

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072420\
 Data File : VV017644.D
 Acq On : 24 Jul 2020 13:15
 Operator : SY/MD
 Sample : L3395-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 25 00:08:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jul 25 00:05:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	181527	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	178559	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	89165	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	38477	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.58	69	31842	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.12	63	66113	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	3.95	46	98053	47.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.58%
24) Chloroform-d	4.37	84	99486	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.05	65	54990	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.07	84	175260	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.09	67	48737	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.33	98	160486	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
45) trans-1,3-Dichloropropene-	7.64	79	21596	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
48) 2-Hexanone-d5	8.11	63	67349	43.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.66%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35491	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	67998	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	906	0.084 ug/L #	22
14) Carbon disulfide	2.31	76	8024	0.270 ug/L #	93
15) Methyl Acetate	2.45	43	1619	0.513 ug/L #	87
21) 2-Butanone	4.11	43	669098	244.104 ug/L #	49
33) Benzene	5.13	78	15786	0.312 ug/L	100
35) Methylcyclohexane	6.14	83	1774	0.083 ug/L	86
37) 1,2-Dichloropropane	6.09	63	6957	0.586 ug/L #	85
39) cis-1,3-Dichloropropene	7.00	75	1933	0.108 ug/L	84
42) Toluene	7.41	91	24879	0.451 ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	2039	0.040 ug/L	97
44) 1,2,4-Trimethylbenzene	10.94	105	7499	0.143 ug/L	98
50) 2-Hexanone	8.17	43	2117	0.459 ug/L #	82
54) Ethylbenzene	9.03	91	9629	0.156 ug/L	97
55) m,p-xylene	9.16	106	5179	0.223 ug/L	96
56) o-xylene	9.57	106	4603	0.204 ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 25 00:05:26 2020
Response via : Initial Calibration

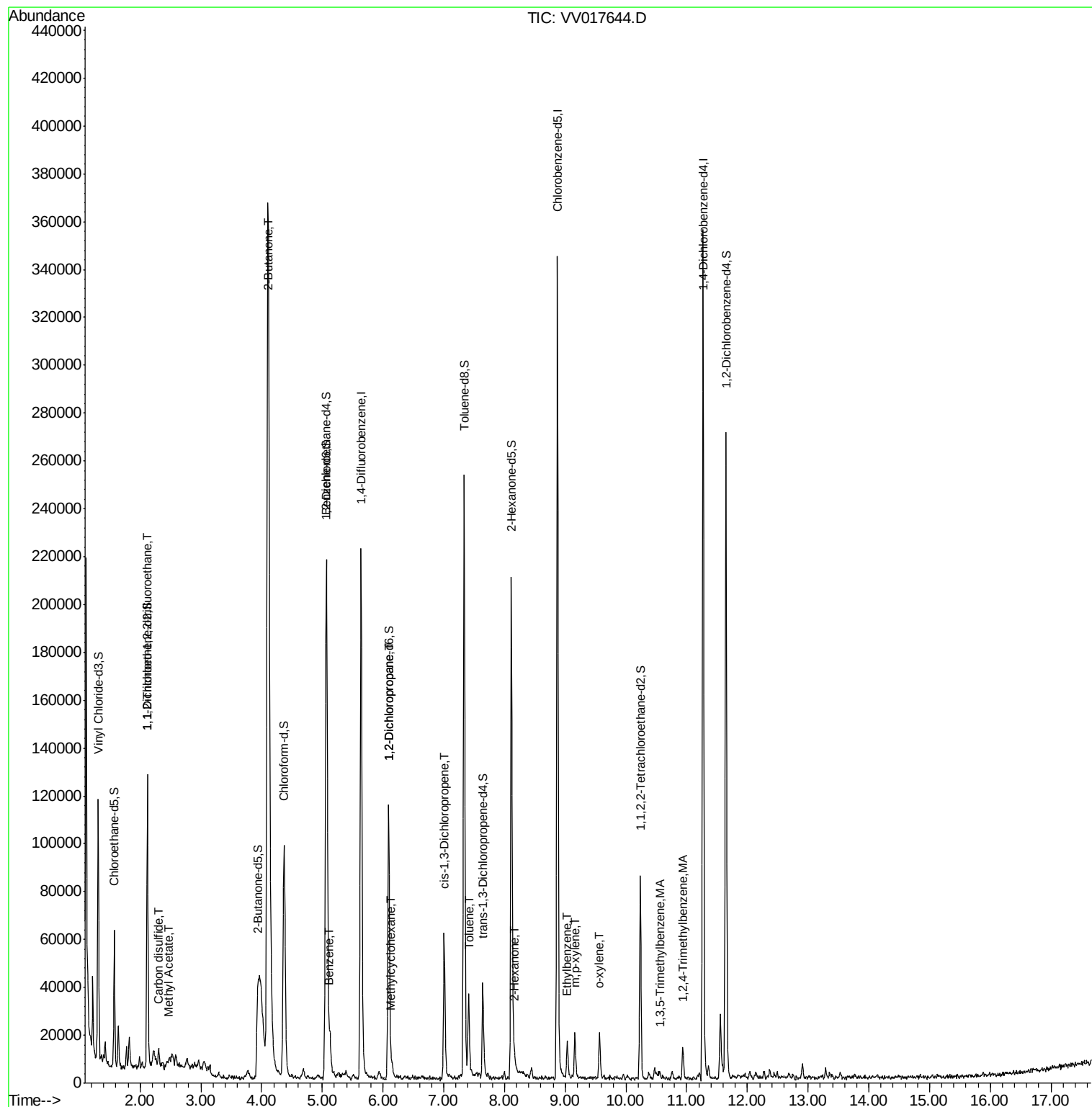
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

