

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
 Data File : VV015871.D
 Acq On : 01 May 2020 20:22
 Operator : SY/MD
 Sample : L2432-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 02 00:12:48 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	121790	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	118004	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	63156	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	28769	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.58	69	27153	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.12	63	43120	3.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.00%
20) 2-Butanone-d5	3.94	46	80768	39.52	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.04%
24) Chloroform-d	4.38	84	64345	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.06	65	37461	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.08	84	120834	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.10	67	41716	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.34	98	105924	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	7.65	79	12644	3.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.60%
46) 2-Hexanone-d5	8.11	63	67639	39.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.70%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	28397	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	46191	4.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.50	64	18111	2.861	ug/L #	55
13) Acetone	2.22	43	1839	1.296	ug/L #	1
14) Carbon disulfide	2.31	76	1074	0.054	ug/L #	80
25) Chloroform	4.41	83	1706	0.103	ug/L	81
33) Benzene	5.13	78	13610	0.404	ug/L	100
34) Trichloroethene	6.05	95	13800	1.482	ug/L #	10
39) cis-1,3-Dichloropropene	7.01	75	1233	0.103	ug/L	91
42) Toluene	7.41	91	160550	4.457	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	667	0.066	ug/L #	57
48) 2-Hexanone	8.11	43	17318	4.366	ug/L #	64
52) Ethylbenzene	9.03	91	805137	19.313	ug/L	99
53) m,p-xylene	9.16	106	472046	30.913	ug/L	99
54) o-xylene	9.56	106	272138	18.418	ug/L	97
55) Styrene	9.57	104	24242	0.967	ug/L #	1
56) Isopropylbenzene	9.95	105	43064	1.039	ug/L #	96
58) 1,1,2,2-Tetrachloroethane	10.27	83	803	0.118	ug/L #	57
59) 1,2,3-Trichloropropane	10.37	75	1248	0.228	ug/L #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050120\
Data File : VV015871.D
Acq On : 01 May 2020 20:22
Operator : SY/MD
Sample : L2432-03
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 02 00:12:48 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

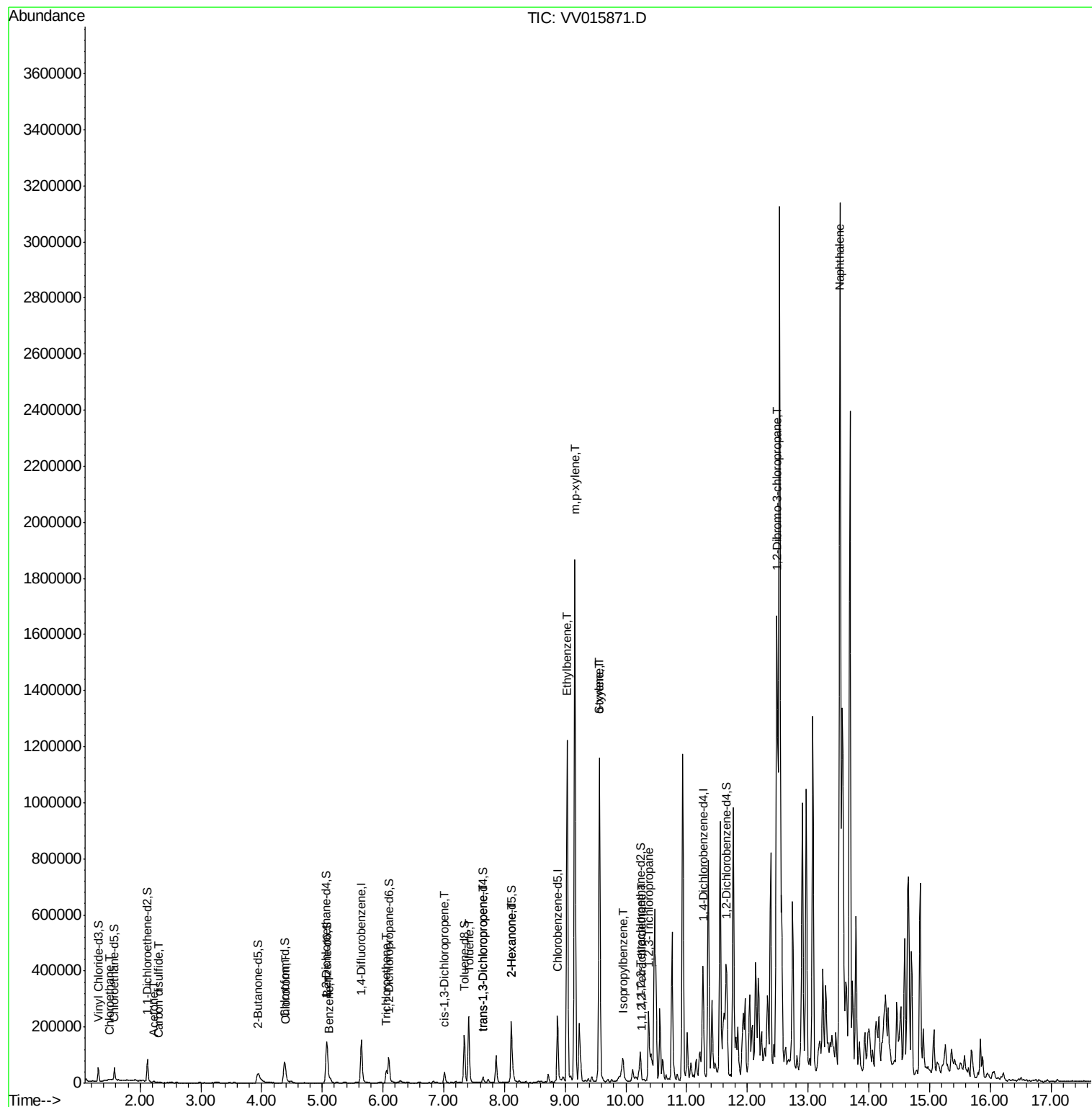
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.49	75	36658	31.124	ug/L #	11
69) Naphthalene	13.52	128	1960058	80.555	ug/L	97

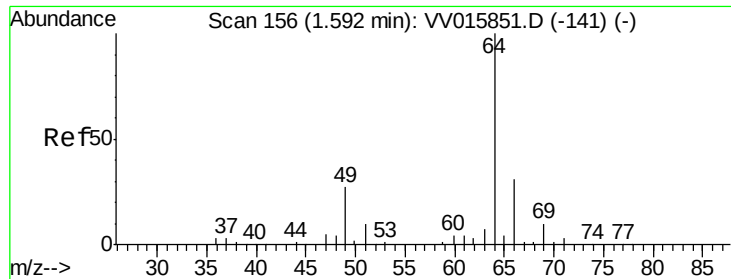
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050120\
Data File : VV015871.D
Acq On : 01 May 2020 20:22
Operator : SY/MD
Sample : L2432-03
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 02 00:12:48 2020
Quant Method : Z:\V0ASRV\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

