

Data File : VU034782.D
Acq On : 24 Sep 2019 19:33
Operator : JC/SP
Sample : K4993-04MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETOH7MSD

Quant Time: Sep 25 03:05:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 25 02:59:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	605563	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	562420	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	246298	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	213571	34.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.90%
7) Chloroethane-d5	1.67	69	194056	40.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.00%
11) 1,1-Dichloroethene-d2	2.26	63	408336	38.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.78%
21) 2-Butanone-d5	4.15	46	460904	97.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.01%
24) Chloroform-d	4.62	84	396714	44.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.04%
26) 1,2-Dichloroethane-d4	5.28	65	276931	41.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.60%
32) Benzene-d6	5.31	84	838863	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.24%
36) 1,2-Dichloropropane-d6	6.31	67	298712	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.06%
41) Toluene-d8	7.54	98	797289	48.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.14%
43) trans-1,3-Dichloropropene-	7.83	79	135102	46.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.60%
47) 2-Hexanone-d5	8.29	63	304470	99.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.49%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	404411	47.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.66%
64) 1,2-Dichlorobenzene-d4	11.84	152	270081	52.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.58%

Target Compounds

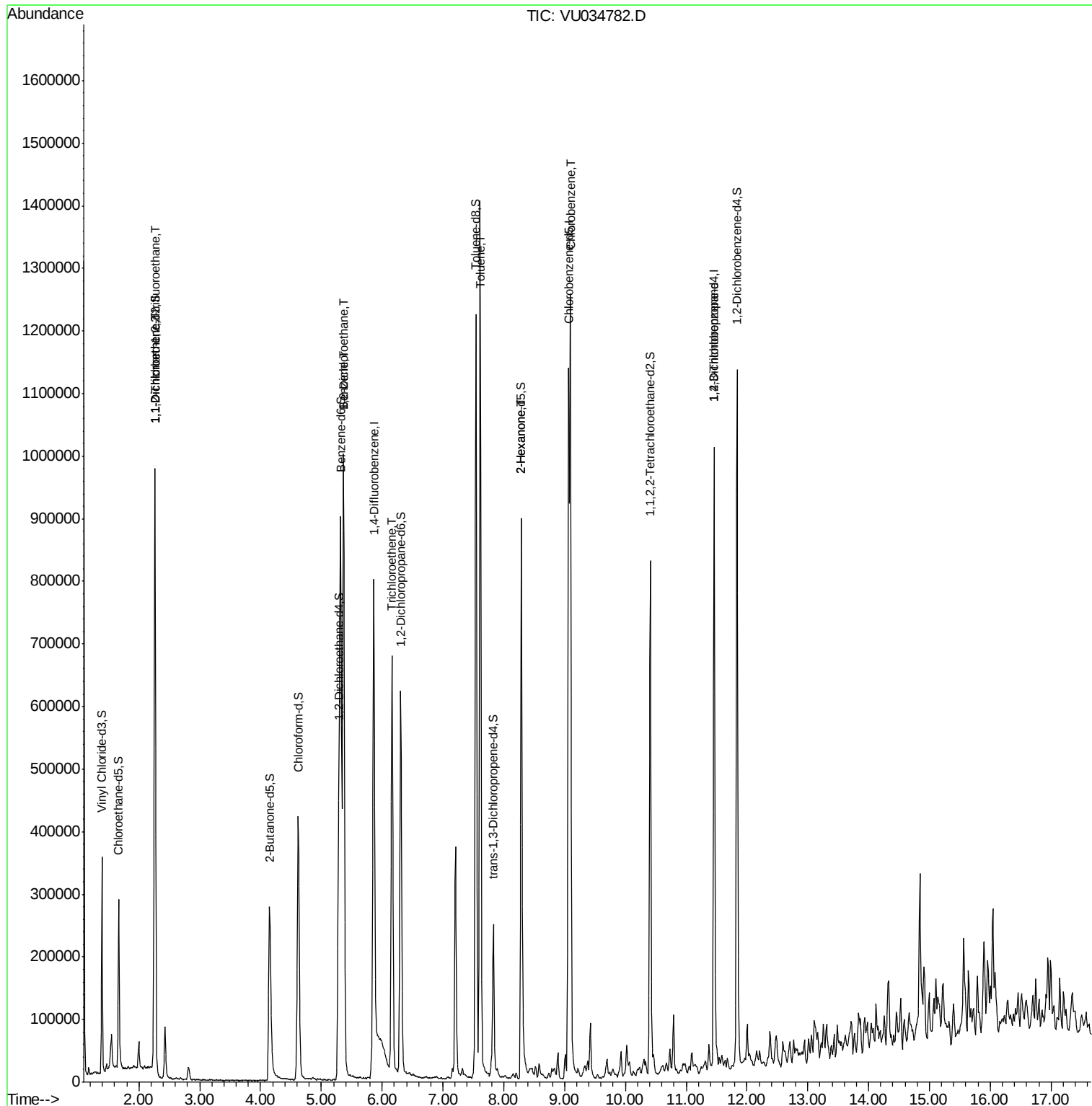
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	3176	0.769 ug/L #	23
12) 1,1-Dichloroethene	2.27	96	190699	48.132 ug/L	84
27) 1,2-Dichloroethane	5.36	62	8256	0.977 ug/L #	81
33) Benzene	5.36	78	927438	47.546 ug/L	100
34) Trichloroethene	6.16	95	222870	46.264 ug/L	92
42) Toluene	7.61	91	986702	46.806 ug/L	98
48) 2-Hexanone	8.29	43	48349	5.583 ug/L #	65
51) Chlorobenzene	9.10	112	608730	47.502 ug/L	95
59) 1,2,3-Trichloropropane	11.46	75	34125	4.704 ug/L	90

