

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
 Data File : VV015855.D
 Acq On : 01 May 2020 13:24
 Operator : SY/MD
 Sample : L2431-20 50X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 02 00:09:26 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	120154	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	119154	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	60336	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32374	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.58	69	29135	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.12	63	47972	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	3.93	46	97666	48.44	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.88%
24) Chloroform-d	4.38	84	64603	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.06	65	38896	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.08	84	129009	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.10	67	44881	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.34	98	115736	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	7.64	79	14107	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.11	63	69877	40.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.56%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	29565	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	45652	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	801	0.090	ug/L	91
8) Chloroethane	1.60	64	686	0.110	ug/L #	43
16) Methylene chloride	2.53	84	1760	0.204	ug/L	95
25) Chloroform	4.41	83	4468	0.274	ug/L	95
33) Benzene	5.13	78	58746	1.726	ug/L	100
34) Trichloroethene	6.05	95	22834	2.429	ug/L #	10
35) Methylcyclohexane	6.10	83	10069	0.698	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	5291	0.611	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1319	0.109	ug/L #	37
42) Toluene	7.41	91	187916	5.166	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	744	0.073	ug/L #	77
48) 2-Hexanone	8.17	43	4629	1.156	ug/L #	75
52) Ethylbenzene	9.04	91	90689	2.154	ug/L	99
53) m,p-xylene	9.16	106	45850	2.974	ug/L	99
54) o-xylene	9.57	106	27609	1.851	ug/L	96
55) Styrene	9.59	104	1925	0.076	ug/L #	56
56) Isopropylbenzene	9.95	105	4876	0.116	ug/L #	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
Data File : VV015855.D
Acq On : 01 May 2020 13:24
Operator : SY/MD
Sample : L2431-20 50X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 02 00:09:26 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

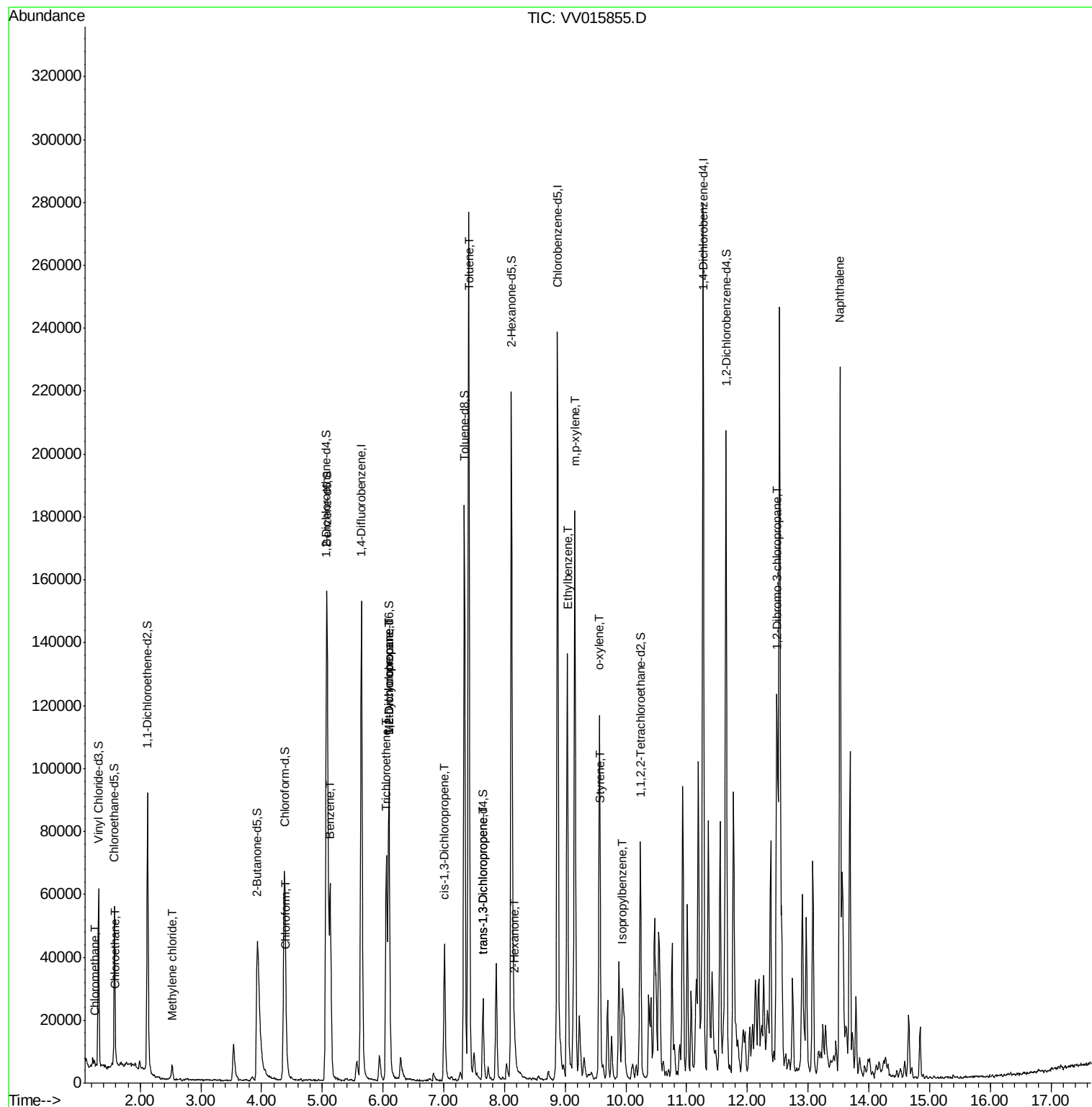
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.48	75	3136	2.787	ug/L #	11
69) Naphthalene	13.53	128	151965	6.537	ug/L	99

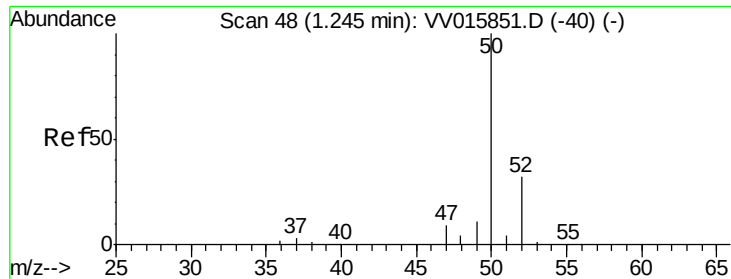
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
Data File : VV015855.D
Acq On : 01 May 2020 13:24
Operator : SY/MD
Sample : L2431-20 50X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 02 00:09:26 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





#3

Chloromethane

Concen: 0.090 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015855.D

Acq: 01 May 2020 13:24

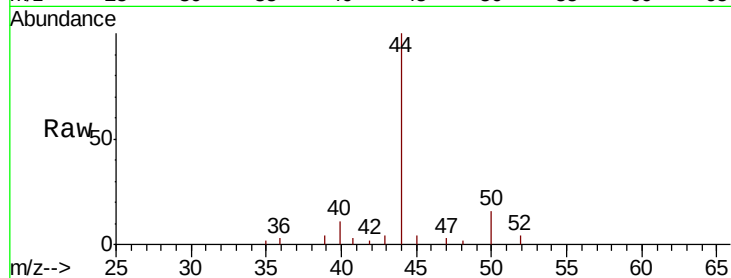
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 801