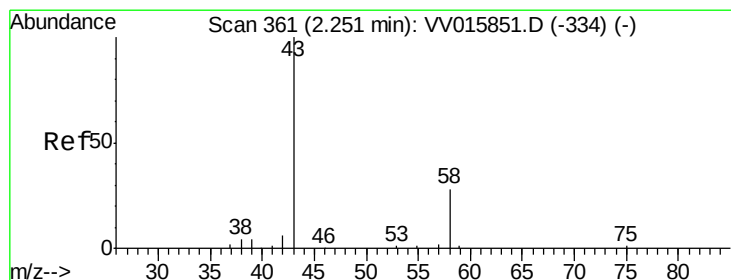
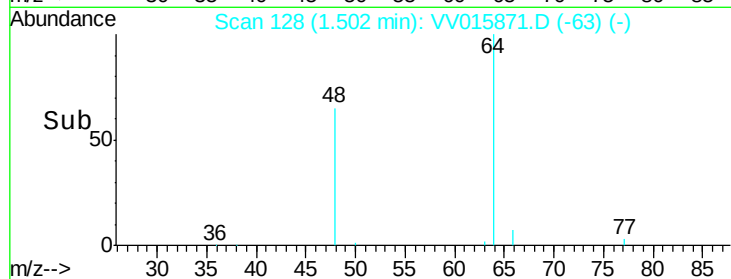
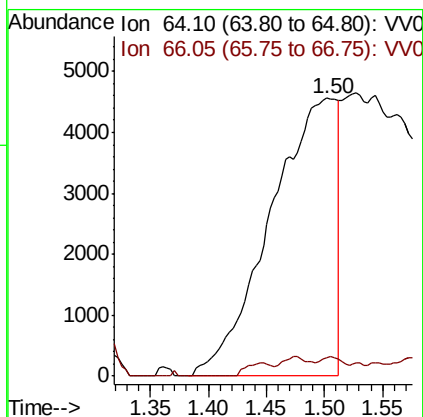
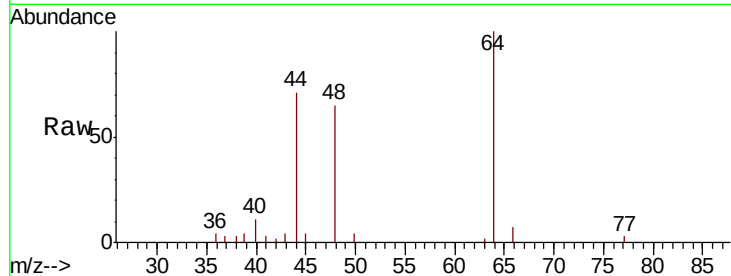




#8
 Chloroethane
 Concen: 2.861 ug/L
 RT: 1.50 min Scan# 128
 Delta R.T. -0.09 min
 Lab File: VV015871.D
 Acq: 01 May 2020 20:22

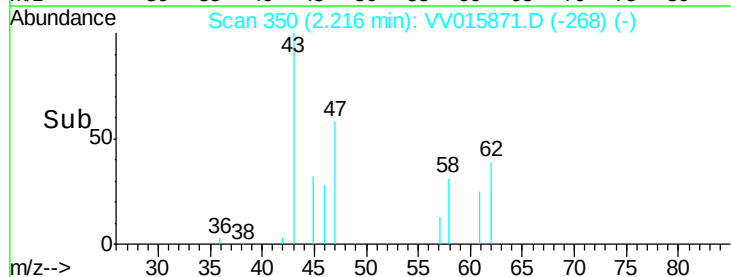
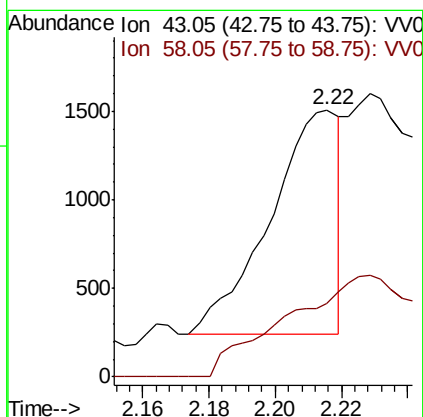
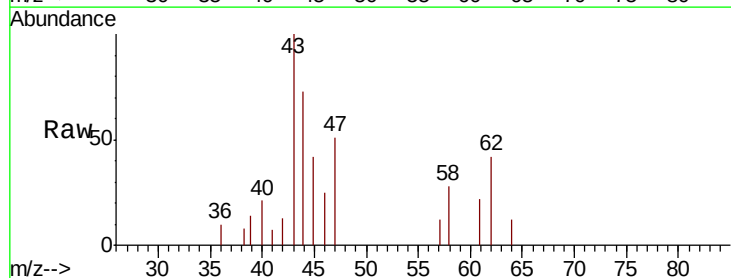
Instrument :
 MSVOA_V
 ClientSampled :

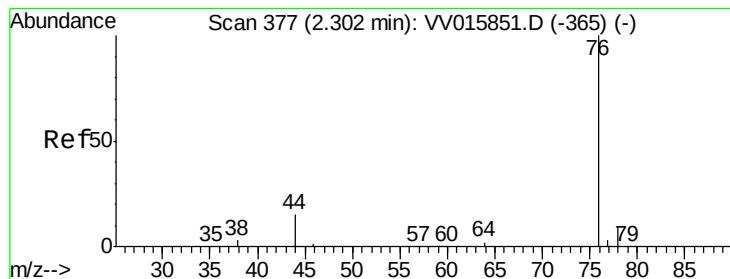
Tot Ion: 64 Resp: 18111
 Ion Ratio Lower Upper
 64 100
 66 6.9 22.3 41.5#



#13
 Acetone
 Concen: 1.296 ug/L
 RT: 2.22 min Scan# 350
 Delta R.T. -0.04 min
 Lab File: VV015871.D
 Acq: 01 May 2020 20:22

Tgt Ion: 43 Resp: 1839
 Ion Ratio Lower Upper
 43 100
 58 108.0 0.0 57.6#





#14

Carbon disulfide

Concen: 0.054 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV015871.D

Acq: 01 May 2020 20:22

Instrument :

MSVOA_V

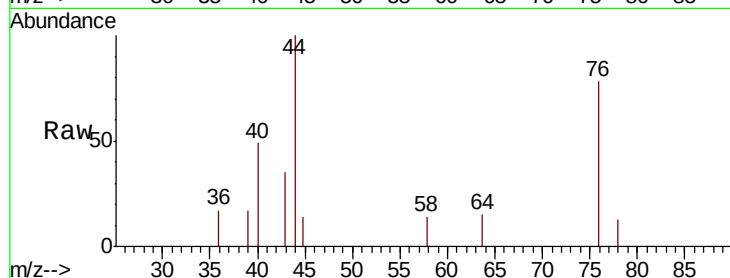
ClientSampleId :