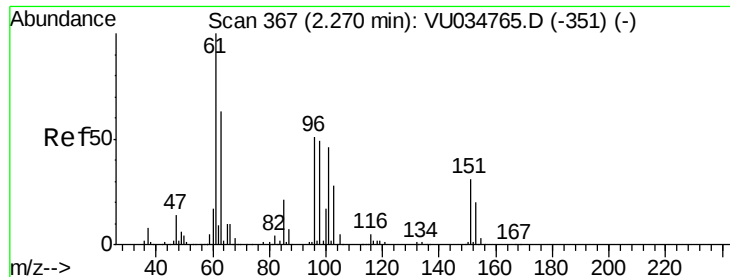
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.769 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU034782.D

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Instrument :

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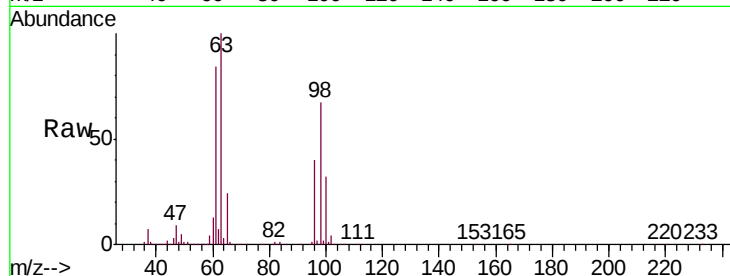
Tgt Ion: 101 Resp: 3176

Ion Ratio Lower Upper

101 100

85 2.1 39.0 58.4#

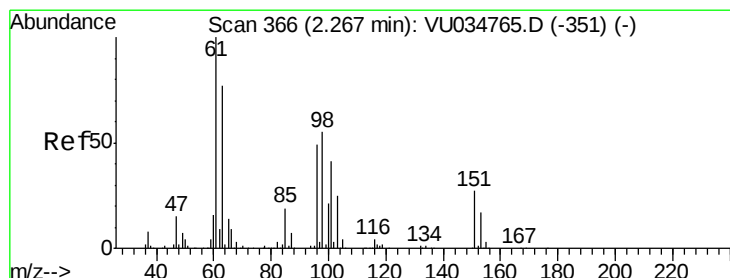
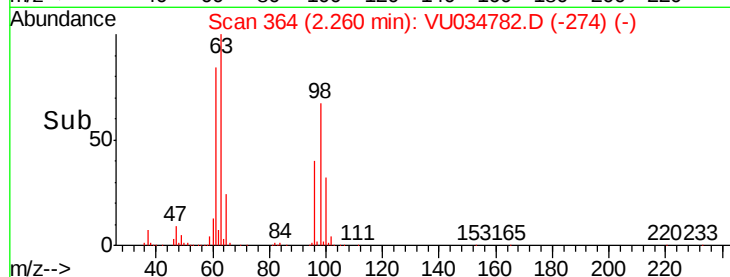
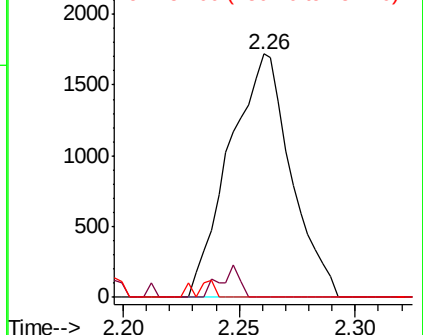
151 0.0 52.8 79.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.132 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU034782.D