Ion Ratio Lower Upper

50 100

52 27.9 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015851.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV015851.D (-40) (-)

1.25

600

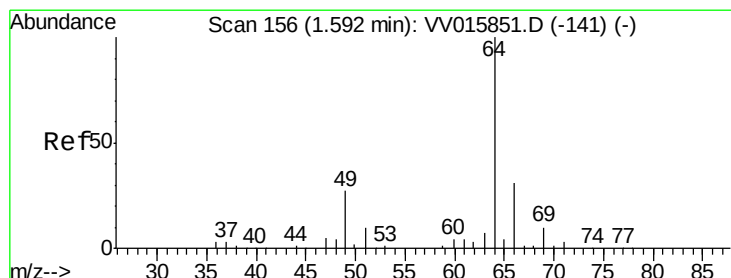
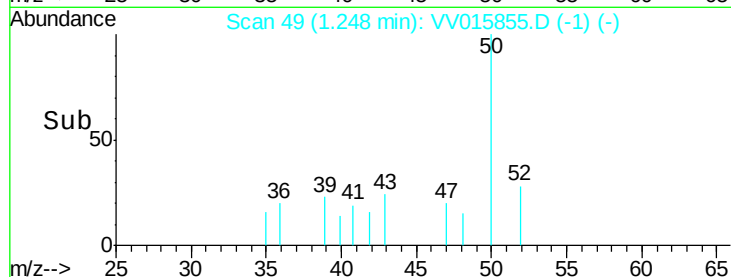
400

200

0

1.22 1.24 1.26 1.28

Time-->



#8

Chloroethane

Concen: 0.110 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.01 min

Lab File: VV015855.D

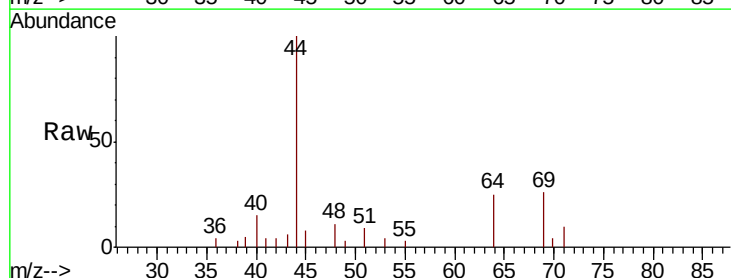
Acq: 01 May 2020 13:24

Tgt Ion: 64 Resp: 686

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV015851.D (-141) (-)

Ion 66.05 (65.75 to 66.75): VV015851.D (-141) (-)

1.60

800

600

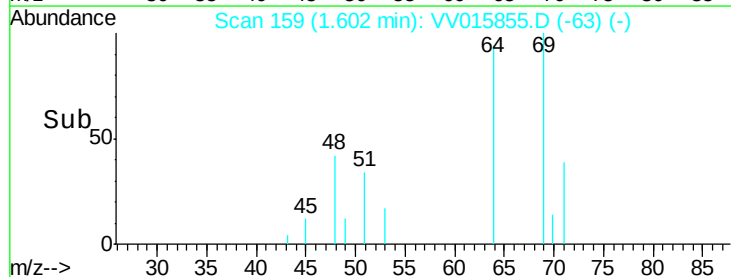
400

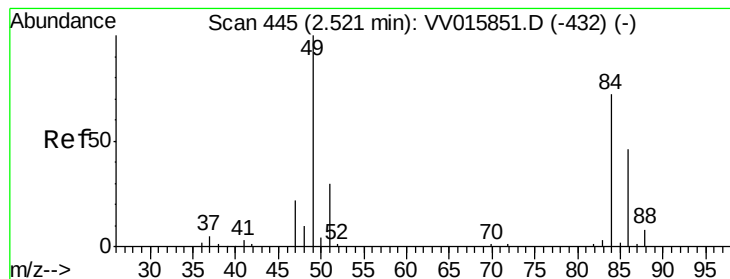
200

0

1.58 1.60 1.62 1.64

Time-->





#16

Methylene chloride

Concen: 0.204 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV015855.D

Acq: 01 May 2020 13:24

Instrument :

MSVOA_V

ClientSampled :

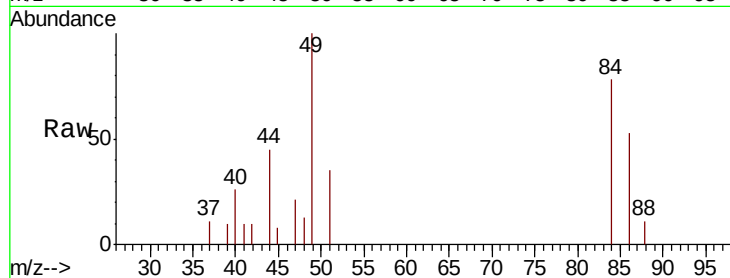
Tot Ion: 84 Resp: 1760

Ion Ratio Lower Upper

84 100

86 67.8 45.1 83.7

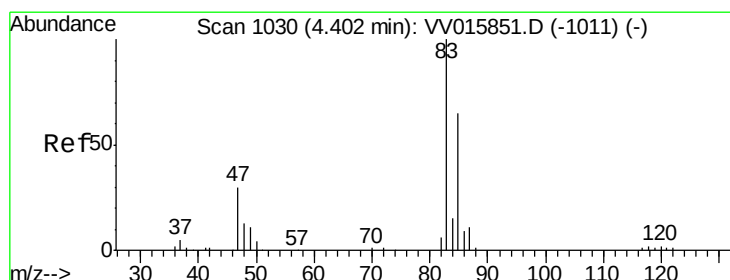
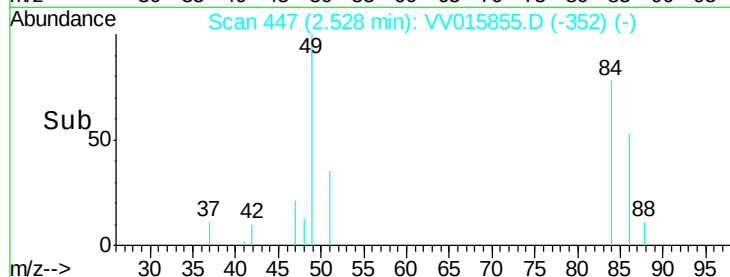
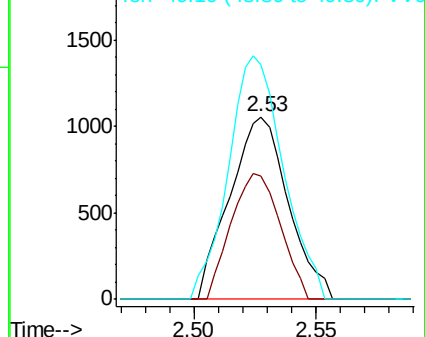
49 128.6 94.4 175.4