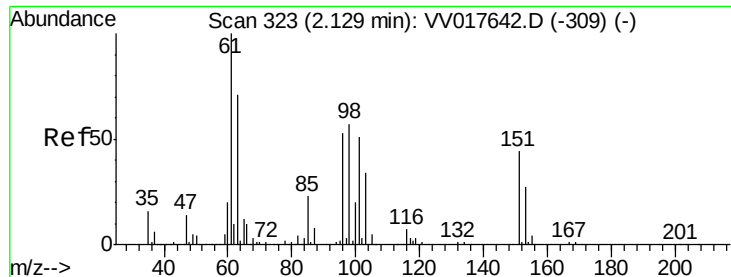
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.084 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.02 min

Lab File: VV017644.D

Acq: 24 Jul 2020 13:15

Instrument :

MSVOA_V

ClientSampleId :

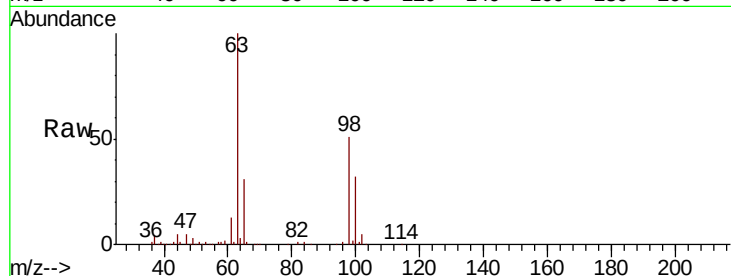
Tot Ion:101 Resp: 906

Ion Ratio Lower Upper

101 100

85 5.2 34.6 51.8#

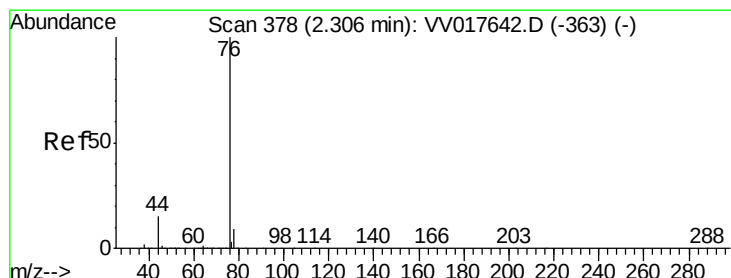
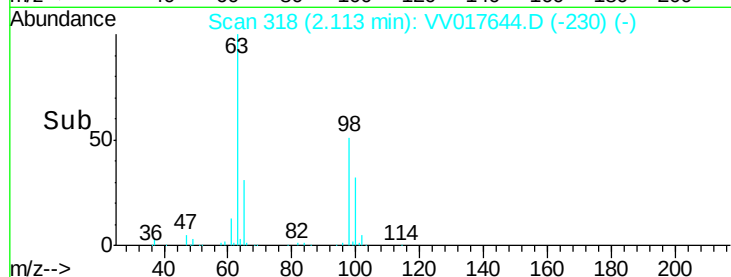
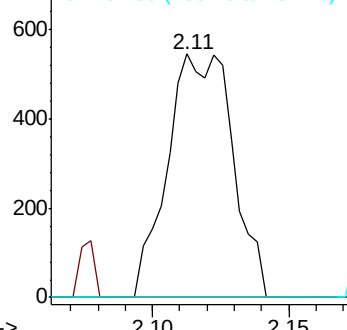
151 2.2 63.5 95.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#14

Carbon disulfide

Concen: 0.270 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017644.D

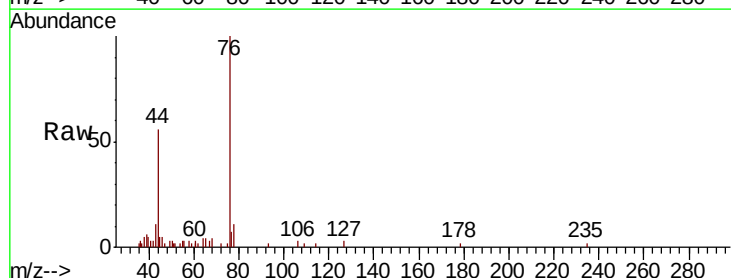
Acq: 24 Jul 2020 13:15

Tgt Ion: 76 Resp: 8024

Ion Ratio Lower Upper

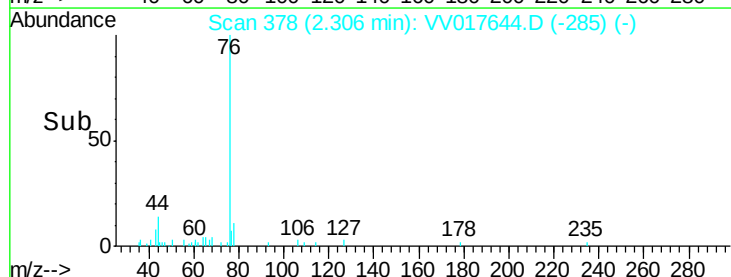
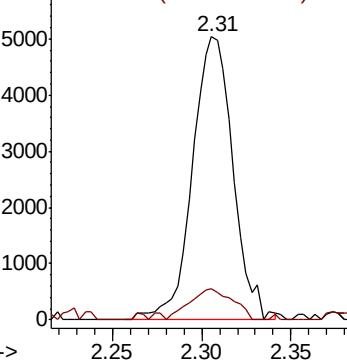
76 100

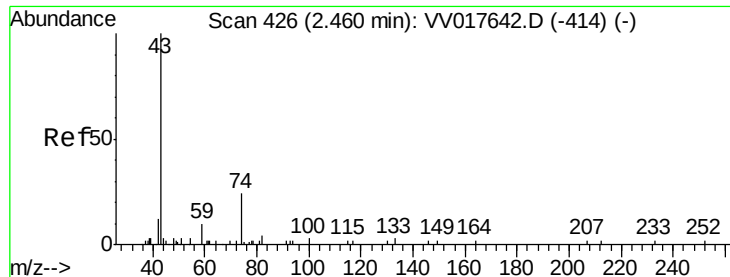
78 10.8 6.6 10.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

