

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
 Data File : VV016141.D
 Acq On : 20 May 2020 18:57
 Operator : SY/MD
 Sample : L2725-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B23

Quant Time: May 21 05:28:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	146274	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	142003	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	73487	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	34246	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.58	69	36862	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.12	63	60274	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	3.95	46	126962	56.09	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.18%
24) Chloroform-d	4.38	84	90691	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.06	65	49629	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.08	84	172700	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.10	67	57184	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.34	98	154654	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
45) trans-1,3-Dichloropropene-	7.65	79	16399	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
48) 2-Hexanone-d5	8.11	63	115067	64.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.42%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	41047	5.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	63779	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

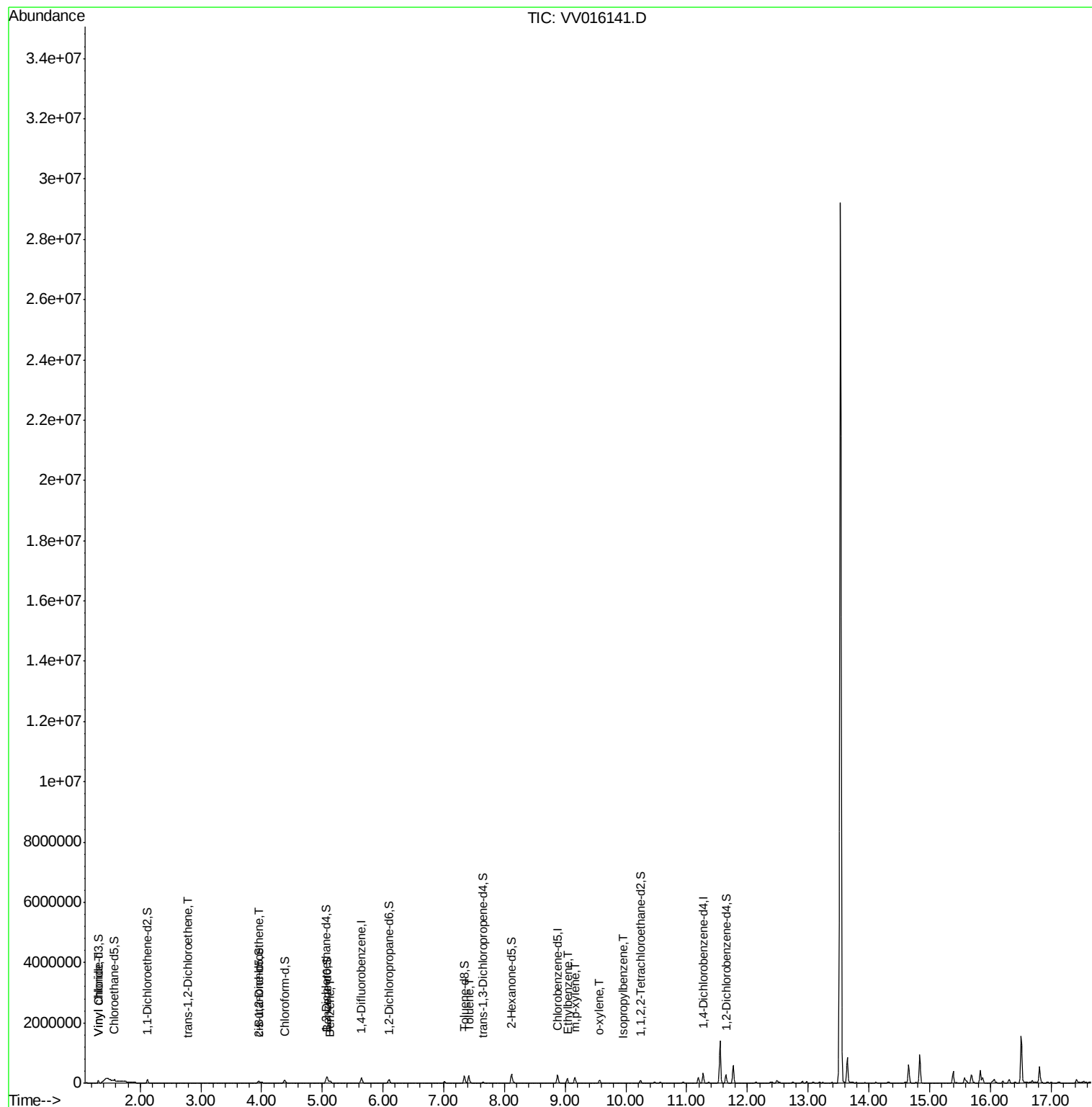
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	10100	0.931	ug/L	# 80
18) trans-1,2-Dichloroethene	2.78	96	2485	0.279	ug/L	86
22) cis-1,2-Dichloroethene	3.95	96	11163	1.199	ug/L	97
33) Benzene	5.13	78	54287	1.519	ug/L	100
42) Toluene	7.41	91	175292	4.629	ug/L	98
54) Ethylbenzene	9.04	91	97584	2.266	ug/L	99
55) m,p-xylene	9.16	106	53053	3.327	ug/L	96
56) o-xylene	9.57	106	26276	1.724	ug/L	95
58) Isopropylbenzene	9.96	105	3126	0.075	ug/L	98

