

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061120\
 Data File : VV016835.D
 Acq On : 11 Jun 2020 18:28
 Operator : SY/MD
 Sample : L2914-05 25X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 12 01:33:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 12 01:27:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	351242	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	331119	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168268	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	84484	34.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.18%
7) Chloroethane-d5	1.55	69	62430	41.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.96%
11) 1,1-Dichloroethene-d2	2.11	63	120172	28.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.74%#
21) 2-Butanone-d5	3.89	46	160772	87.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.64%
24) Chloroform-d	4.37	84	207200	41.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.22%
26) 1,2-Dichloroethane-d4	5.05	65	150929	44.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.06%
32) Benzene-d6	5.07	84	386437	40.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.98%
36) 1,2-Dichloropropane-d6	6.09	67	123445	41.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.98%
41) Toluene-d8	7.34	98	349680	39.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.84%#
43) trans-1,3-Dichloropropene-	7.64	79	59787	38.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.16%
47) 2-Hexanone-d5	8.11	63	96429	74.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	74.34%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	169517	43.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	161592	45.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

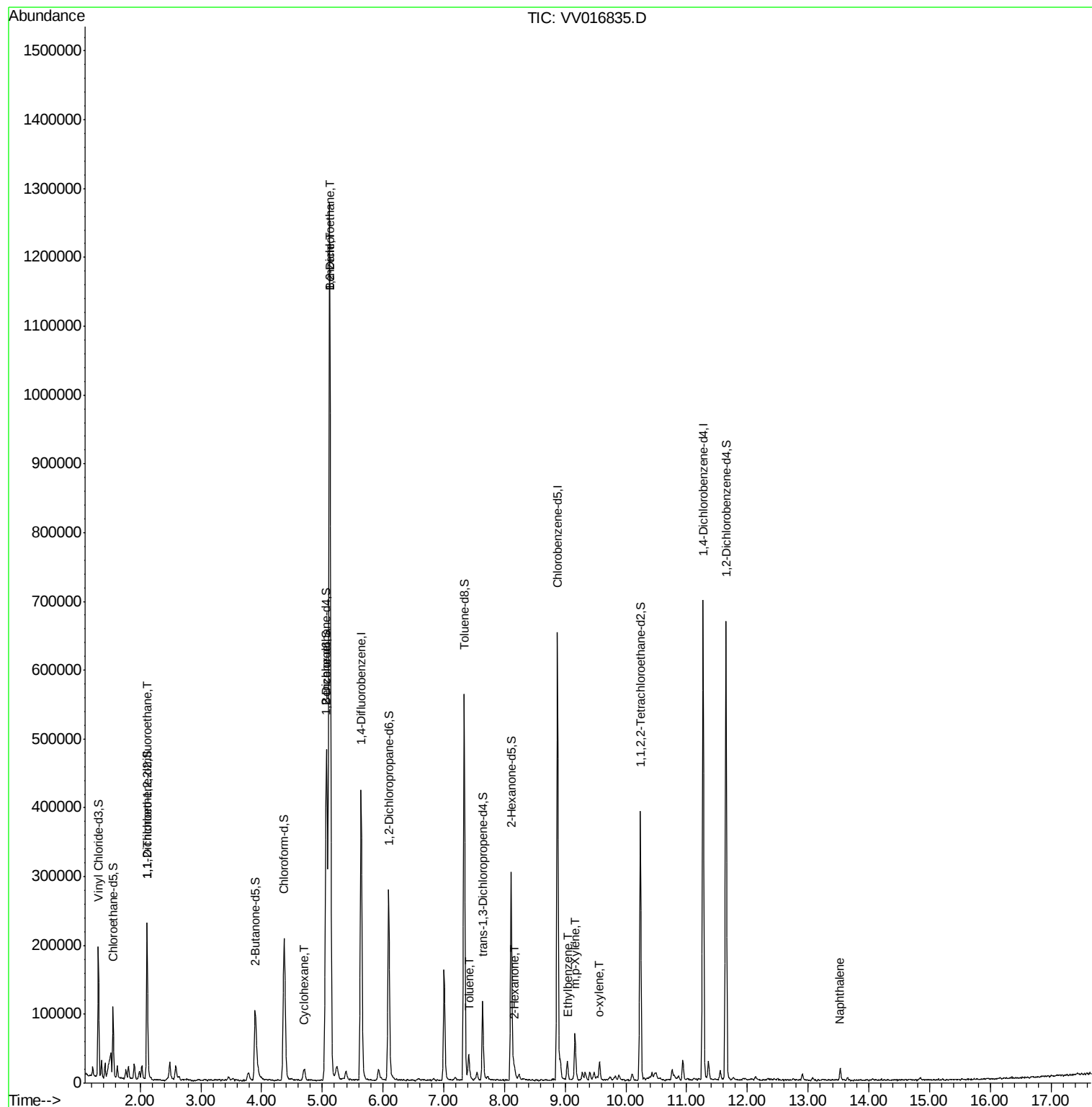
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	1206	0.646	ug/L #	20
27) 1,2-Dichloroethane	5.12	62	13384	3.472	ug/L #	81
29) Cyclohexane	4.71	56	8754	2.128	ug/L	96
33) Benzene	5.12	78	1223557	124.893	ug/L	100
42) Toluene	7.41	91	25868	2.505	ug/L	99
48) 2-Hexanone	8.16	43	10711	3.826	ug/L #	85
52) Ethylbenzene	9.04	91	18292	1.599	ug/L	93
53) m,p-Xylene	9.16	106	18554	4.356	ug/L	90
54) o-xylene	9.57	106	6352	1.512	ug/L	92
69) Naphthalene	13.53	128	12693	1.211	ug/L	95