Tot Ion: 76 Resp: 1074

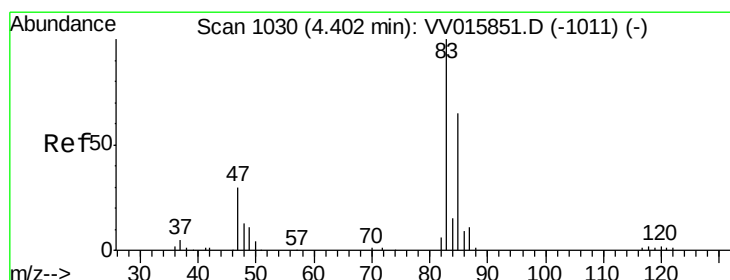
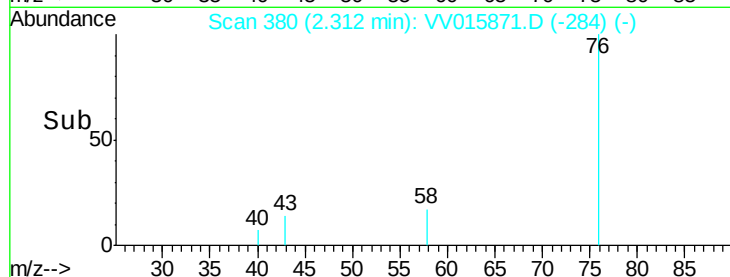
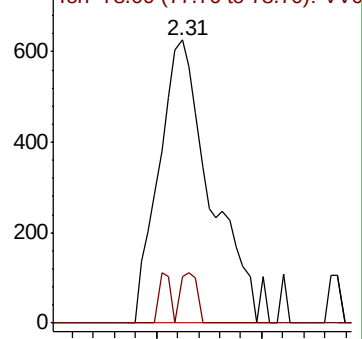
Ion Ratio Lower Upper

76 100

78 16.6 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0



#25

Chloroform

Concen: 0.103 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015871.D

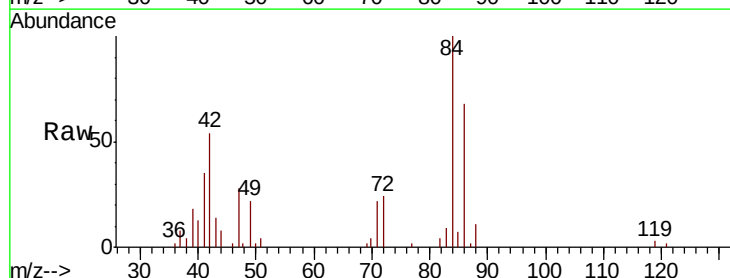
Acq: 01 May 2020 20:22

Tgt Ion: 83 Resp: 1706

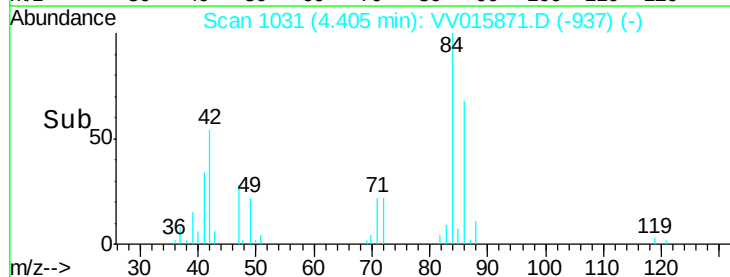
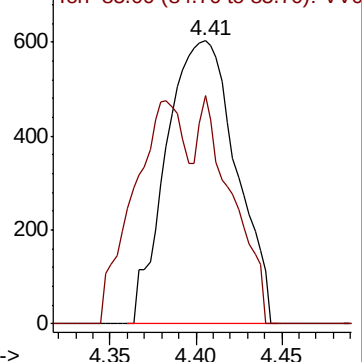
Ion Ratio Lower Upper

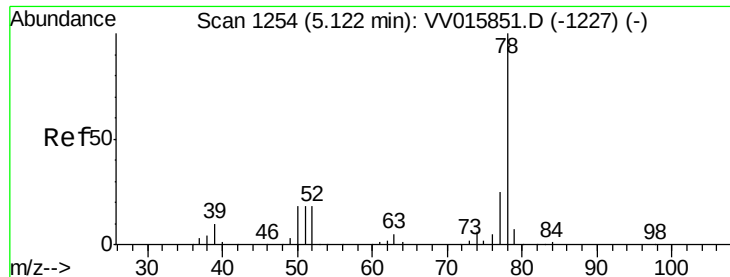
83 100

85 80.8 46.1 85.5



Abundance Ion 83.05 (82.75 to 83.75): VV0





#33

Benzene

Concen: 0.404 ug/L

RT: 5.13 min Scan# 1255

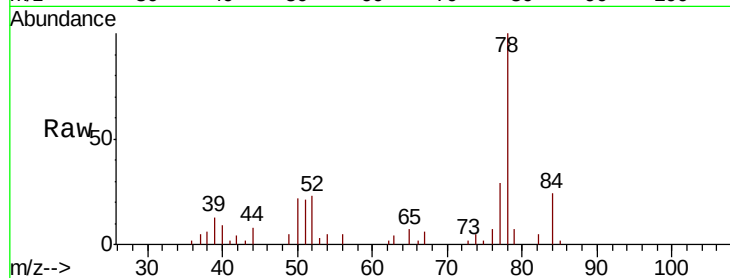
Delta R.T. 0.00 min

Lab File: VV015871.D

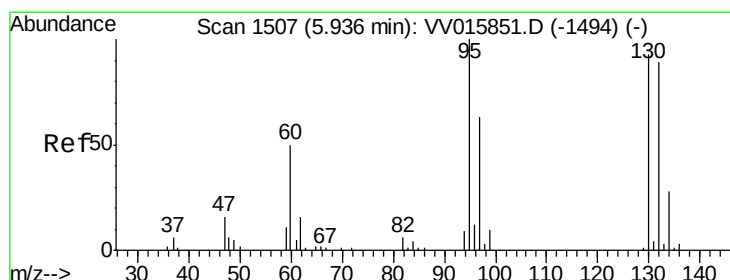
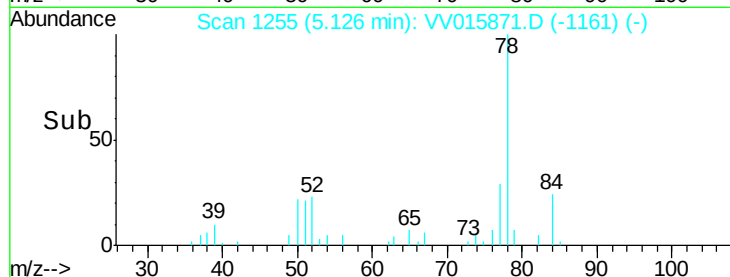
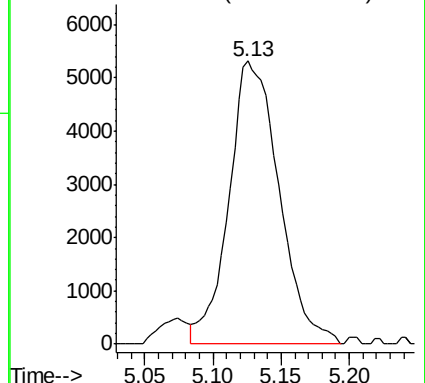
Acq: 01 May 2020 20:22