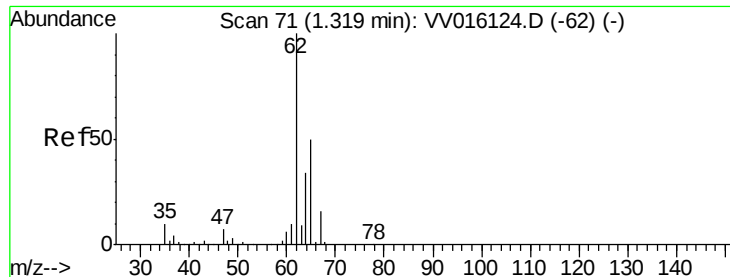
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.931 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV016141.D

Acq: 20 May 2020 18:57

Instrument :

MSVOA_V

ClientSampled :

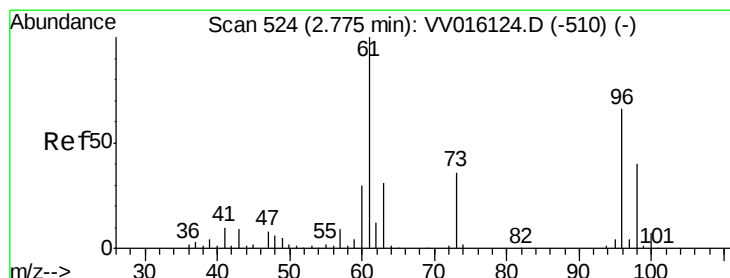
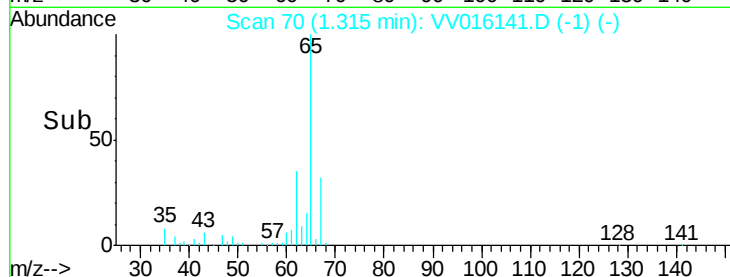
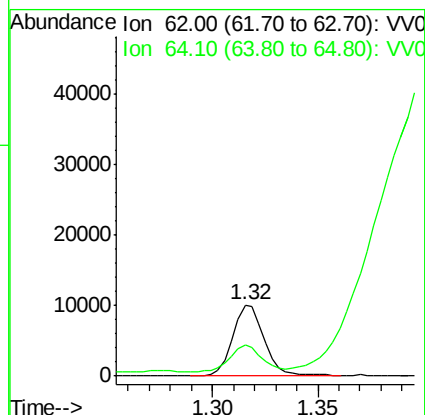
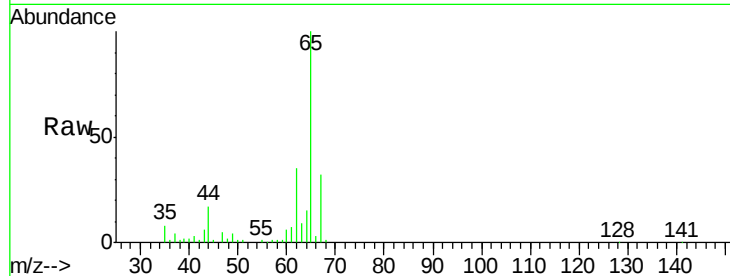
F9B23