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: 0.274 ug/L

RT: 4.41 min Scan# 1033

Delta R.T. 0.01 min

Lab File: VV015855.D

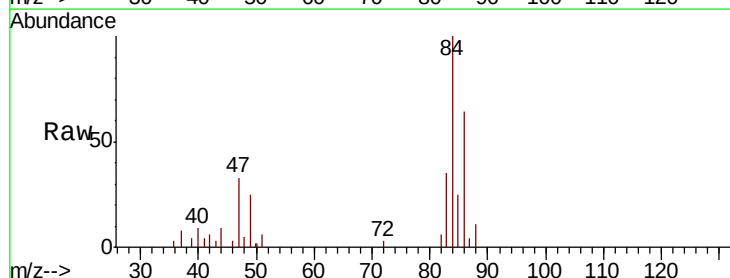
Acq: 01 May 2020 13:24

Tgt Ion: 83 Resp: 4468

Ion Ratio Lower Upper

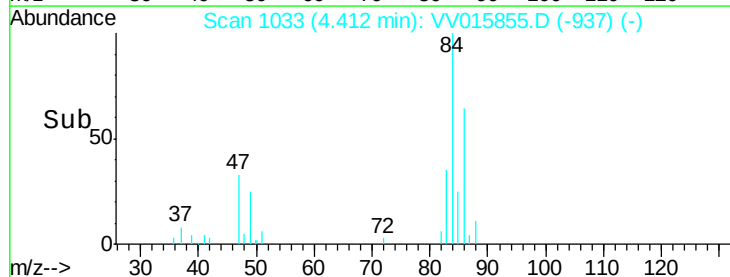
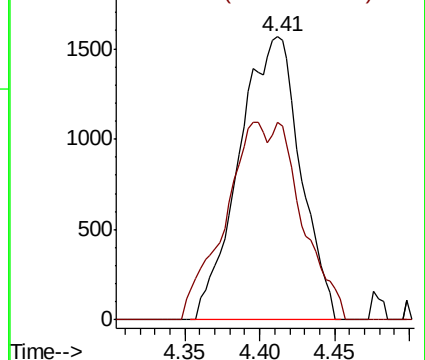
83 100

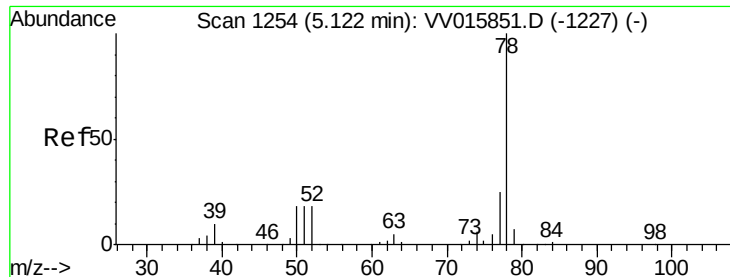
85 69.9 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 1.726 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV015855.D

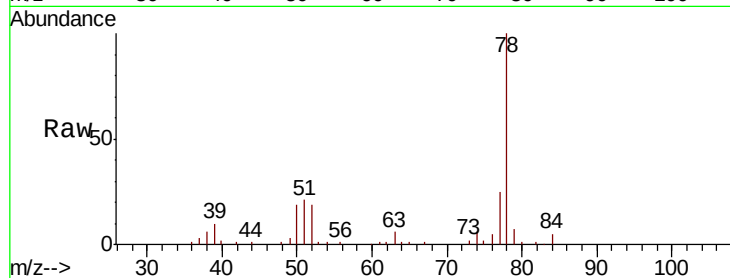
Acq: 01 May 2020 13:24

Instrument :

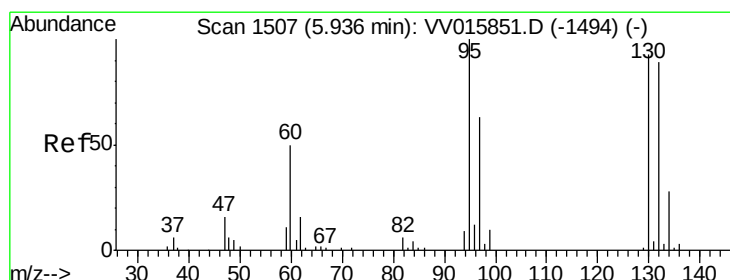
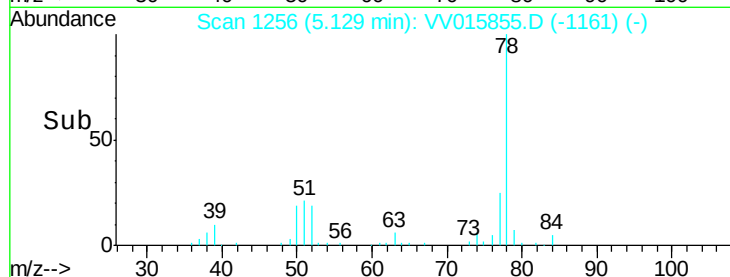
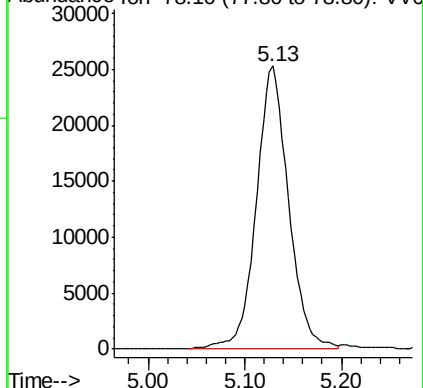
MSVOA_V

ClientSampled :

Tgt Ion: 78 Resp: 58746



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 2.429 ug/L

RT: 6.05 min Scan# 1543

Delta R.T. 0.12 min

Lab File: VV015855.D

Acq: 01 May 2020 13:24

Tgt Ion: 95 Resp: 22834

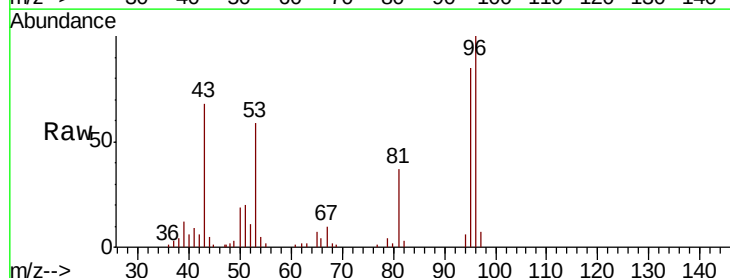
Ion	Ratio	Lower	Upper
95	100		
97	7.8	44.7	82.9#
132	0.0	65.2	121.0#
130	0.0	65.0	120.6#

95 100

97 7.8 44.7 82.9#

132 0.0 65.2 121.0#

130 0.0 65.0 120.6#

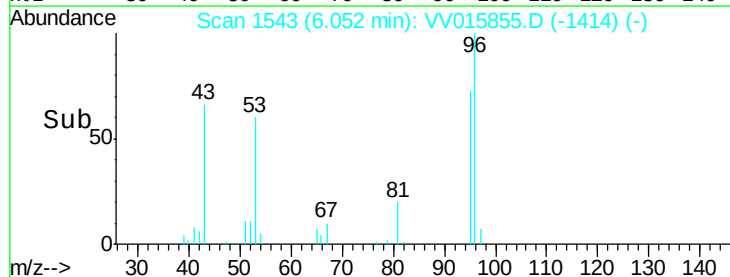
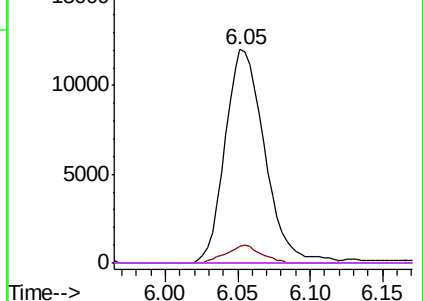