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 13610



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 1.482 ug/L

RT: 6.05 min Scan# 1543

Delta R.T. 0.12 min

Lab File: VV015871.D

Acq: 01 May 2020 20:22

Tgt Ion: 95 Resp: 13800

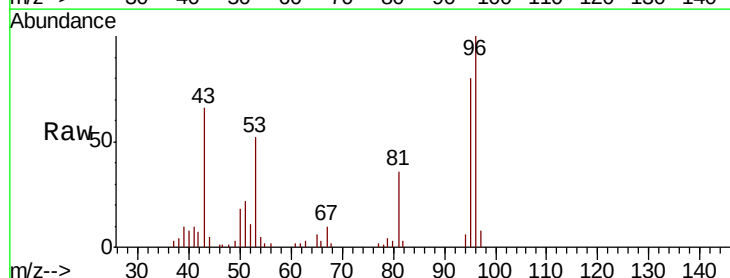
Ion Ratio Lower Upper

95 100

97 9.4 44.7 82.9#

132 0.0 65.2 121.0#

130 0.0 65.0 120.6#

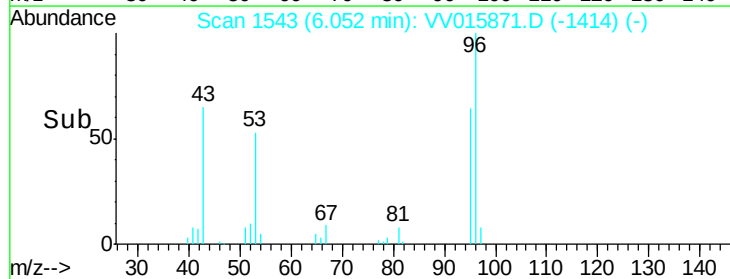
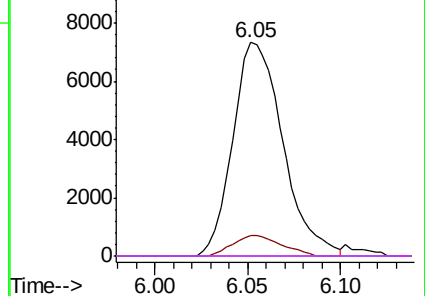


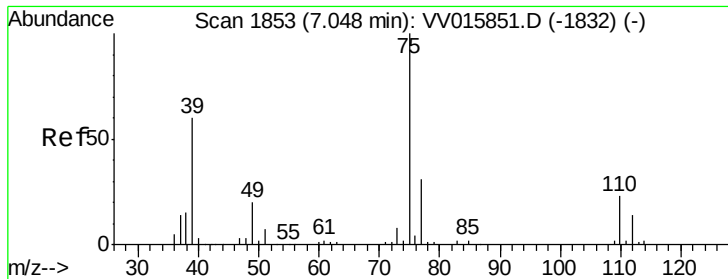
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#39

cis-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV015871.D

Acq: 01 May 2020 20:22

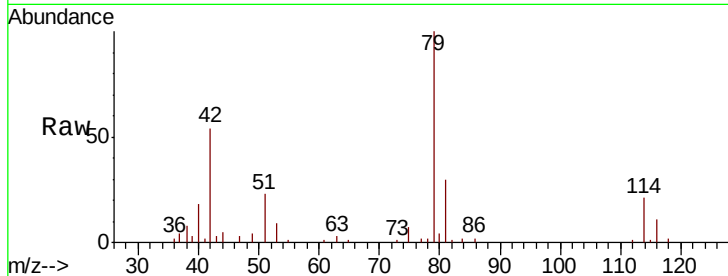
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 1233

Ion Ratio Lower Upper

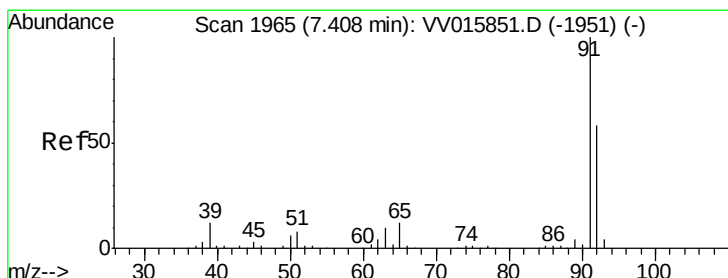
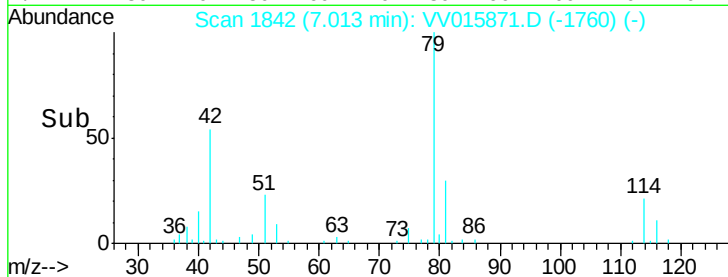
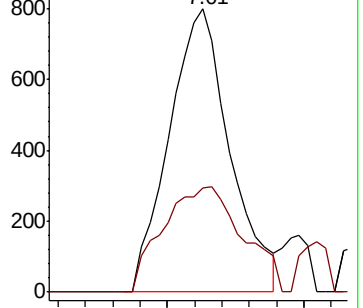
75 100

77 36.7 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#42

Toluene

Concen: 4.457 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015871.D

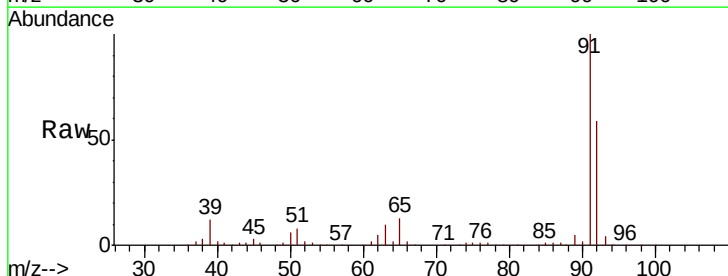
Acq: 01 May 2020 20:22

Tgt Ion: 91 Resp: 160550

Ion Ratio Lower Upper

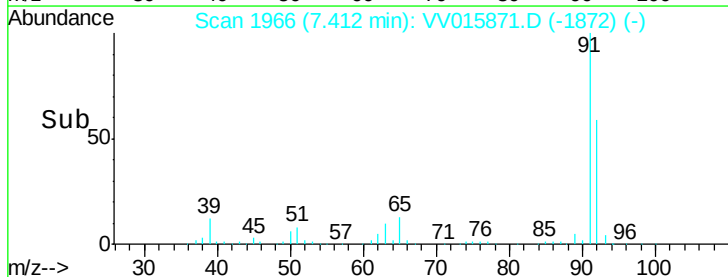
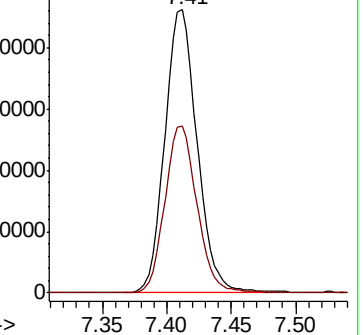
91 100

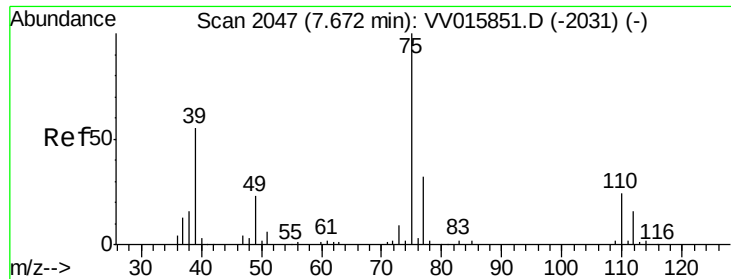
92 59.2 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