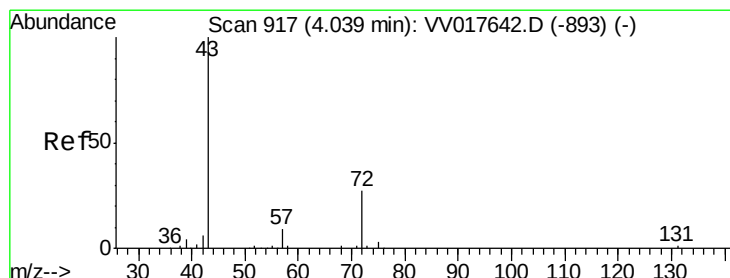
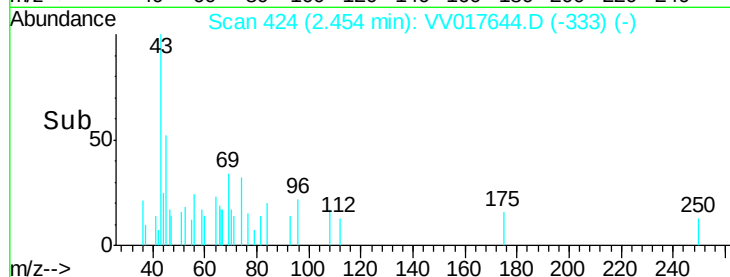
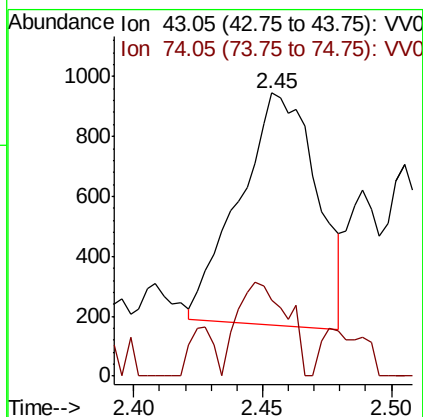
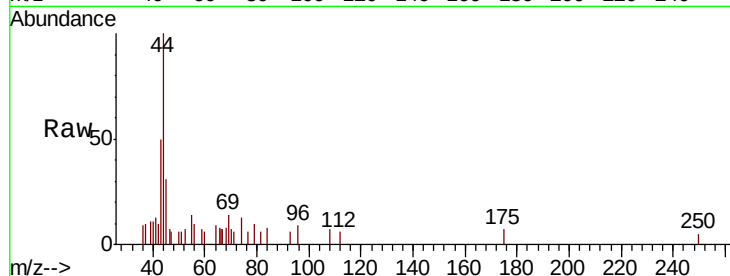




#15
Methvl Acetate
Concen: 0.513 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV017644.D
Acq: 24 Jul 2020 13:15

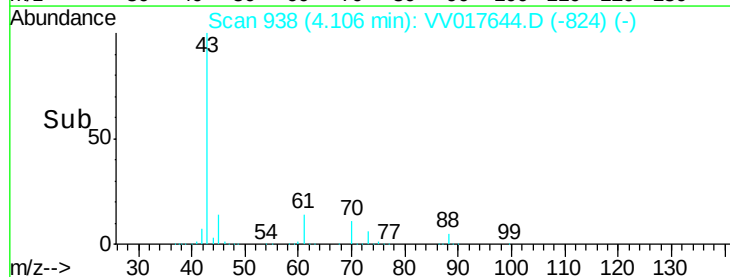
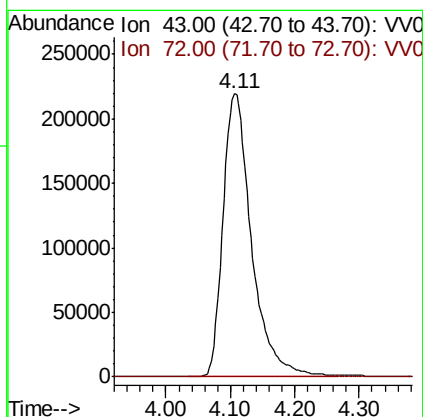
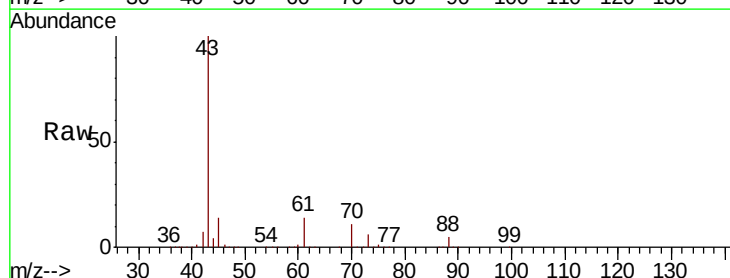
Instrument :
MSVOA_V
ClientSampled :

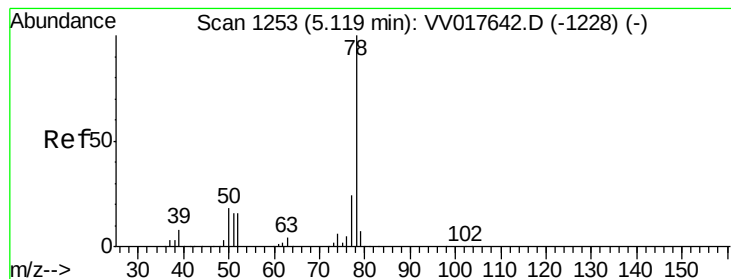
Tot Ion: 43 Resp: 1619
Ion Ratio Lower Upper
43 100
74 25.9 26.6 40.0#



#21
2-Butanone
Concen: 244.104 ug/L
RT: 4.11 min Scan# 938
Delta R.T. 0.07 min
Lab File: VV017644.D
Acq: 24 Jul 2020 13:15