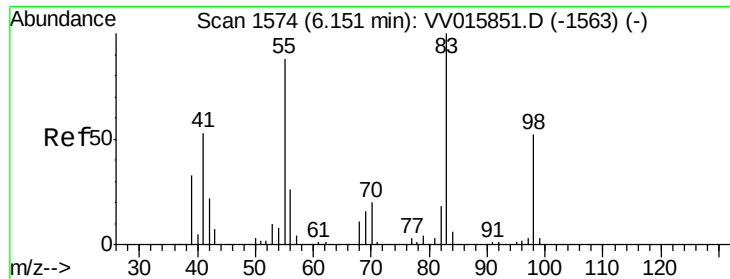
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

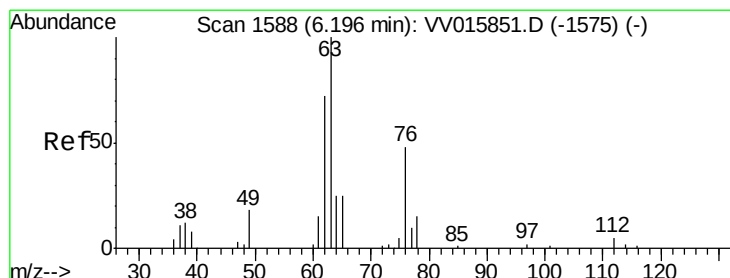
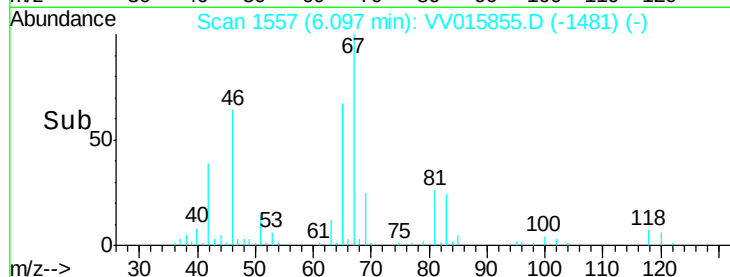
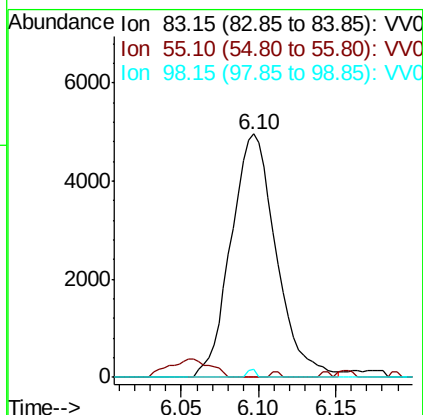
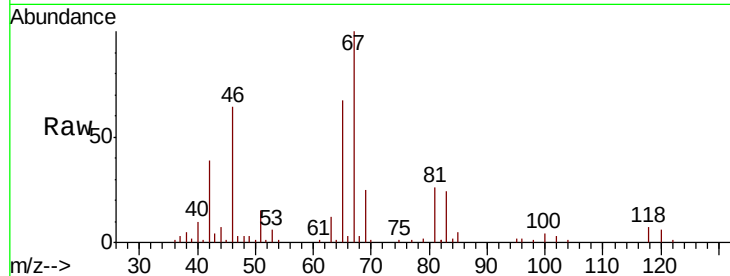




#35
Methylvlcyclohexane
Concen: 0.698 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015855.D
Acq: 01 May 2020 13:24

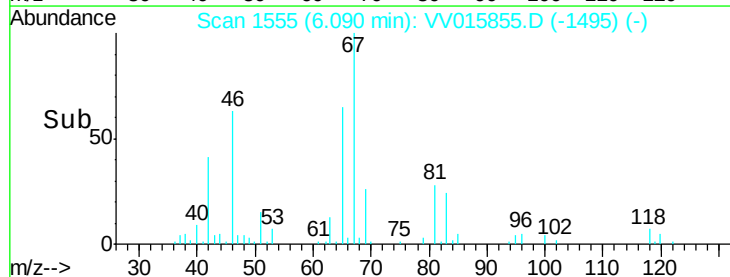
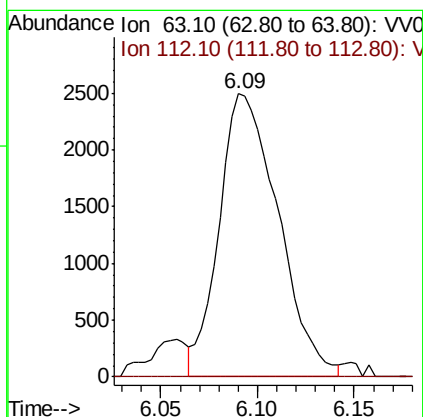
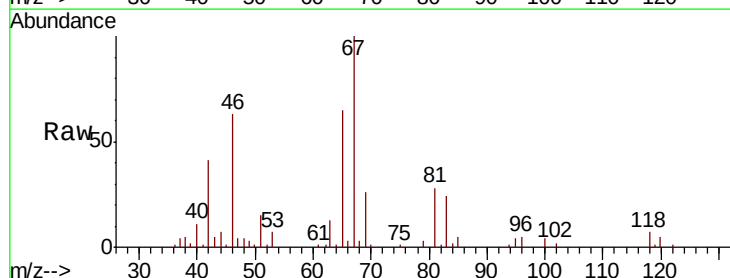
Instrument :
MSVOA_V
ClientSampleId :

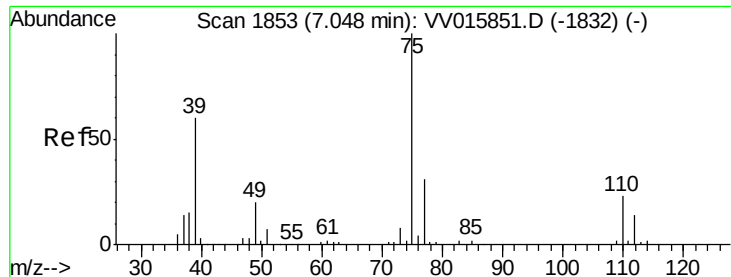
Tot Ion: 83 Resp: 10069
Ion Ratio Lower Upper
83 100
55 0.4 66.6 99.8#
98 0.6 39.5 59.3#



#37
1,2-Dichloropropane
Concen: 0.611 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.11 min
Lab File: VV015855.D
Acq: 01 May 2020 13:24