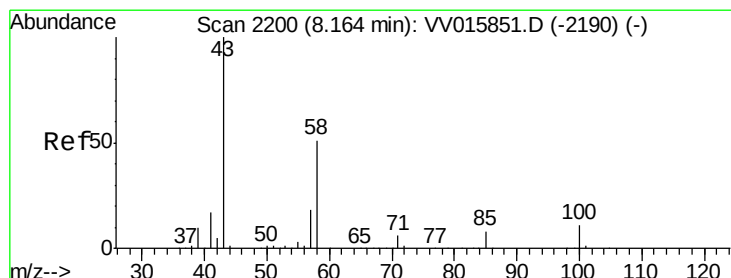
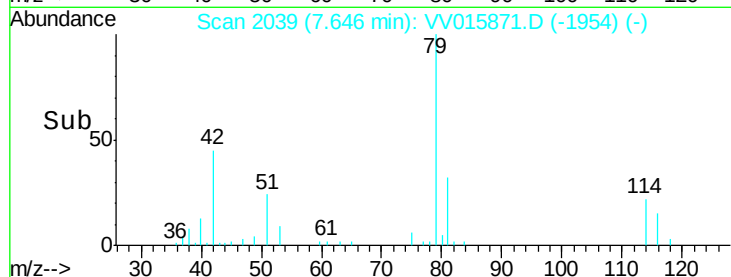
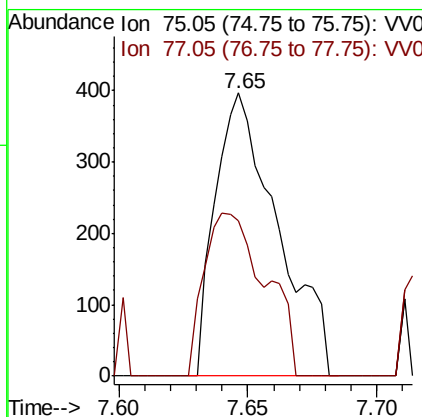
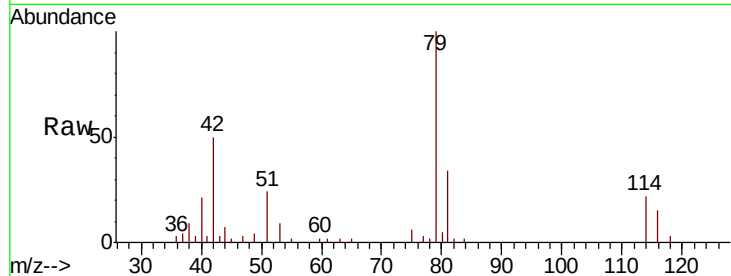




#44
trans-1,3-Dichloropropene
Concen: 0.066 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV015871.D
Acq: 01 May 2020 20:22

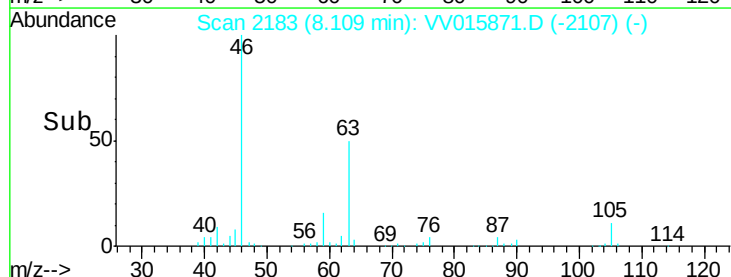
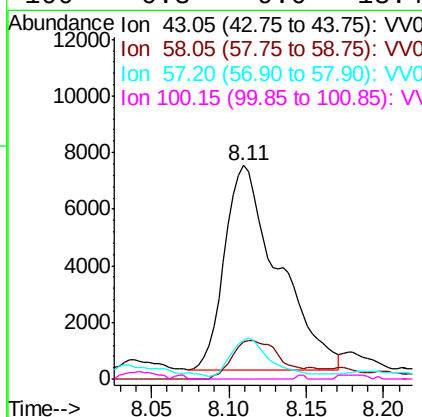
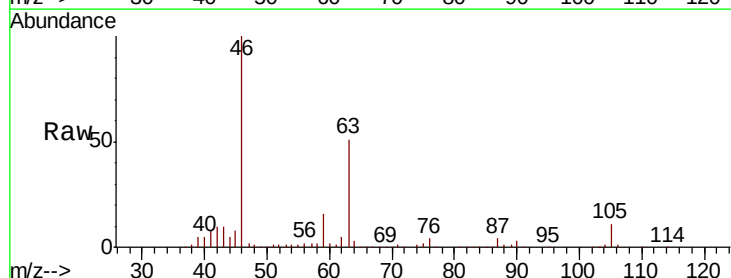
Instrument :
MSVOA_V
ClientSampled :

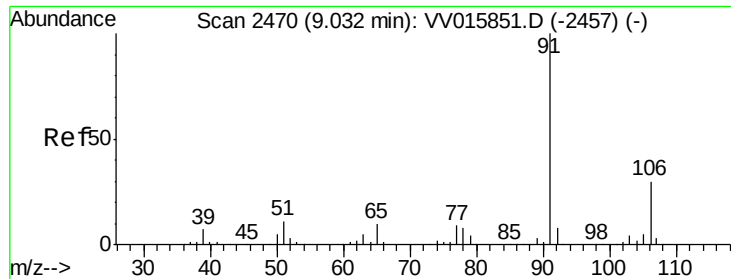
Tot Ion: 75 Resp: 667
Ion Ratio Lower Upper
75 100
77 54.9 21.8 40.6#



#48
2-Hexanone
Concen: 4.366 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.05 min
Lab File: VV015871.D
Acq: 01 May 2020 20:22

Tgt Ion: 43 Resp: 17318
Ion Ratio Lower Upper
43 100
58 18.6 41.1 61.7#
57 14.0 15.0 22.4#
100 0.3 9.0 13.4#





#52

Ethylbenzene

Concen: 19.313 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015871.D

Acq: 01 May 2020 20:22

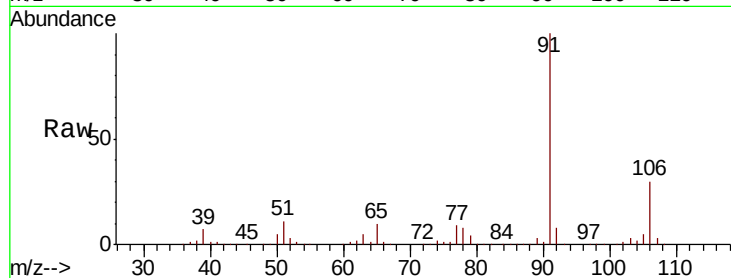
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 805137

