

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
 Data File : VV017495.D
 Acq On : 14 Jul 2020 20:02
 Operator : SY/MD
 Sample : L3281-13
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAXX3

Quant Time: Jul 15 03:08:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 02:49:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	130222	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	126893	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	63118	5.00	ug/L	0.00

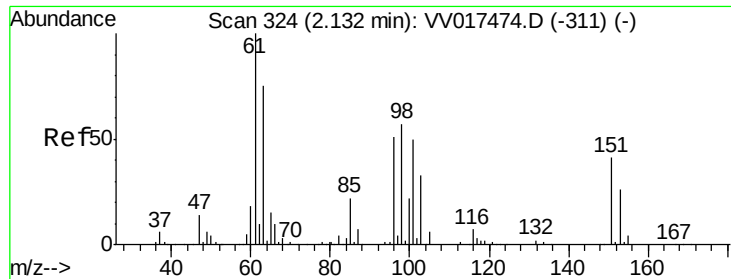
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36721	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.58	69	31618	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.13	63	57504	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	3.93	46	83471	53.70	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.40%
24) Chloroform-d	4.38	84	80165	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.06	65	47578	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.08	84	143651	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.09	67	39345	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.34	98	131269	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
45) trans-1,3-Dichloropropene-	7.65	79	18123	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
48) 2-Hexanone-d5	8.11	63	60351	51.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.44%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	27903	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	56918	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	709	0.080	ug/L #	18
13) Acetone	2.20	43	9179	8.134	ug/L	69
14) Carbon disulfide	2.31	76	1955	0.081	ug/L	96
25) Chloroform	4.41	83	3622	0.207	ug/L	96
37) 1,2-Dichloropropane	6.09	63	5768	0.738	ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	1385	0.110	ug/L #	34
42) Toluene	7.42	91	6275	0.168	ug/L	95
50) 2-Hexanone	8.17	43	2459	0.810	ug/L #	47
54) Ethylbenzene	9.04	91	3380	0.079	ug/L	96
56) o-xylene	9.57	106	1315	0.084	ug/L	97

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



#10

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

Concen: 0.080 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017495.D

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Instrument :

MSVOA_V

ClientSampled :

GAXX3

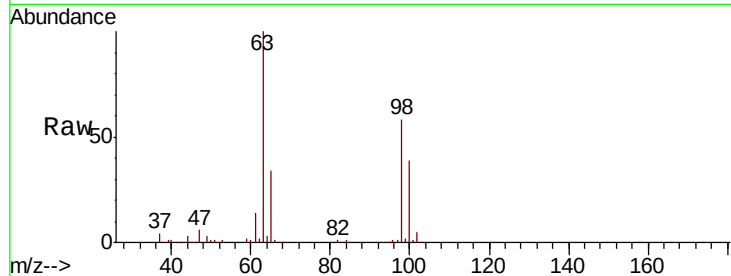
Tot Ion:101 Resp: 709

Ion Ratio Lower Upper

101 100

85 3.0 35.4 53.2#

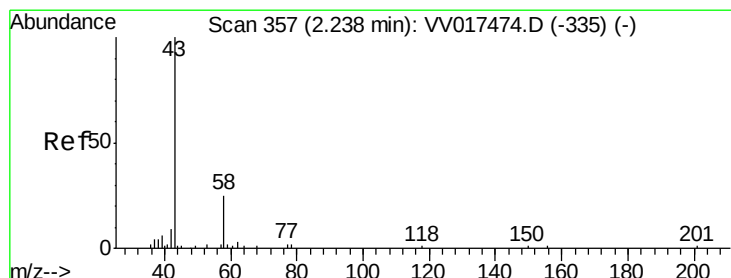
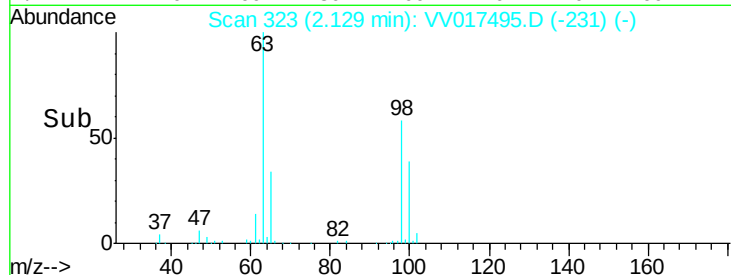
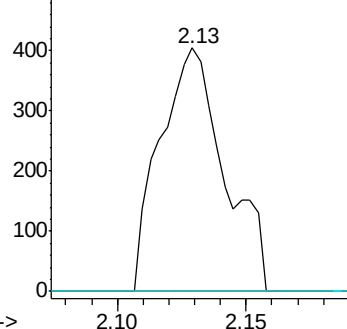
151 0.0 66.5 99.7#



