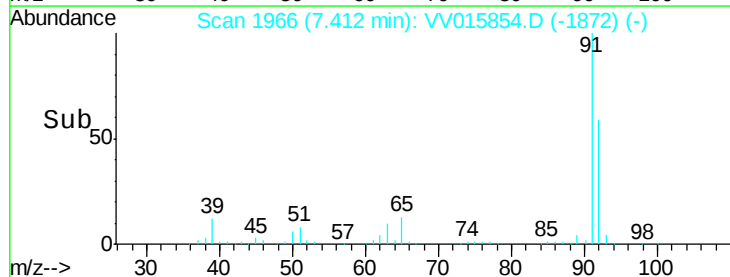
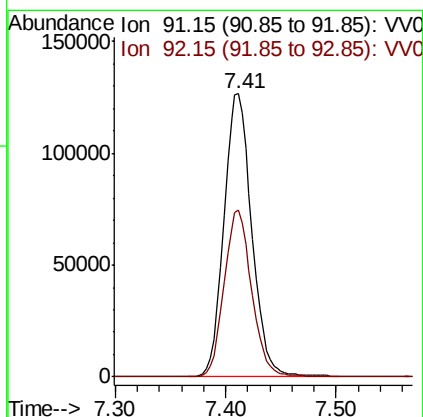
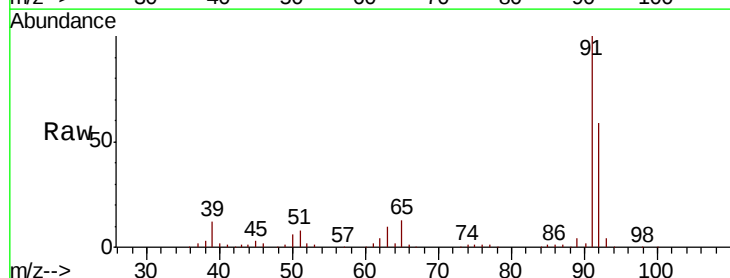
Instrument :
 MSVOA_V
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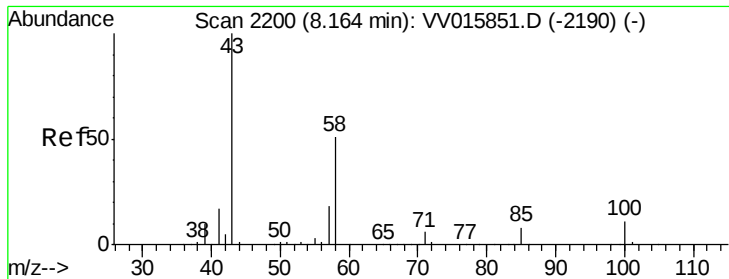
Tot Ion: 75 Resp: 1378
 Ion Ratio Lower Upper
 75 100
 77 55.4 22.3 41.5#



#42
 Toluene
 Concen: 6.303 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV015854.D
 Acq: 01 May 2020 13:01