Tot Ion: 62 Resp: 10100

Ion Ratio Lower Upper

62 100

64 43.3 22.4 41.6#



#18

trans-1,2-Dichloroethene

Concen: 0.279 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV016141.D

Acq: 20 May 2020 18:57

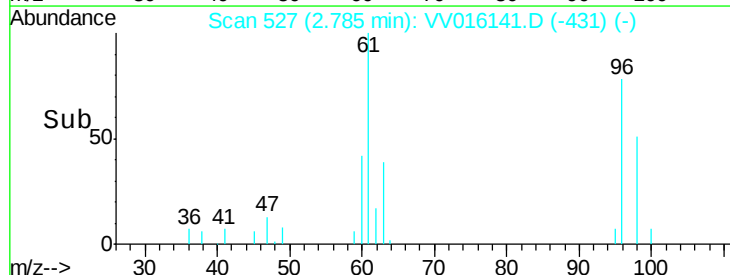
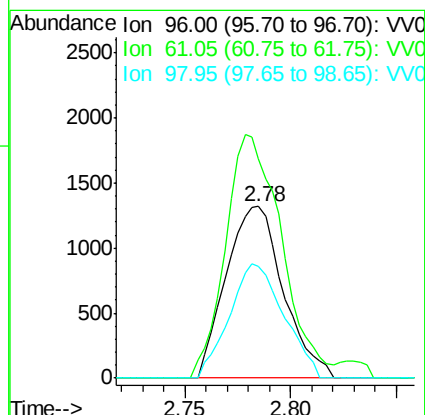
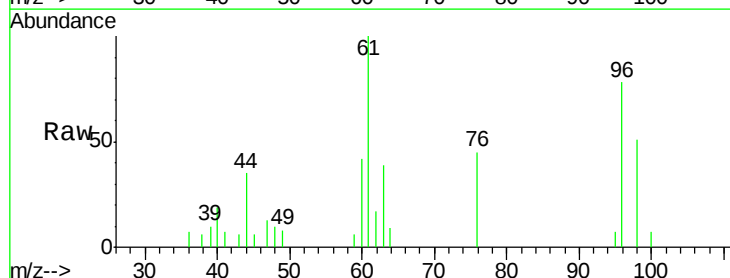
Tgt Ion: 96 Resp: 2485

