

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016316.D
 Acq On : 29 May 2020 15:32
 Operator : SY/MD
 Sample : L2756-08DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETKX0DL

Quant Time: Jun 01 01:27:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 03:05:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	119083	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	112037	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	54855	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24886	3.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.00%
7) Chloroethane-d5	1.58	69	20476	3.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	61.00%#
11) 1,1-Dichloroethene-d2	2.12	63	35815	2.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.80%#
20) 2-Butanone-d5	3.94	46	65668	34.61	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.22%
24) Chloroform-d	4.37	84	47324	3.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	62.20%#
26) 1,2-Dichloroethane-d4	5.06	65	26791	3.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.40%#
32) Benzene-d6	5.07	84	96889	3.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.80%#
36) 1,2-Dichloropropane-d6	6.09	67	29381	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	68.40%
41) Toluene-d8	7.34	98	89291	3.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.60%#
45) trans-1,3-Dichloropropene-	7.64	79	10362	3.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.80%
48) 2-Hexanone-d5	8.12	63	54529	37.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.30%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	20764	3.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	65.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	32600	3.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	71.20%#

Target Compounds

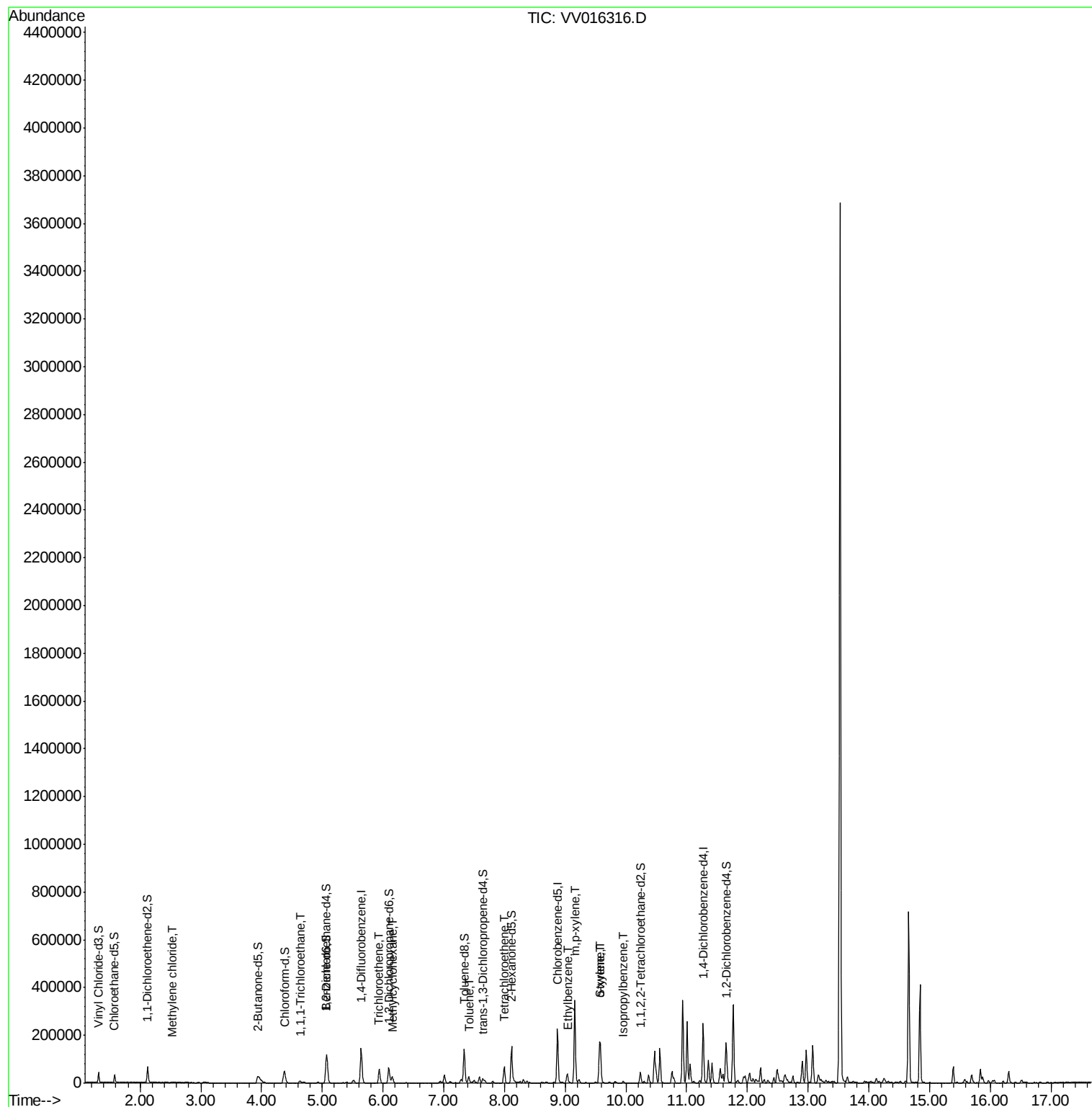
					Ovalue
16) Methylene chloride	2.52	84	1255	0.156	ug/L 97
29) 1,1,1-Trichloroethane	4.63	97	7094	0.533	ug/L 99
34) Trichloroethene	5.94	95	19697	2.345	ug/L 94
35) Methylcyclohexane	6.15	83	10040	0.709	ug/L 94
42) Toluene	7.41	91	19526	0.555	ug/L 99
49) Tetrachloroethene	8.00	164	13960	2.315	ug/L 98
54) Ethylbenzene	9.03	91	26102	0.666	ug/L 100
55) m,p-xylene	9.16	106	86024	5.854	ug/L 99
56) o-xylene	9.56	106	30929	2.208	ug/L 99
57) Styrene	9.58	104	56951	2.444	ug/L 99
58) Isopropylbenzene	9.96	105	4482	0.117	ug/L # 89