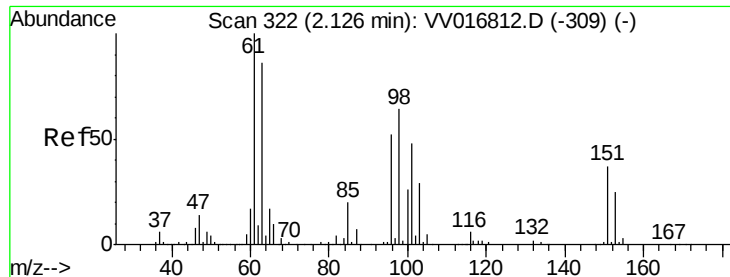
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jun 12 01:33:52 2020
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Quant Title : VOC Analysis
QLast Update : Fri Jun 12 01:27:40 2020
Response via : Initial Calibration





#10

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

Concen: 0.646 ug/L

RT: 2.11 min Scan# 318

Delta R.T. -0.01 min

Lab File: VV016835.D

Acq: 11 Jun 2020 18:28

Instrument :

MSVOA_V

ClientSampleId :

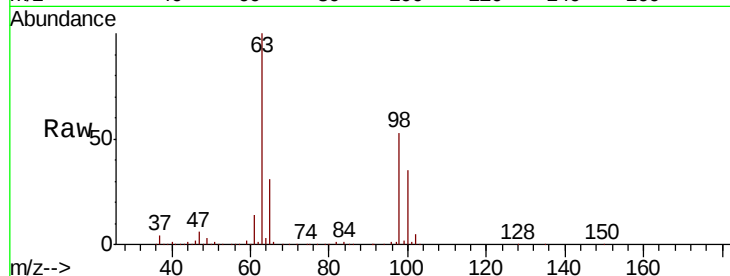
Tot Ion:101 Resp: 1206

Ion Ratio Lower Upper

101 100

85 5.0 35.5 53.3#