Acq: 24 Sep 2019 19:33

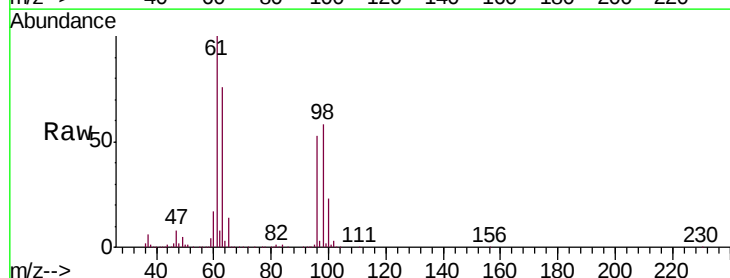
Tgt Ion: 96 Resp: 190699

Ion Ratio Lower Upper

96 100

61 190.1 153.2 284.4

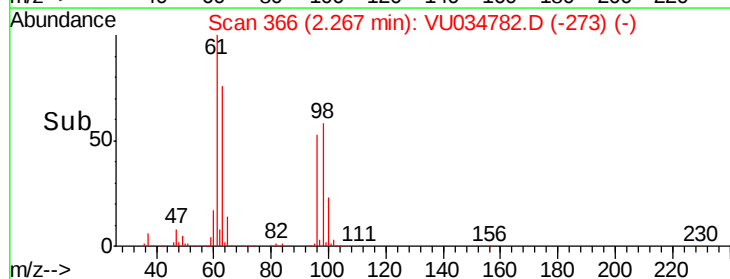
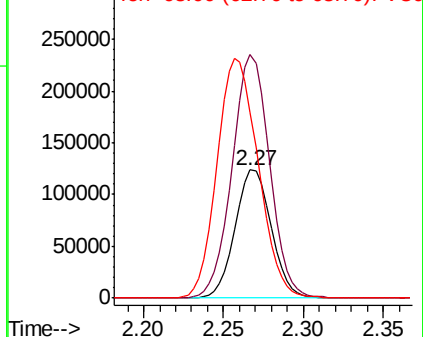
63 145.4 113.8 211.3