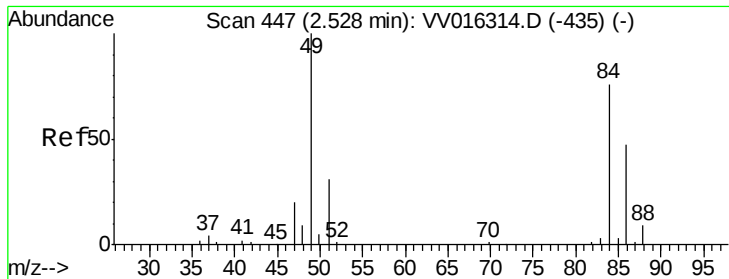
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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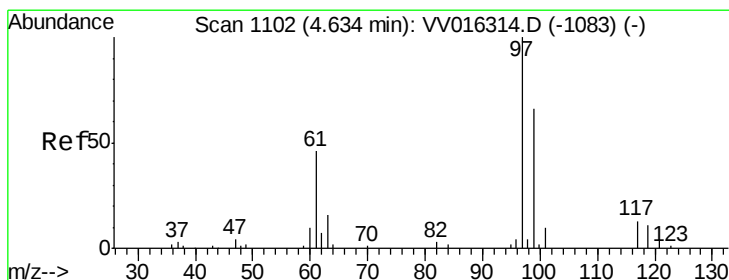
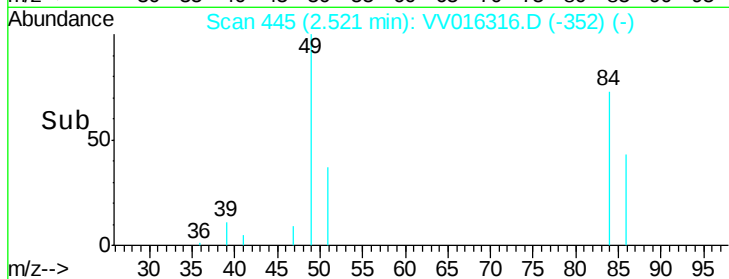
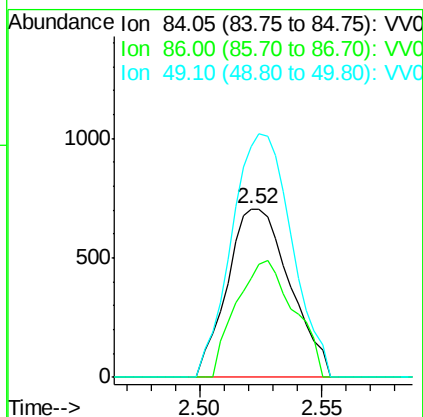
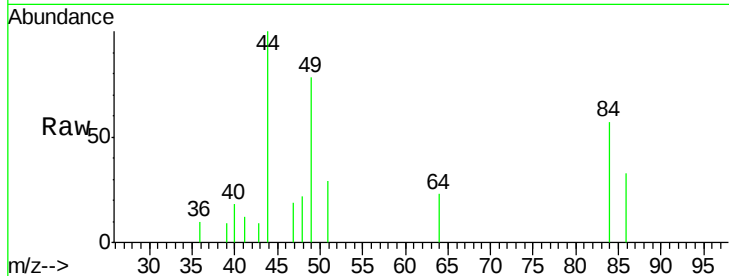




