

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016304.D
 Acq On : 29 May 2020 03:07
 Operator : SY/MD
 Sample : L2662-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 29 04:26:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 04:21:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	98590	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	94921	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	48903	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	26183	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.58	69	17558	3.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	63.20%#
11) 1,1-Dichloroethene-d2	2.12	63	47112	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	3.96	46	17958	11.43	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	22.86%#
24) Chloroform-d	4.38	84	52817	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	5.06	65	28390	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
32) Benzene-d6	5.07	84	106177	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.10	67	32285	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	7.34	98	96795	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
45) trans-1,3-Dichloropropene-	7.65	79	10642	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
48) 2-Hexanone-d5	8.12	63	56474	45.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.82%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	22496	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	37408	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	372252	43.114	ug/L	99
8) Chloroethane	1.51	64	10280	2.131	ug/L #	51
12) 1,1-Dichloroethene	2.13	96	21032	3.617	ug/L	92
13) Acetone	2.26	43	5719	5.882	ug/L	60
14) Carbon disulfide	2.31	76	2082	0.115	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	36843	5.790	ug/L	96
19) 1,1-Dichloroethane	3.21	63	2515	0.208	ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	7918446	1052.095	ug/L	100
27) 1,2-Dichloroethane	5.16	62	20362	2.434	ug/L #	93
33) Benzene	5.12	78	233697	8.556	ug/L	100
34) Trichloroethene	5.94	95	14096	1.981	ug/L	95
35) Methylcyclohexane	6.09	83	7734	0.644	ug/L #	17
37) 1,2-Dichloropropane	6.20	63	767	0.114	ug/L #	88
42) Toluene	7.41	91	347023	11.650	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	106720	3.935	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	281894	10.093	ug/L	98
46) trans-1,3-Dichloropropene	7.64	75	503	0.064	ug/L #	76

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 29 04:21:25 2020
Response via : Initial Calibration

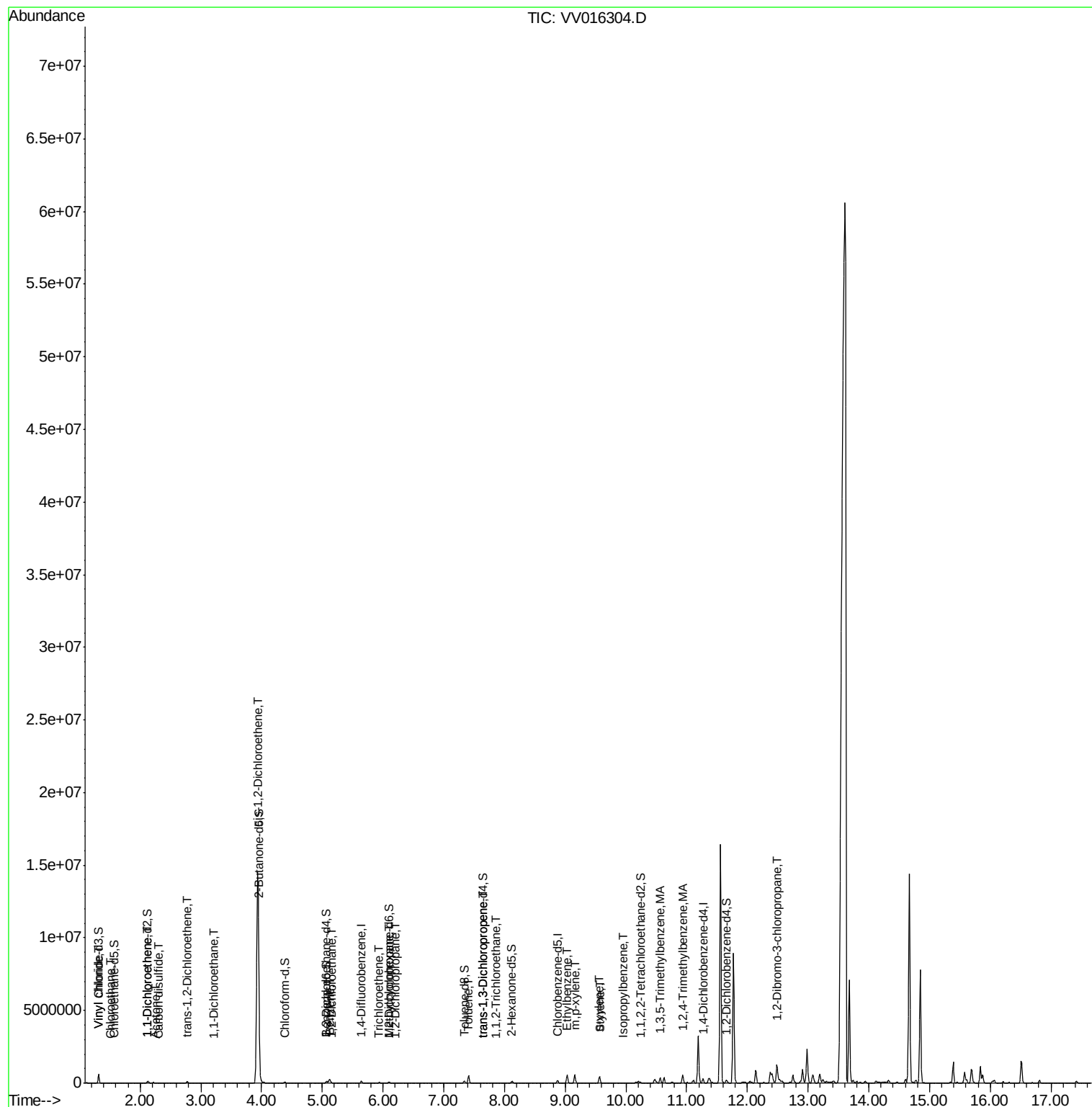
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	7.87	97	3703	0.840	ug/L	98
54) Ethylbenzene	9.03	91	371341	11.184	ug/L	99
55) m,p-xylene	9.16	106	156597	12.577	ug/L	100
56) o-xylene	9.56	106	115672	9.749	ug/L	96
57) Styrene	9.58	104	22542	1.142	ug/L #	49
58) Isopropylbenzene	9.95	105	18833	0.579	ug/L	100
67) 1,2-Dibromo-3-chloropropan	12.49	75	29876	32.788	ug/L #	9

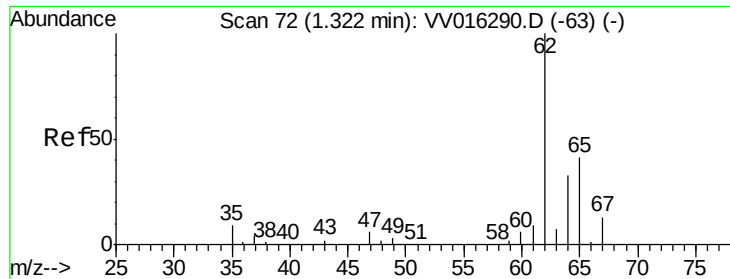
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 43.114 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VV016304.D

Acq: 29 May 2020 03:07

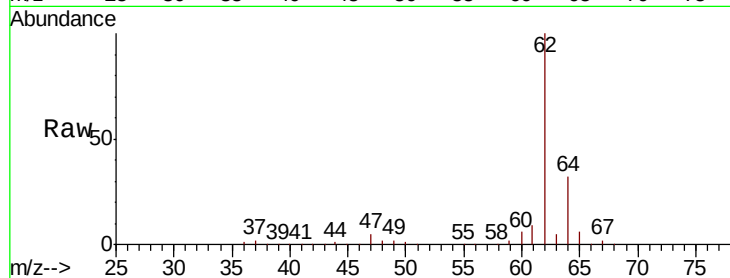
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 372252

Ion Ratio Lower Upper

62 100

64 31.9 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

400000

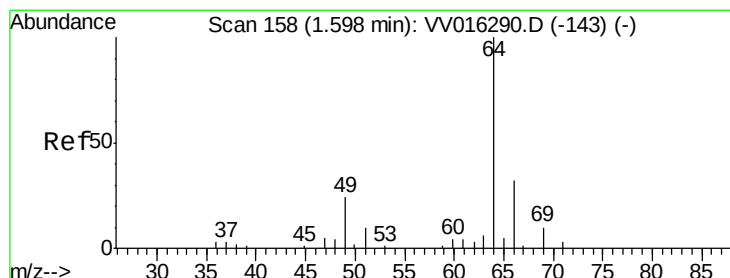
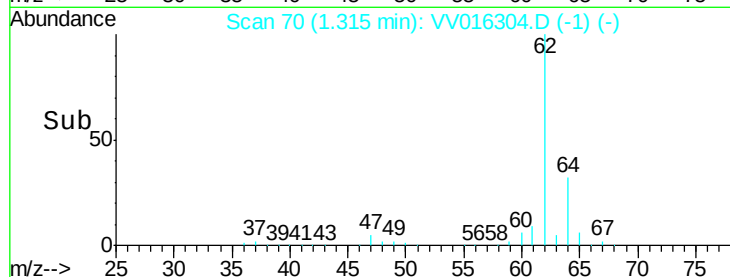
300000