Tgt Ion: 43 Resp: 669098
Ion Ratio Lower Upper
43 100
72 0.1 13.0 38.9#





#33

Benzene

Concen: 0.312 ug/L

RT: 5.13 min Scan# 1255

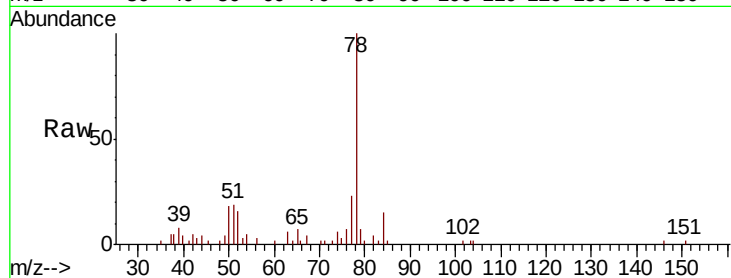
Delta R.T. 0.01 min

Lab File: VV017644.D

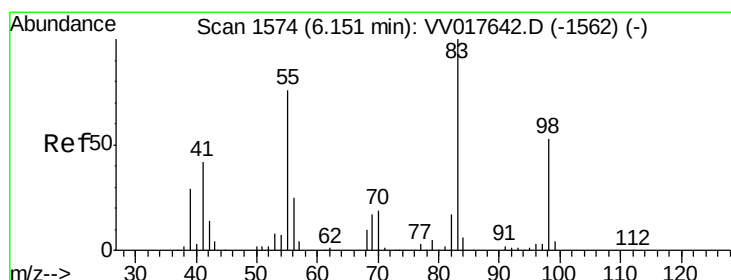
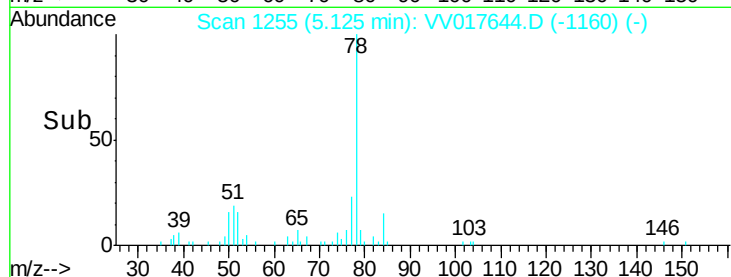
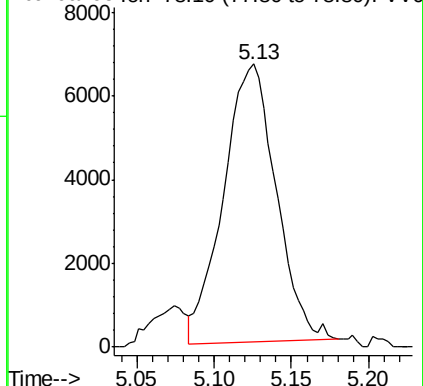
Acq: 24 Jul 2020 13:15

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 15786



Abundance Ion 78.10 (77.80 to 78.80): VV0



#35

Methylcyclohexane

Concen: 0.083 ug/L

RT: 6.14 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VV017644.D

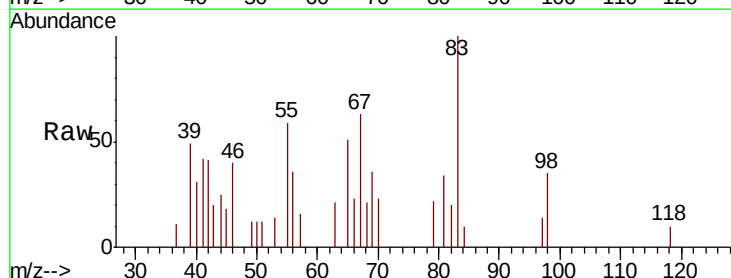
Acq: 24 Jul 2020 13:15

Tgt Ion: 83 Resp: 1774

Ion	Ratio	Lower	Upper
83	100		

55	92.1	61.8	92.8
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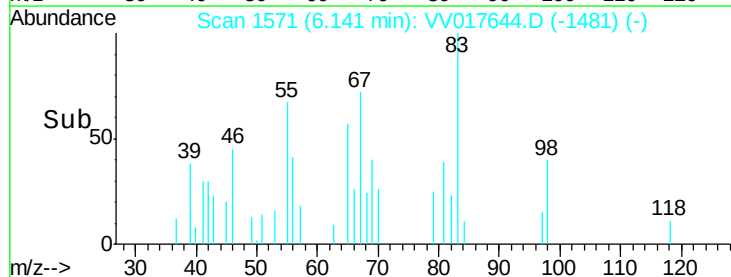
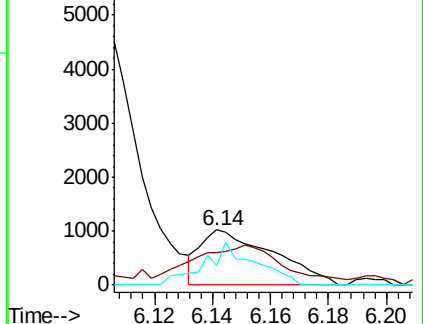
98	54.2	39.0	58.6
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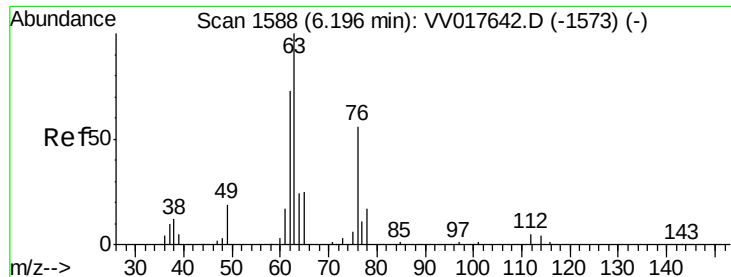