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



#13

Acetone

Concen: 8.134 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.04 min

Lab File: VV017495.D

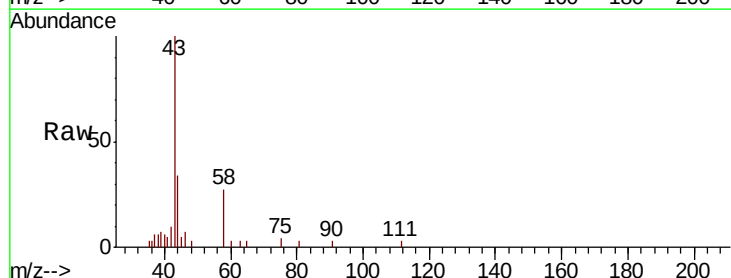
Acq: 14 Jul 2020 20:02

Tgt Ion: 43 Resp: 9179

Ion Ratio Lower Upper

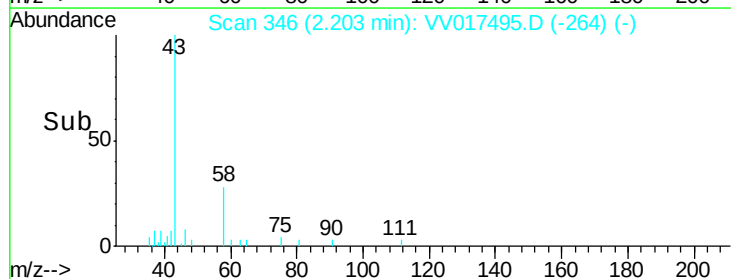
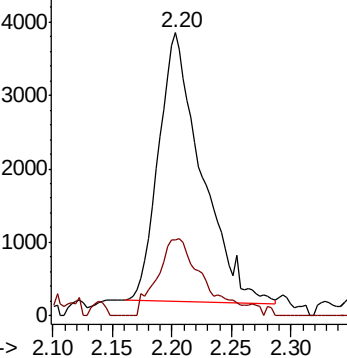
43 100

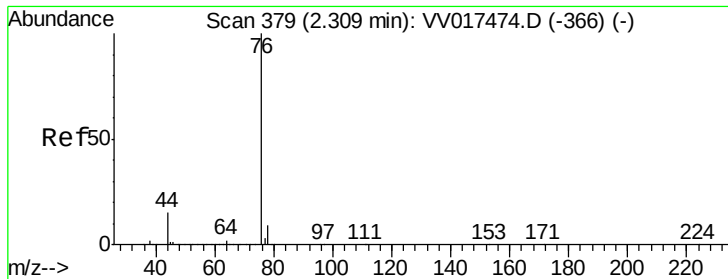
58 30.1 0.0 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.081 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017495.D

Acq: 14 Jul 2020 20:02

Instrument :

MSVOA_V

ClientSampleId :