200000

100000

0

Time-->



#8

Chloroethane

Concen: 2.131 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.08 min

Lab File: VV016304.D

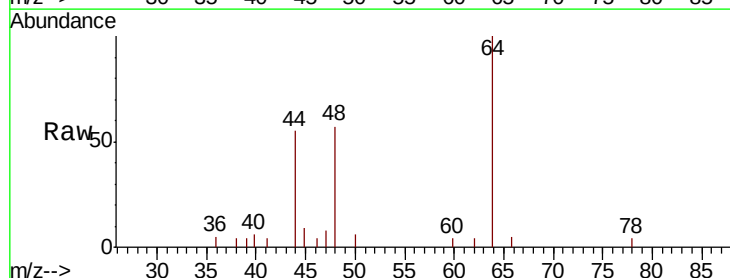
Acq: 29 May 2020 03:07

Tgt Ion: 64 Resp: 10280

Ion Ratio Lower Upper

64 100

66 5.0 22.9 42.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

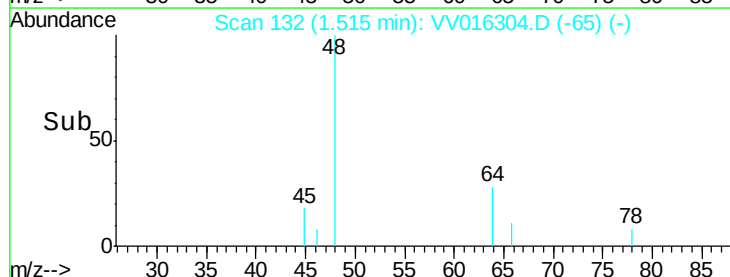
15000

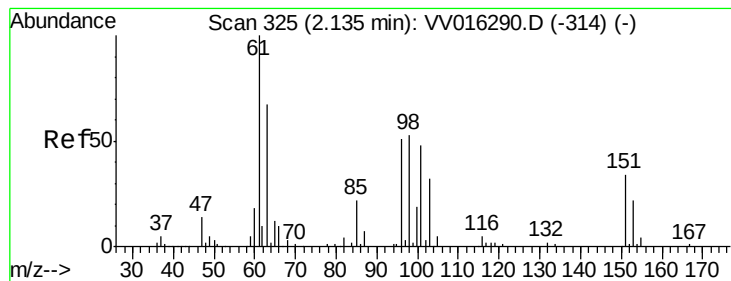
10000

5000

0

Time-->





#12

1,1-Dichloroethene

Concen: 3.617 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

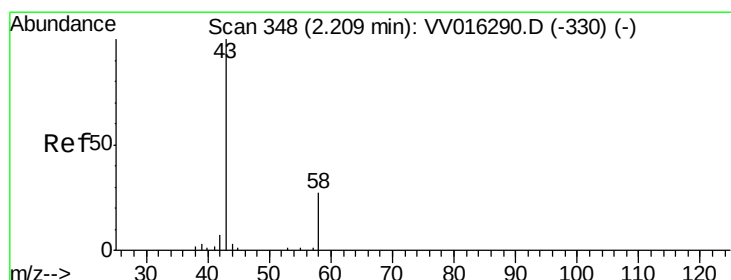
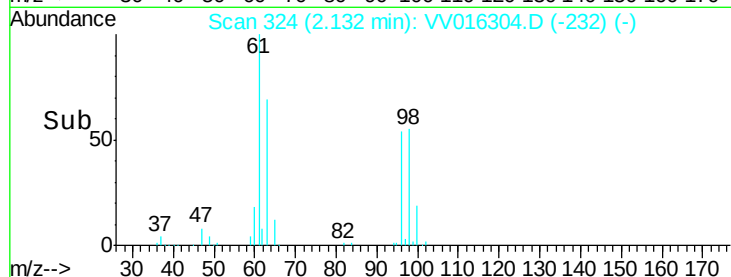
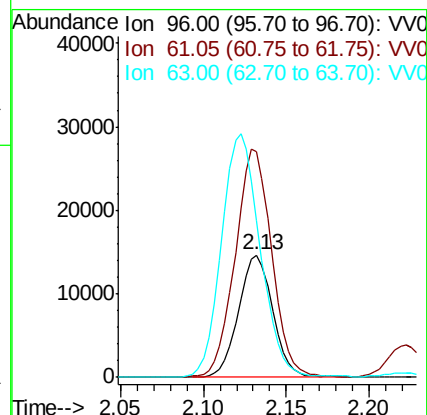
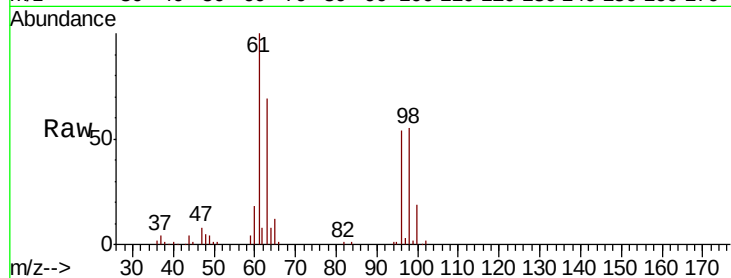
Lab File: VV016304.D

Acq: 29 May 2020 03:07

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 21032

Ion	Ratio	Lower	Upper
96	100		
61	184.7	124.9	231.9
63	128.1	80.4	149.2



#13

Acetone

Concen: 5.882 ug/L

RT: 2.26 min Scan# 364

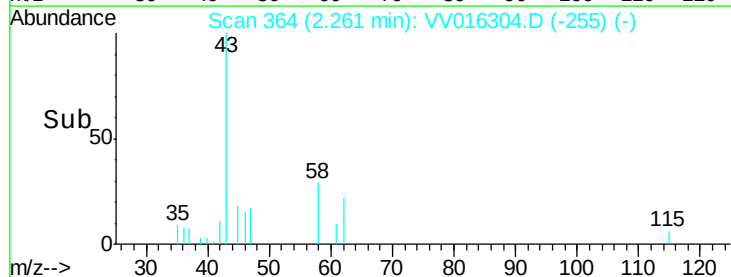
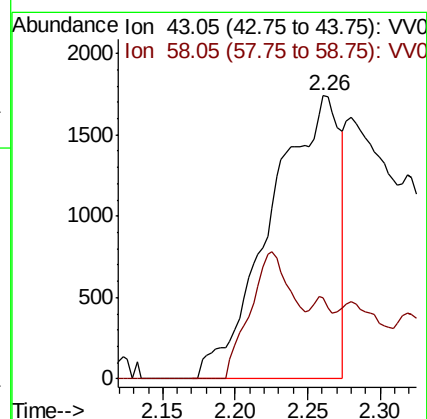
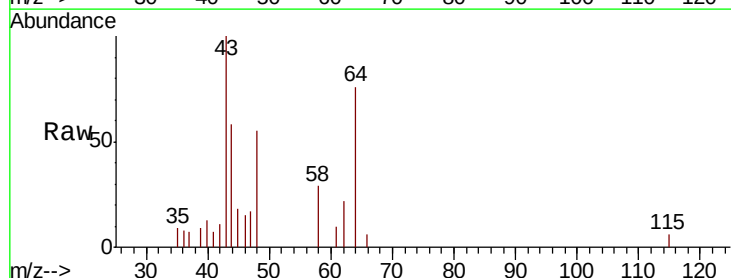
Delta R.T. 0.05 min

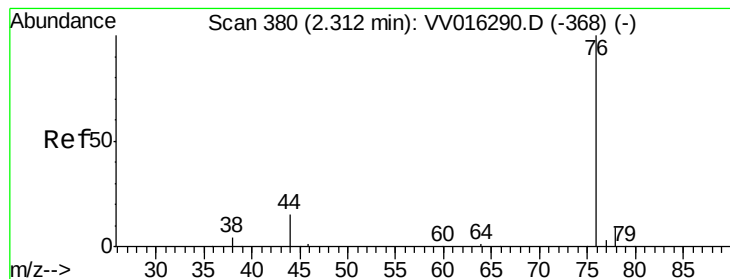
Lab File: VV016304.D

Acq: 29 May 2020 03:07

Tgt Ion: 43 Resp: 5719

Ion	Ratio	Lower	Upper
43	100		
58	4.6	0.0	48.8





#14

Carbon disulfide

Concen: 0.115 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VV016304.D

Acq: 29 May 2020 03:07

Instrument :