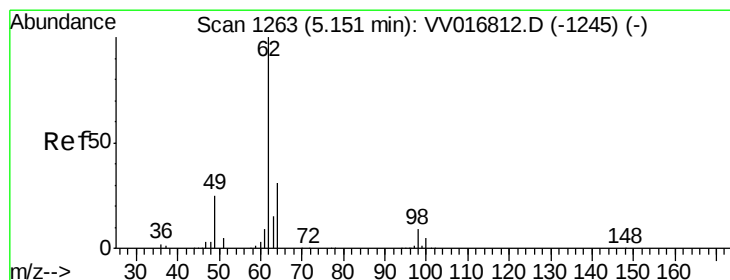
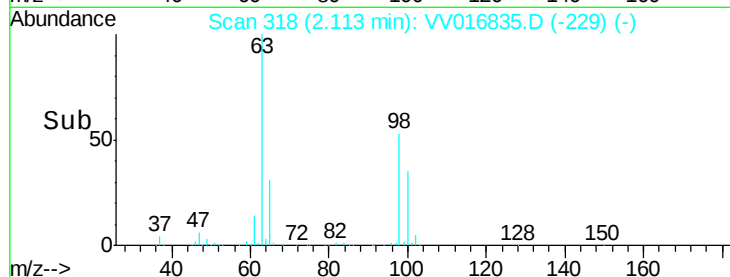
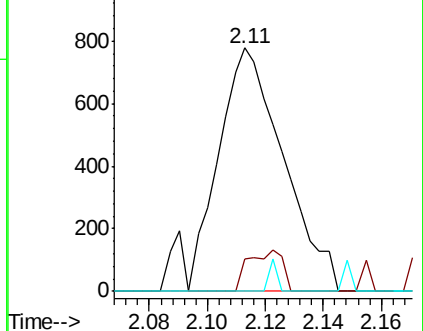
151 0.0 63.9 95.9#



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



#27

1,2-Dichloroethane

Concen: 3.472 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.03 min

Lab File: VV016835.D

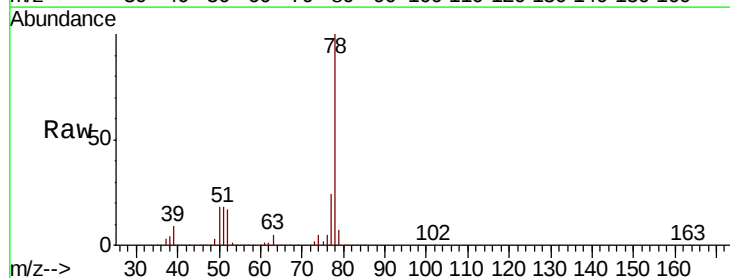
Acq: 11 Jun 2020 18:28

Tgt Ion: 62 Resp: 13384

Ion Ratio Lower Upper

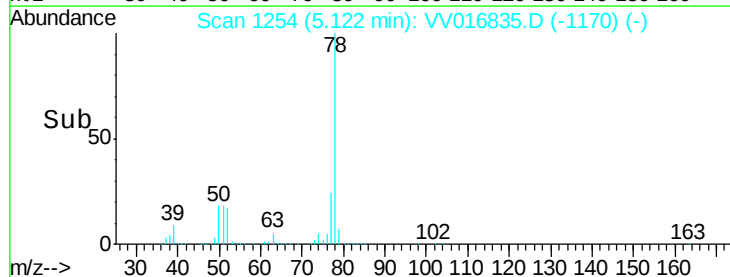
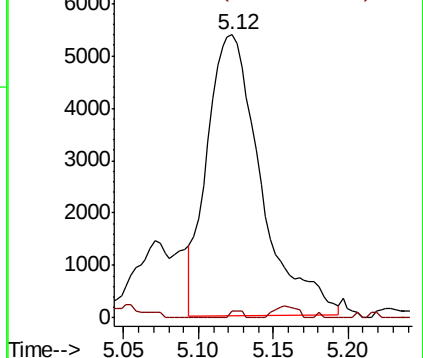
62 100

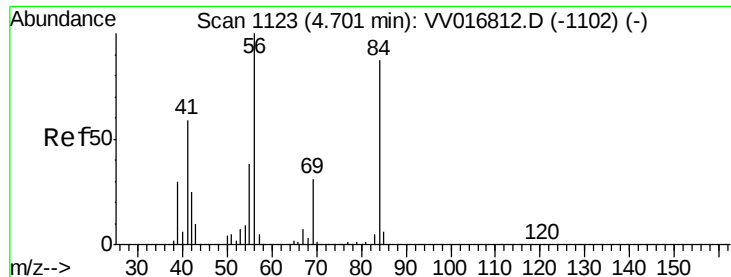
98 2.2 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