#16
Methylene chloride
Concen: 0.156 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV016316.D
Acq: 29 May 2020 15:32

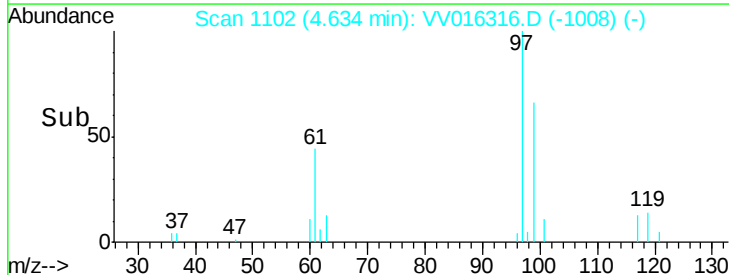
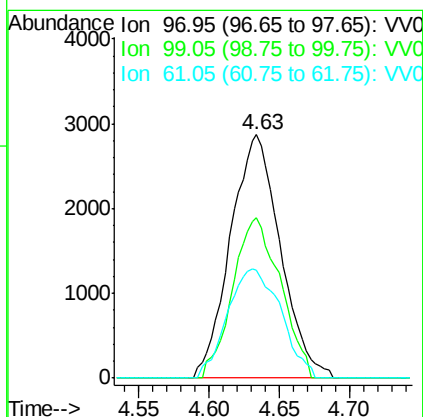
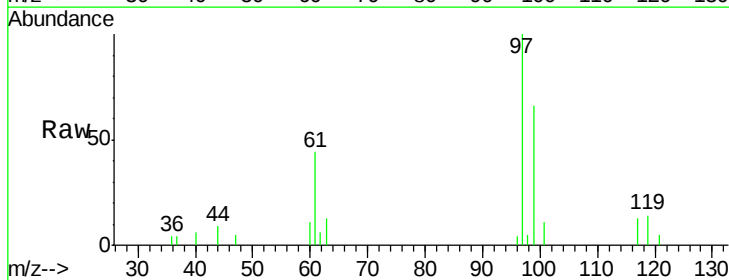
Instrument :
MSVOA_V
ClientSampleId :
ETKX0DL

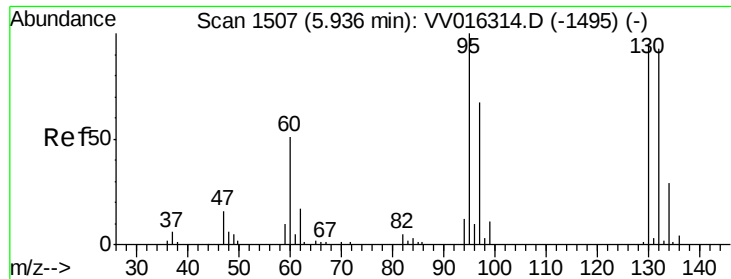
Tot Ion: 84 Resp: 1255
Ion Ratio Lower Upper
84 100
86 58.4 44.9 83.5
49 137.1 96.7 179.7



#29
1,1,1-Trichloroethane
Concen: 0.533 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV016316.D
Acq: 29 May 2020 15:32

Tgt Ion: 97 Resp: 7094
Ion Ratio Lower Upper
97 100
99 63.0 51.2 76.8
61 47.9 38.6 57.8





