

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073120\
 Data File : VV017785.D
 Acq On : 31 Jul 2020 19:35
 Operator : SY/MD
 Sample : L3520-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 D0AC0

Quant Time: Aug 01 04:52:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 01 04:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	141543	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	135232	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	72569	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28104	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.58	69	25883	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.12	63	46351	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	3.92	46	66851	41.35	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.70%
24) Chloroform-d	4.37	84	68960	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
26) 1,2-Dichloroethane-d4	5.06	65	41485	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.07	84	122947	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.09	67	33394	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.60%
41) Toluene-d8	7.34	98	106113	3.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.20%
45) trans-1,3-Dichloropropene-	7.65	79	14069	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
48) 2-Hexanone-d5	8.11	63	42174	36.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.48%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	23105	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	51559	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

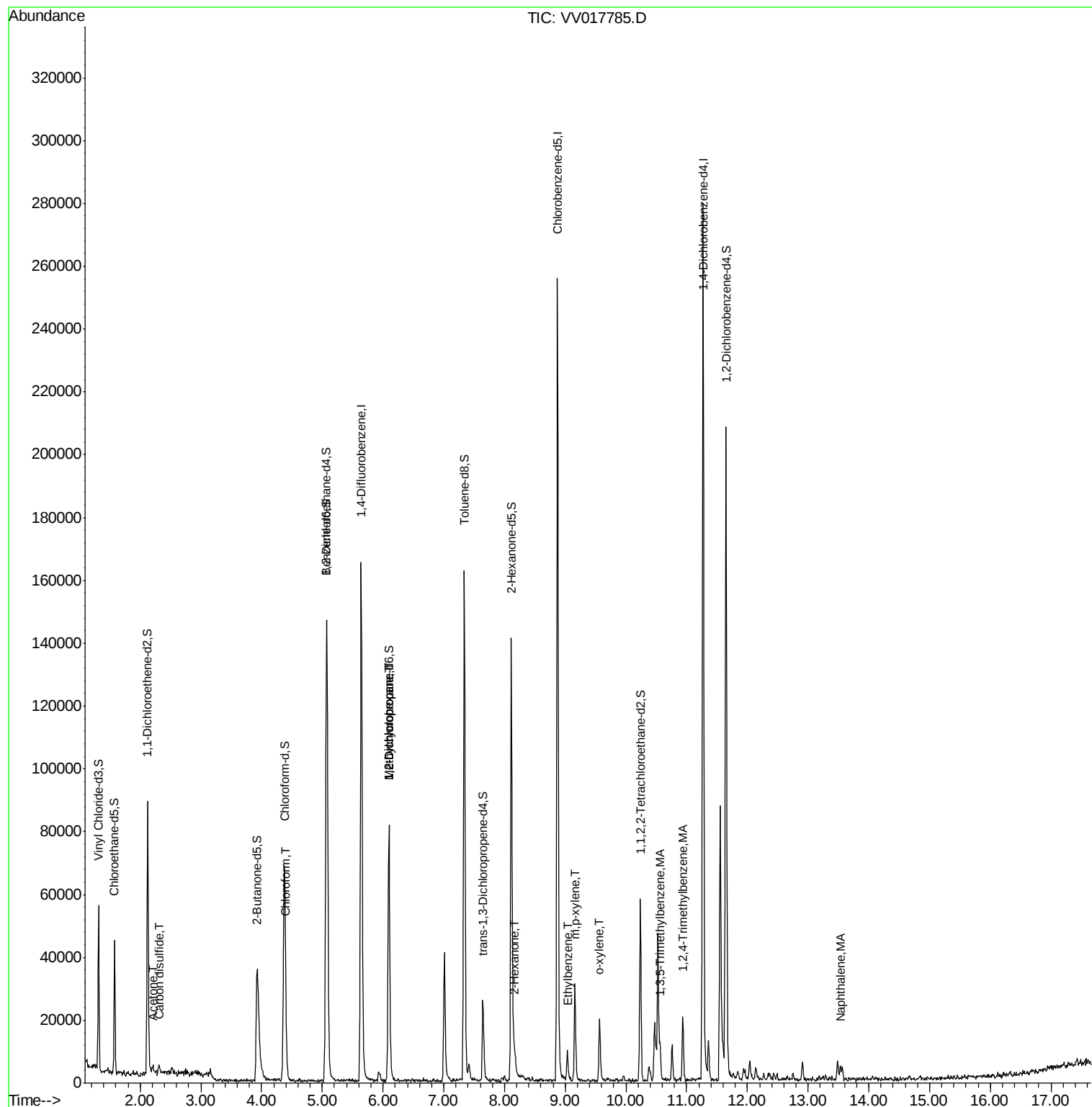
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.21	43	3088	2.440	ug/L	96
14) Carbon disulfide	2.32	76	3477	0.150	ug/L #	94
25) Chloroform	4.41	83	4052	0.207	ug/L	97
35) Methylcyclohexane	6.09	83	10286	0.636	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	4905	0.545	ug/L #	86
43) 1,3,5-Trimethylbenzene	10.56	105	5447	0.140	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	10523	0.264	ug/L	96
50) 2-Hexanone	8.16	43	3838	1.100	ug/L #	69
54) Ethylbenzene	9.04	91	5966	0.128	ug/L	92
55) m,p-xylene	9.16	106	8489	0.482	ug/L	95
56) o-xylene	9.57	106	4796	0.281	ug/L	90
70) Naphthalene	13.53	128	3468	0.157	ug/L #	95