Tgt Ion: 91 Resp: 221632
 Ion Ratio Lower Upper
 91 100
 92 58.8 40.7 75.7

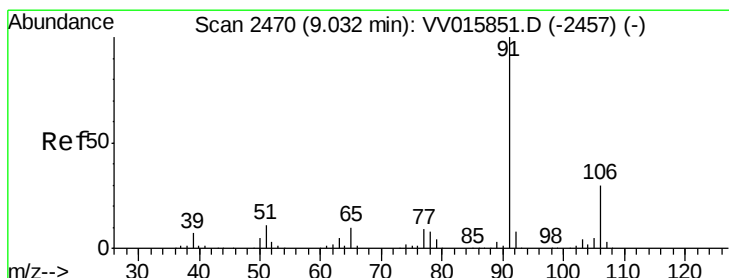
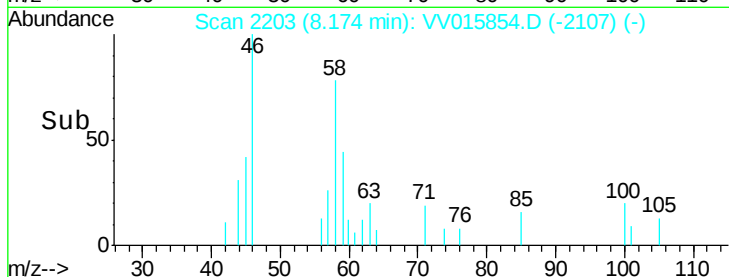
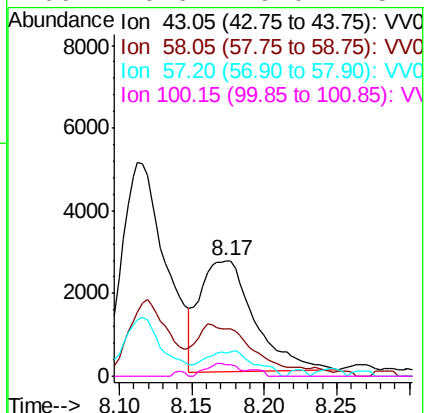
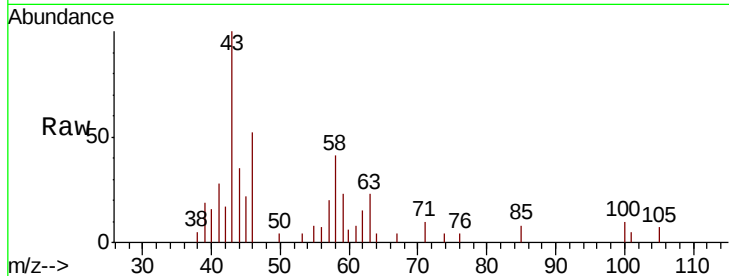




#48
2-Hexanone
Concen: 1.824 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.01 min
Lab File: VV015854.D
Acq: 01 May 2020 13:01

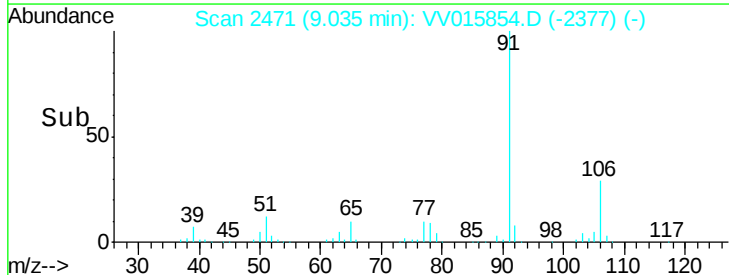
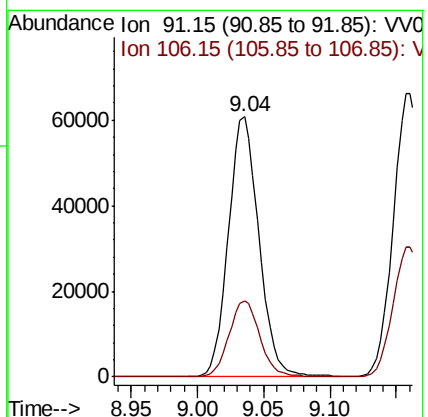
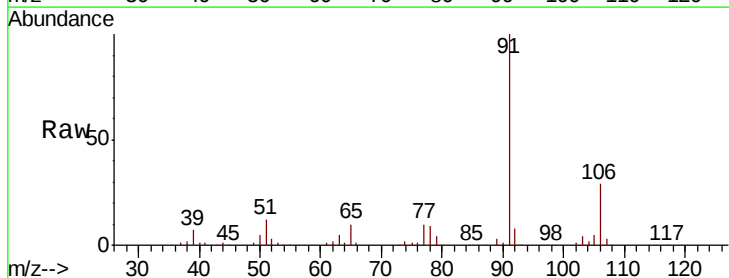
Instrument :
MSVOA_V
ClientSampled :