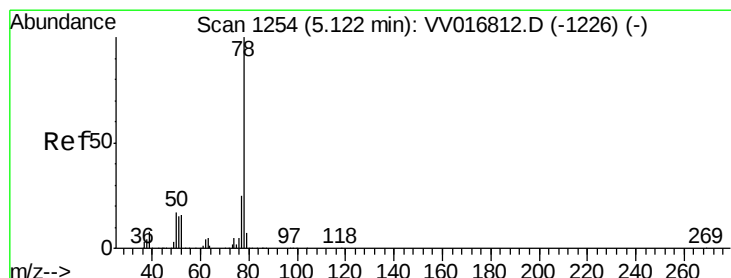
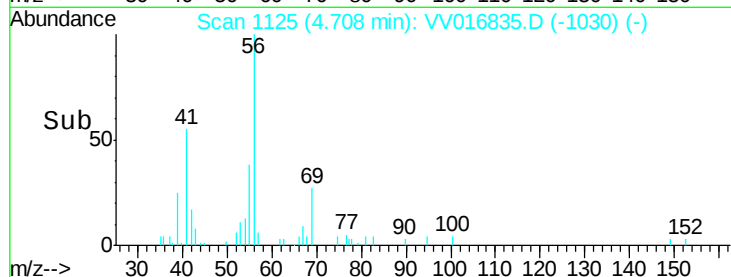
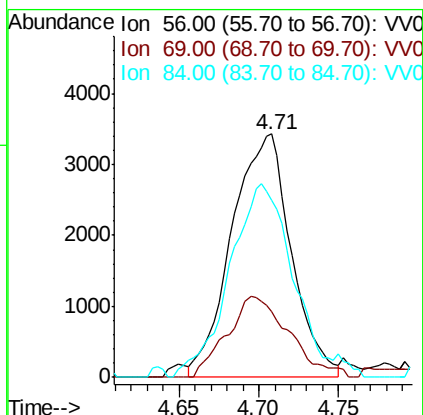
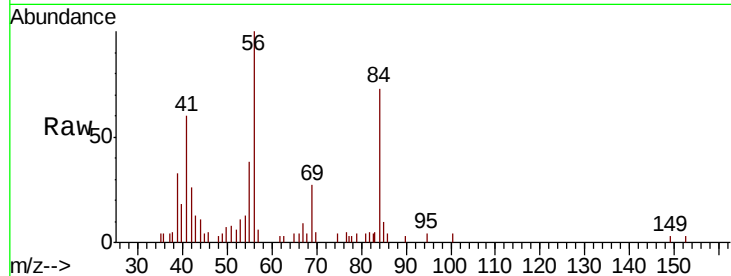




#29
Cyclohexane
Concen: 2.128 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VV016835.D
Acq: 11 Jun 2020 18:28

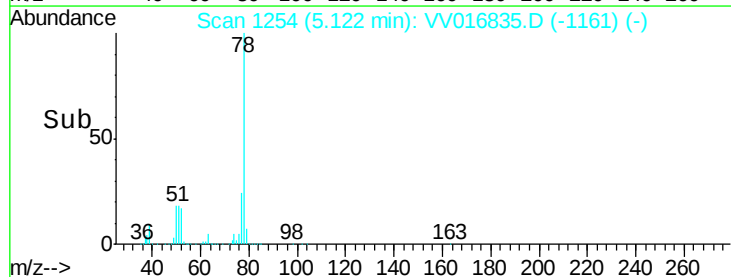
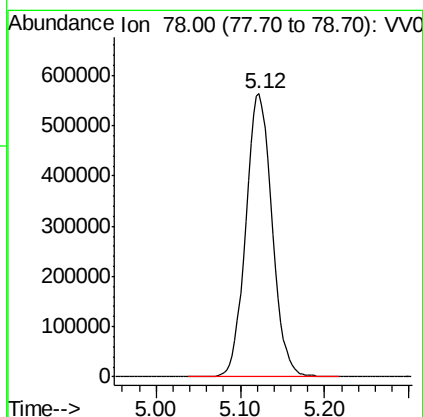
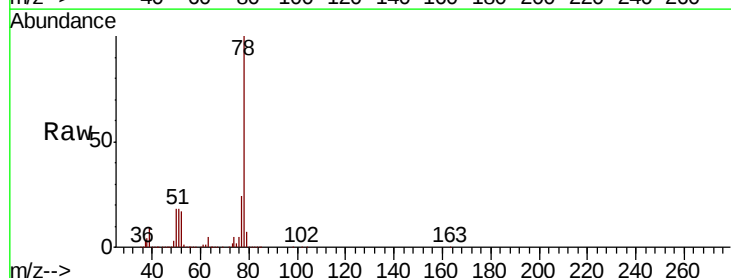
Instrument :
MSVOA_V
ClientSampleId :