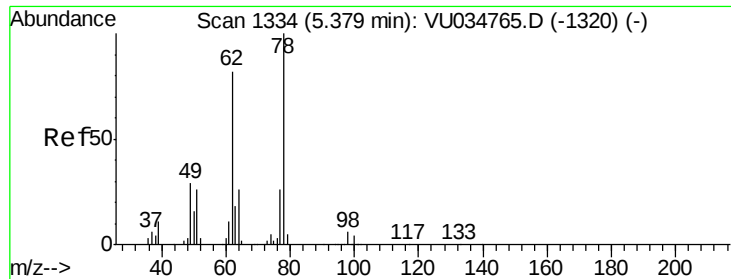


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

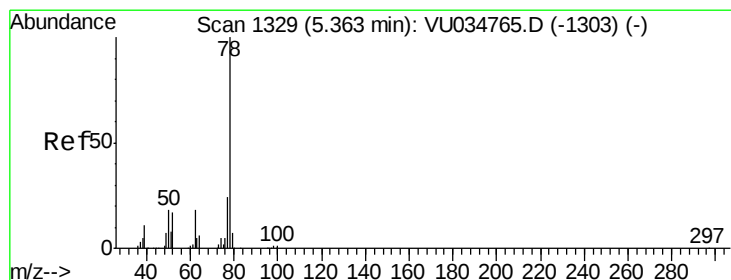
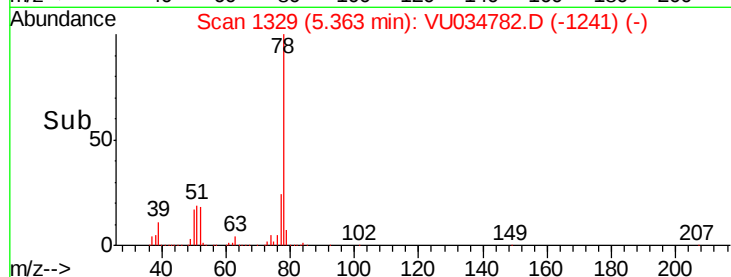
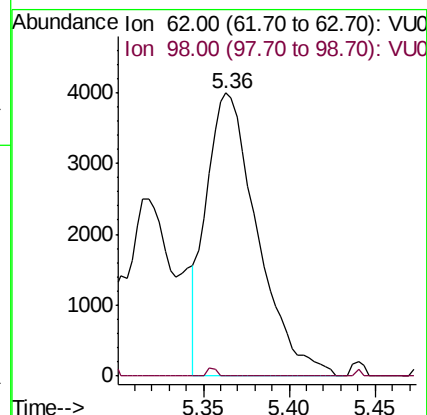
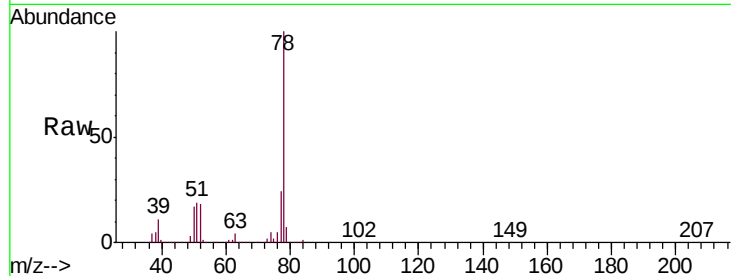




#27
 1,2-Dichloroethane
 Concen: 0.977 ug/L
 RT: 5.36 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VU034782.D
 Acq: 24 Sep 2019 19:33

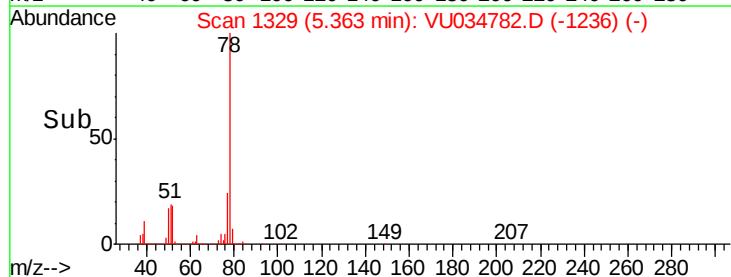
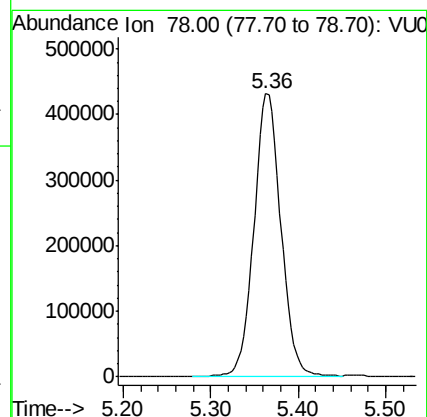
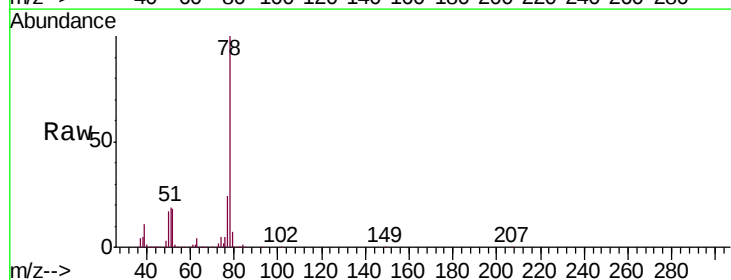
Instrument :
 MSVOA_U
 ClientSampleId :
 ETOH7MSD