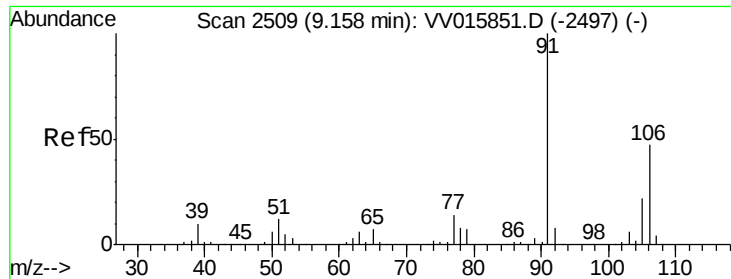
Tot Ion: 43 Resp: 7061
Ion Ratio Lower Upper
43 100
58 40.5 41.1 61.7#
57 20.1 15.0 22.4
100 6.6 9.0 13.4#



#52
Ethylbenzene
Concen: 2.391 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015854.D
Acq: 01 May 2020 13:01

Tgt Ion: 91 Resp: 97300
Ion Ratio Lower Upper
91 100
106 29.4 21.3 39.5





#53

m,p-xylene

Concen: 3.421 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015854.D

Acq: 01 May 2020 13:01

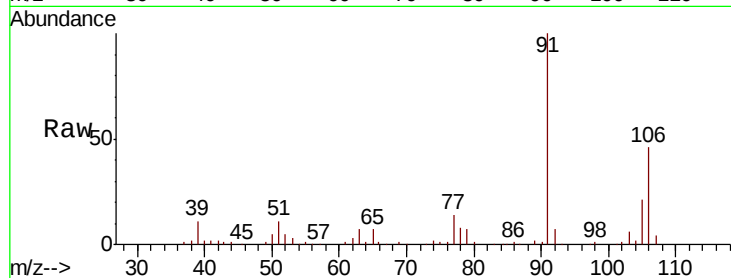
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 50988

Ion Ratio Lower Upper

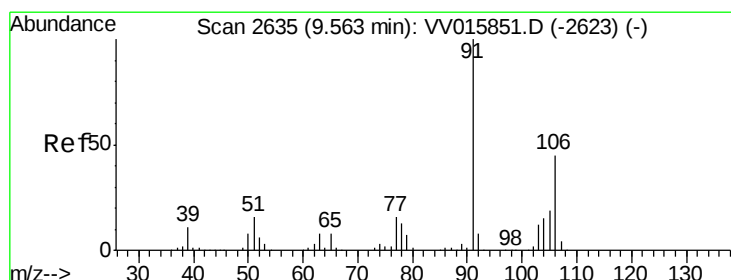
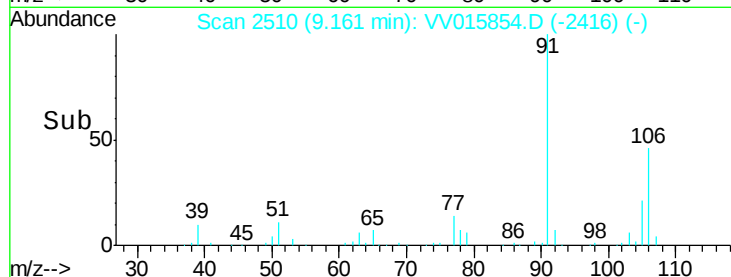
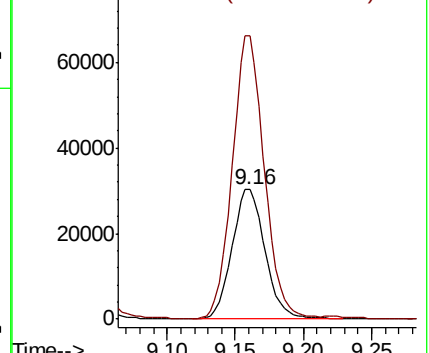
106 100