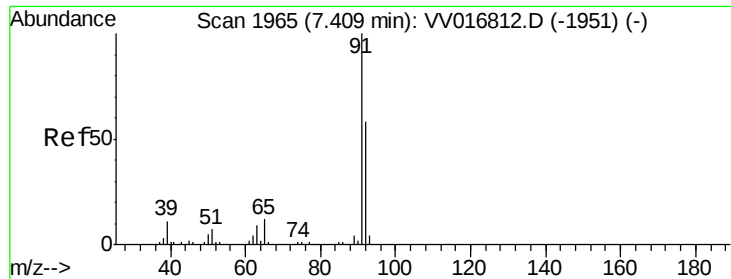
Tot Ion: 56 Resp: 8754
Ion Ratio Lower Upper
56 100
69 34.1 25.0 37.4
84 83.8 69.5 104.3



#33
Benzene
Concen: 124.893 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV016835.D
Acq: 11 Jun 2020 18:28

Tgt Ion: 78 Resp: 1223557





#42

Toluene

Concen: 2.505 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016835.D

Acq: 11 Jun 2020 18:28

Instrument :

MSVOA_V

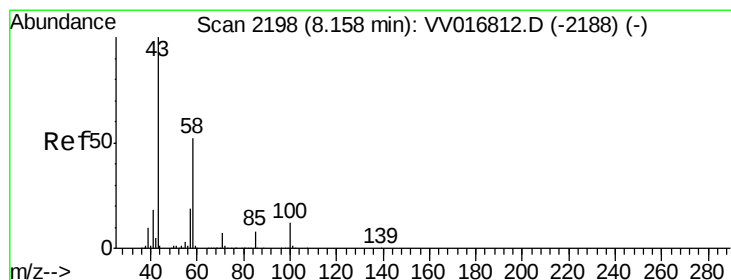
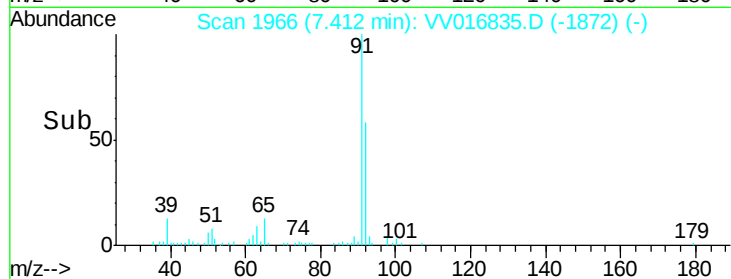
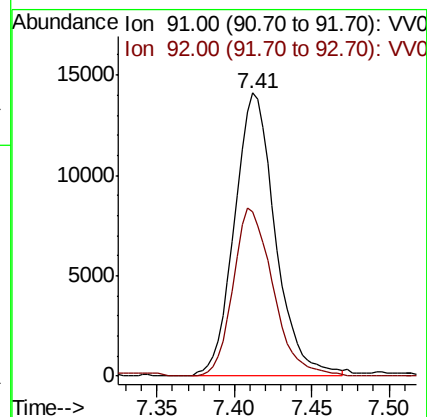
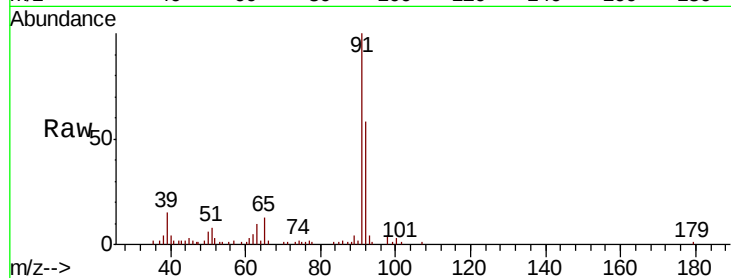
ClientSampleId :