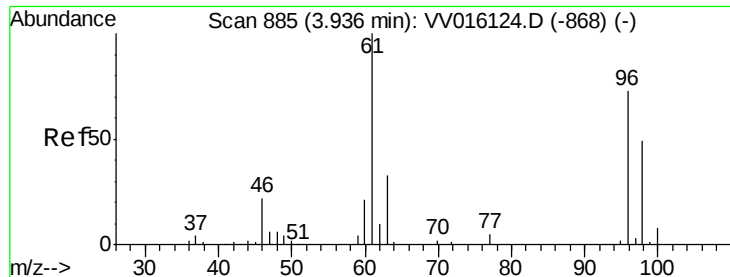
Ion Ratio Lower Upper

96 100

61 127.5 105.3 195.5

98 64.9 44.0 81.6



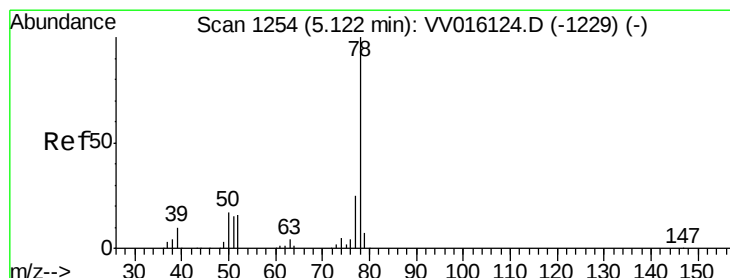
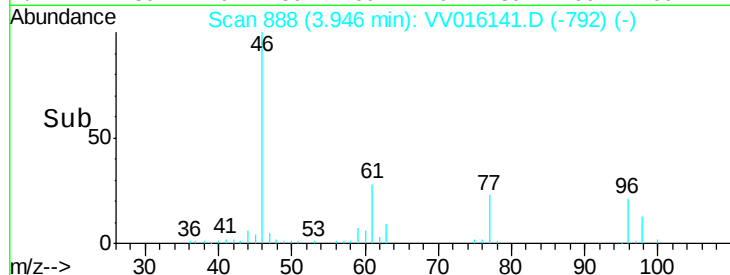
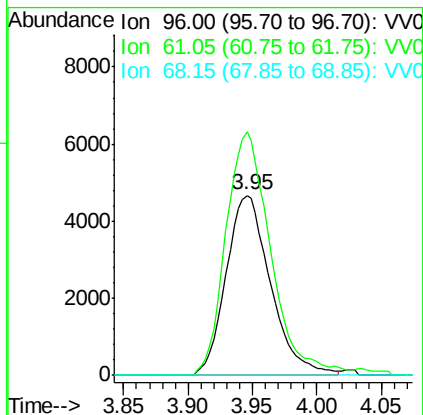
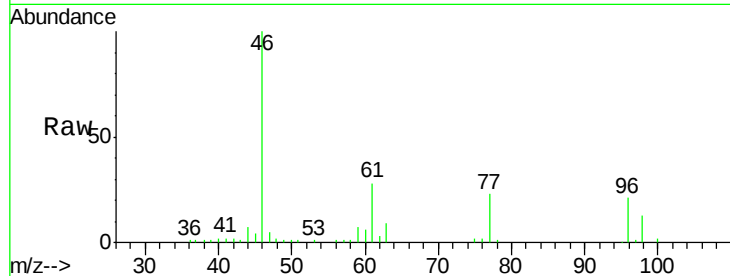


#22

cis-1,2-Dichloroethene
Concen: 1.199 ug/L
RT: 3.95 min Scan# 888
Delta R.T. 0.01 min
Lab File: VV016141.D
Acq: 20 May 2020 18:57