MSVOA_V

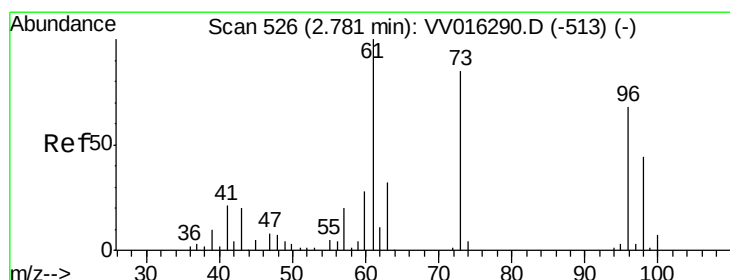
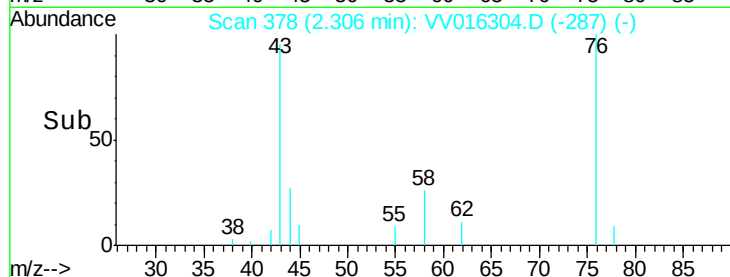
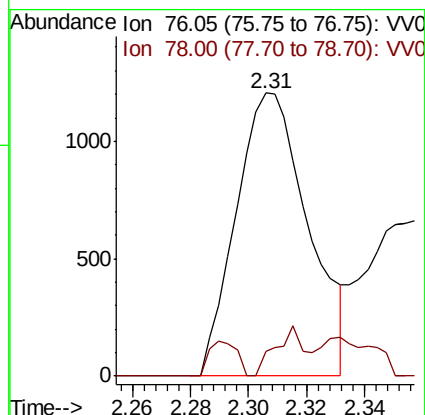
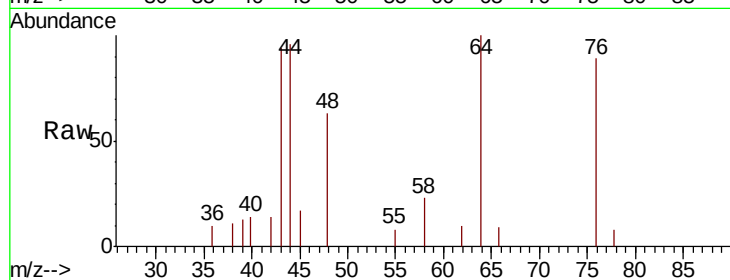
ClientSampled :

Tot Ion: 76 Resp: 2082

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0



#18

trans-1,2-Dichloroethene

Concen: 5.790 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.01 min

Lab File: VV016304.D

Acq: 29 May 2020 03:07

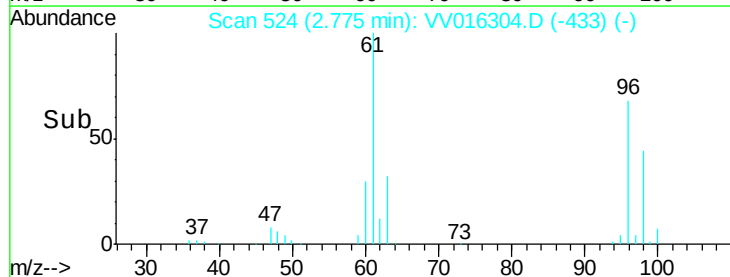
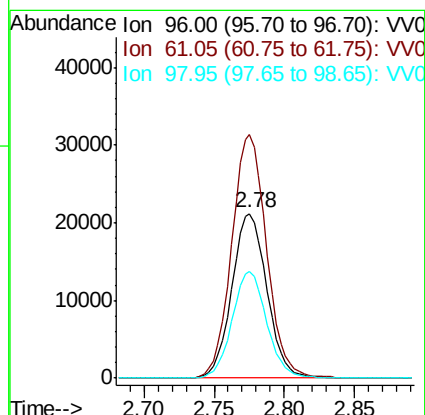
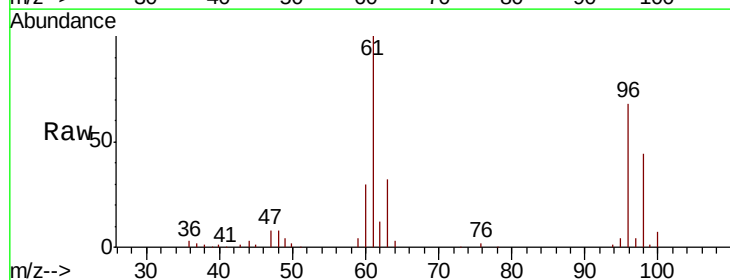
Tgt Ion: 96 Resp: 36843

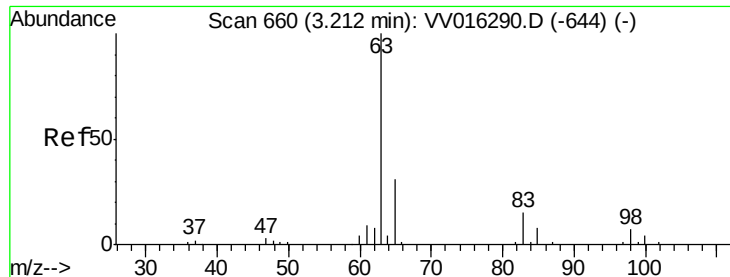
Ion Ratio Lower Upper

96 100

61 147.9 99.8 185.4

98 65.1 44.0 81.6

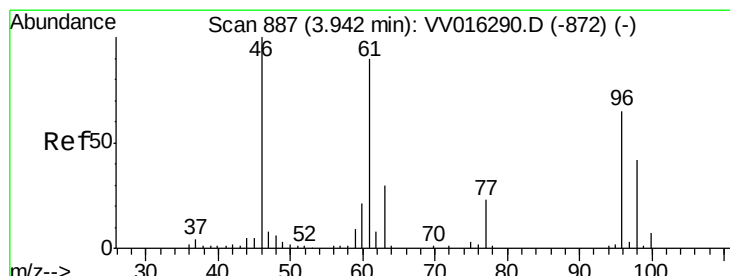
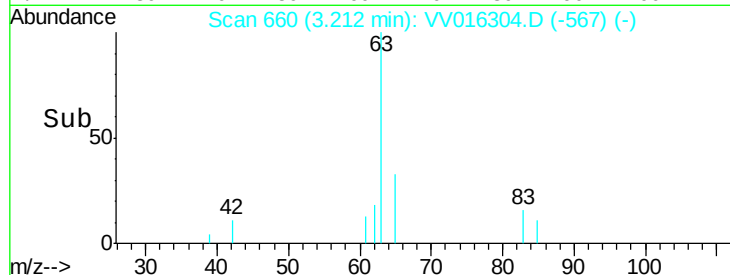
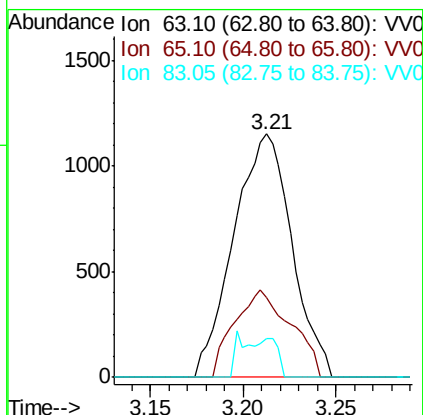
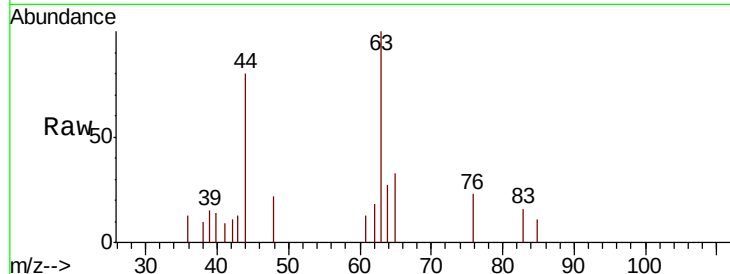




#19
 1,1-Dichloroethane
 Concen: 0.208 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV016304.D
 Acq: 29 May 2020 03:07

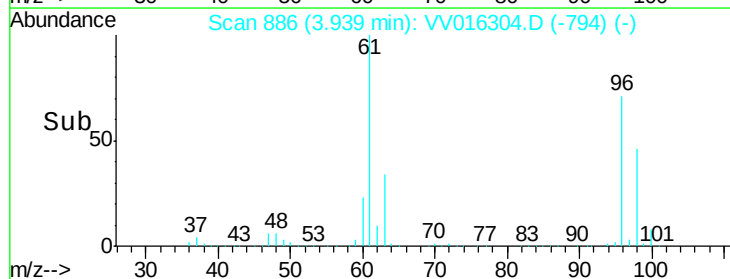
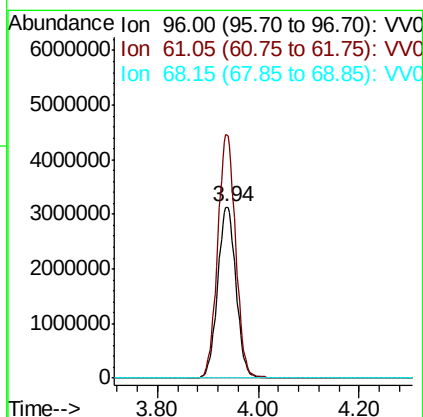
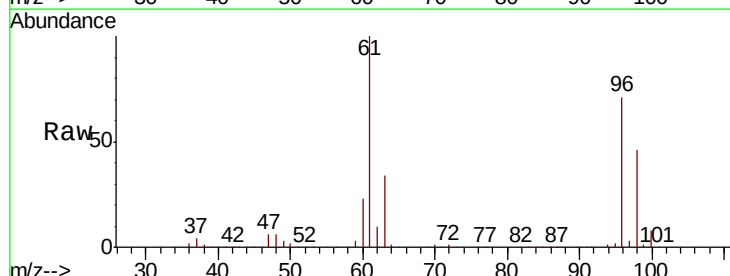
Instrument :
 MSVOA_V
 ClientSampleId :