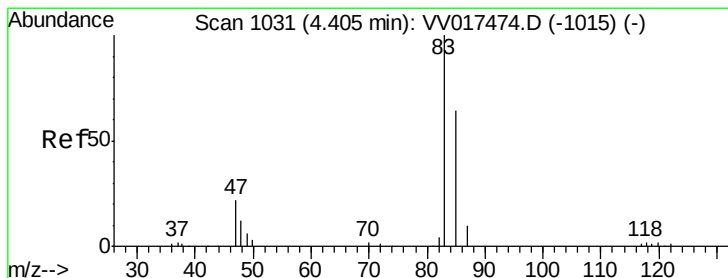
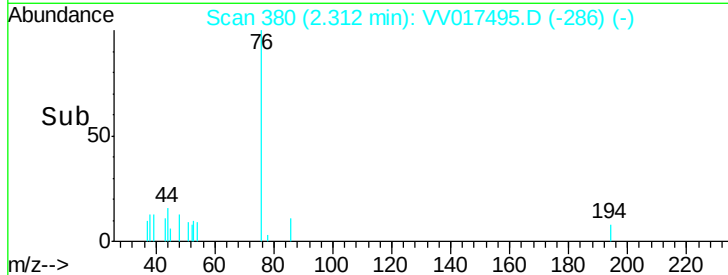
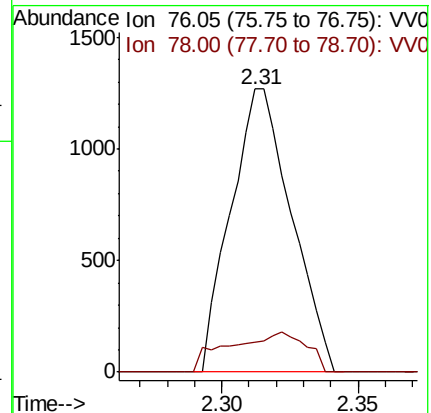
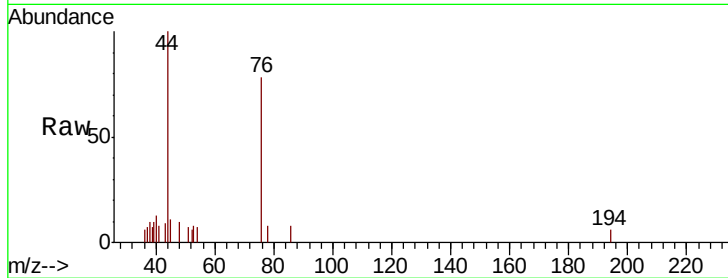
GAXX3

Tot Ion: 76 Resp: 1955

Ion Ratio Lower Upper

76 100

78 10.8 7.5 11.3



#25

Chloroform

Concen: 0.207 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VV017495.D

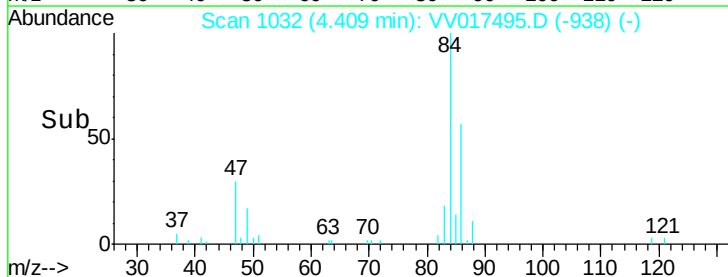
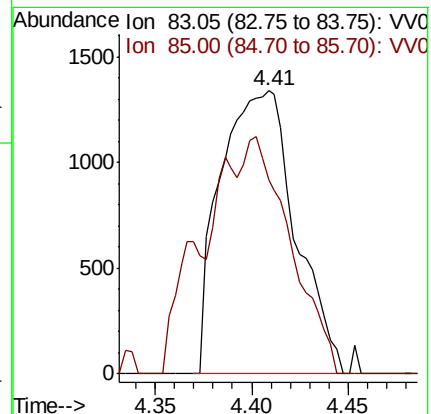
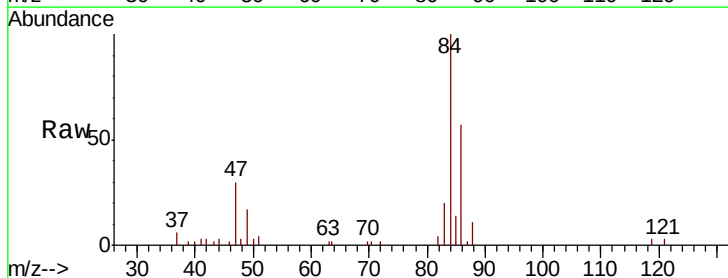
Acq: 14 Jul 2020 20:02