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

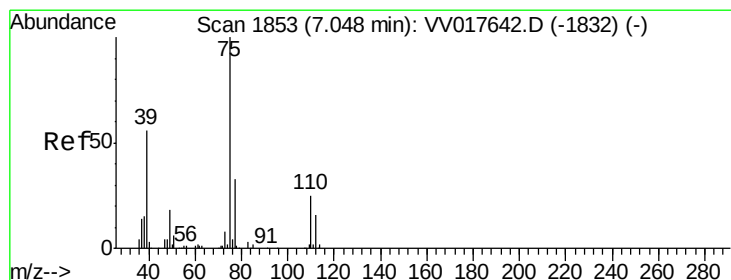
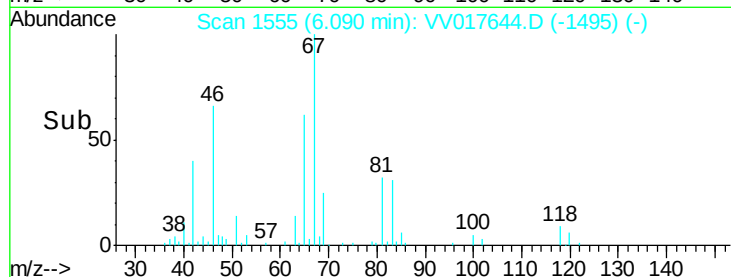
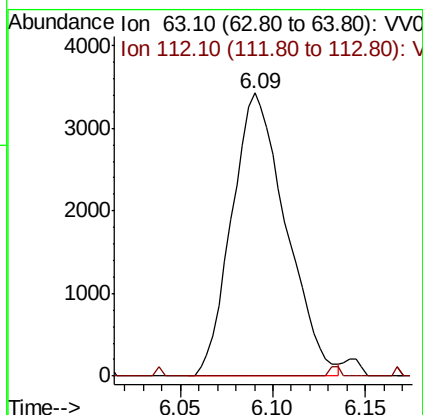
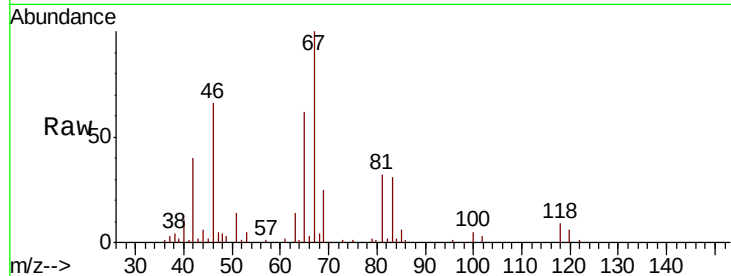




#37
 1,2-Dichloropropane
 Concen: 0.586 ug/L
 RT: 6.09 min Scan# 1555
 Delta R.T. -0.11 min
 Lab File: VV017644.D
 Acq: 24 Jul 2020 13:15

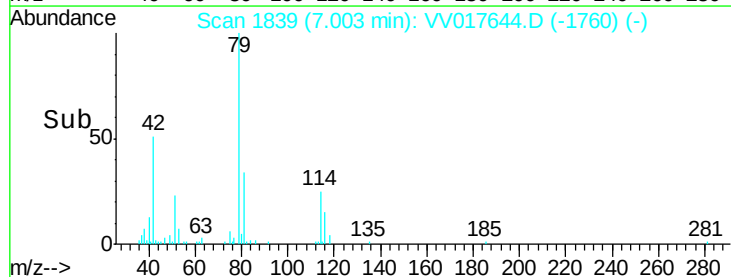
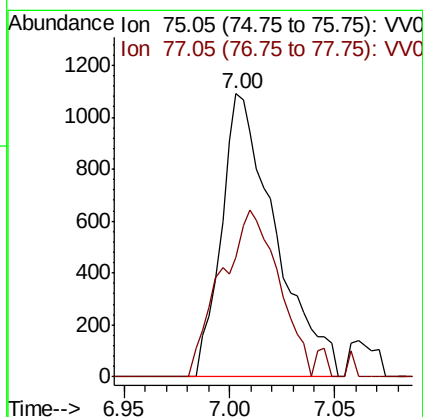
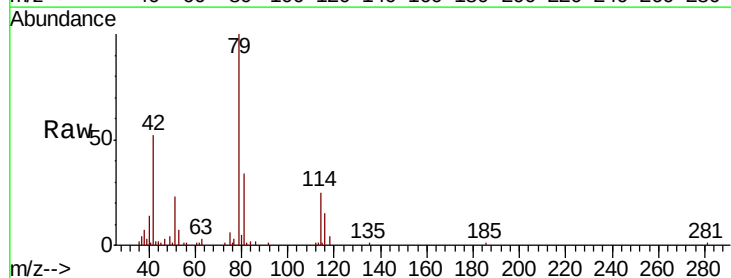
Instrument :
 MSVOA_V
 ClientSampleId :

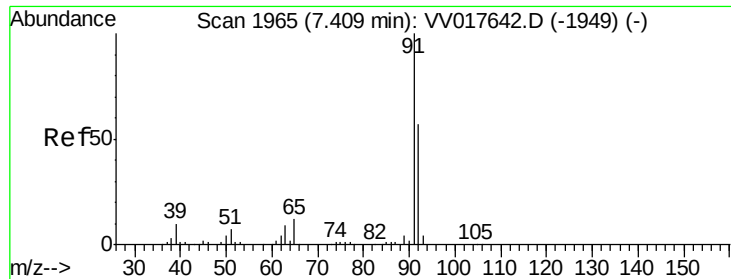
Tot Ion: 63 Resp: 6957
 Ion Ratio Lower Upper
 63 100
 112 0.6 4.5 6.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.00 min Scan# 1839
 Delta R.T. -0.05 min
 Lab File: VV017644.D
 Acq: 24 Jul 2020 13:15