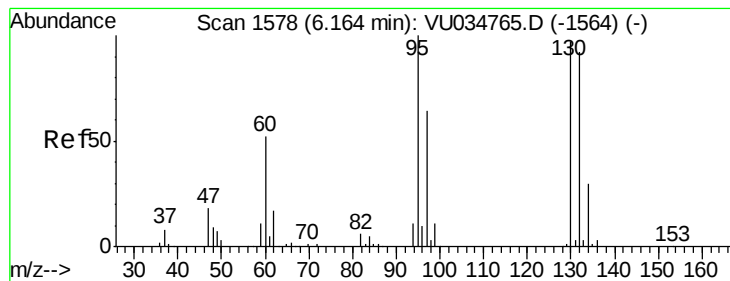
Tgt Ion: 62 Resp: 8256
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.3 7.9#



#33
 Benzene
 Concen: 47.546 ug/L
 RT: 5.36 min Scan# 1329
 Delta R.T. -0.00 min
 Lab File: VU034782.D
 Acq: 24 Sep 2019 19:33

Tgt Ion: 78 Resp: 927438





#34

Trichloroethene

Concen: 46.264 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034782.D

Acq: 24 Sep 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

ETOH7MSD

Tgt Ion: 95 Resp: 222870

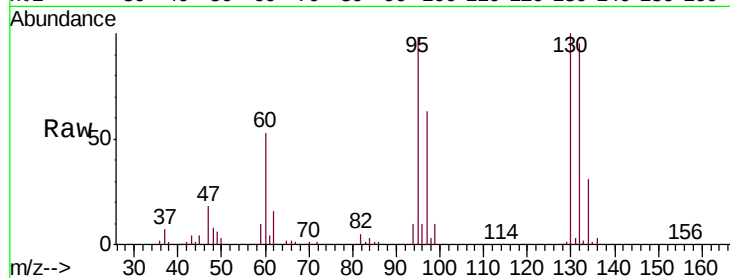
Ion Ratio Lower Upper

95 100

97 64.4 43.7 81.1

132 96.8 61.0 113.2

130 102.3 65.7 121.9

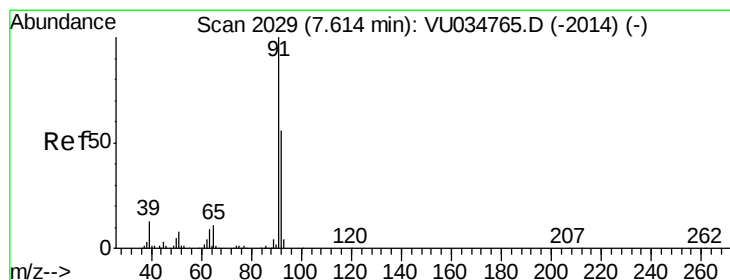
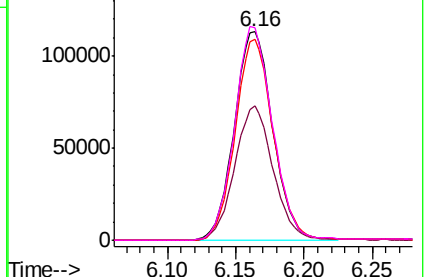
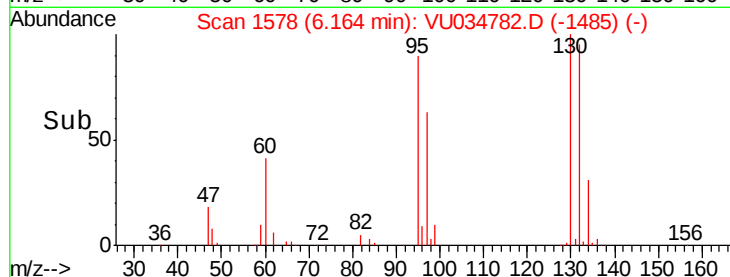