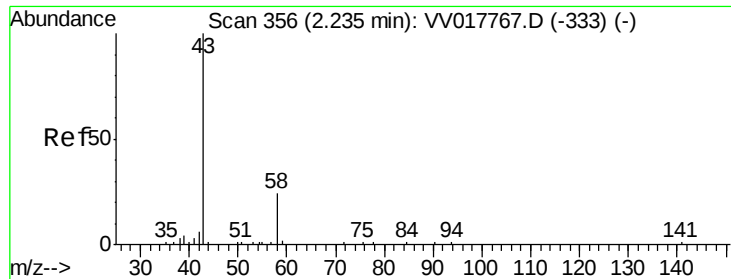
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.440 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.03 min

Lab File: VV017785.D

Acq: 31 Jul 2020 19:35

Instrument :

MSVOA_V

ClientSampled :

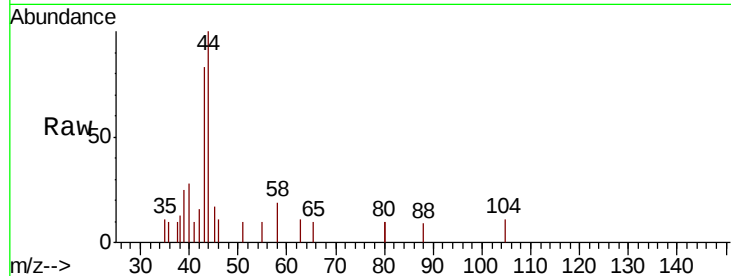
D0AC0

Tot Ion: 43 Resp: 3088

Ion Ratio Lower Upper

43 100

58 10.8 0.0 18.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

1000

800

600

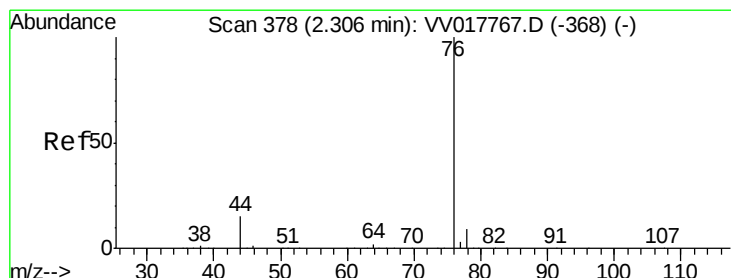
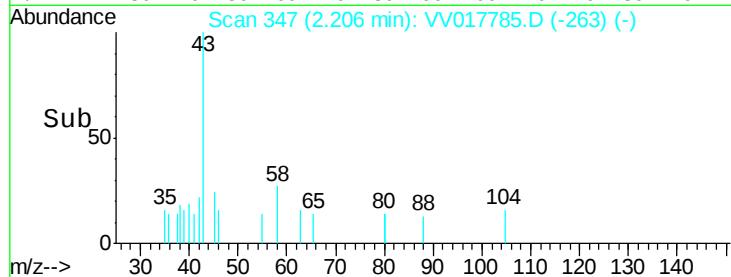
400

200

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 0.150 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV017785.D