Tgt Ion: 75 Resp: 1933
 Ion Ratio Lower Upper
 75 100
 77 42.2 23.2 43.2





#42

Toluene

Concen: 0.451 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017644.D

Acq: 24 Jul 2020 13:15

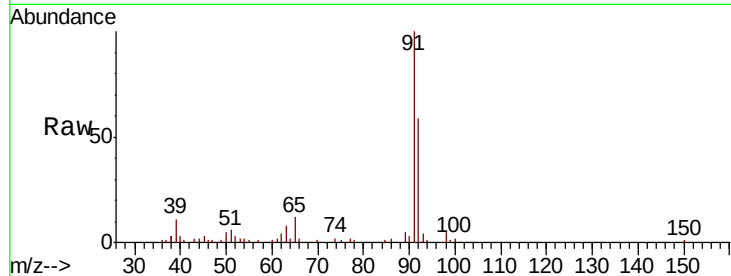
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 24879

Ion Ratio Lower Upper

91 100

92 59.4 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017642.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017642.D (-1949) (-)

7.41

15000

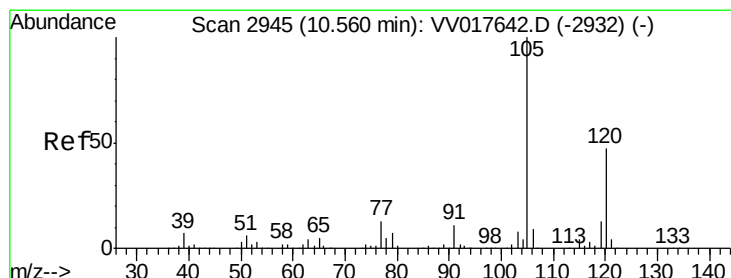
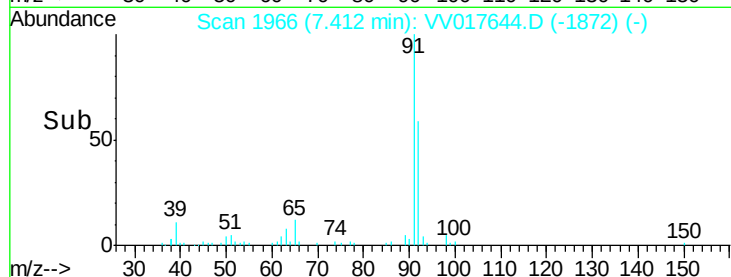
10000

5000

0

Time-->

7.35 7.40 7.45 7.50



#43

1,3,5-Trimethylbenzene

Concen: 0.040 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017644.D

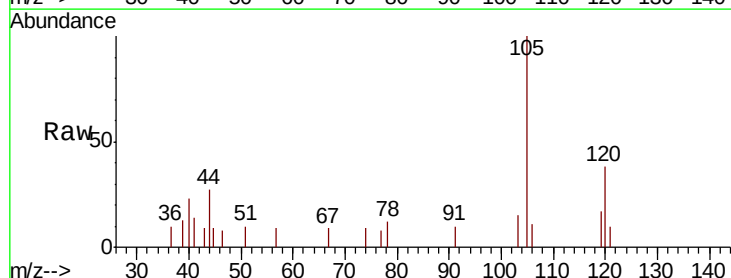
Acq: 24 Jul 2020 13:15

Tgt Ion:105 Resp: 2039

Ion Ratio Lower Upper

105 100

120 47.2 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): VV017642.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017642.D (-2932) (-)

10.56

1500

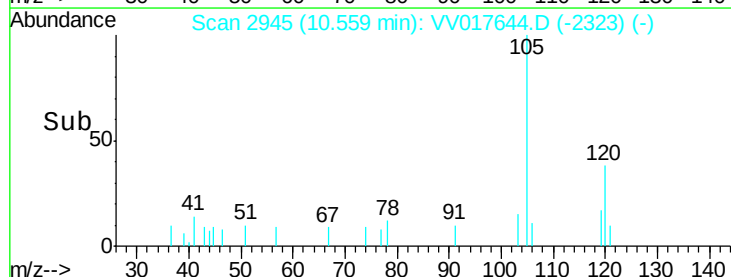
1000

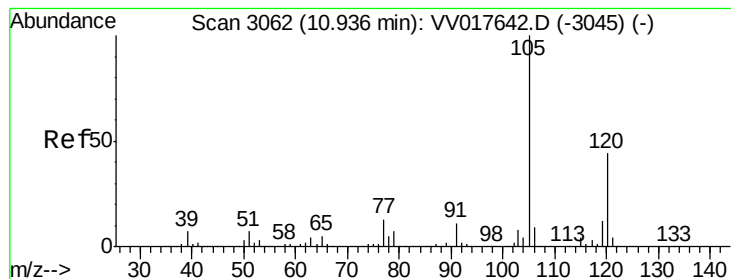
500

0

Time-->

10.55 10.60





#44

1,2,4-Trimethylbenzene

Concen: 0.143 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV017644.D

Acq: 24 Jul 2020 13:15

Instrument :

MSVOA_V

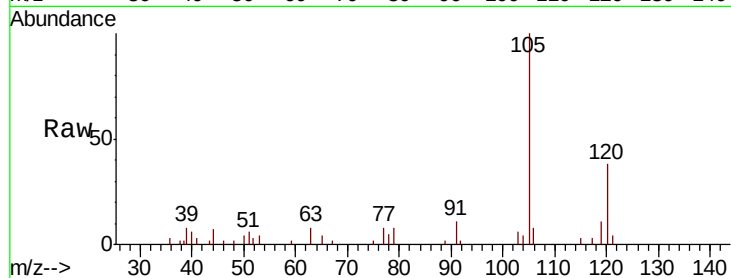
ClientSampleId :