#34

Trichloroethene

Concen: 2.345 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016316.D

Acq: 29 May 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

ETKX0DL

Tot Ion: 95 Resp: 19697

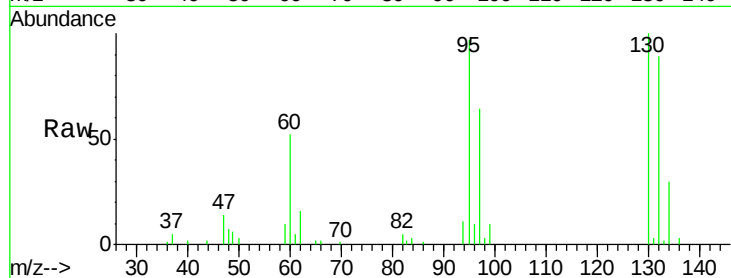
Ion Ratio Lower Upper

95 100

97 66.5 43.6 81.0

132 91.7 63.9 118.7

130 103.2 65.2 121.0

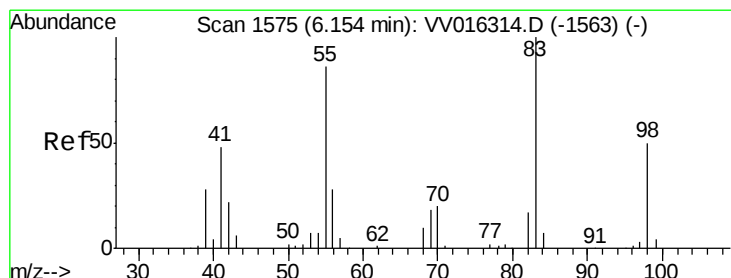
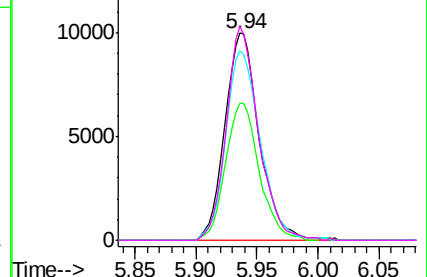
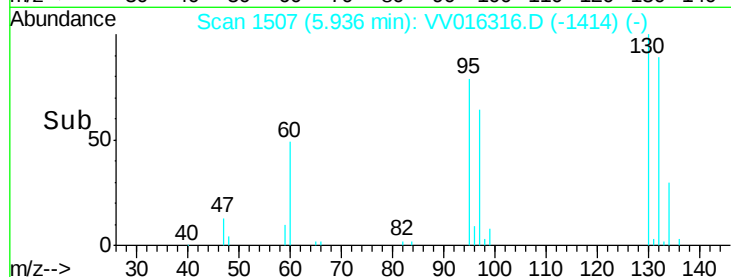


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.709 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV016316.D

Acq: 29 May 2020 15:32

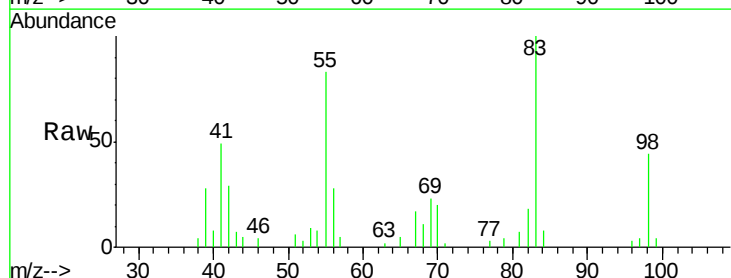
Tgt Ion: 83 Resp: 10040

Ion Ratio Lower Upper

83 100

55 86.7 65.4 98.0

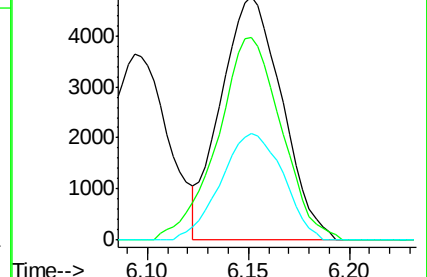
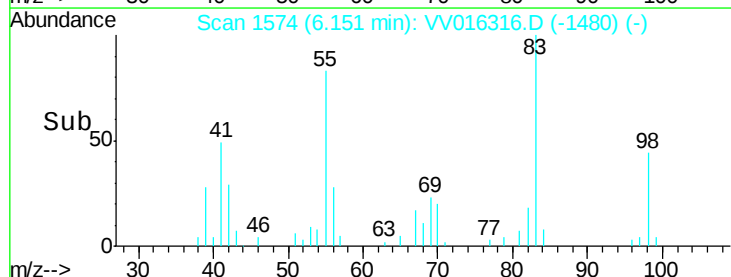
98 44.8 39.3 58.9