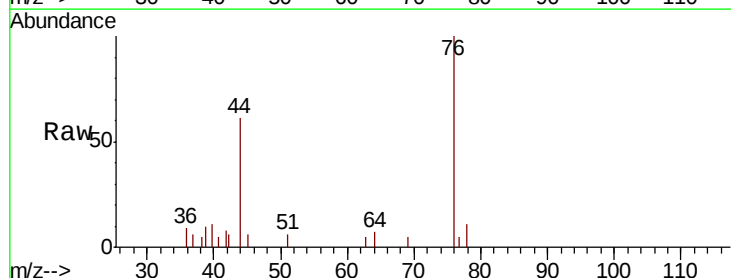
Acq: 31 Jul 2020 19:35

Tgt Ion: 76 Resp: 3477

Ion Ratio Lower Upper

76 100

78 10.5 6.6 10.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

2500

2000

1500

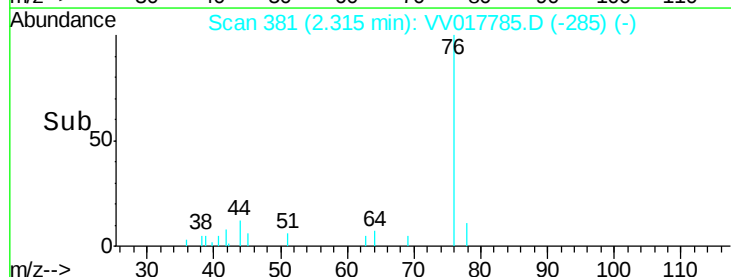
1000

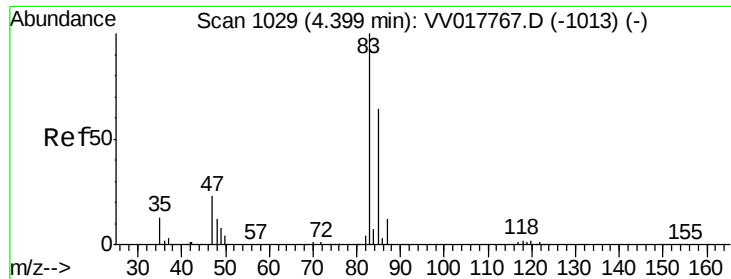
500

0

Time-->

2.25 2.30 2.35

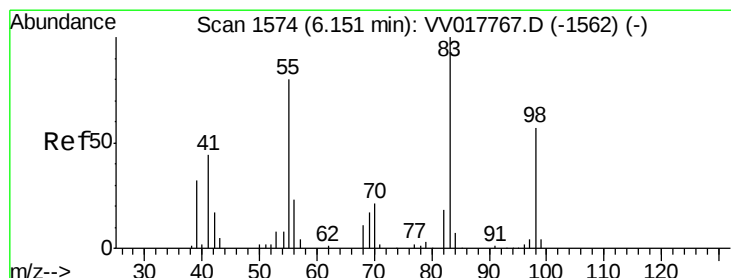
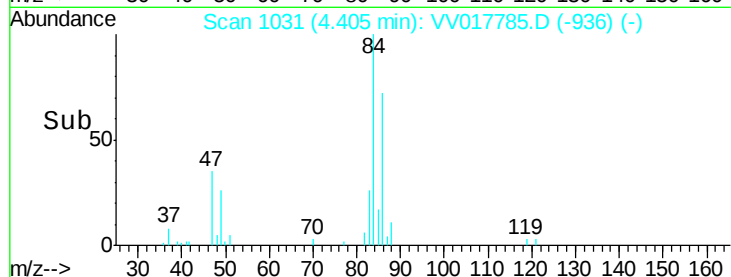
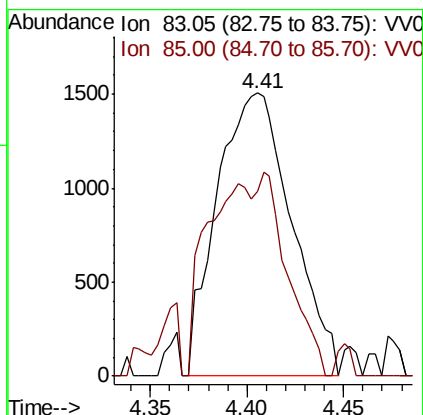
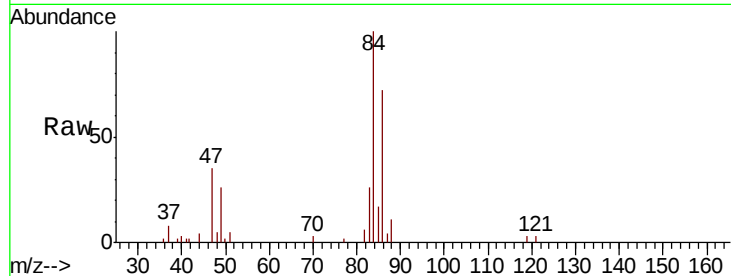




#25
Chloroform
Concen: 0.207 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV017785.D
Acq: 31 Jul 2020 19:35