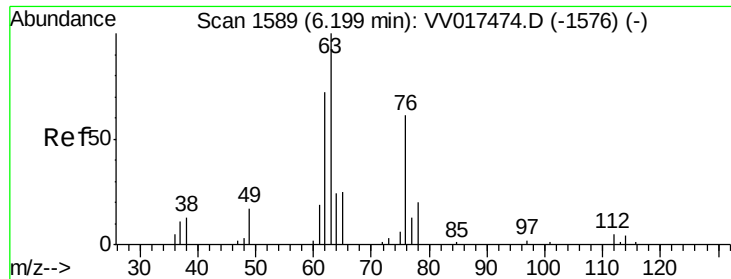
Tgt Ion: 83 Resp: 3622

Ion Ratio Lower Upper

83 100

85 68.3 45.4 84.4

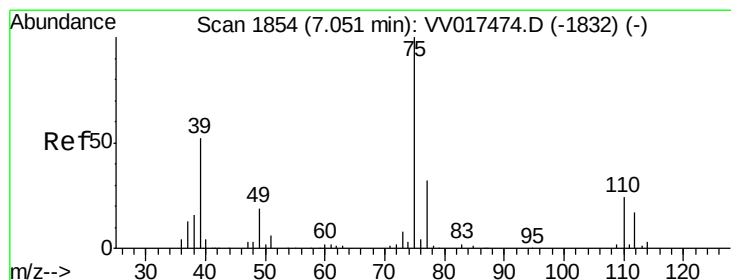
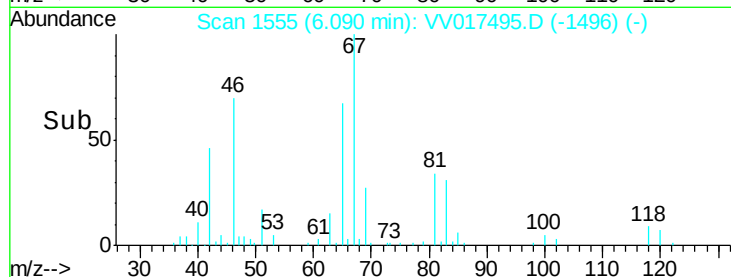
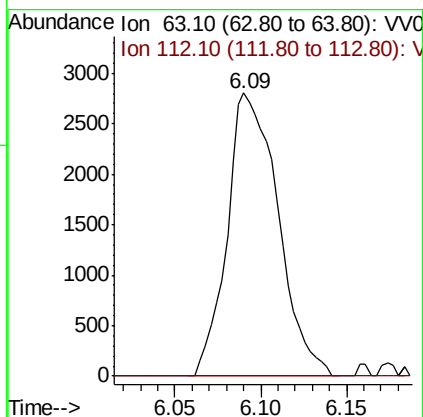
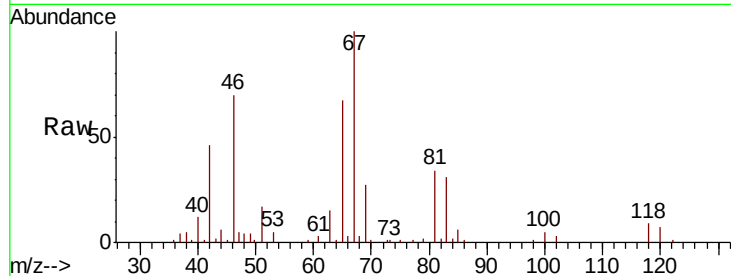




#37
 1,2-Dichloropropane
 Concen: 0.738 ug/L
 RT: 6.09 min Scan# 1555
 Delta R.T. -0.11 min
 Lab File: VV017495.D
 Acq: 14 Jul 2020 20:02