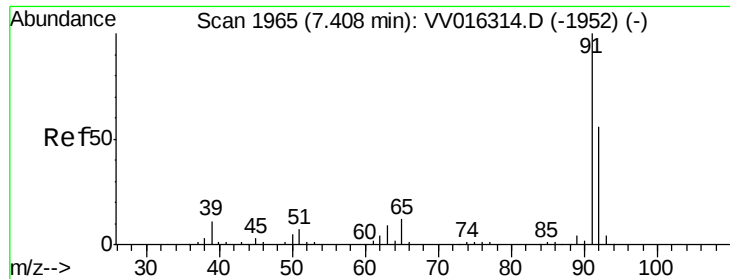


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#42

Toluene

Concen: 0.555 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016316.D

Acq: 29 May 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

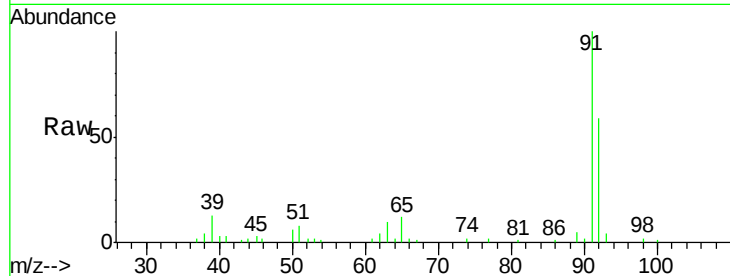
ETKX0DL

Tot Ion: 91 Resp: 19526

Ion Ratio Lower Upper

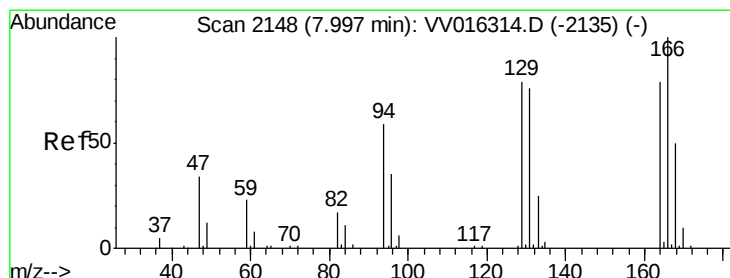
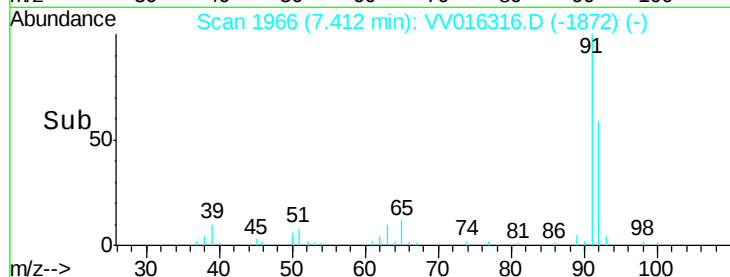
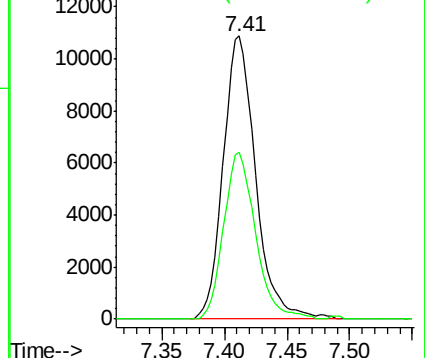
91 100

92 59.0 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#49

Tetrachloroethene

Concen: 2.315 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016316.D

Acq: 29 May 2020 15:32

Tgt Ion: 164 Resp: 13960

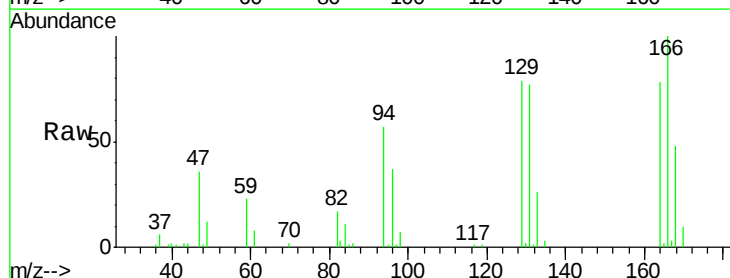
Ion Ratio Lower Upper

164 100

129 100.3 70.7 131.3

131 98.4 66.6 123.8

166 127.6 86.9 161.5

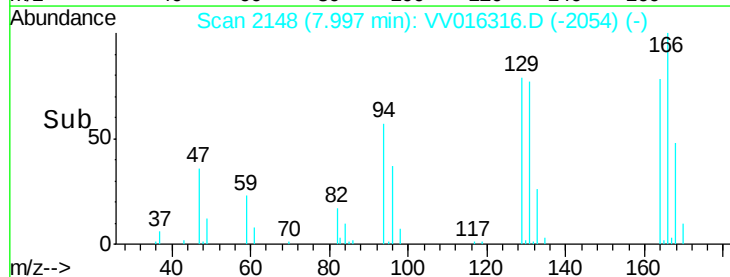
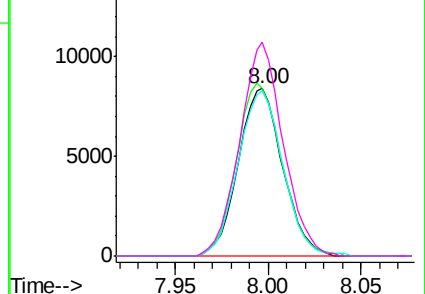