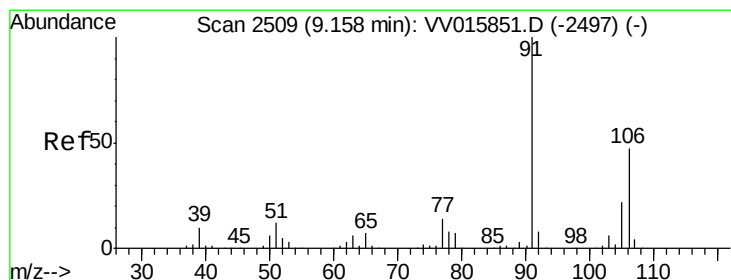
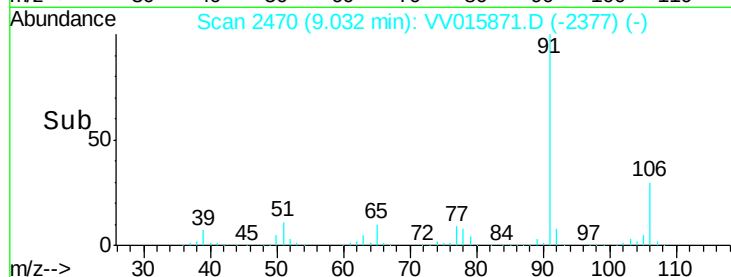
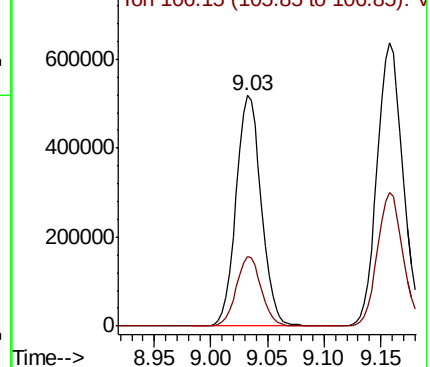
Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015871.D (-2457) (-)



#53

m,p-xylene

Concen: 30.913 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV015871.D

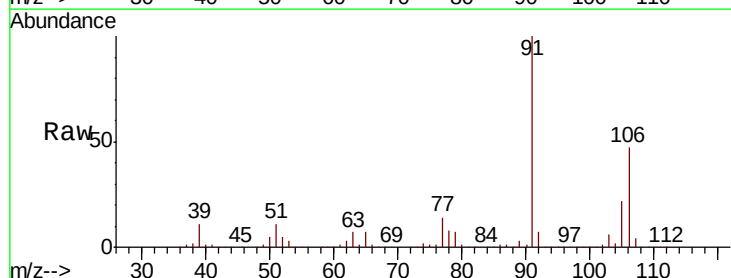
Acq: 01 May 2020 20:22

Tgt Ion: 106 Resp: 472046

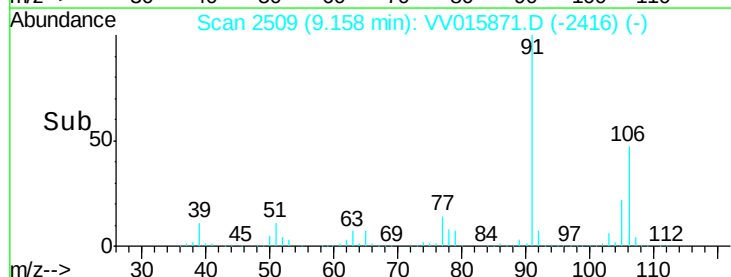
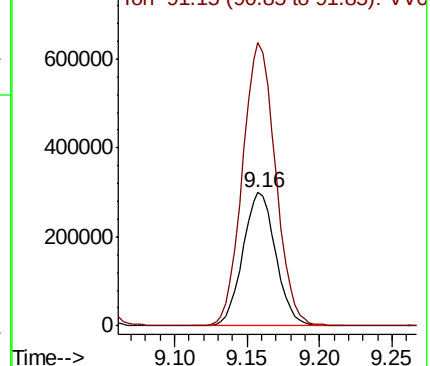
Ion Ratio Lower Upper

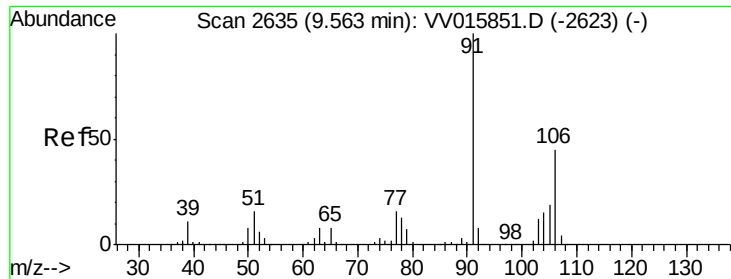
106 100

91 212.1 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015871.D (-2497) (-)





#54

o-xylene

Concen: 18.418 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV015871.D

Acq: 01 May 2020 20:22

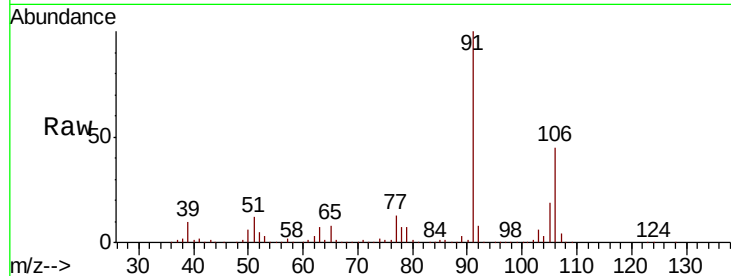
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 272138

Ion Ratio Lower Upper

106 100

91 224.1 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): VV015851.D (-2623) (-)

Ion 91.15 (90.85 to 91.85): VV015851.D (-2623) (-)

400000

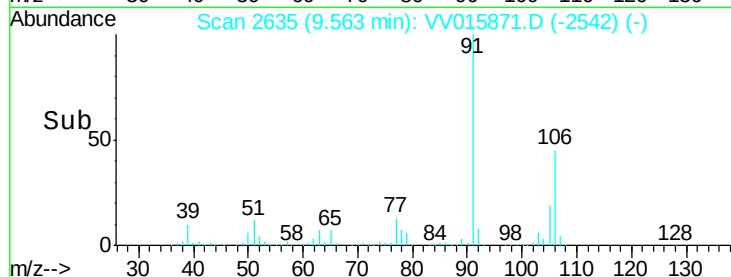
300000

200000

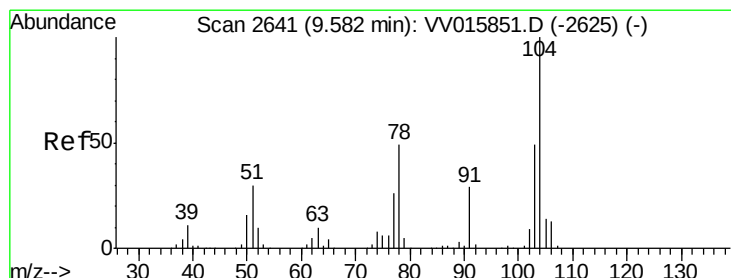
100000

0

9.50 9.55 9.60 9.65



Time-->



#55

Styrene

Concen: 0.967 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.02 min

Lab File: VV015871.D

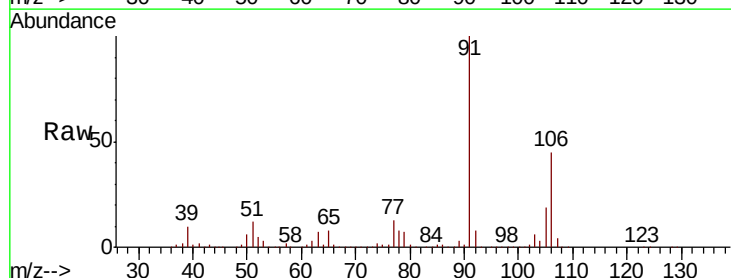
Acq: 01 May 2020 20:22

Tgt Ion:104 Resp: 24242

Ion Ratio Lower Upper

104 100

78 270.6 34.5 64.1#



Abundance Ion 104.10 (103.80 to 104.80): VV015851.D (-2625) (-)