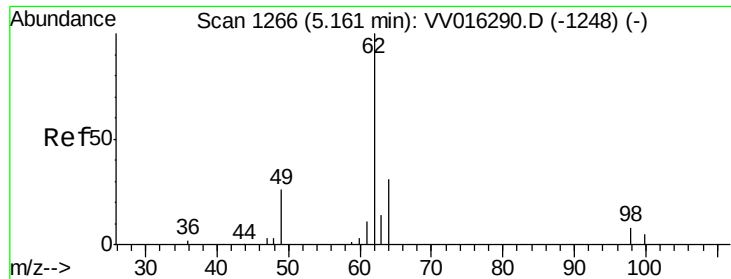
Tot Ion: 63 Resp: 2515
 Ion Ratio Lower Upper
 63 100
 65 33.0 22.3 41.5
 83 16.0 9.4 17.4



#22
 cis-1,2-Dichloroethene
 Concen: 1052.095 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV016304.D
 Acq: 29 May 2020 03:07

Tgt Ion: 96 Resp: 7918446
 Ion Ratio Lower Upper
 96 100
 61 141.8 99.7 185.1
 68 0.0 0.0 0.0

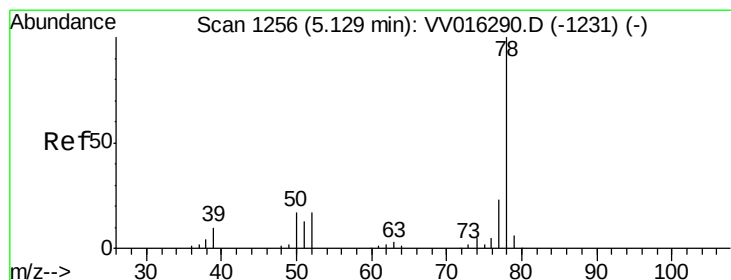
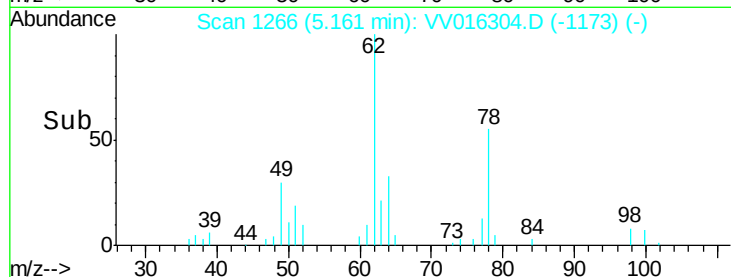
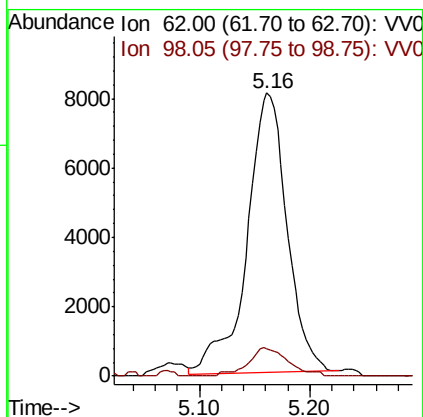
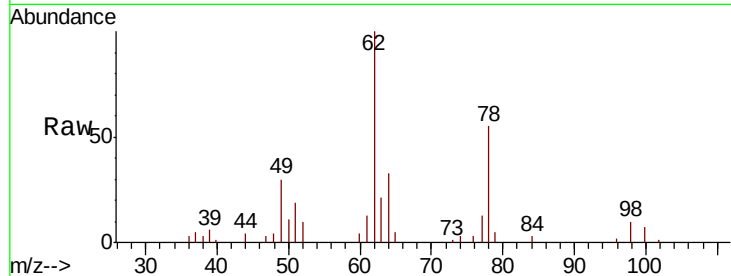




#27
 1,2-Dichloroethane
 Concen: 2.434 ug/L
 RT: 5.16 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VV016304.D
 Acq: 29 May 2020 03:07

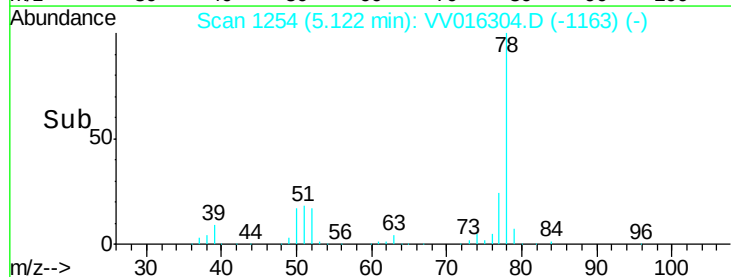
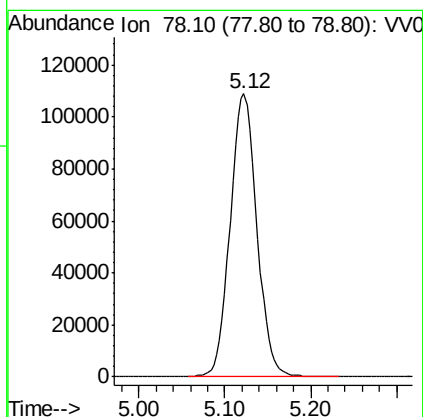
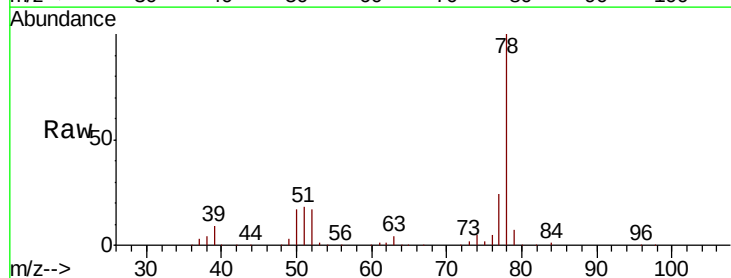
Instrument :
 MSVOA_V
 ClientSampleId :

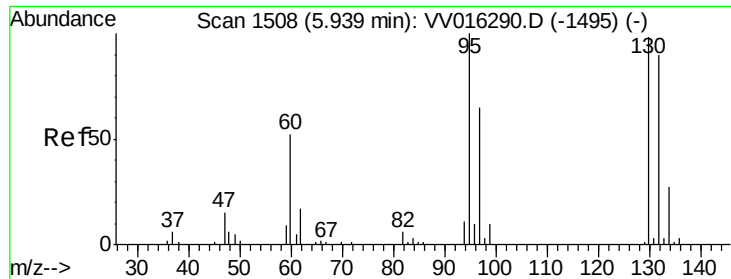
Tot Ion: 62 Resp: 20362
 Ion Ratio Lower Upper
 62 100
 98 9.6 5.7 8.5#



#33
 Benzene
 Concen: 8.556 ug/L
 RT: 5.12 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VV016304.D
 Acq: 29 May 2020 03:07

Tgt Ion: 78 Resp: 233697

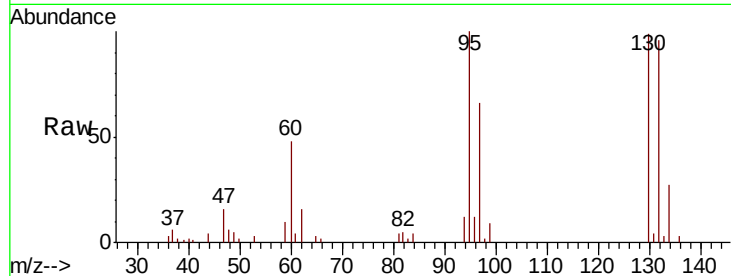




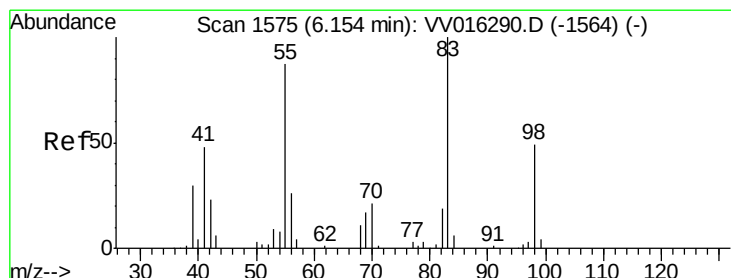
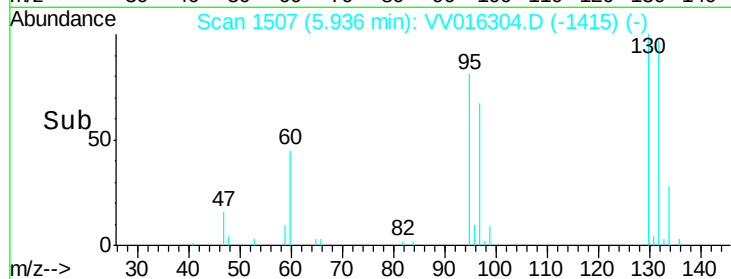
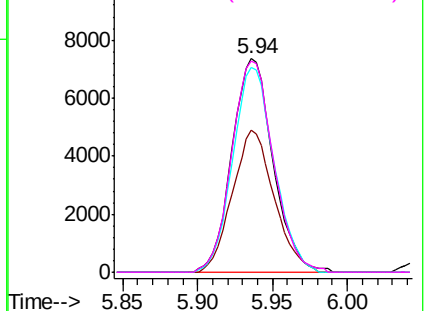
#34
 Trichloroethene
 Concen: 1.981 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016304.D
 Acq: 29 May 2020 03:07