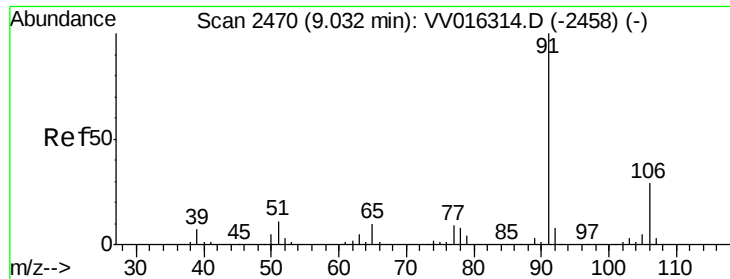
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#54

Ethylbenzene

Concen: 0.666 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016316.D

Acq: 29 May 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

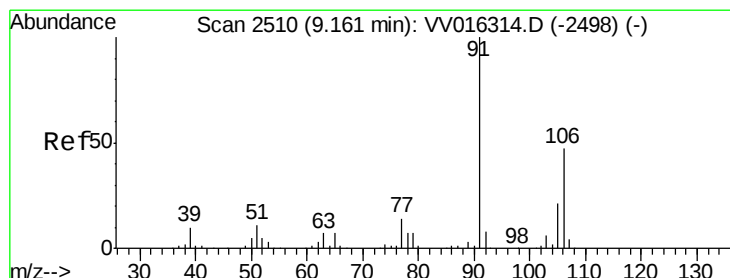
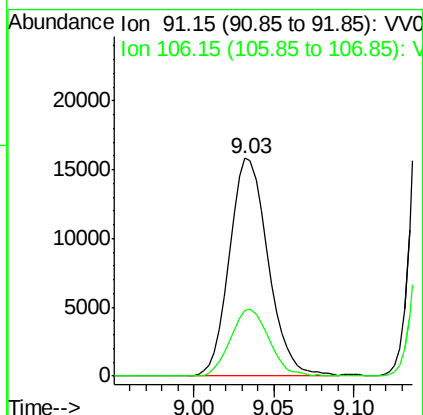
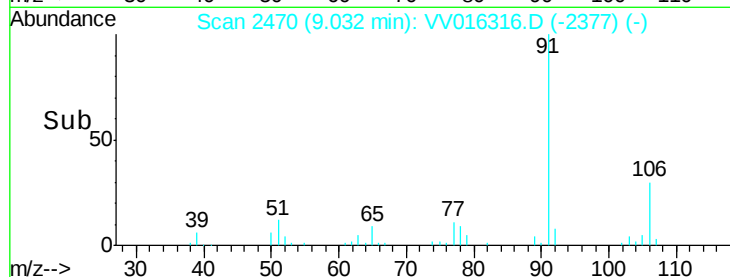
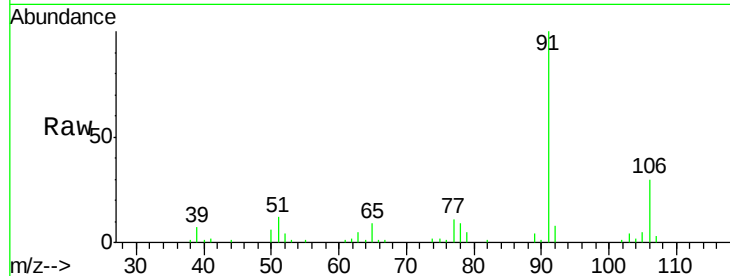
ETKX0DL