Tot Ion: 91 Resp: 25868

Ion Ratio Lower Upper

91 100

92 58.2 40.4 75.0



#48

2-Hexanone

Concen: 3.826 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV016835.D

Acq: 11 Jun 2020 18:28

Tgt Ion: 43 Resp: 10711

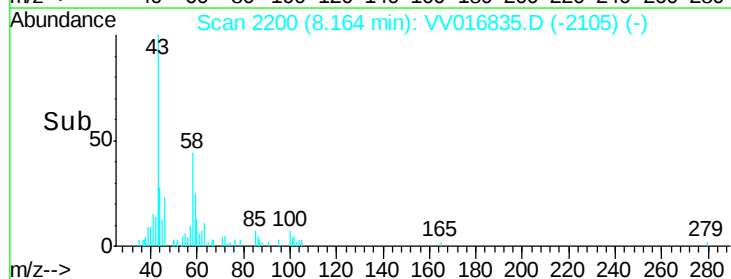
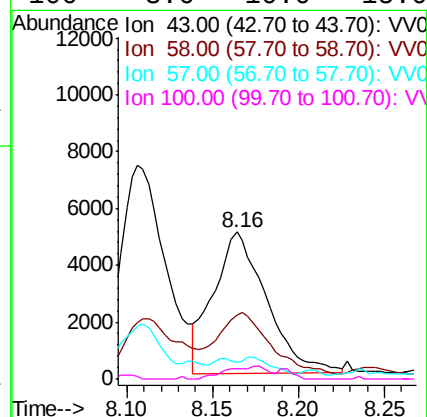
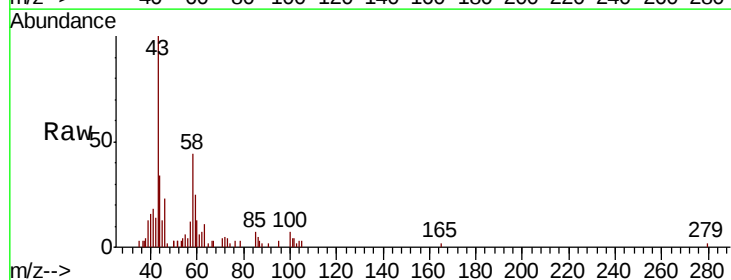
Ion Ratio Lower Upper