91 218.2 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 2.092 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015854.D

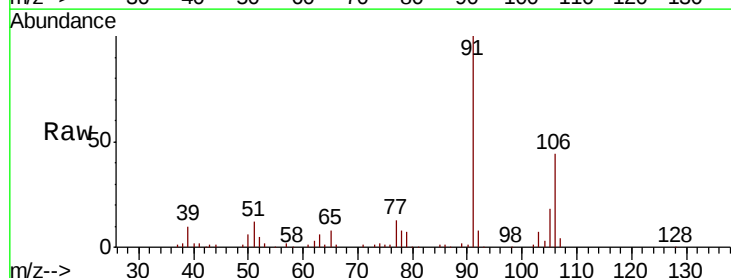
Acq: 01 May 2020 13:01

Tgt Ion:106 Resp: 30172

Ion Ratio Lower Upper

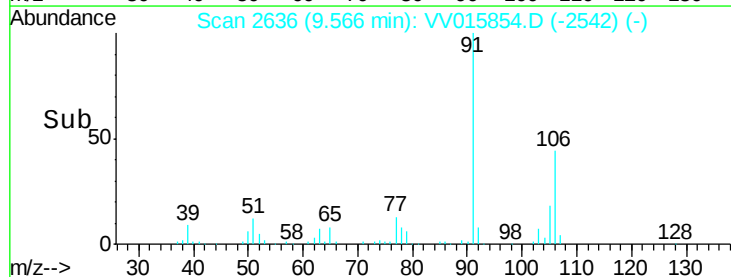
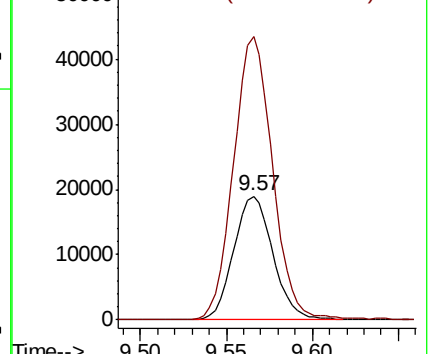
106 100

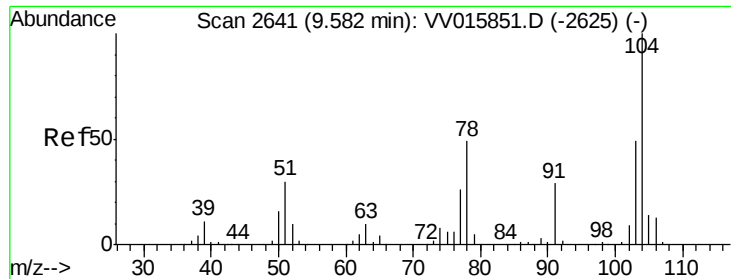
91 228.8 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