Tgt Ion: 63 Resp: 5291
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#

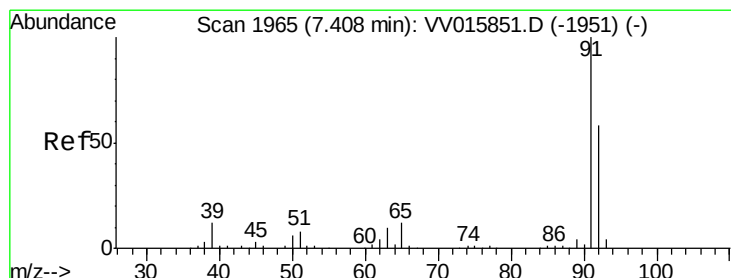
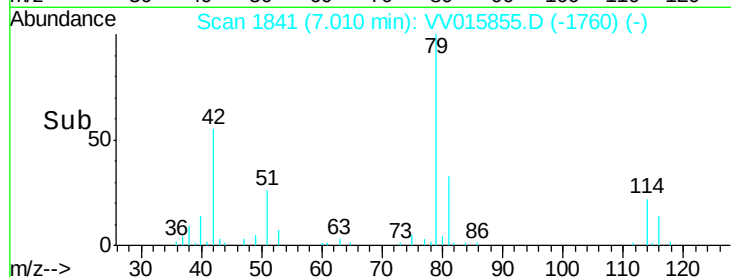
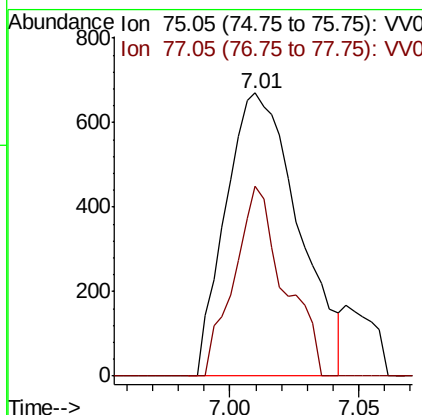
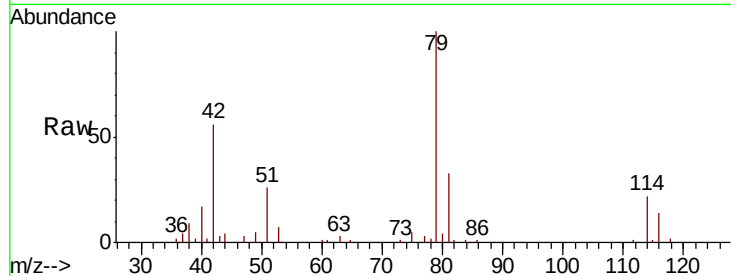




#39
 cis-1,3-Dichloropropene
 Concen: 0.109 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015855.D
 Acq: 01 May 2020 13:24

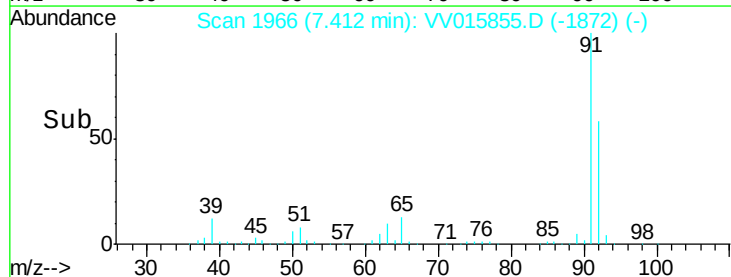
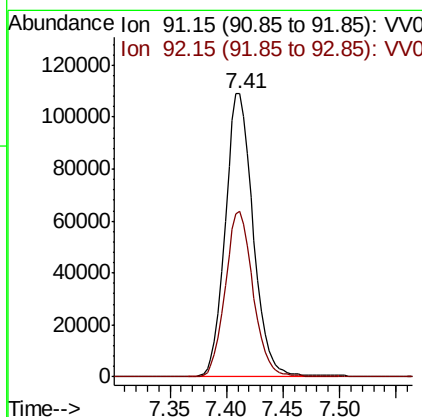
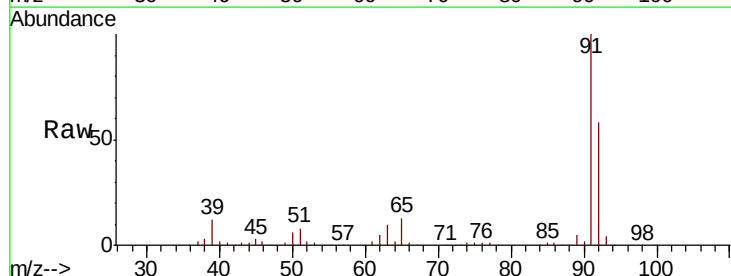
Instrument :
 MSVOA_V
 ClientSampleId :

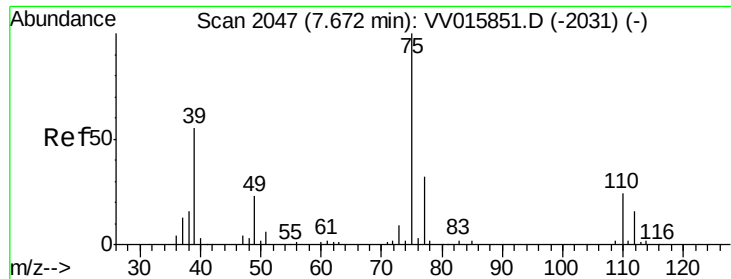
Tot Ion: 75 Resp: 1319
 Ion Ratio Lower Upper
 75 100
 77 67.0 22.3 41.5#



#42
 Toluene
 Concen: 5.166 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV015855.D
 Acq: 01 May 2020 13:24

Tgt Ion: 91 Resp: 187916
 Ion Ratio Lower Upper
 91 100
 92 58.3 40.7 75.7

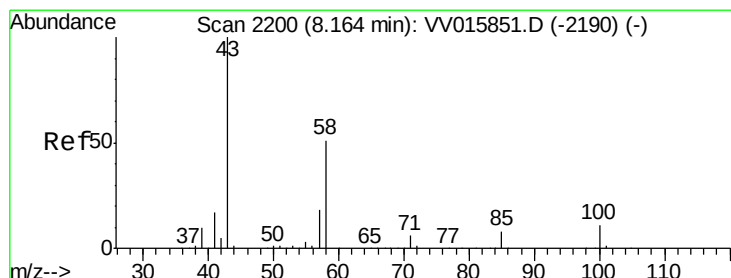
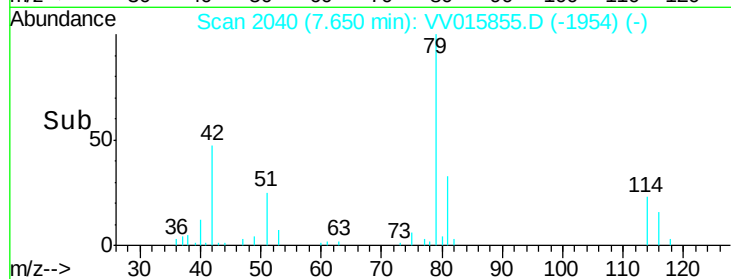
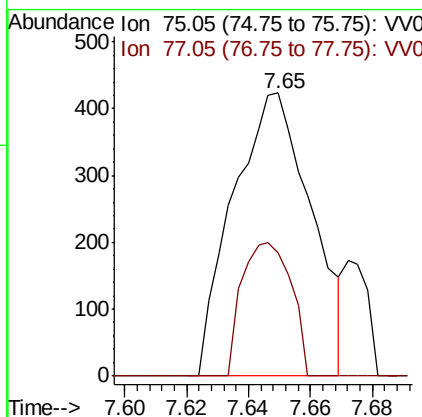
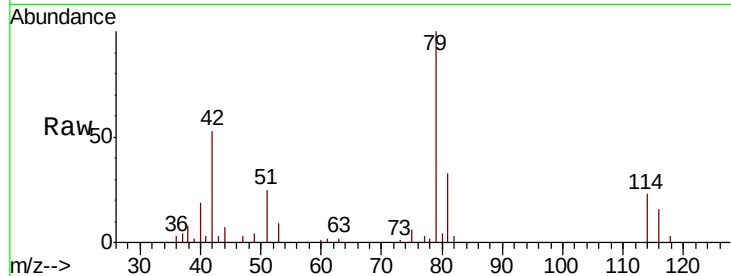