Tot Ion: 91 Resp: 26102

Ion Ratio Lower Upper

91 100

106 30.1 21.0 39.0



#55

m,p-xylene

Concen: 5.854 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV016316.D

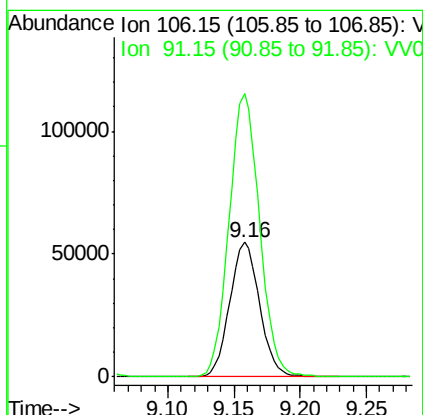
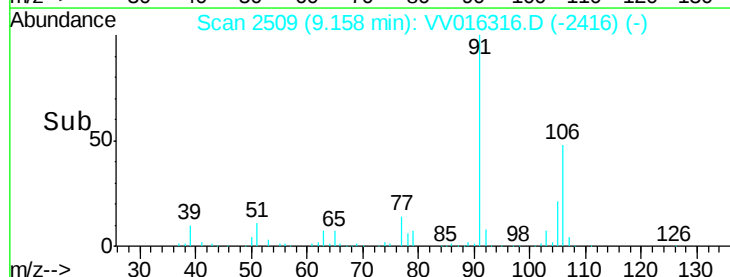
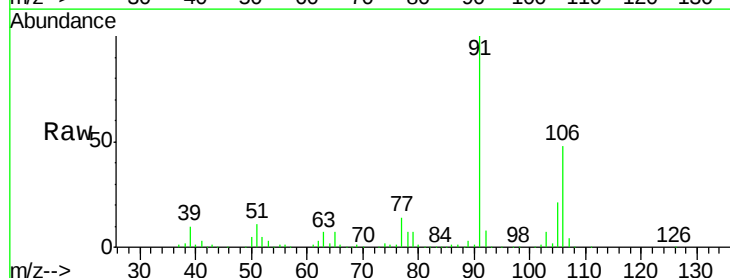
Acq: 29 May 2020 15:32

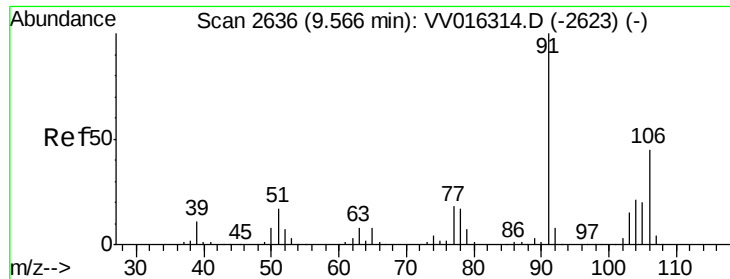
Tgt Ion: 106 Resp: 86024

Ion Ratio Lower Upper

106 100

91 210.3 148.1 275.0

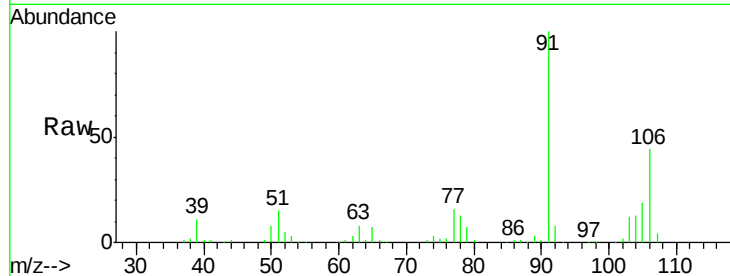




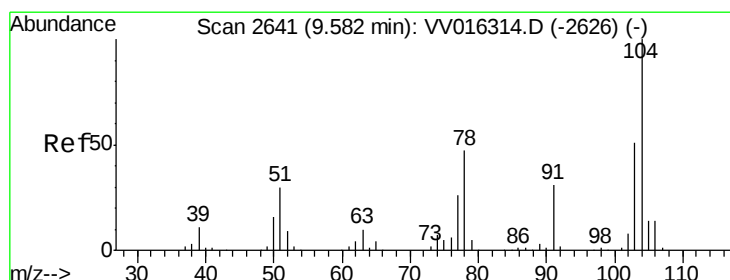
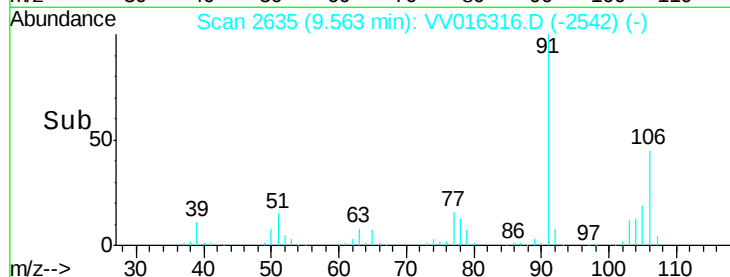
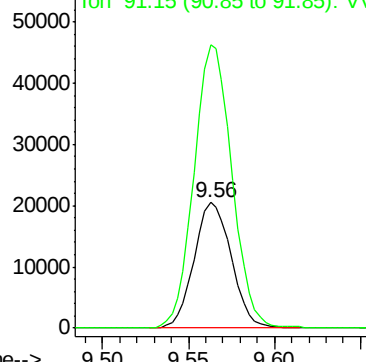
#56
o-xylene
Concen: 2.208 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV016316.D
Acq: 29 May 2020 15:32