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 14096
 Ion Ratio Lower Upper
 95 100
 97 66.3 43.6 81.0
 132 95.9 63.9 118.7
 130 99.0 65.2 121.0

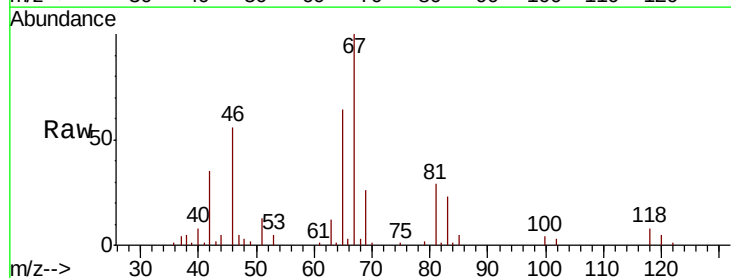


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

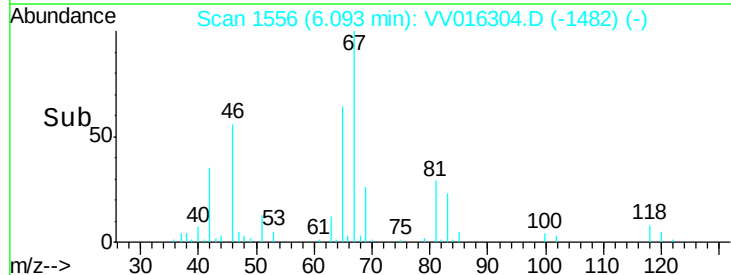
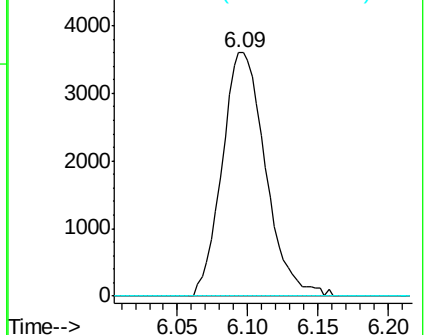


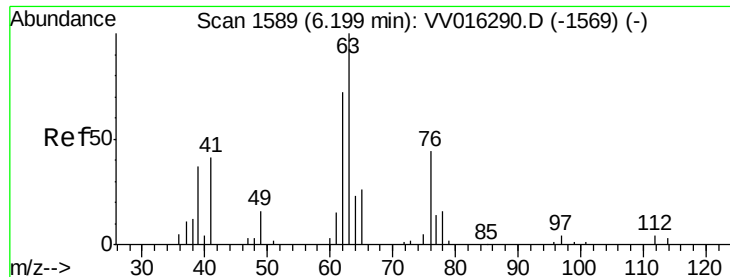
#35
 Methylcyclohexane
 Concen: 0.644 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.06 min
 Lab File: VV016304.D
 Acq: 29 May 2020 03:07

Tgt Ion: 83 Resp: 7734
 Ion Ratio Lower Upper
 83 100
 55 0.0 65.4 98.0#
 98 1.4 39.3 58.9#



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

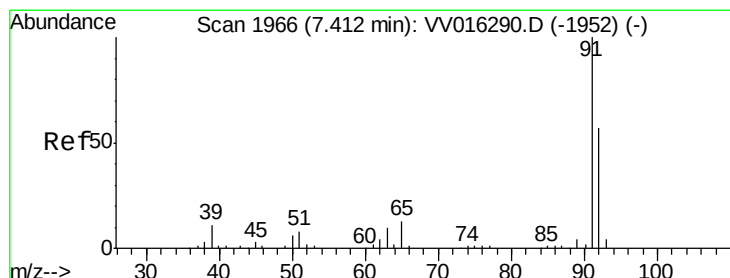
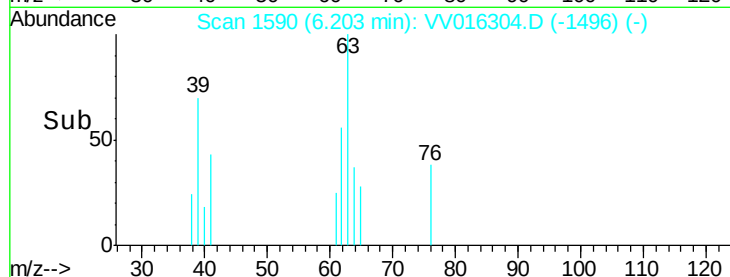
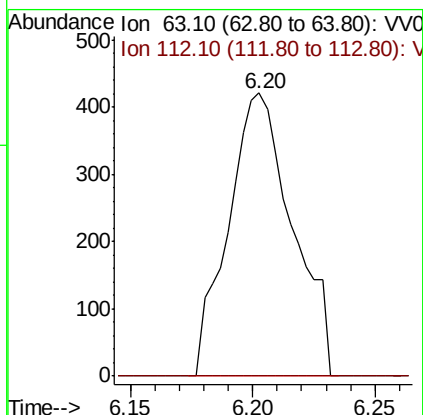
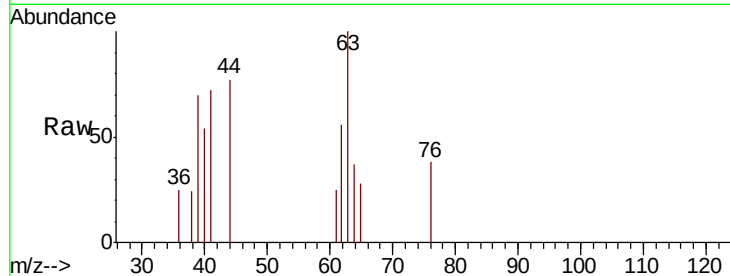




#37
 1,2-Dichloropropane
 Concen: 0.114 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: VV016304.D
 Acq: 29 May 2020 03:07

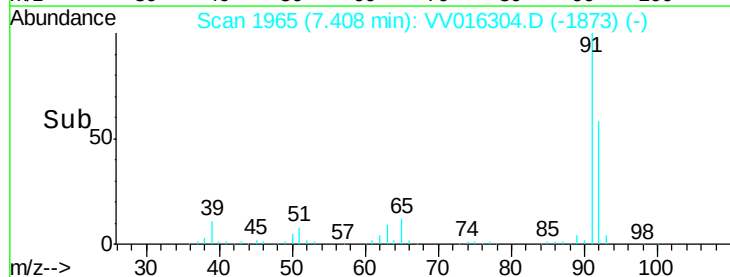
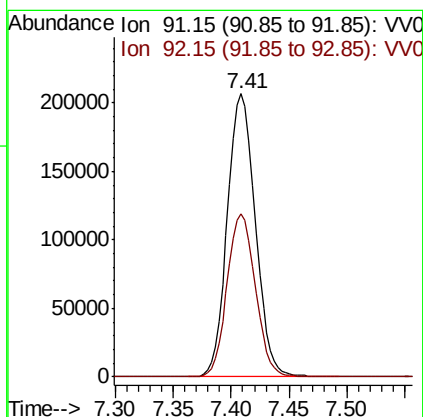
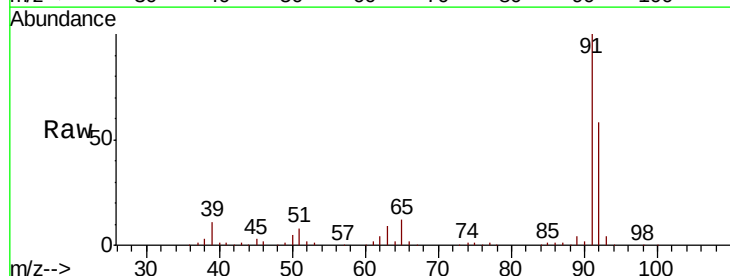
Instrument :
 MSVOA_V
 ClientSampled :