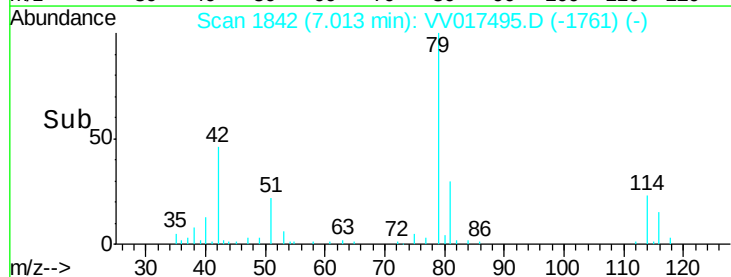
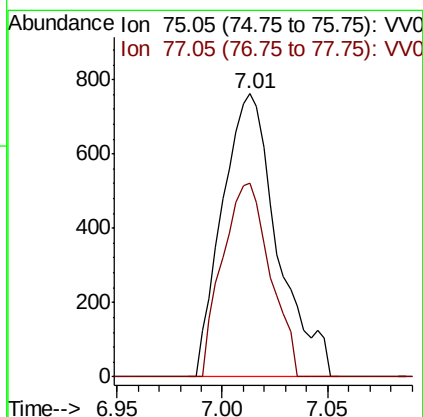
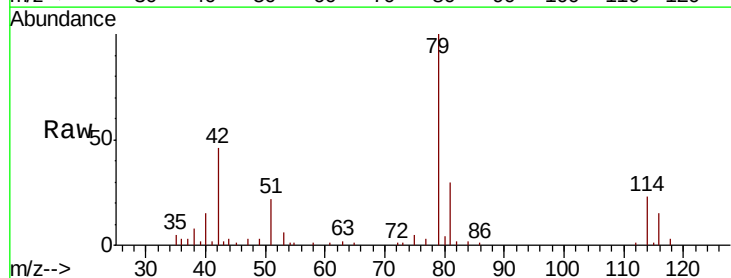
Instrument :
 MSVOA_V
 ClientSampleId :
 GAXX3

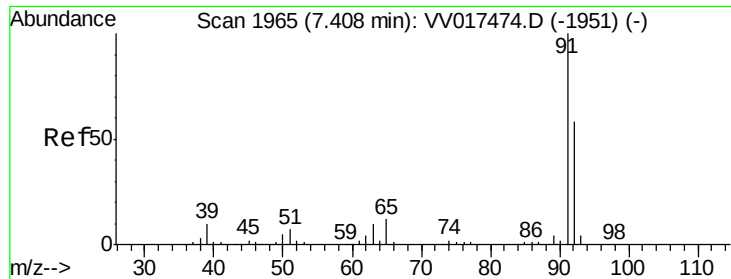
Tot Ion: 63 Resp: 5768
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.4 6.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.110 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV017495.D
 Acq: 14 Jul 2020 20:02

Tgt Ion: 75 Resp: 1385
 Ion Ratio Lower Upper
 75 100
 77 68.5 22.3 41.5#





#42

Toluene

Concen: 0.168 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV017495.D

Acq: 14 Jul 2020 20:02

Instrument :

MSVOA_V

ClientSampleId :