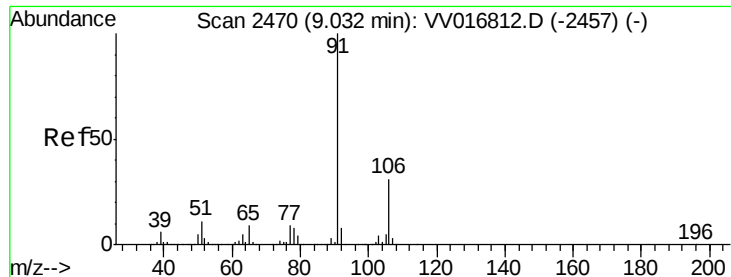
43 100

58 47.0 43.1 64.7

57 6.8 15.3 22.9#

100 3.6 10.0 15.0#





#52

Ethylbenzene

Concen: 1.599 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016835.D

Acq: 11 Jun 2020 18:28

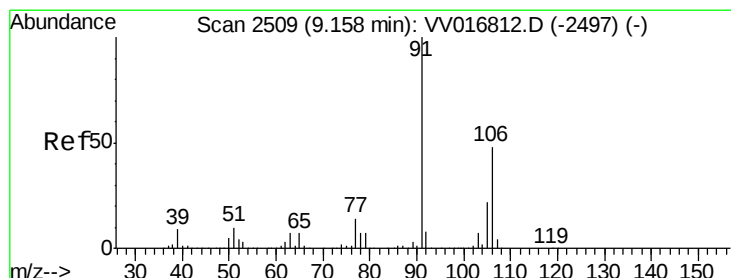
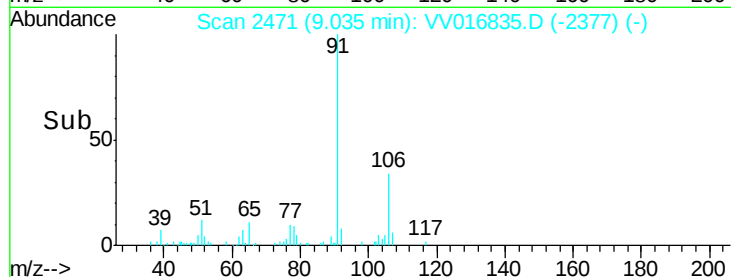
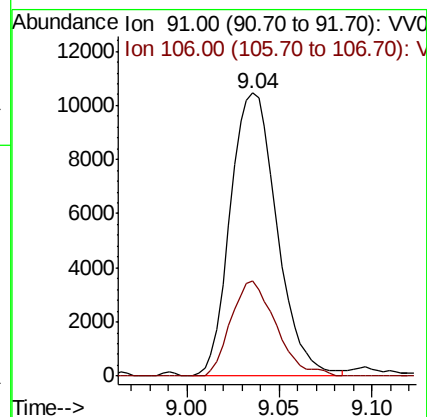
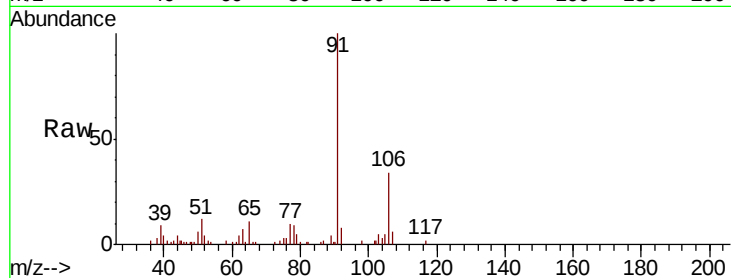
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 18292

Ion Ratio Lower Upper

91 100

106 33.6 21.1 39.1



#53

m,p-Xylene

Concen: 4.356 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016835.D

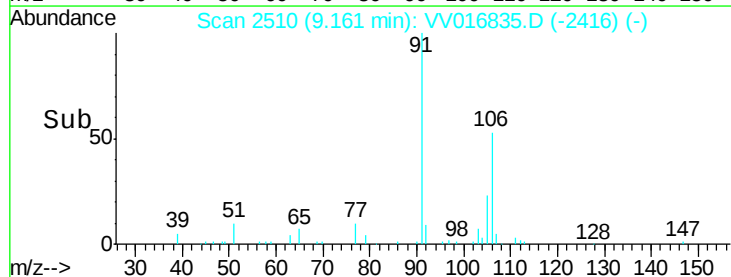
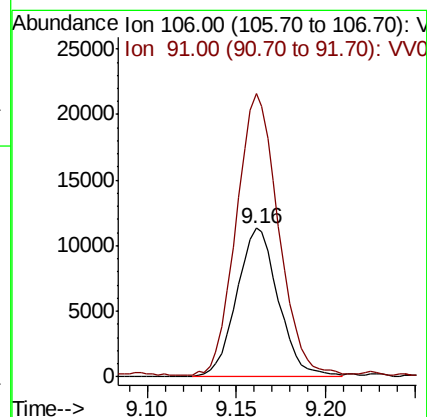
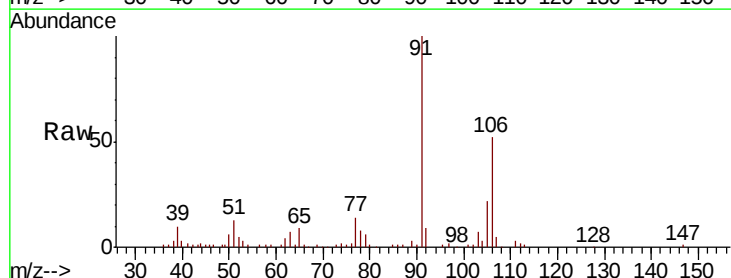
Acq: 11 Jun 2020 18:28