Instrument :
MSVOA_V
ClientSampleId :
F9B23

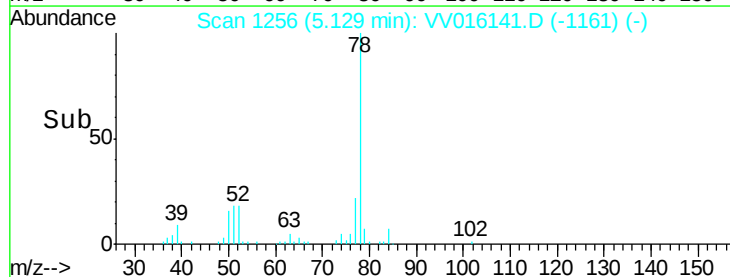
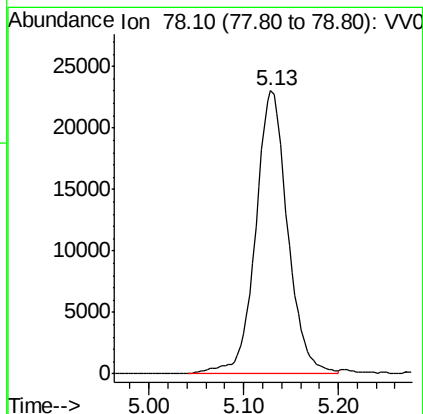
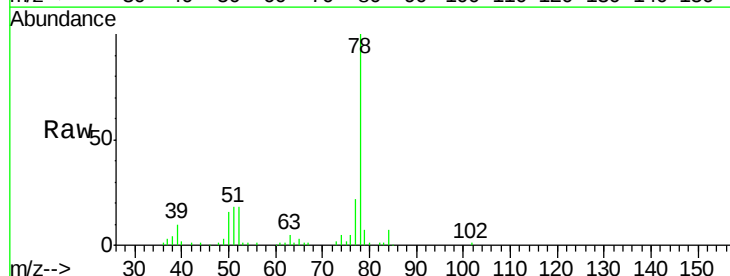
Tot Ion: 96 Resp: 11163
Ion Ratio Lower Upper
96 100
61 135.3 97.2 180.6
68 0.0 0.0 0.0

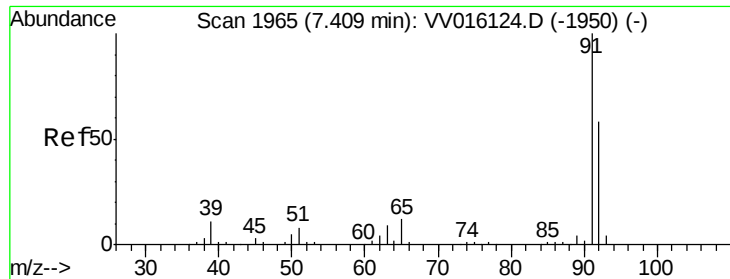


#33

Benzene
Concen: 1.519 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV016141.D
Acq: 20 May 2020 18:57

Tgt Ion: 78 Resp: 54287





#42

Toluene

Concen: 4.629 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016141.D

Acq: 20 May 2020 18:57

Instrument :

MSVOA_V

ClientSampleId :

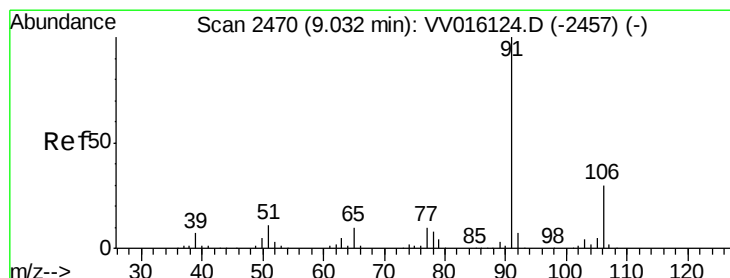
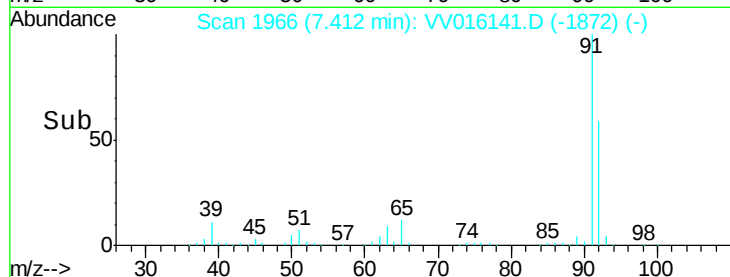
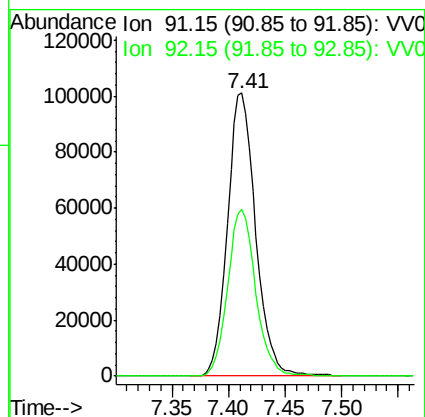
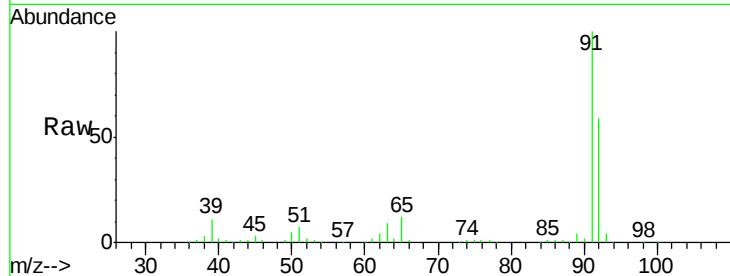
F9B23