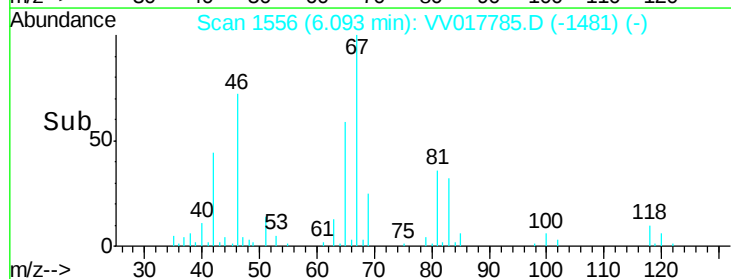
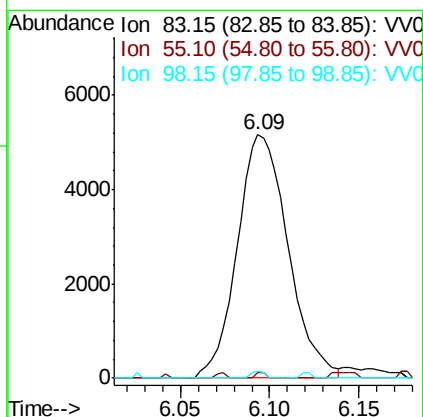
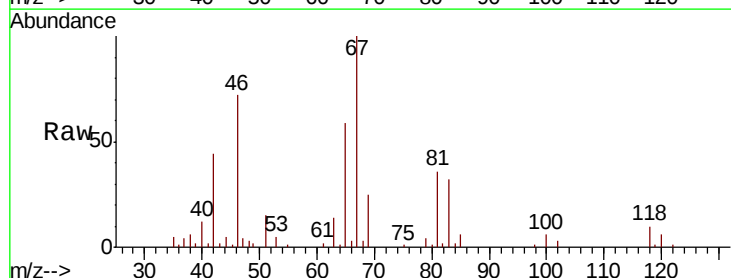
Instrument :
MSVOA_V
ClientSampleId :
D0AC0

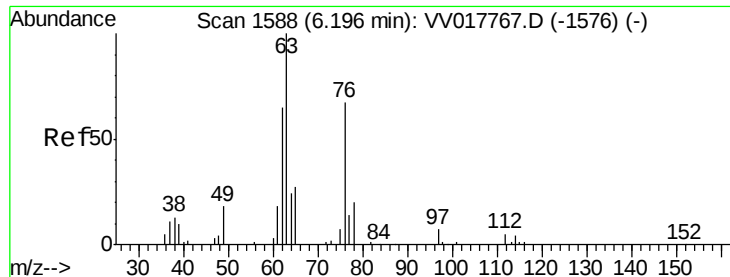
Tot Ion: 83 Resp: 4052
Ion Ratio Lower Upper
83 100
85 65.3 47.3 87.9



#35
Methylcyclohexane
Concen: 0.636 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017785.D
Acq: 31 Jul 2020 19:35

Tgt Ion: 83 Resp: 10286
Ion Ratio Lower Upper
83 100
55 0.4 61.8 92.8#
98 0.7 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.545 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017785.D

Acq: 31 Jul 2020 19:35

Instrument :

MSVOA_V

ClientSampleId :

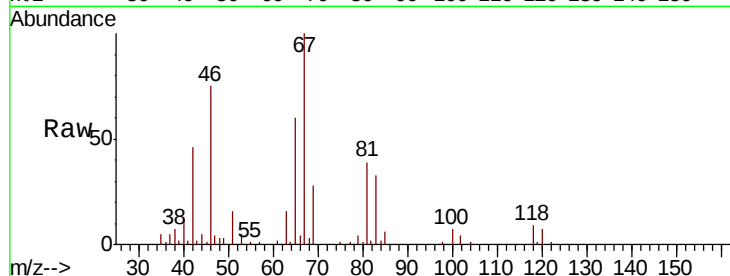
D0AC0

Tot Ion: 63 Resp: 4905

Ion Ratio Lower Upper

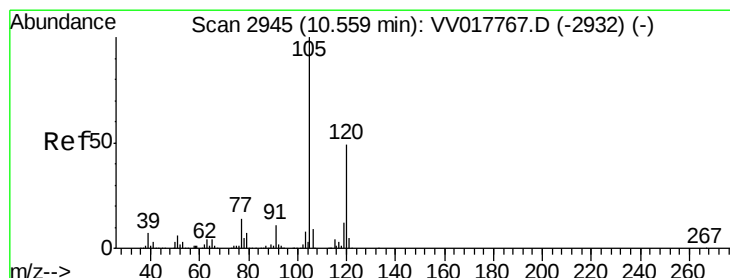
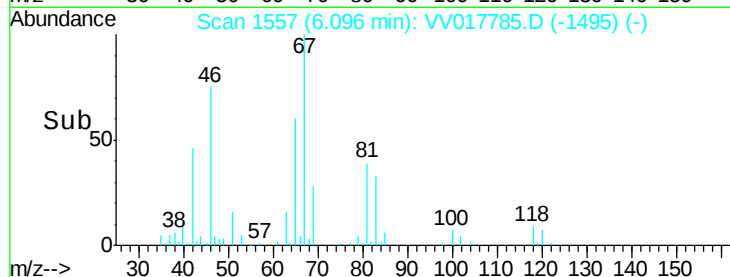
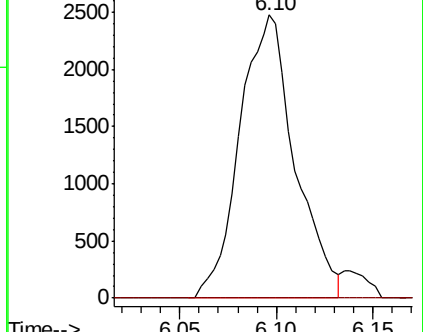
63 100