#44
trans-1,3-Dichloropropene
Concen: 0.073 ug/L
RT: 7.65 min Scan# 2040
Delta R.T. -0.02 min
Lab File: VV015855.D
Acq: 01 May 2020 13:24

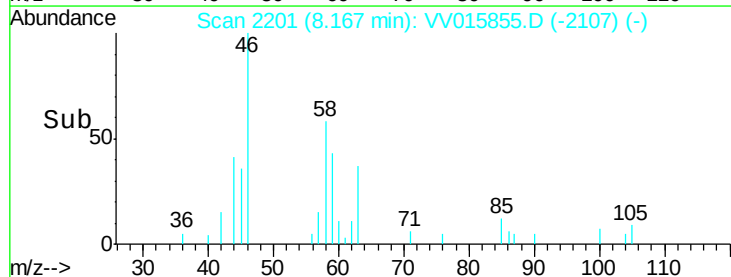
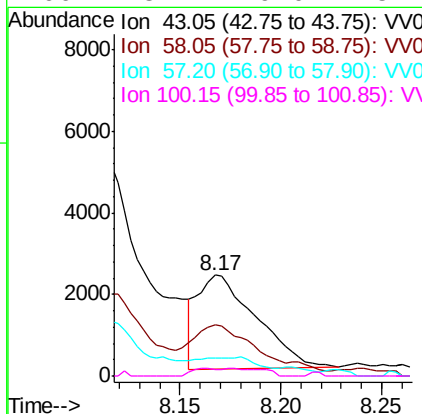
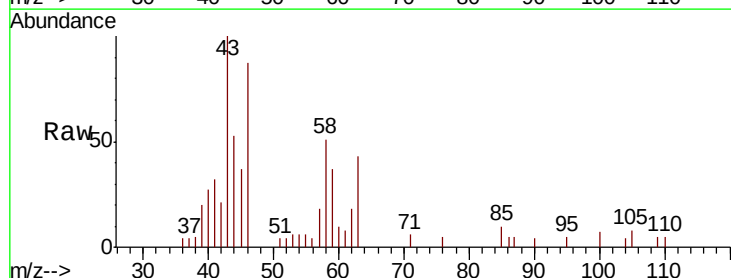
Instrument :
MSVOA_V
ClientSampleId :

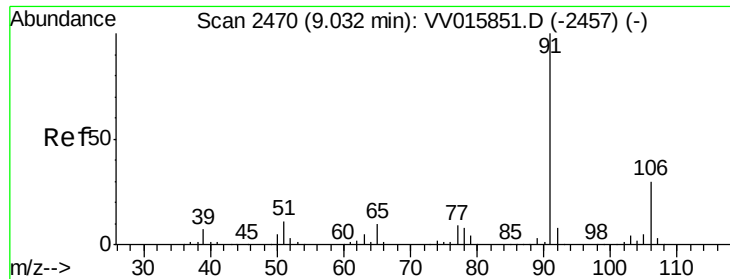
Tot Ion: 75 Resp: 744
Ion Ratio Lower Upper
75 100
77 43.7 21.8 40.6#



#48
2-Hexanone
Concen: 1.156 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015855.D
Acq: 01 May 2020 13:24

Tgt Ion: 43 Resp: 4629
Ion Ratio Lower Upper
43 100
58 65.8 41.1 61.7#
57 1.7 15.0 22.4#
100 3.2 9.0 13.4#





#52

Ethylbenzene

Concen: 2.154 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015855.D

Acq: 01 May 2020 13:24

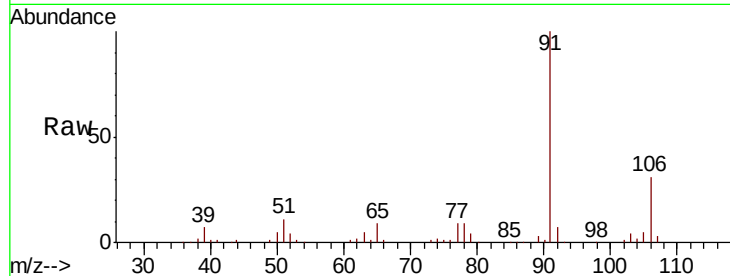
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 90689

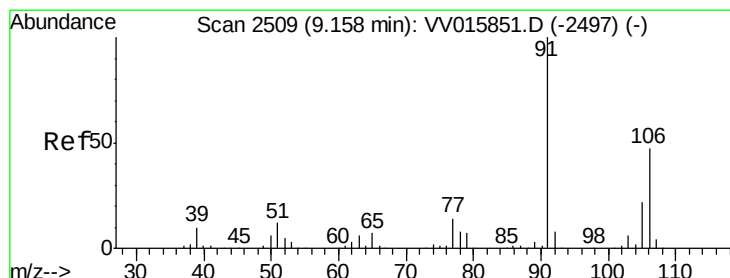
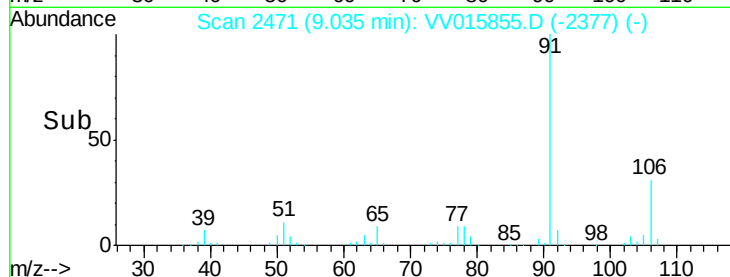
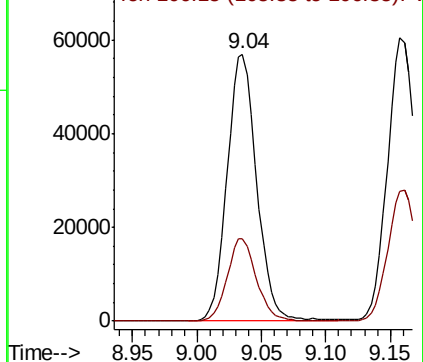
Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015855.D (-2457) (-)