Tot Ion: 91 Resp: 175292

Ion Ratio Lower Upper

91 100

92 58.9 40.1 74.5



#54

Ethylbenzene

Concen: 2.266 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016141.D

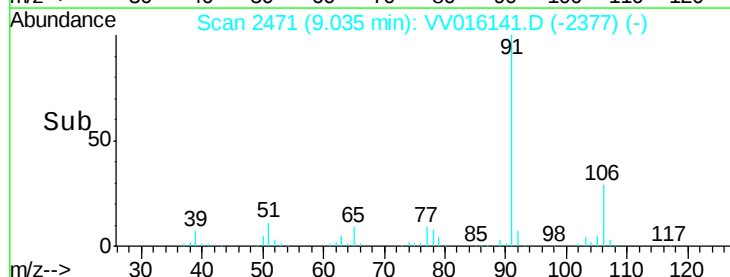
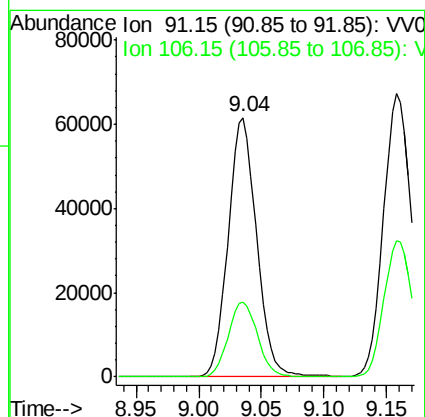
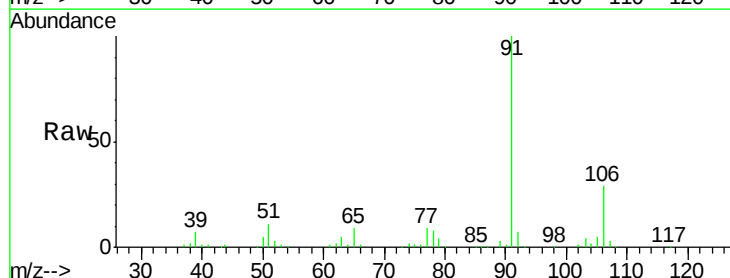
Acq: 20 May 2020 18:57

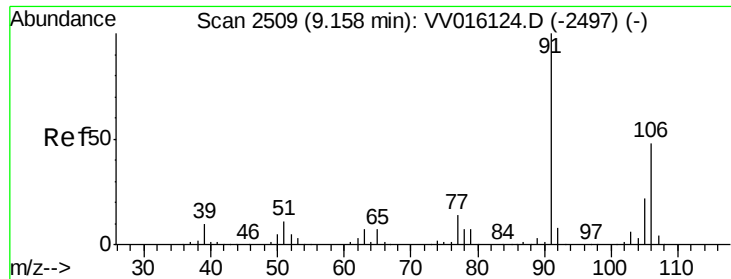
Tgt Ion: 91 Resp: 97584

Ion Ratio Lower Upper

91 100

106 28.9 20.6 38.4





#55

m,p-xylene

Concen: 3.327 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016141.D

Acq: 20 May 2020 18:57

Instrument :