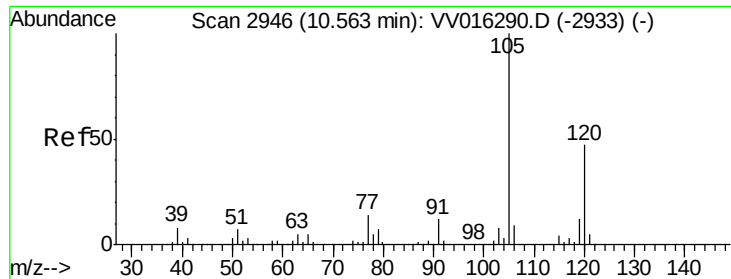
Tot Ion: 63 Resp: 767
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#42
 Toluene
 Concen: 11.650 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VV016304.D
 Acq: 29 May 2020 03:07

Tgt Ion: 91 Resp: 347023
 Ion Ratio Lower Upper
 91 100
 92 57.7 40.9 76.0

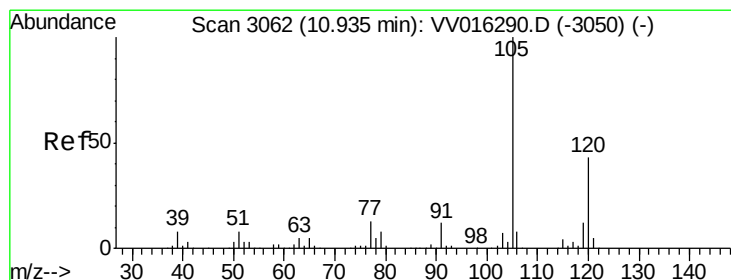
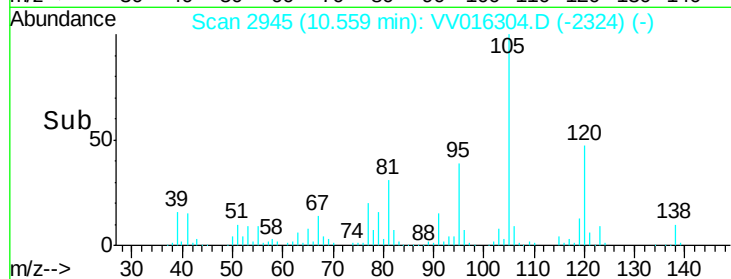
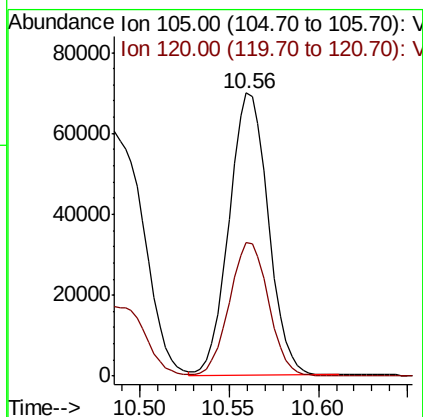
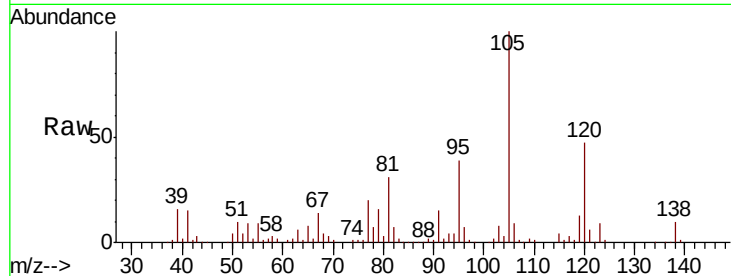




#43
 1,3,5-Trimethylbenzene
 Concen: 3.935 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV016304.D
 Acq: 29 May 2020 03:07

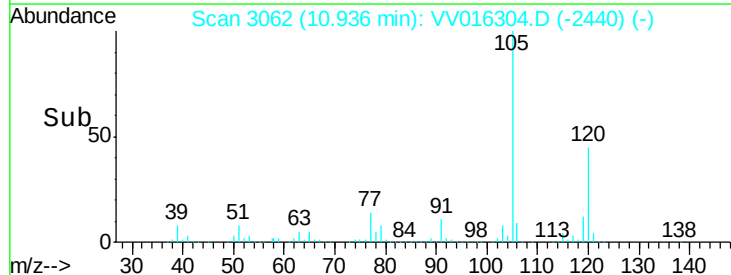
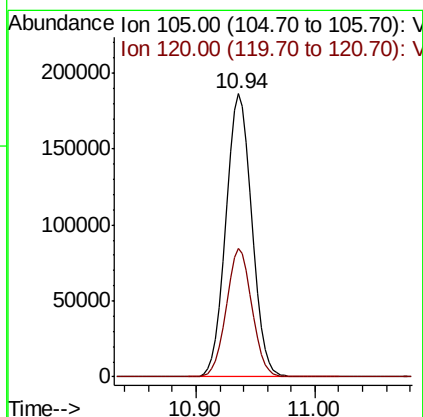
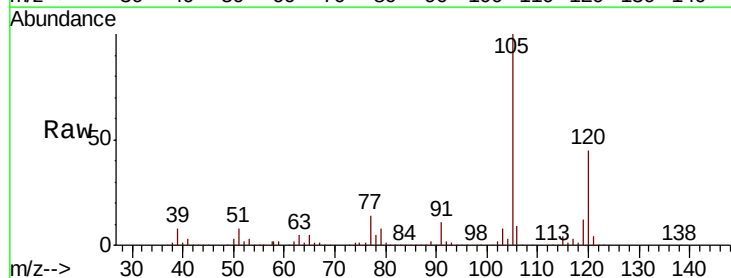
Instrument :
 MSVOA_V
 ClientSampleId :

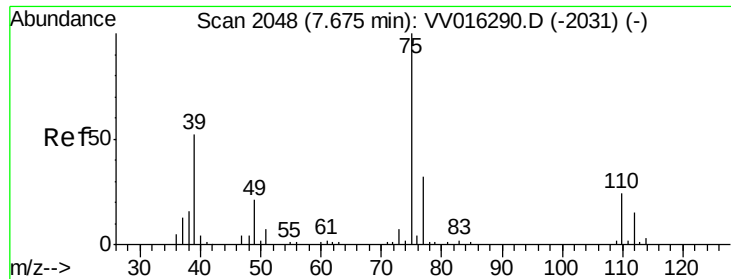
Tot Ion:105 Resp: 106720
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.4 56.0



#44
 1,2,4-Trimethylbenzene
 Concen: 10.093 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV016304.D
 Acq: 29 May 2020 03:07

Tgt Ion:105 Resp: 281894
 Ion Ratio Lower Upper
 105 100
 120 44.5 34.6 52.0





#46

trans-1,3-Dichloropropene

Concen: 0.064 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016304.D

Acq: 29 May 2020 03:07

Instrument :

MSVOA_V

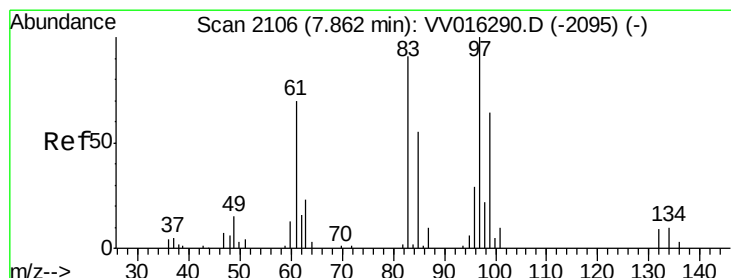
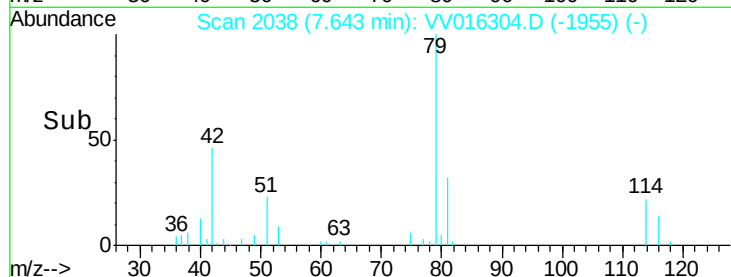
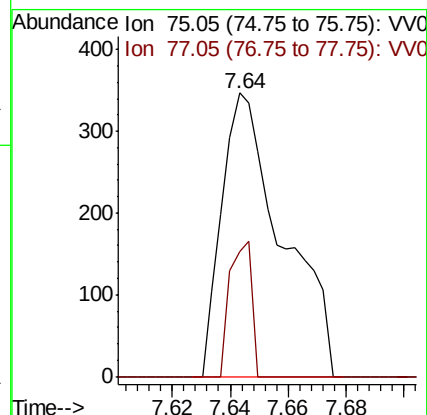
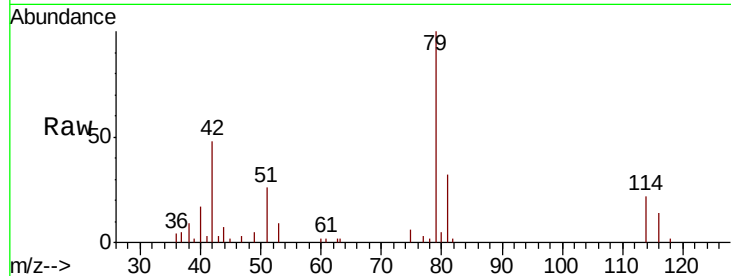
ClientSampleId :