Tot Ion:105 Resp: 7499

Ion Ratio Lower Upper

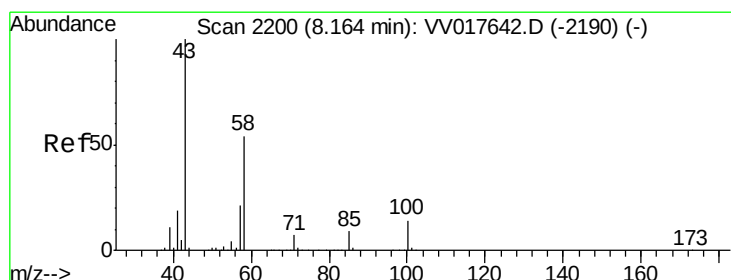
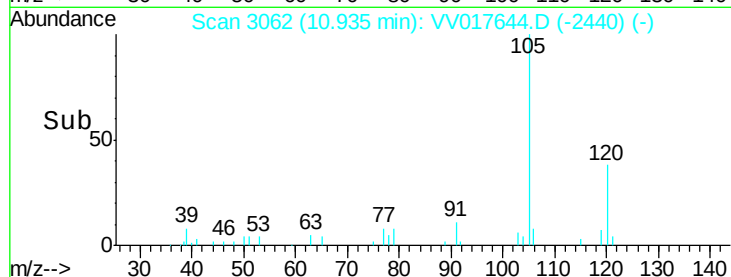
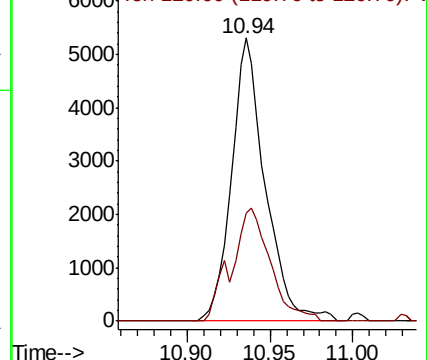
105 100

120 46.5 35.9 53.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#50

2-Hexanone

Concen: 0.459 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV017644.D

Acq: 24 Jul 2020 13:15

Tgt Ion: 43 Resp: 2117

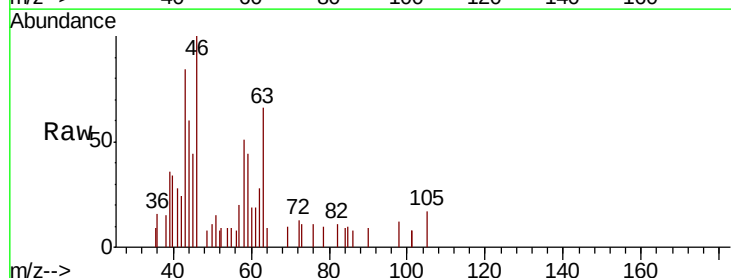
Ion Ratio Lower Upper

43 100

58 41.9 41.6 62.4

57 5.4 15.4 23.0#

100 8.6 11.2 16.8#

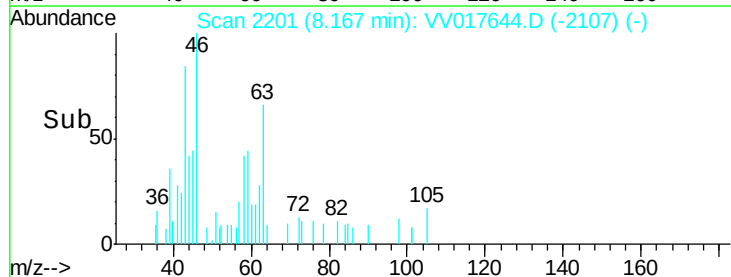
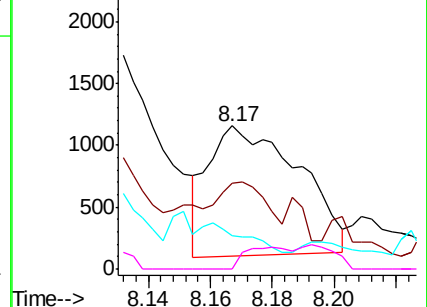


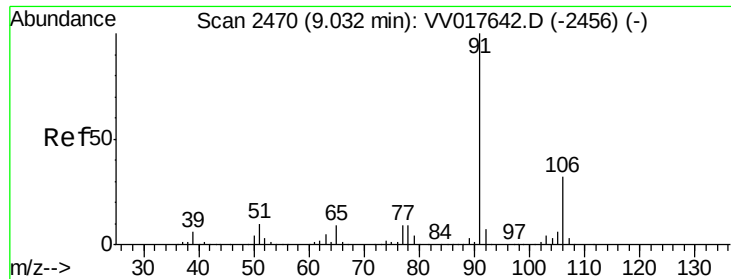
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#54

Ethylbenzene

Concen: 0.156 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017644.D

Acq: 24 Jul 2020 13:15

Instrument :

MSVOA_V

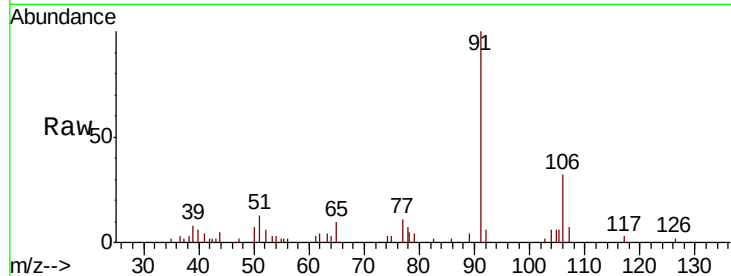
ClientSampled :