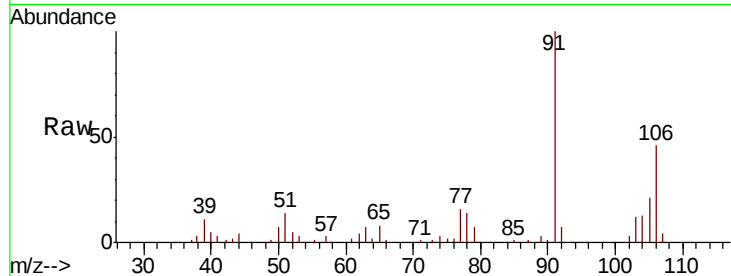




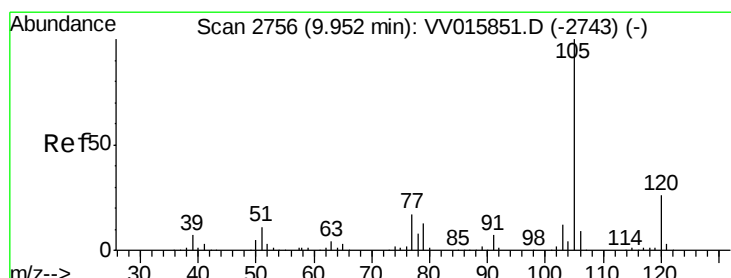
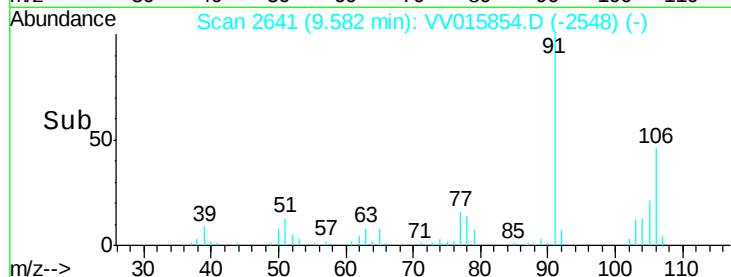
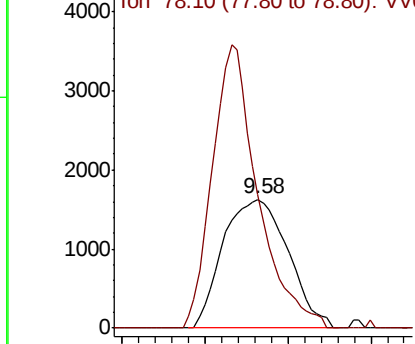
#55
Stvrene
Concen: 0.181 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV015854.D
Acq: 01 May 2020 13:01

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:104 Resp: 4435
Ion Ratio Lower Upper
104 100
78 103.9 34.5 64.1#

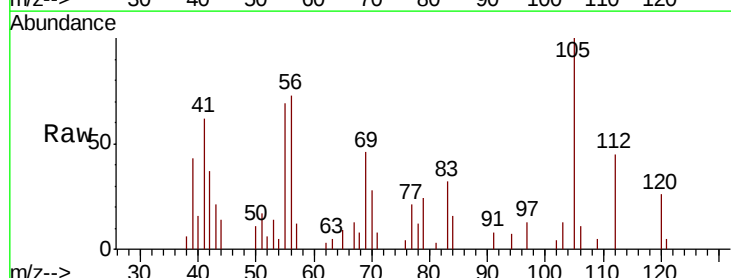


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0

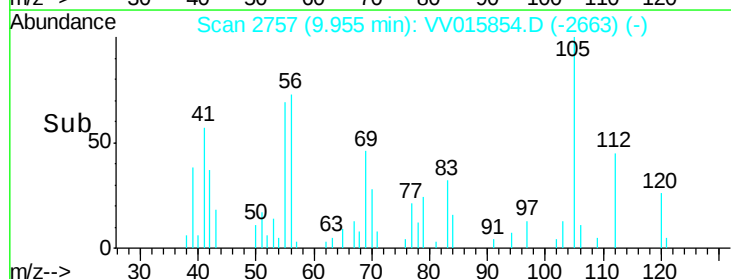
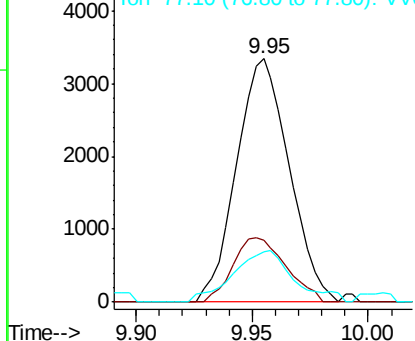