112 0.9 4.5 6.7#



Abundance Ion 63.10 (62.80 to 63.80): VV017767.D (-1576) (-)

Ion 112.10 (111.80 to 112.80): VV017767.D (-1576) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.140 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV017785.D

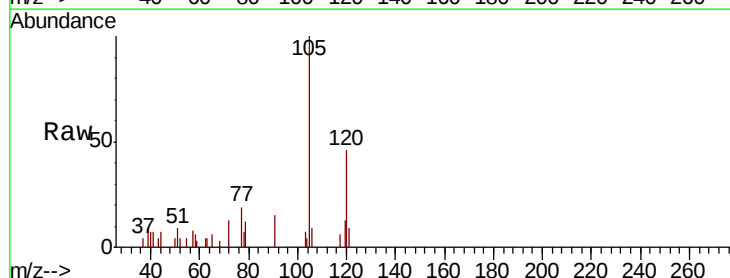
Acq: 31 Jul 2020 19:35

Tgt Ion: 105 Resp: 5447

Ion Ratio Lower Upper

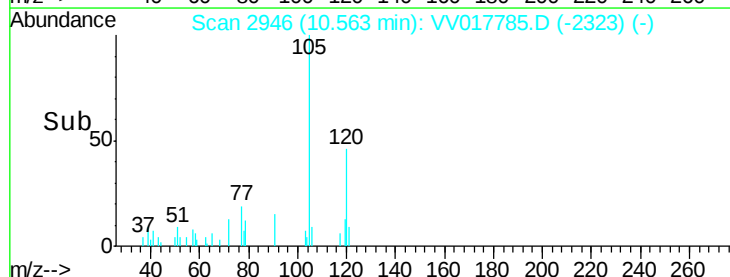
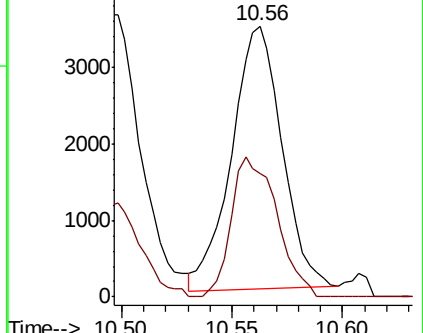
105 100

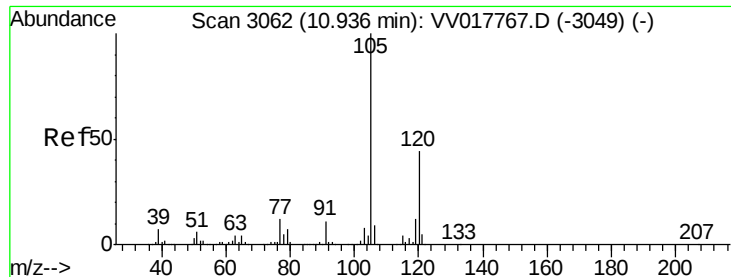
120 48.3 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): VV017767.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017767.D (-2932) (-)

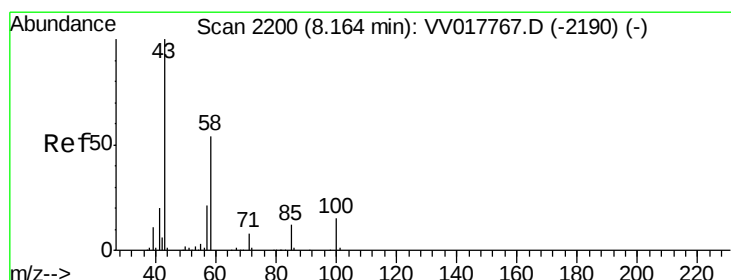
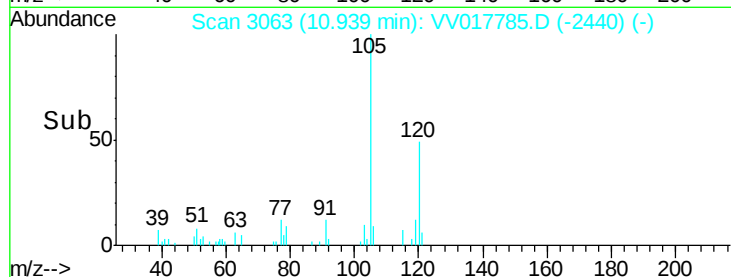
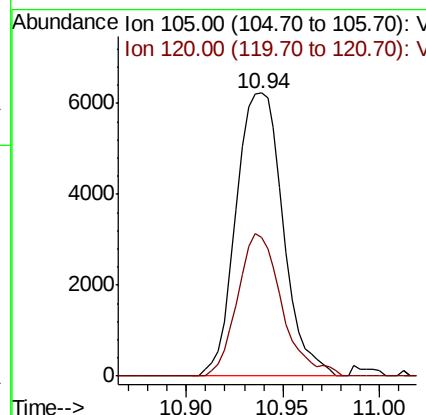
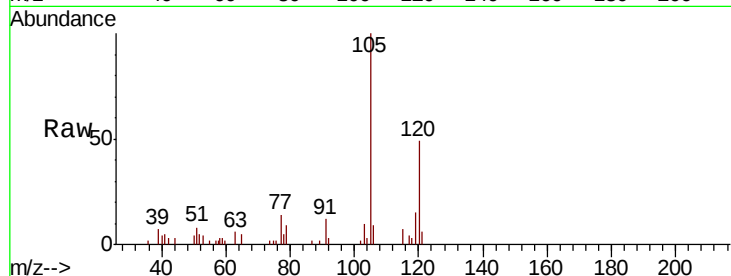