Tot Ion: 91 Resp: 9629

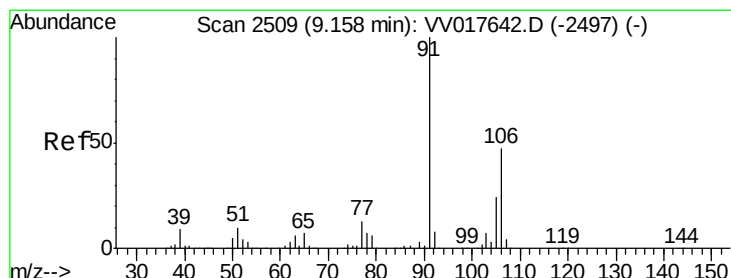
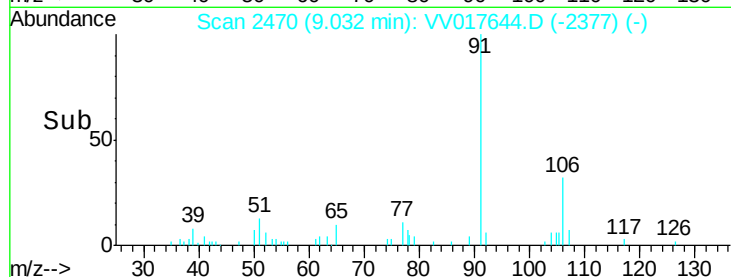
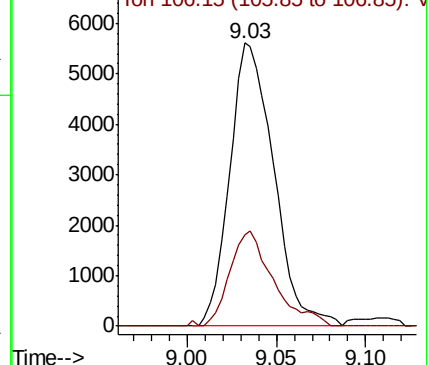
Ion Ratio Lower Upper

91 100

106 32.4 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV017644.D (-2377) (-)



#55

m,p-xylene

Concen: 0.223 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017644.D

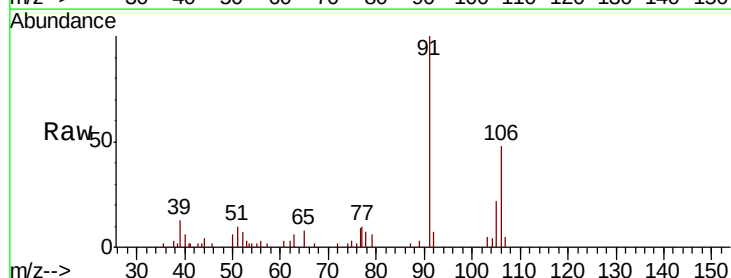
Acq: 24 Jul 2020 13:15

Tgt Ion: 106 Resp: 5179

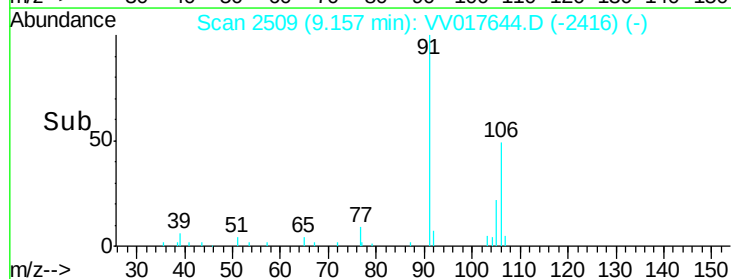
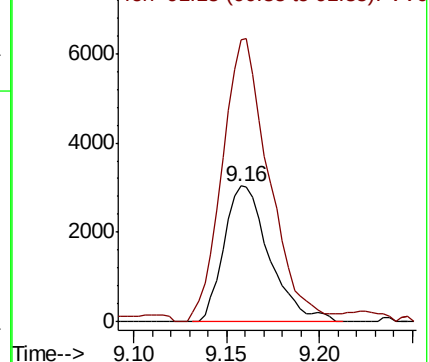
Ion Ratio Lower Upper

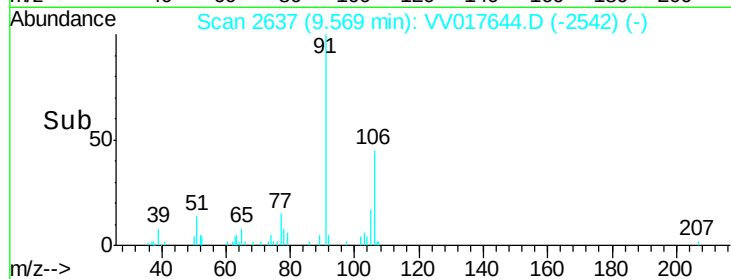
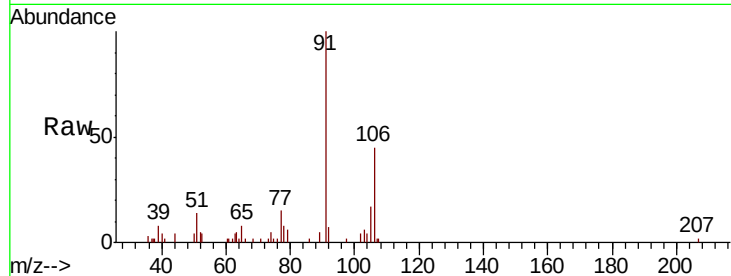
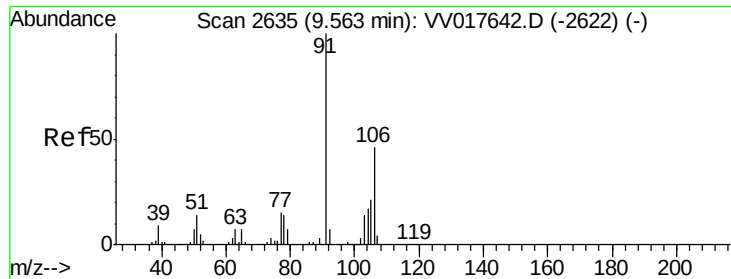
106 100

91 207.8 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): VV017644.D (-2416) (-)





#56
o-xylene
Concen: 0.204 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VV017644.D
Acq: 24 Jul 2020 13:15

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 4603
Ion Ratio Lower Upper
106 100
91 223.1 153.9 285.7