Ion 78.10 (77.80 to 78.80): VV015851.D (-2625) (-)

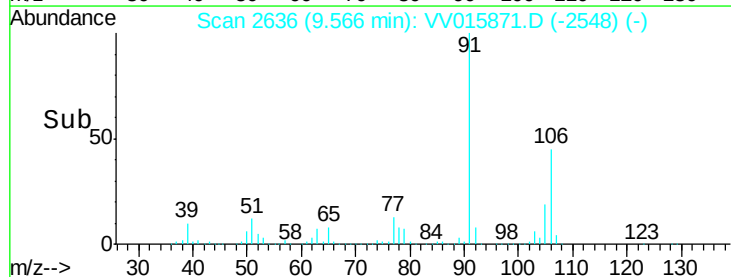
30000

20000

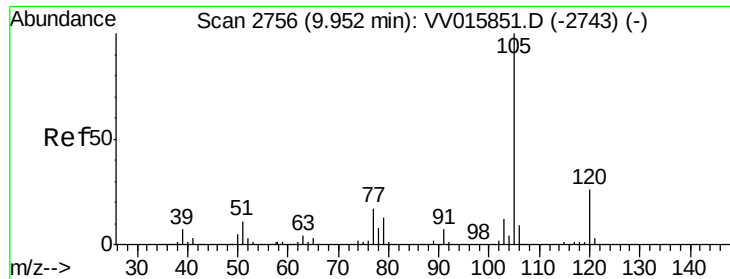
10000

0

9.50 9.55 9.60 9.65



Time-->



#56

Isopropylbenzene

Concen: 1.039 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015871.D

Acq: 01 May 2020 20:22

Instrument :

MSVOA_V

ClientSampleId :

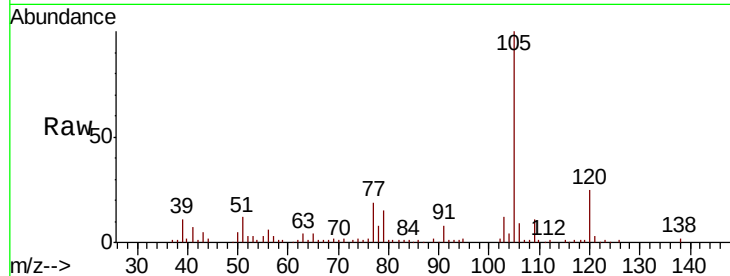
Tot Ion: 105 Resp: 43064

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

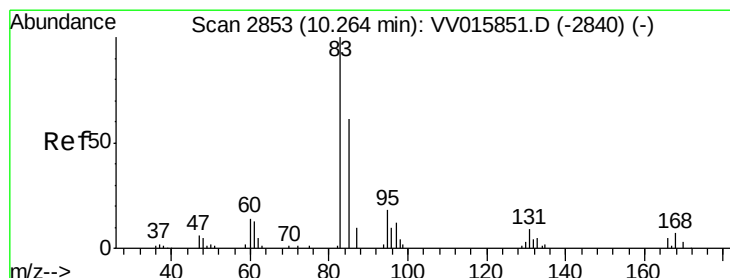
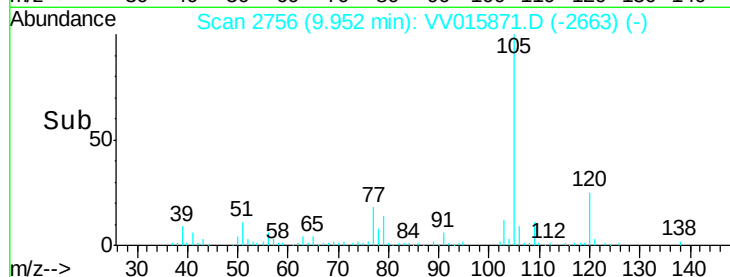
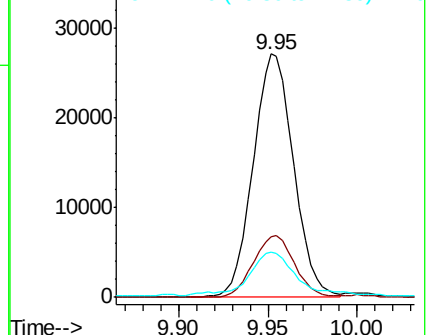
77 21.1 13.9 20.9#



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



#58

1,1,2,2-Tetrachloroethane

Concen: 0.118 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VV015871.D

Acq: 01 May 2020 20:22

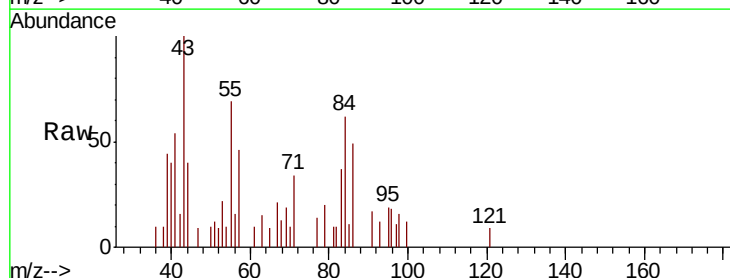
Tgt Ion: 83 Resp: 803

Ion Ratio Lower Upper

83 100

85 29.9 46.3 85.9#

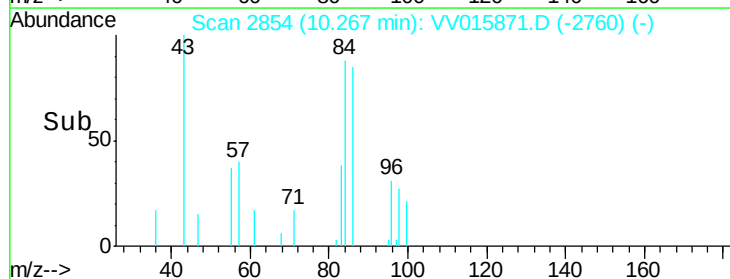
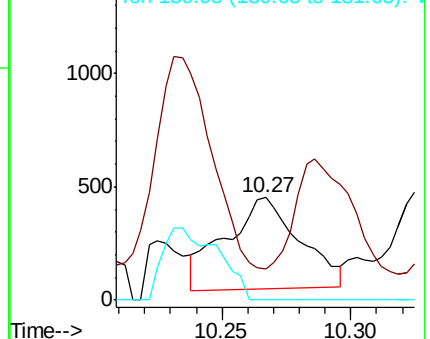
131 0.0 7.7 11.5#