Instrument :
MSVOA_V
ClientSampleId :
ETKX0DL

Tot Ion:106 Resp: 30929
Ion Ratio Lower Upper
106 100
91 225.0 158.8 294.8

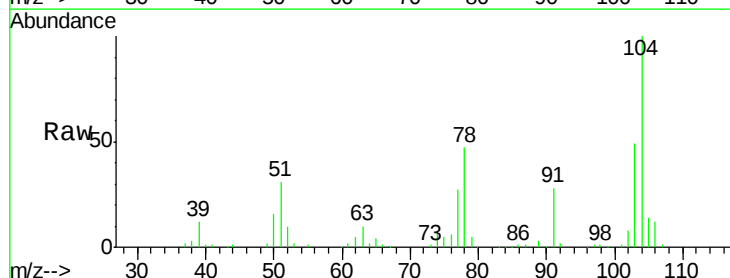


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

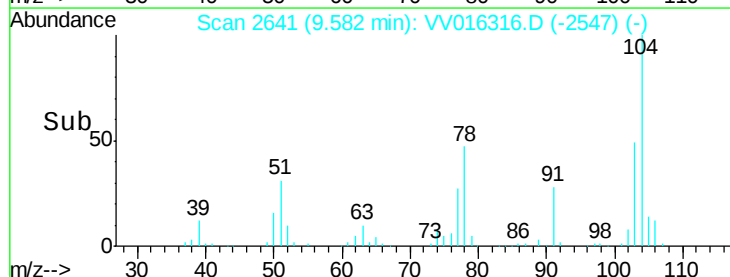
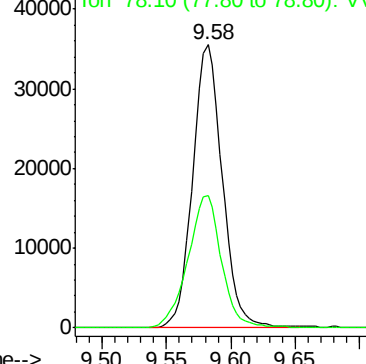


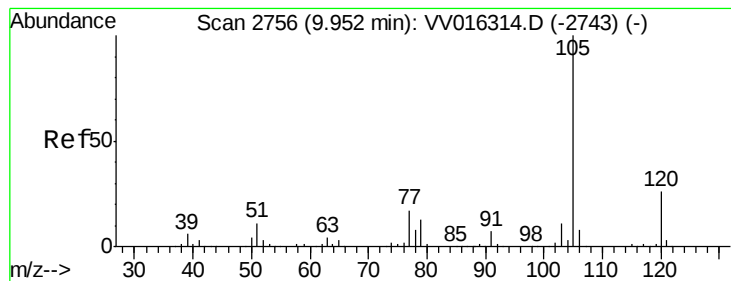
#57
Styrene
Concen: 2.444 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016316.D
Acq: 29 May 2020 15:32

Tgt Ion:104 Resp: 56951
Ion Ratio Lower Upper
104 100
78 46.8 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: 0.117 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016316.D

Acq: 29 May 2020 15:32

Instrument :

MSVOA_V

ClientSampleId :

ETKX0DL

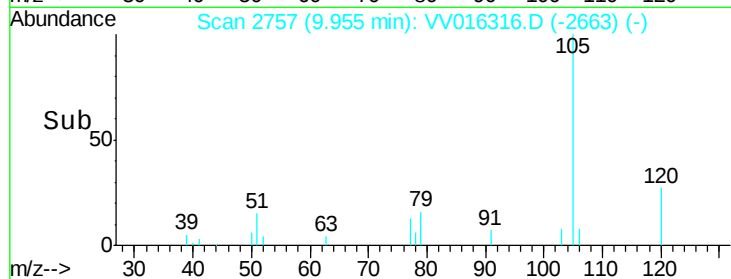
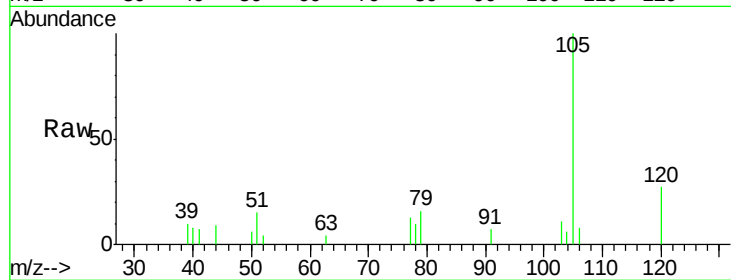
Tot Ion:105 Resp: 4482

Ion Ratio Lower Upper

105 100

120 22.0 20.9 31.3

77 10.8 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