MSVOA_V

ClientSampleId :

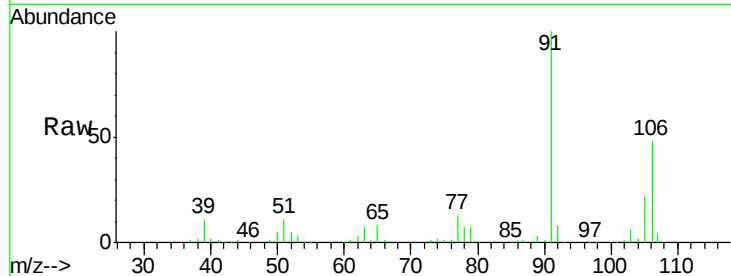
F9B23

Tot Ion:106 Resp: 53053

Ion Ratio Lower Upper

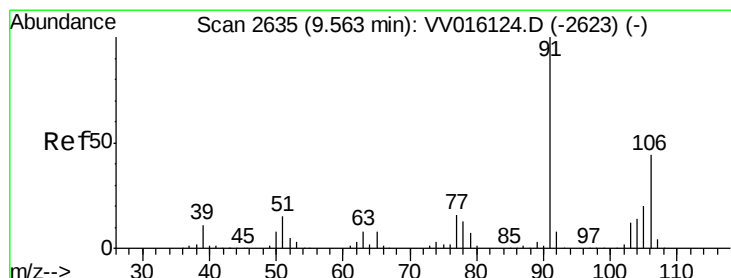
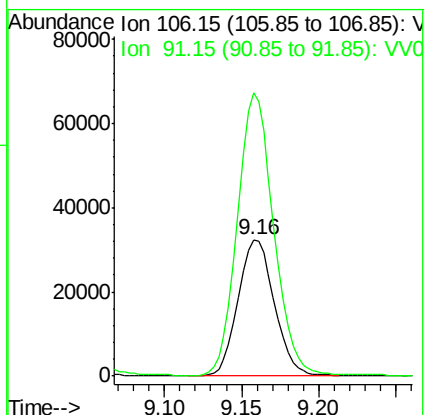
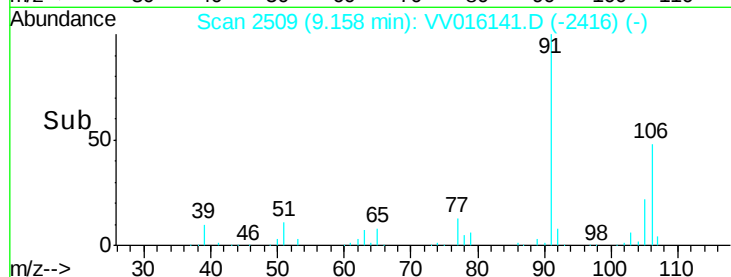
106 100

91 207.6 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 1.724 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016141.D