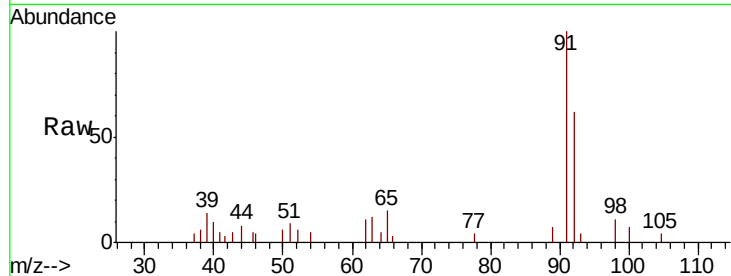
GAXX3

Tot Ion: 91 Resp: 6275

Ion Ratio Lower Upper

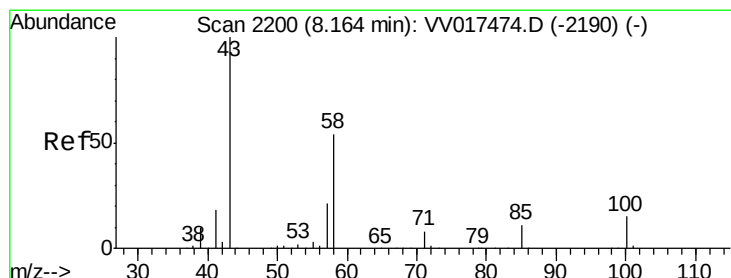
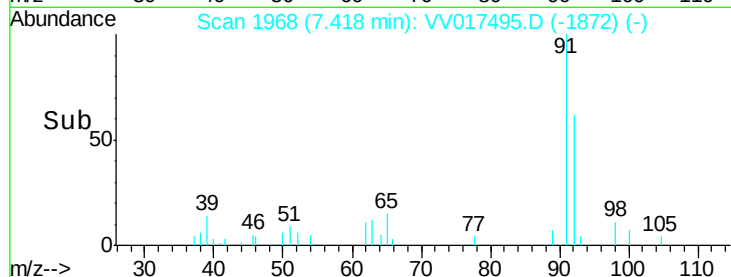
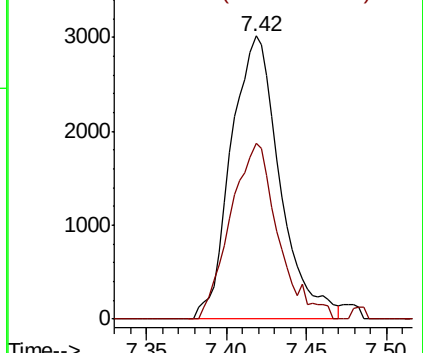
91 100

92 62.0 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#50

2-Hexanone

Concen: 0.810 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VV017495.D

Acq: 14 Jul 2020 20:02

Tgt Ion: 43 Resp: 2459

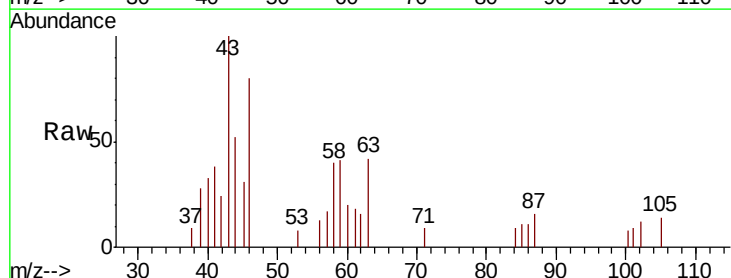
Ion Ratio Lower Upper

43 100

58 0.0 43.0 64.4#

57 14.7 16.8 25.2#

100 3.9 11.8 17.6#

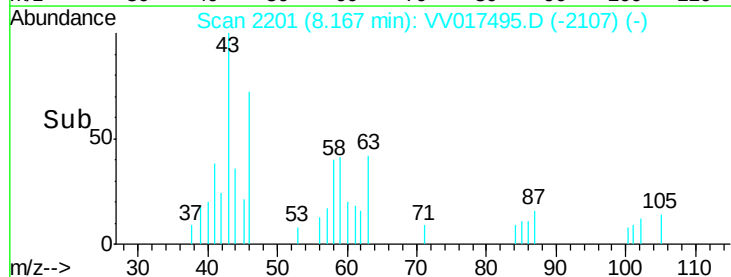
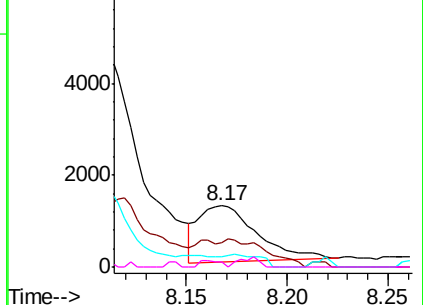