#44
 1,2,4-Trimethylbenzene
 Concen: 0.264 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV017785.D
 Acq: 31 Jul 2020 19:35

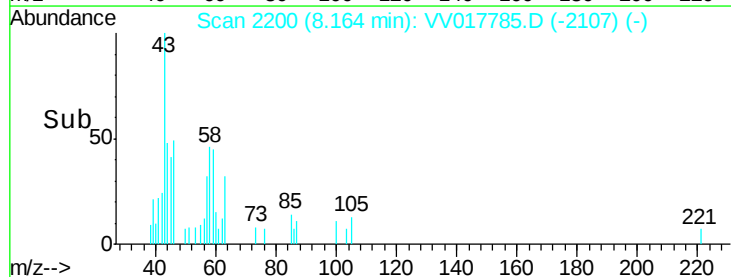
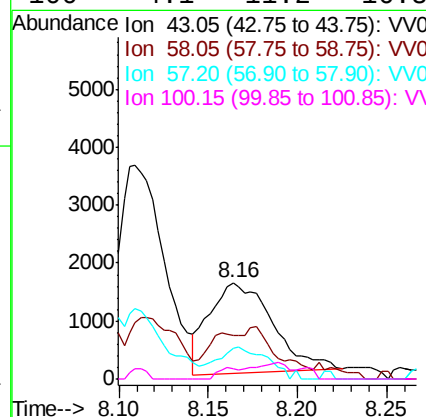
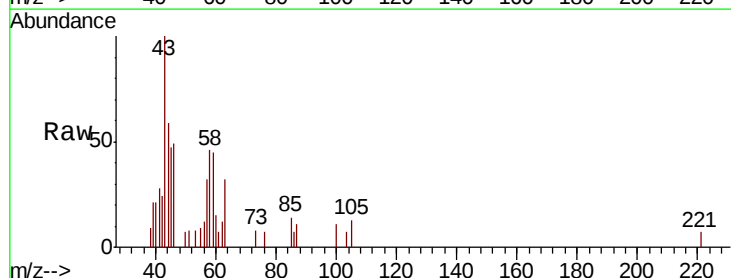
Instrument :
 MSVOA_V
 ClientSampleId :
 D0AC0

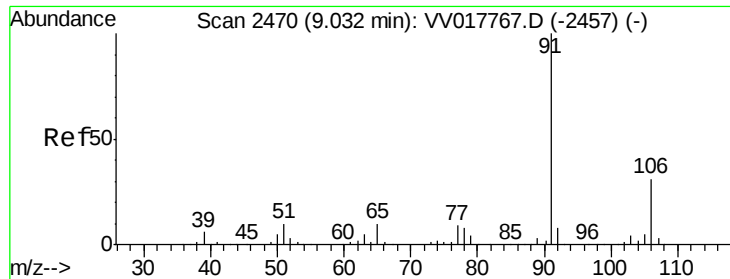
Tot Ion:105 Resp: 10523
 Ion Ratio Lower Upper
 105 100
 120 47.3 35.9 53.9



#50
 2-Hexanone
 Concen: 1.100 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VV017785.D
 Acq: 31 Jul 2020 19:35

Tgt Ion: 43 Resp: 3838
 Ion Ratio Lower Upper
 43 100
 58 26.2 41.6 62.4#
 57 28.8 15.4 23.0#
 100 4.1 11.2 16.8#





#54

Ethylbenzene

Concen: 0.128 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV017785.D

Acq: 31 Jul 2020 19:35

Instrument :