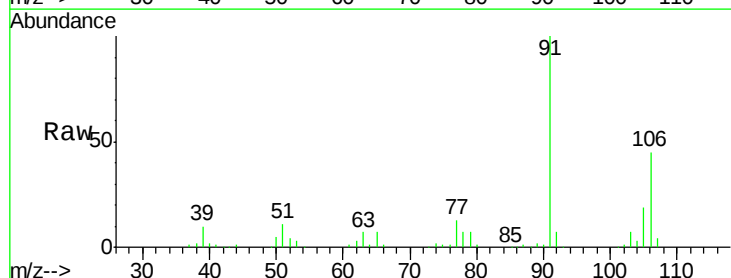
Acq: 20 May 2020 18:57

Tgt Ion:106 Resp: 26276

Ion Ratio Lower Upper

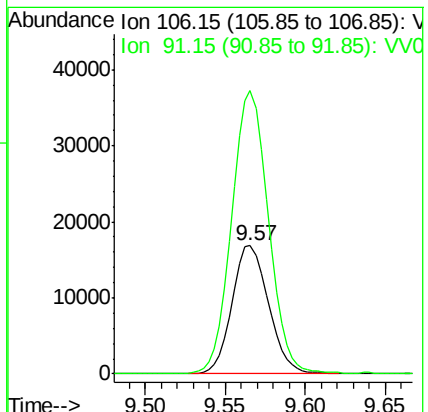
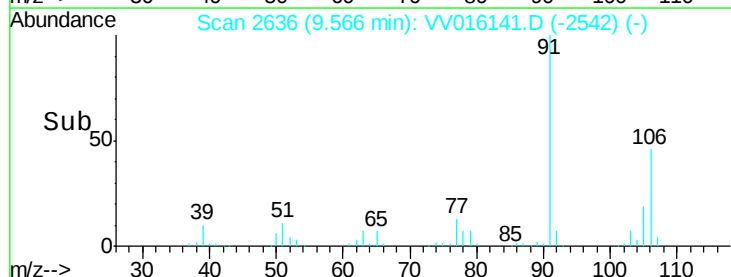
106 100

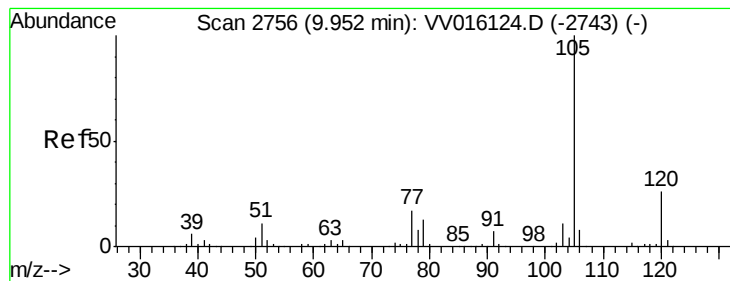
91 220.4 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#58

Isopropylbenzene

Concen: 0.075 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016141.D

Acq: 20 May 2020 18:57

Instrument :

MSVOA_V

ClientSampleId :

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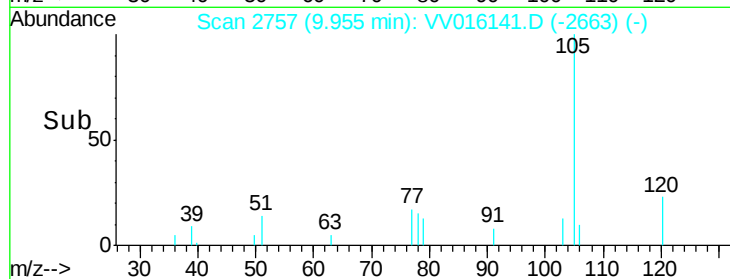
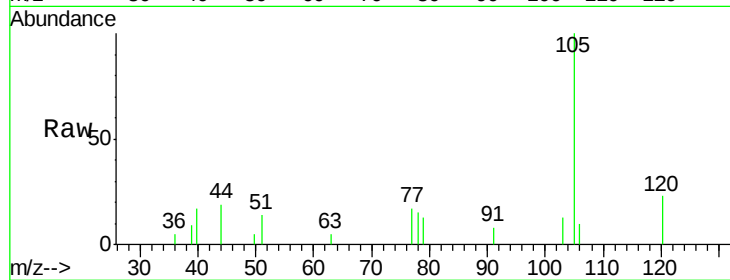
Tot Ion:105 Resp: 3126

Ion Ratio Lower Upper

105 100

120 25.1 20.8 31.2

77 18.3 14.1 21.1



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