Tot Ion: 75 Resp: 503

Ion Ratio Lower Upper

75 100

77 44.1 21.7 40.3#



#47

1,1,2-Trichloroethane

Concen: 0.840 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VV016304.D

Acq: 29 May 2020 03:07

Tgt Ion: 97 Resp: 3703

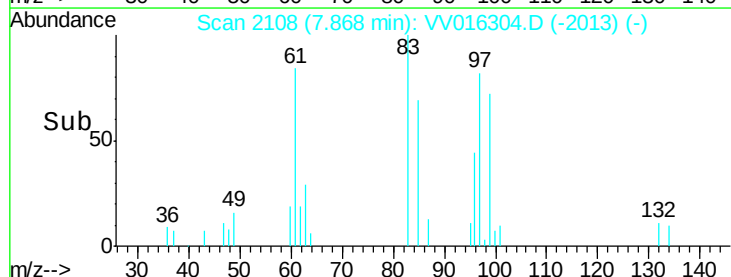
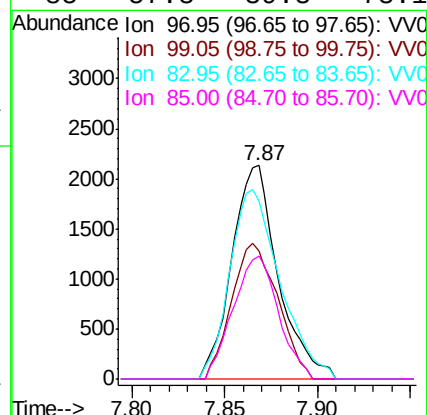
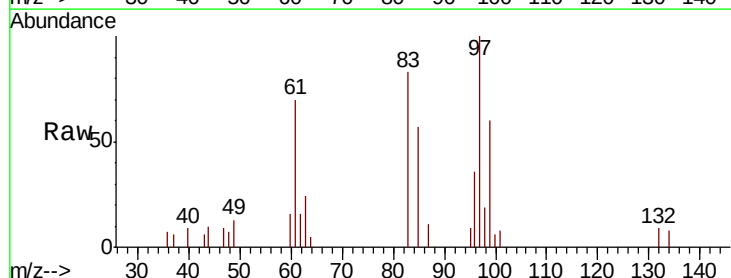
Ion Ratio Lower Upper

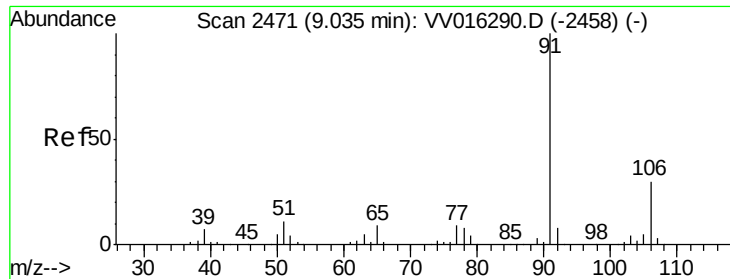
97 100

99 59.8 40.8 75.8

83 83.4 60.0 111.4

85 57.3 39.3 73.1





#54

Ethylbenzene

Concen: 11.184 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016304.D

Acq: 29 May 2020 03:07

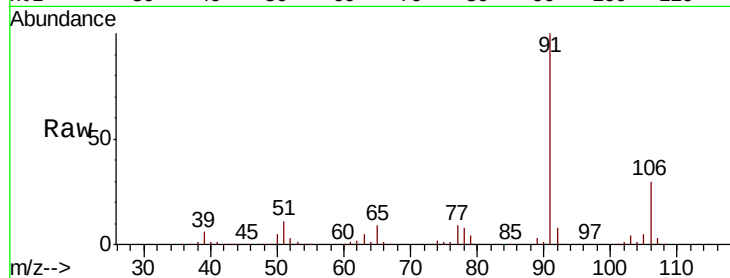
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 371341

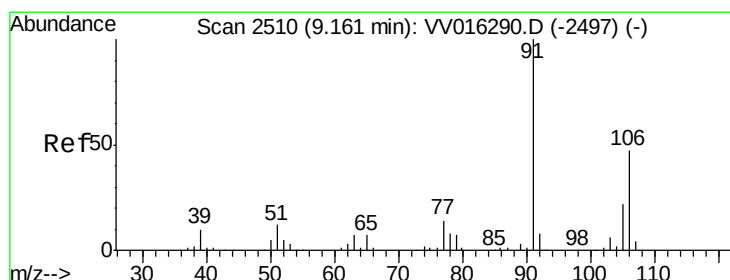
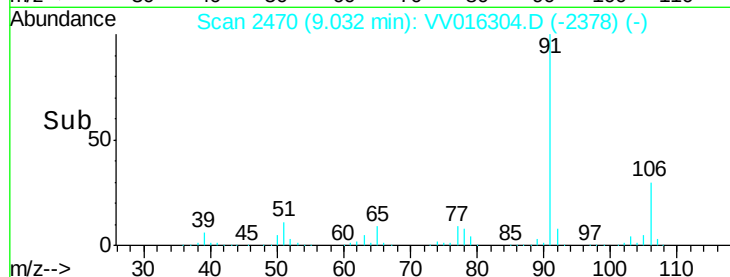
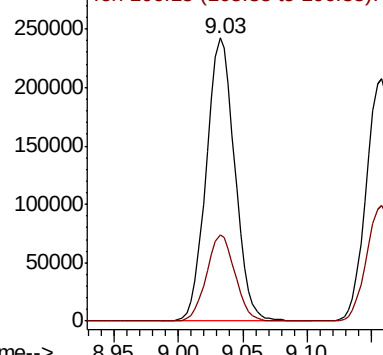
Ion Ratio Lower Upper

91 100

106 30.3 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VV016304.D (-2378) (-)



#55

m,p-xylene

Concen: 12.577 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016304.D

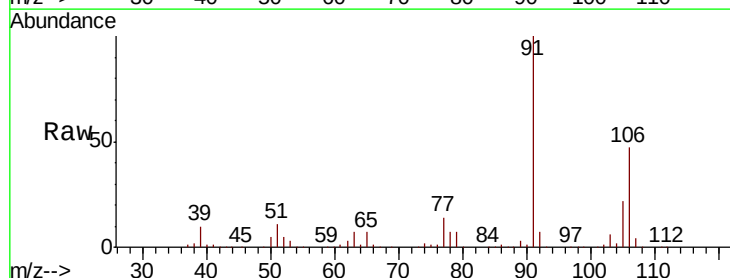
Acq: 29 May 2020 03:07

Tgt Ion: 106 Resp: 156597

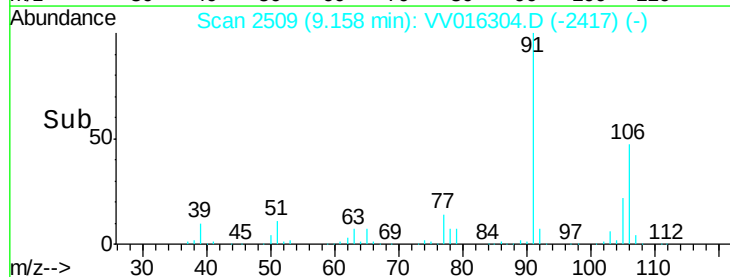
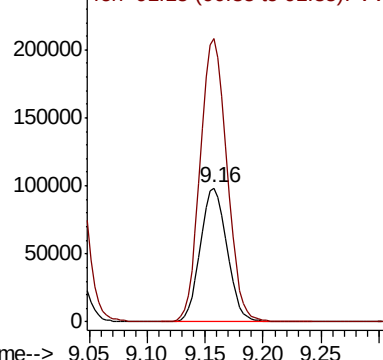
Ion Ratio Lower Upper

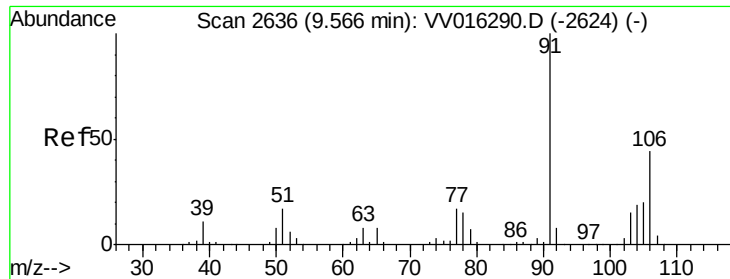
106 100

91 210.8 148.1 275.0



Abundance Ion 106.15 (105.85 to 106.85): VV016304.D (-2417) (-)