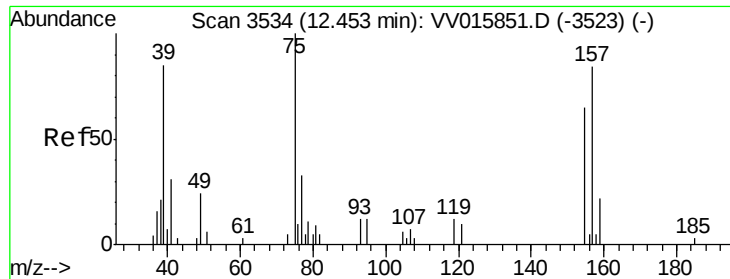
#56
Isopropylbenzene
Concen: 0.130 ug/L
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VV015854.D
Acq: 01 May 2020 13:01

Tgt Ion:105 Resp: 5276
Ion Ratio Lower Upper
105 100
120 26.7 20.7 31.1
77 24.4 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

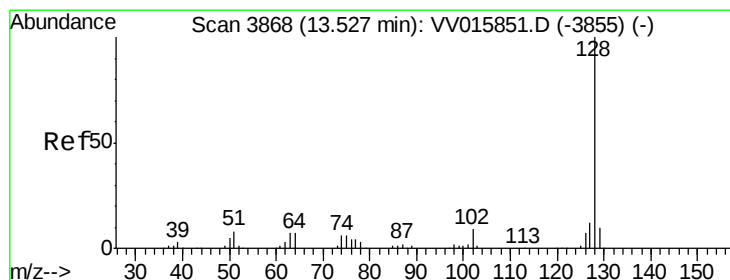
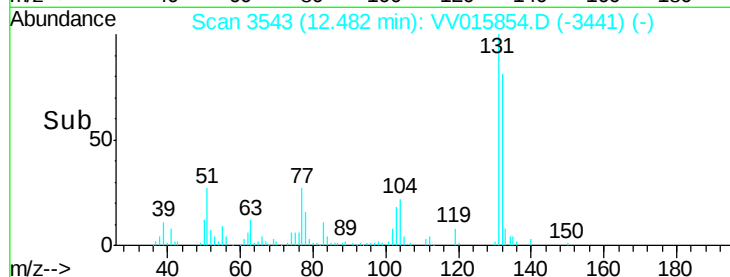
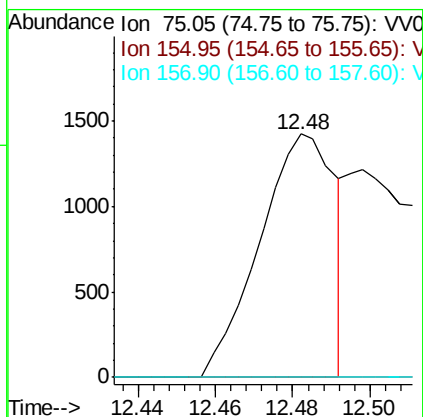
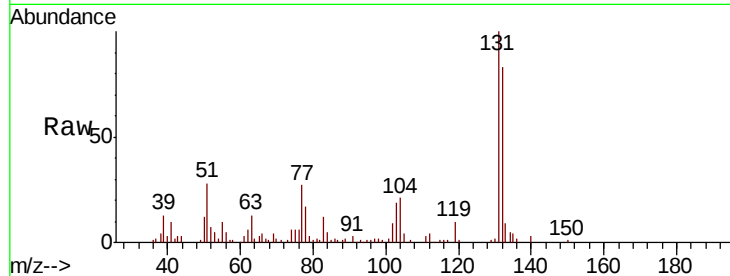




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.717 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.03 min
 Lab File: VV015854.D
 Acq: 01 May 2020 13:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 1922
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.0 76.4#
 157 0.0 70.6 106.0#



#69
 Naphthalene
 Concen: 6.069 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. -0.00 min
 Lab File: VV015854.D
 Acq: 01 May 2020 13:01

Tgt Ion: 128 Resp: 140360
 Ion Ratio Lower Upper
 128 100
 129 11.5 8.4 12.6
 127 13.5 10.2 15.4