MSVOA_V

ClientSampleId :

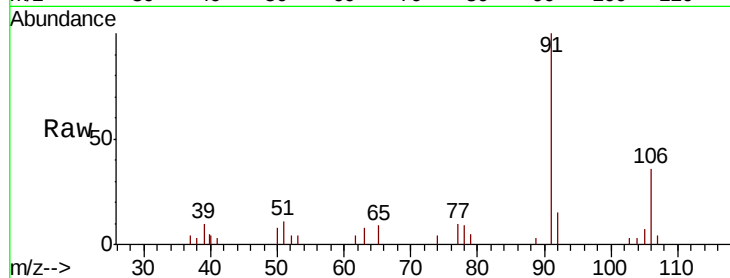
D0AC0

Tot Ion: 91 Resp: 5966

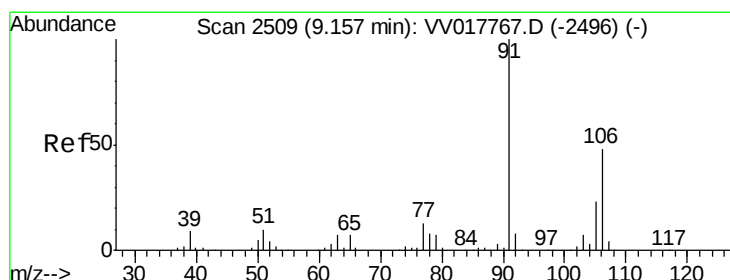
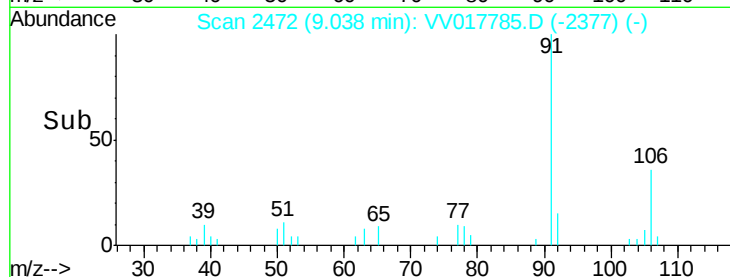
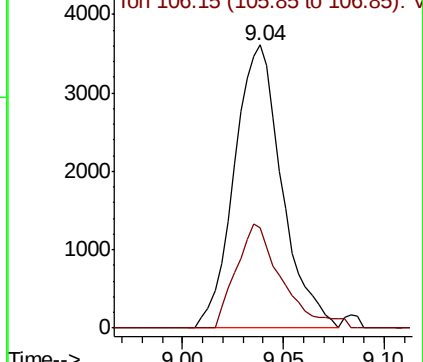
Ion Ratio Lower Upper

91 100

106 35.5 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV017767.D (-2457) (-)



#55

m,p-xylene

Concen: 0.482 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017785.D

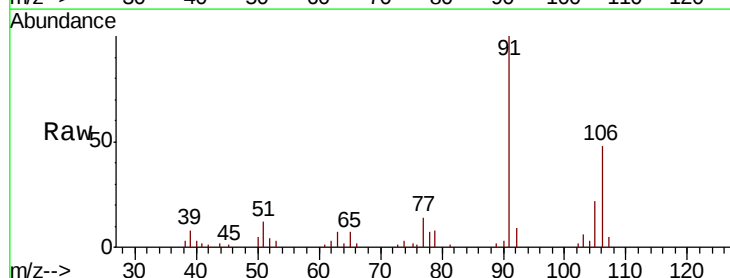
Acq: 31 Jul 2020 19:35

Tgt Ion: 106 Resp: 8489

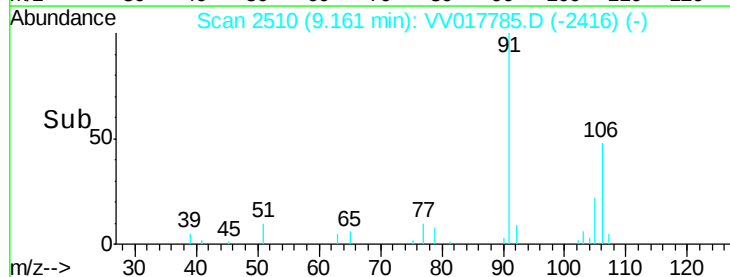
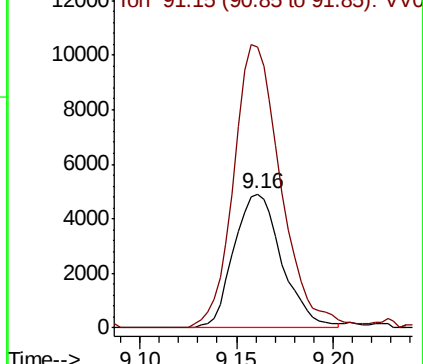
Ion Ratio Lower Upper