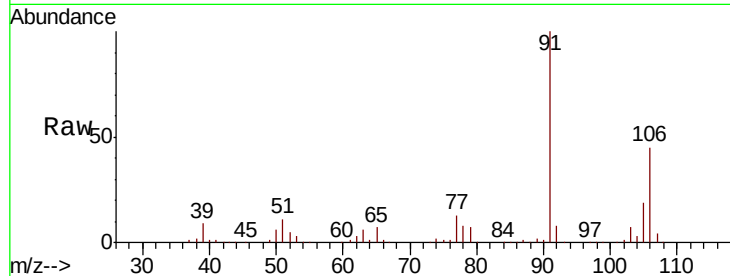




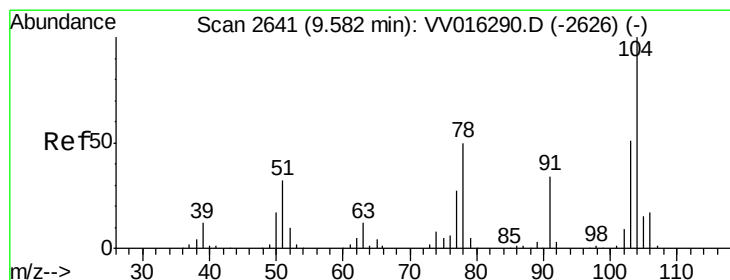
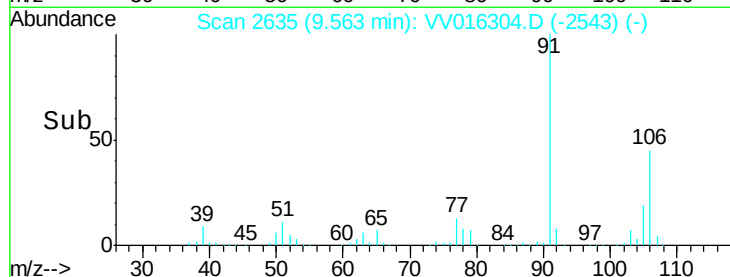
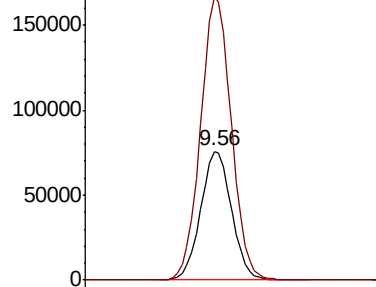
#56
o-xylene
Concen: 9.749 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016304.D
Acq: 29 May 2020 03:07

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 115672
Ion Ratio Lower Upper
106 100
91 220.1 158.8 294.8

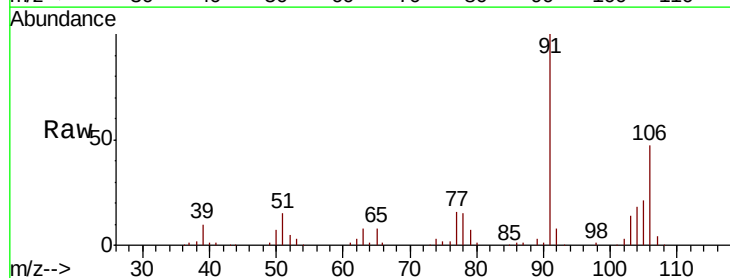


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

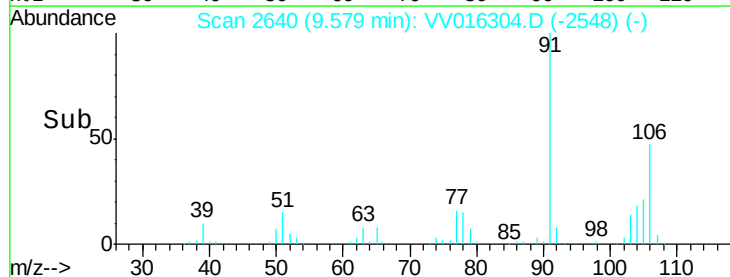
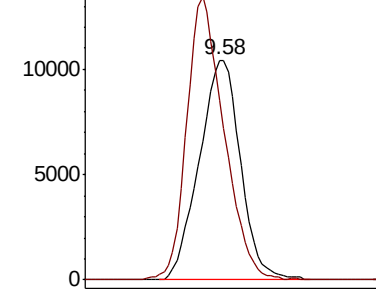


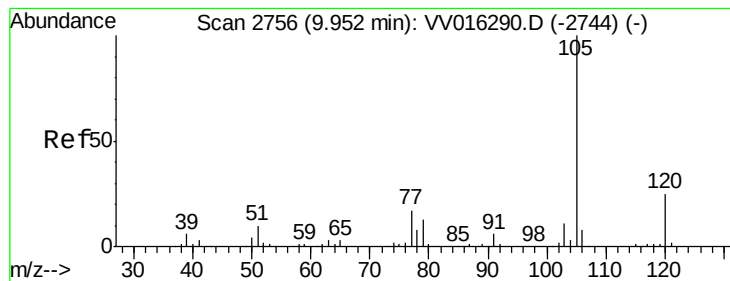
#57
Styrene
Concen: 1.142 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV016304.D
Acq: 29 May 2020 03:07

Tgt Ion:104 Resp: 22542
Ion Ratio Lower Upper
104 100
78 82.0 33.2 61.7#



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





#58

Isopropylbenzene

Concen: 0.579 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016304.D

Acq: 29 May 2020 03:07

Instrument :

MSVOA_V

ClientSampleId :

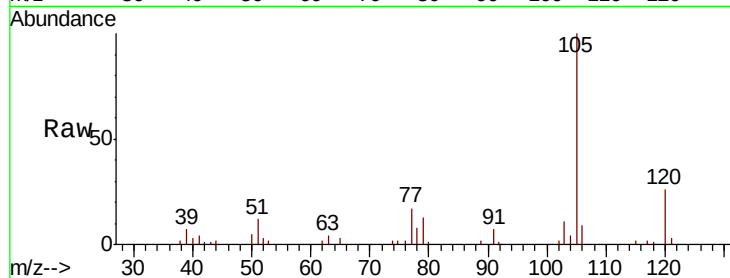
Tot Ion:105 Resp: 18833

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

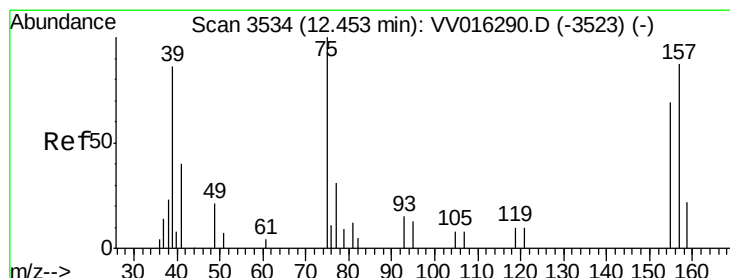
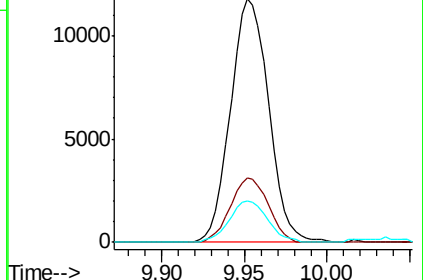
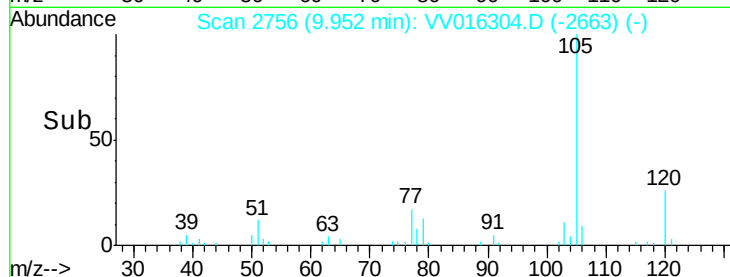
77 17.1 13.9 20.9



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



#67

1,2-Dibromo-3-chloropropane

Concen: 32.788 ug/L

RT: 12.49 min Scan# 3544

Delta R.T. 0.03 min

Lab File: VV016304.D

Acq: 29 May 2020 03:07

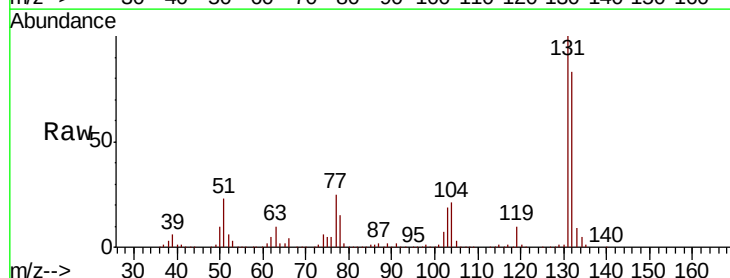
Tgt Ion: 75 Resp: 29876

Ion Ratio Lower Upper

75 100

155 0.0 56.2 84.4#

157 0.0 71.9 107.9#



Abundance Ion 75.05 (74.75 to 75.75): V

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