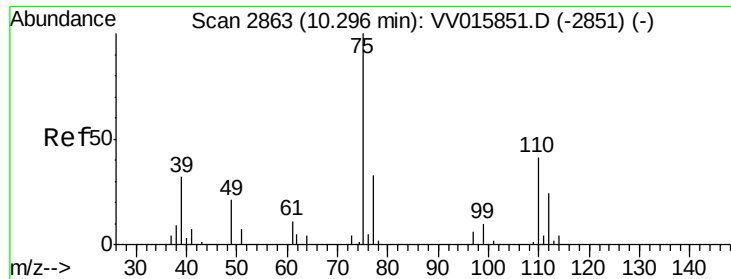


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.228 ug/L

RT: 10.37 min Scan# 2887

Delta R.T. 0.08 min

Lab File: VV015871.D

Acq: 01 May 2020 20:22

Instrument :

MSVOA_V

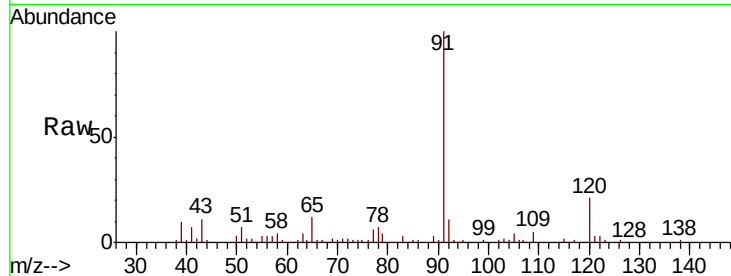
ClientSampleId :

Tot Ion: 75 Resp: 1248

Ion Ratio Lower Upper

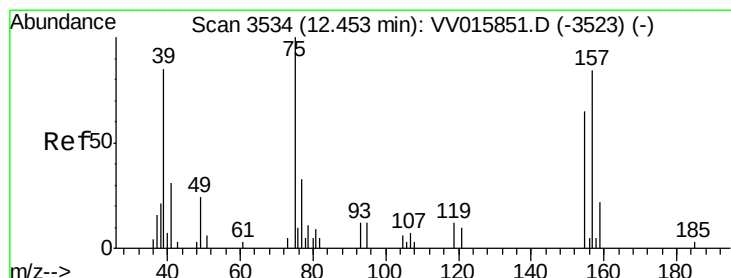
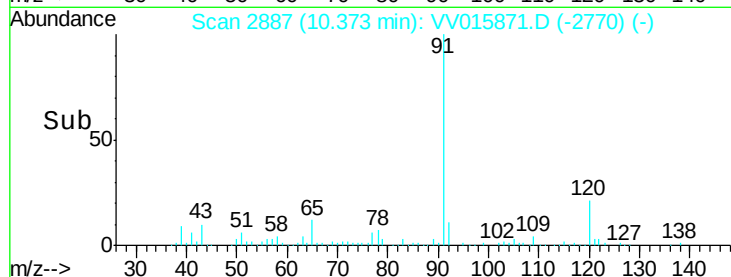
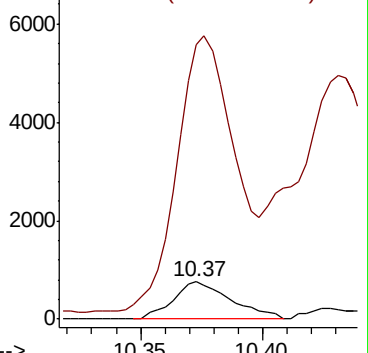
75 100

77 750.8 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: 31.124 ug/L

RT: 12.49 min Scan# 3544

Delta R.T. 0.03 min

Lab File: VV015871.D

Acq: 01 May 2020 20:22

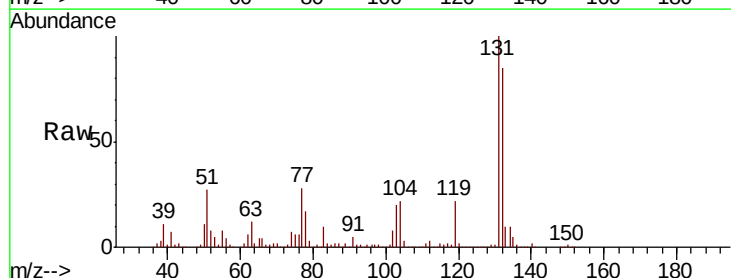
Tgt Ion: 75 Resp: 36658

Ion Ratio Lower Upper

75 100

155 0.0 51.0 76.4#

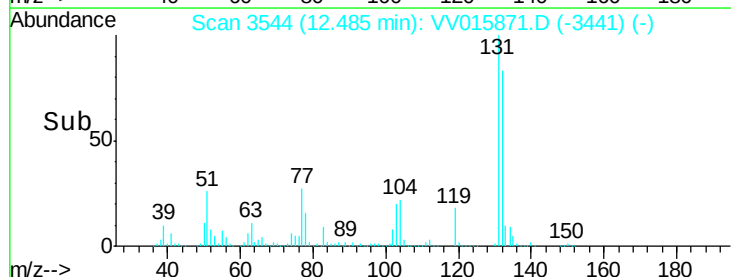
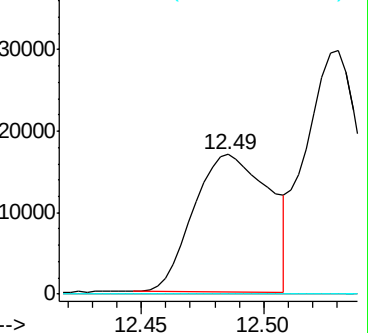
157 0.0 70.6 106.0#

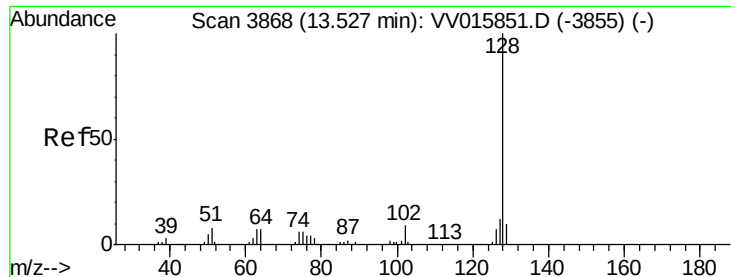


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#69

Naphthalene

Concen: 80.555 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV015871.D

Acq: 01 May 2020 20:22

Instrument :

MSVOA_V

ClientSampleId :

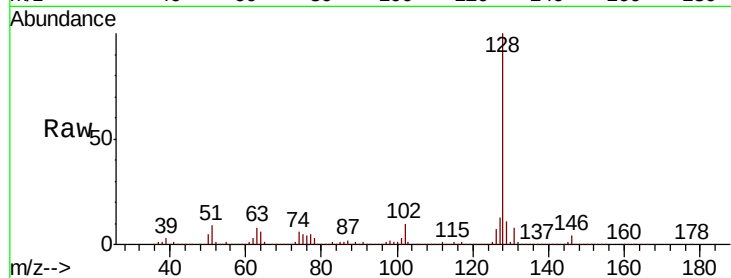
Tot Ion:128 Resp: 1960058

Ion Ratio Lower Upper

128 100

129 11.8 8.4 12.6

127 13.5 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