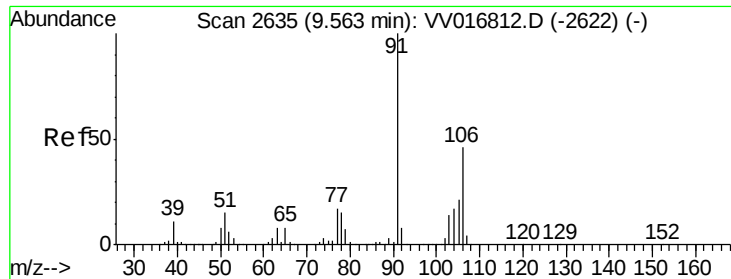
Tgt Ion: 106 Resp: 18554

Ion Ratio Lower Upper

106 100

91 190.7 144.6 268.6





#54

o-xylene

Concen: 1.512 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016835.D

Acq: 11 Jun 2020 18:28

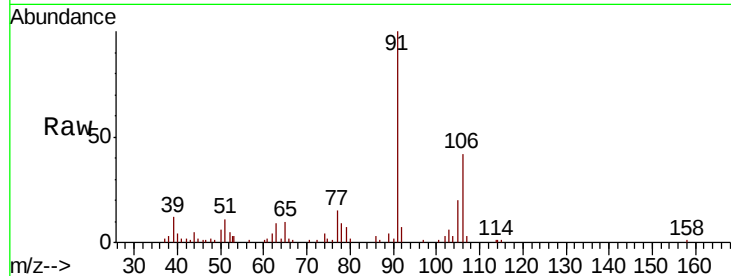
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 6352

Ion Ratio Lower Upper

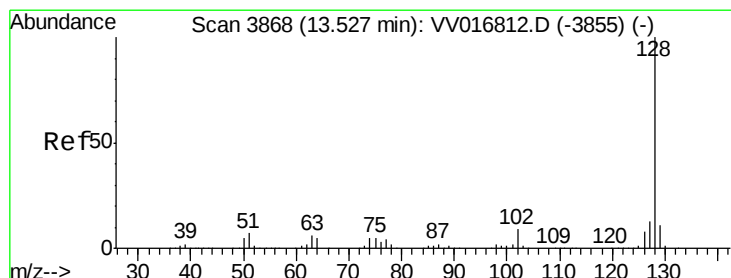
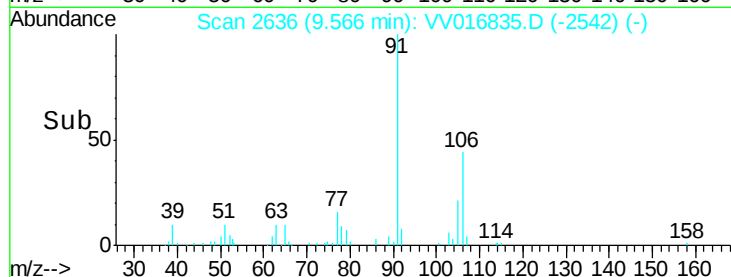
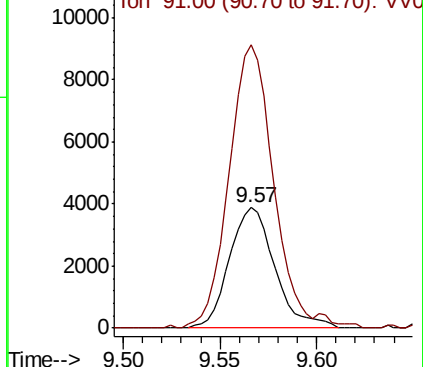
106 100

91 235.3 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#69

Naphthalene

Concen: 1.211 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016835.D

Acq: 11 Jun 2020 18:28

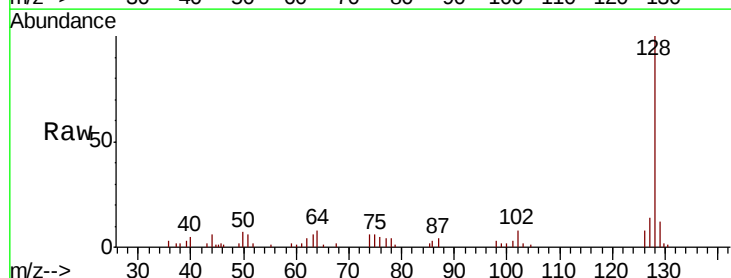
Tgt Ion:128 Resp: 12693

Ion Ratio Lower Upper

128 100

127 15.6 10.5 15.7

129 12.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