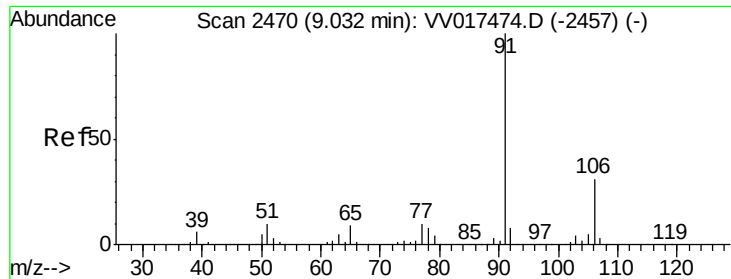
Abundance Ion 43.05 (42.75 to 43.75): VV0

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

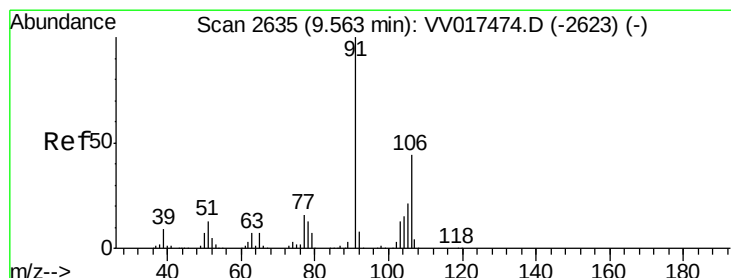
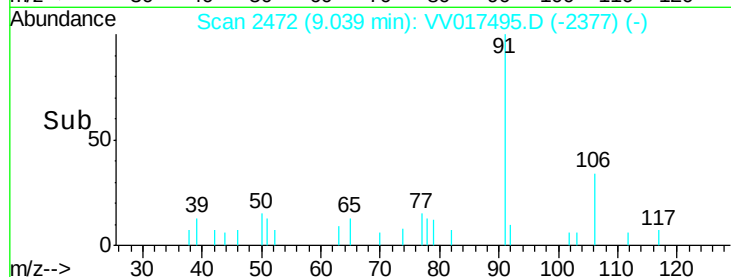
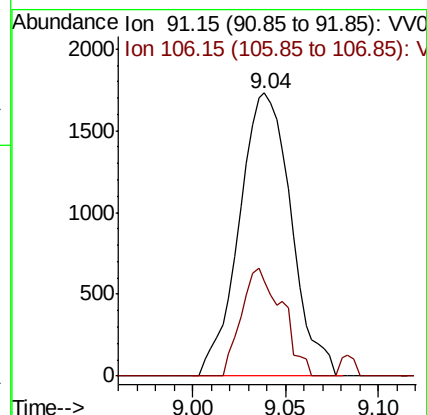
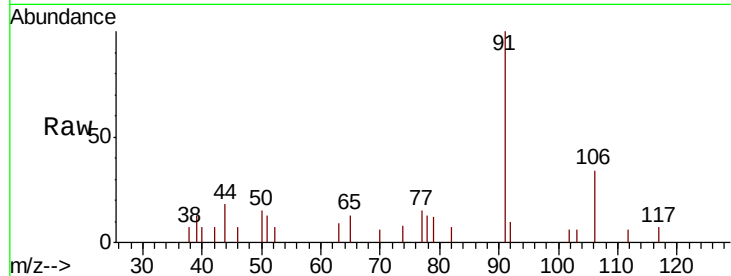




#54
Ethylbenzene
Concen: 0.079 ug/L
RT: 9.04 min Scan# 2472
Delta R.T. 0.01 min
Lab File: VV017495.D
Acq: 14 Jul 2020 20:02

Instrument :
MSVOA_V
ClientSampleId :
GAXX3

Tot Ion: 91 Resp: 3380
Ion Ratio Lower Upper
91 100
106 33.7 21.9 40.7



#56
o-xylene
Concen: 0.084 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017495.D
Acq: 14 Jul 2020 20:02

Tgt Ion: 106 Resp: 1315
Ion Ratio Lower Upper
106 100
91 222.3 158.8 294.8