#53

m,p-xylene

Concen: 2.974 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015855.D

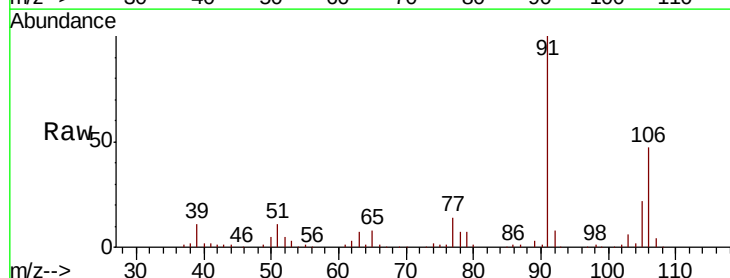
Acq: 01 May 2020 13:24

Tgt Ion: 106 Resp: 45850

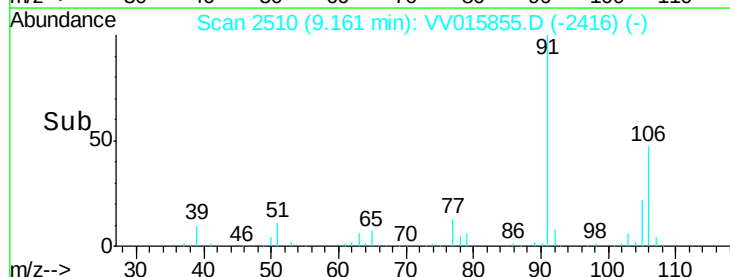
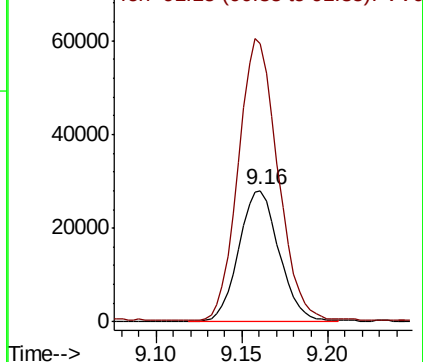
Ion Ratio Lower Upper

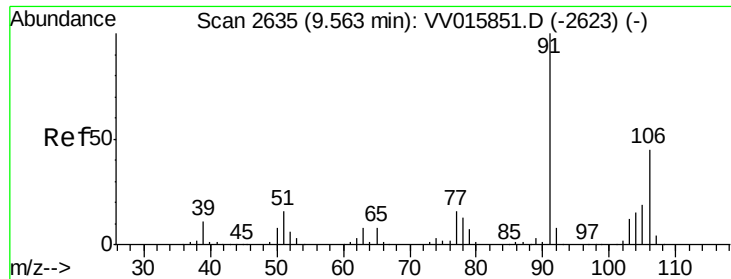
106 100

91 212.1 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015855.D (-2497) (-)

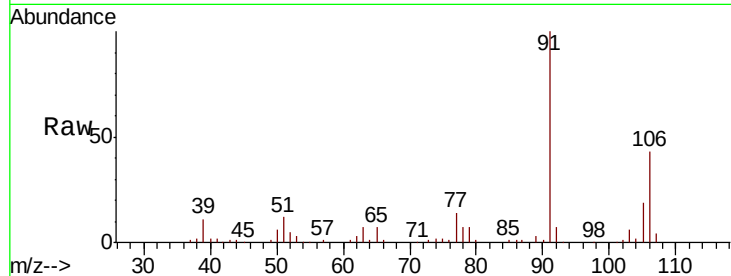




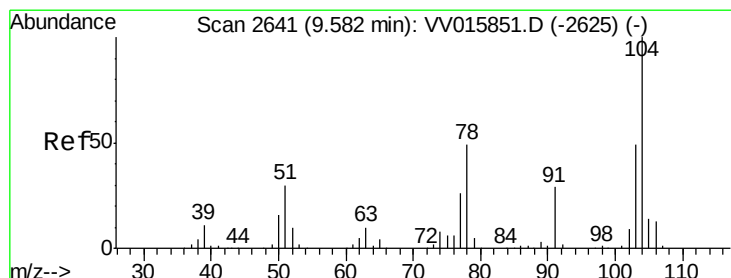
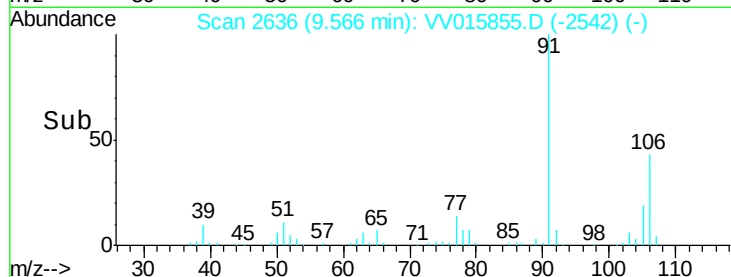
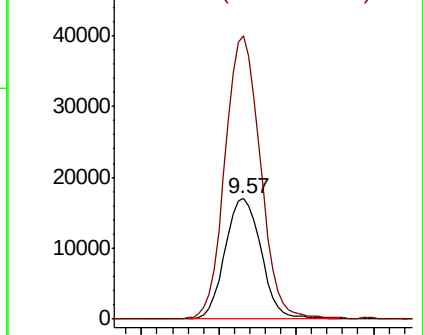
#54
o-xylene
Concen: 1.851 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015855.D
Acq: 01 May 2020 13:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 27609
Ion Ratio Lower Upper
106 100
91 234.8 159.8 296.8

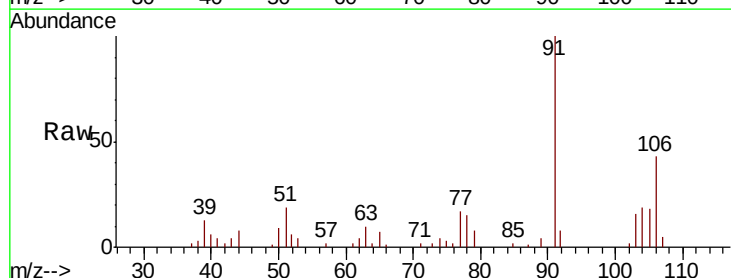


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

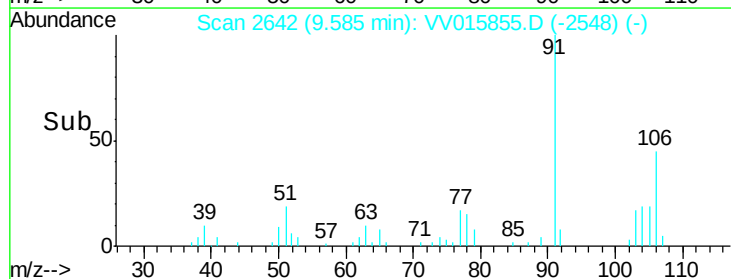
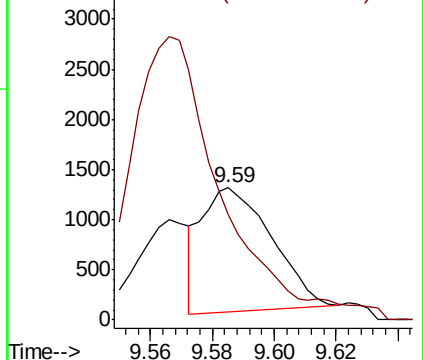


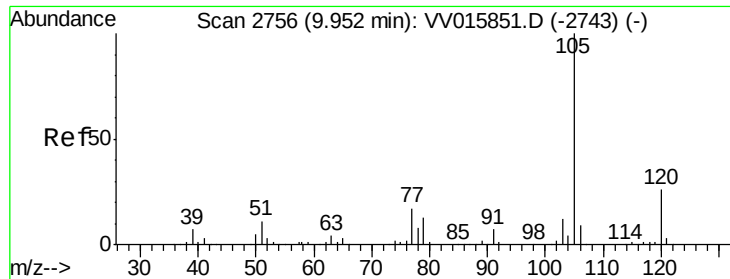
#55
Styrene
Concen: 0.076 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV015855.D
Acq: 01 May 2020 13:24