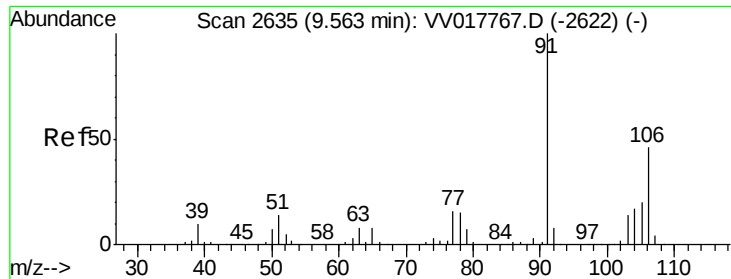
106 100

91 209.6 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): VV017767.D (-2496) (-)

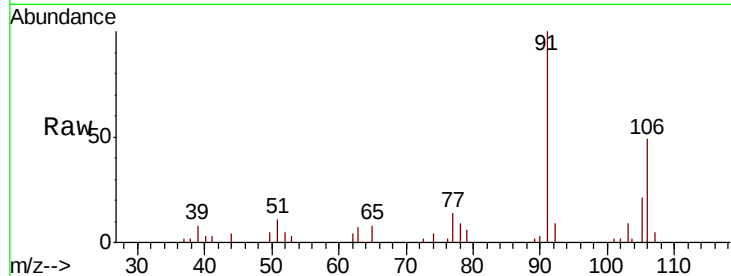




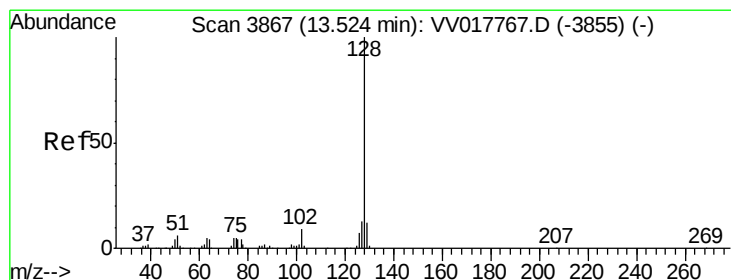
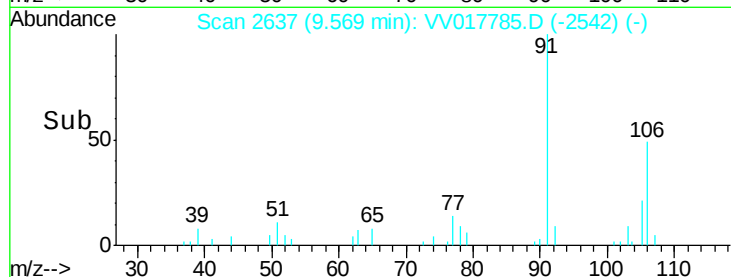
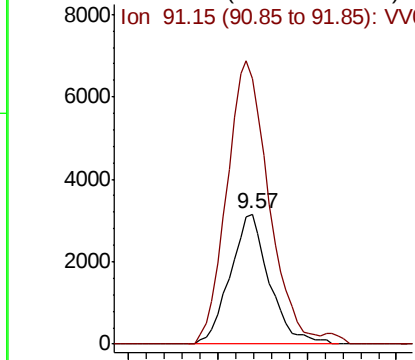
#56
o-xylene
Concen: 0.281 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VV017785.D
Acq: 31 Jul 2020 19:35

Instrument :
MSVOA_V
ClientSampleId :
D0AC0

Tot Ion:106 Resp: 4796
Ion Ratio Lower Upper
106 100
91 204.3 153.9 285.7

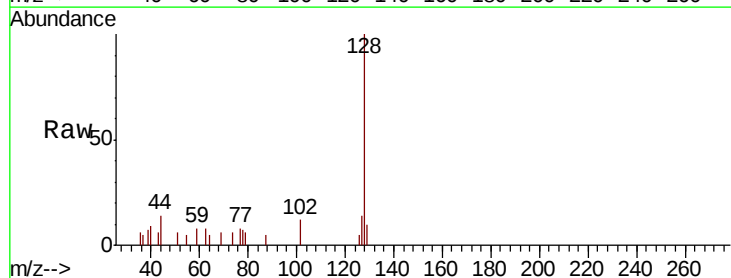


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#70
Naphthalene
Concen: 0.157 ug/L
RT: 13.53 min Scan# 3870
Delta R.T. 0.01 min
Lab File: VV017785.D
Acq: 31 Jul 2020 19:35

Tgt Ion:128 Resp: 3468
Ion Ratio Lower Upper
128 100
129 14.4 9.1 13.7#
127 15.2 11.0 16.6



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