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

Toluene

Concen: 46.806 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034782.D

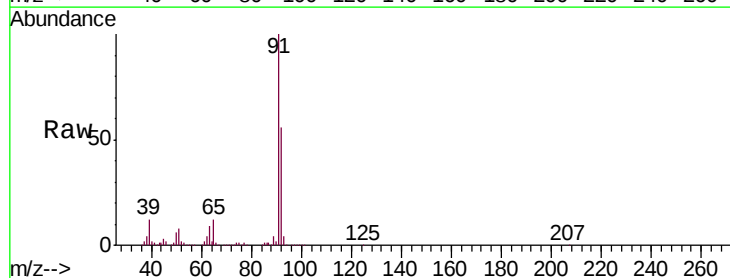
Acq: 24 Sep 2019 19:33

Tgt Ion: 91 Resp: 986702

Ion Ratio Lower Upper

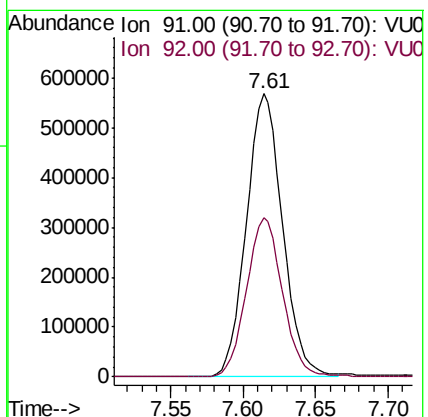
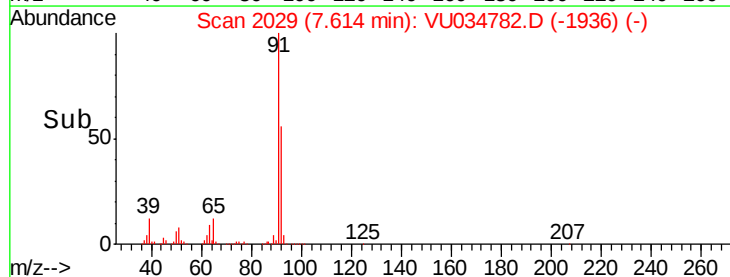
91 100

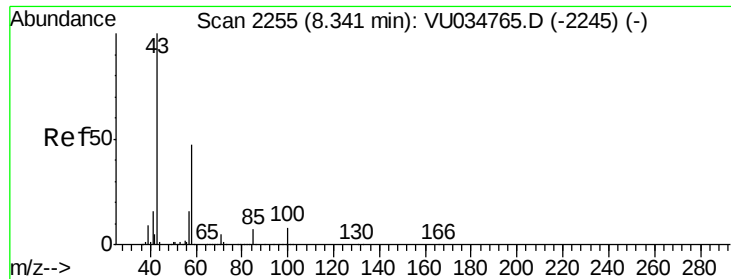
92 56.3 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

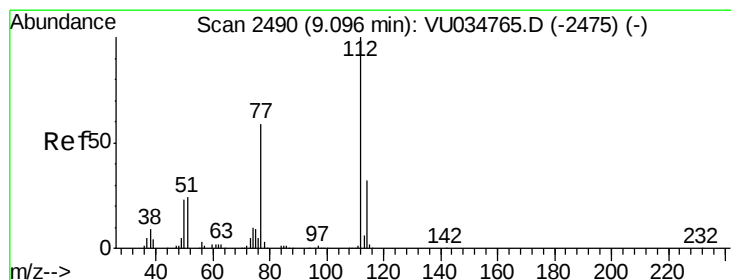
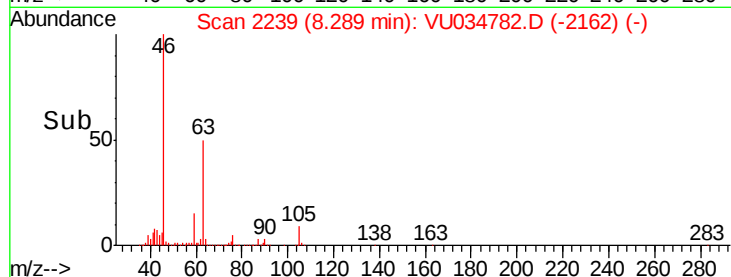
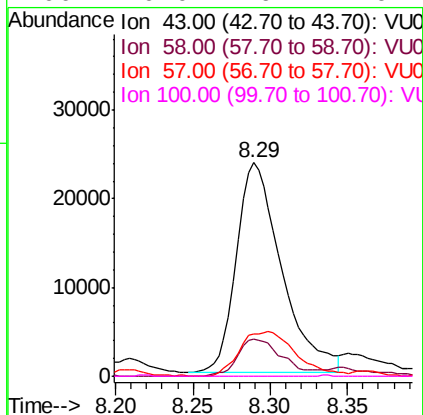
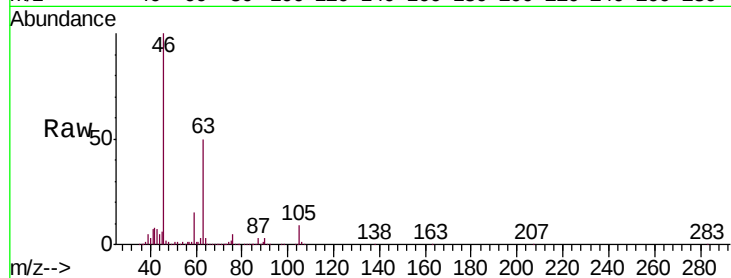