Tgt Ion:104 Resp: 1925
Ion Ratio Lower Upper
104 100
78 79.7 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: 0.116 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015855.D

Acq: 01 May 2020 13:24

Instrument :

MSVOA_V

ClientSampleId :

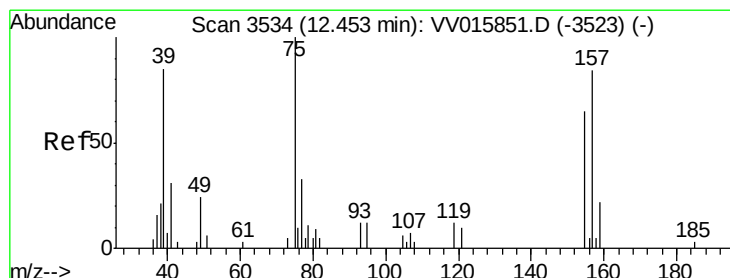
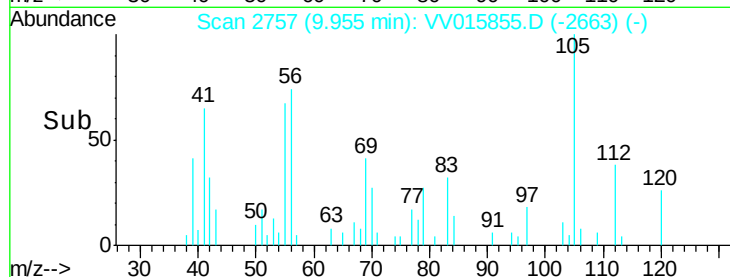
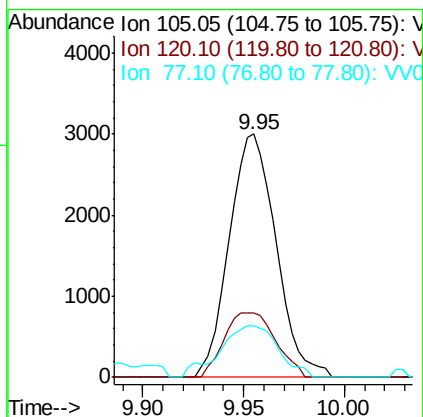
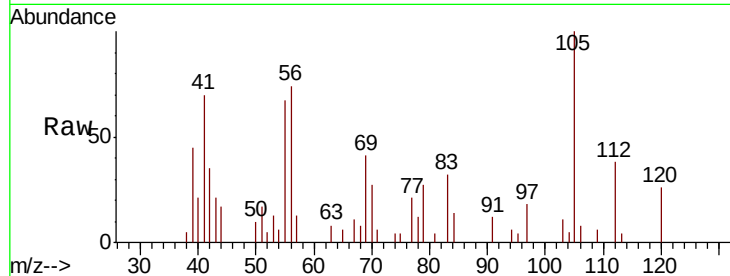
Tot Ion:105 Resp: 4876

Ion Ratio Lower Upper

105 100

120 29.1 20.7 31.1

77 26.4 13.9 20.9#



#66

1,2-Dibromo-3-chloropropane

Concen: 2.787 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.03 min

Lab File: VV015855.D

Acq: 01 May 2020 13:24

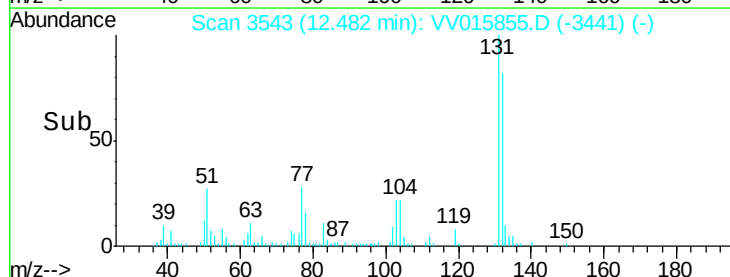
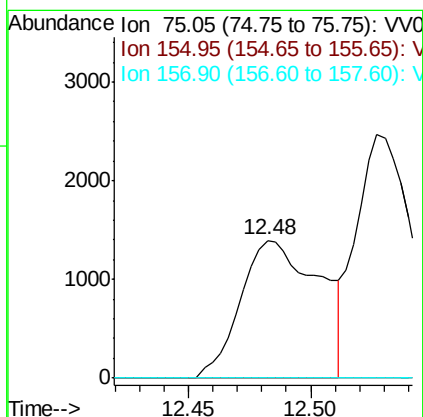
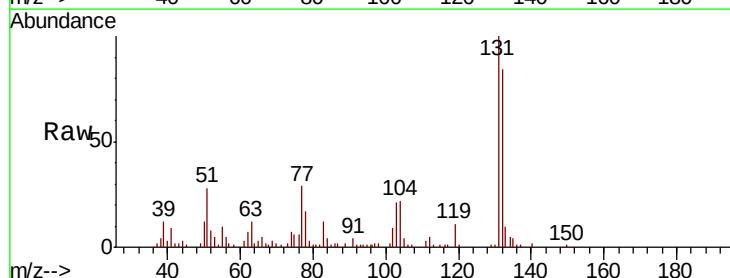
Tgt Ion: 75 Resp: 3136

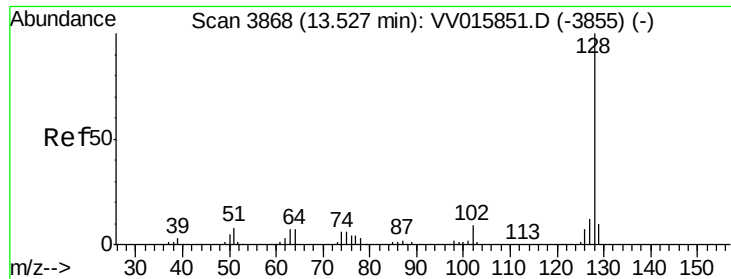
Ion Ratio Lower Upper

75 100

155 0.0 51.0 76.4#

157 0.0 70.6 106.0#





#69

Naphthalene

Concen: 6.537 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015855.D

Acq: 01 May 2020 13:24

Instrument :

MSVOA_V

ClientSampleId :

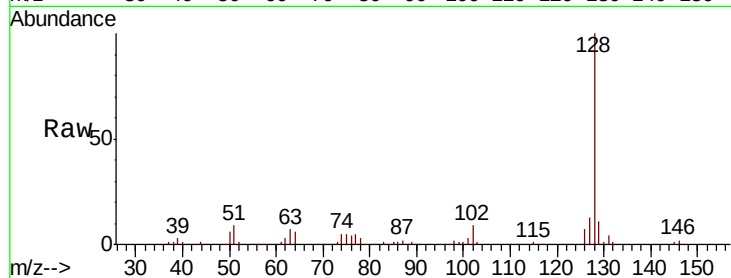
Tot Ion:128 Resp: 151965

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

127 12.8 10.2 15.4



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