#48
2-Hexanone
Concen: 5.583 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.05 min
Lab File: VU034782.D
Acq: 24 Sep 2019 19:33

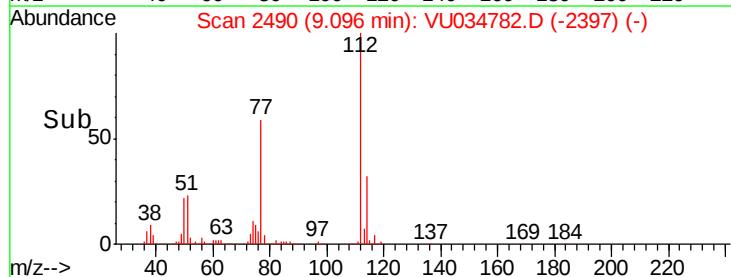
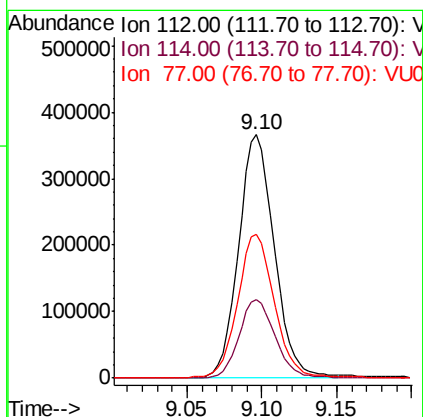
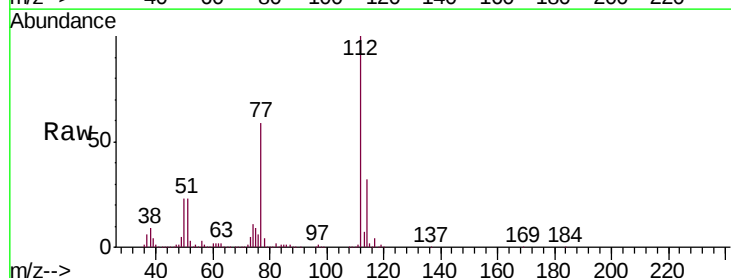
Instrument :
MSVOA_U
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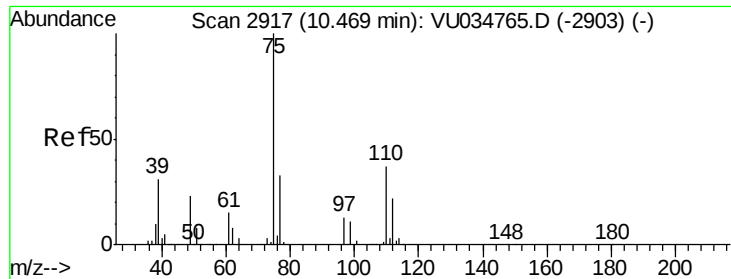
Tgt Ion:	43	Resp:	48349
Ion	Ratio	Lower	Upper
43	100		
58	14.5	35.3	52.9#
57	10.0	12.1	18.1#
100	0.0	6.2	9.4#



#51
Chlorobenzene
Concen: 47.502 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034782.D
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Tgt Ion:	112	Resp:	608730
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.8	42.4
77	59.2	51.5	77.3





#59

1,2,3-Trichloropropane

Concen: 4.704 ug/L

RT: 11.46 min Scan# 3225

Delta R.T. 0.99 min

Lab File: VU034782.D

Acq: 24 Sep 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

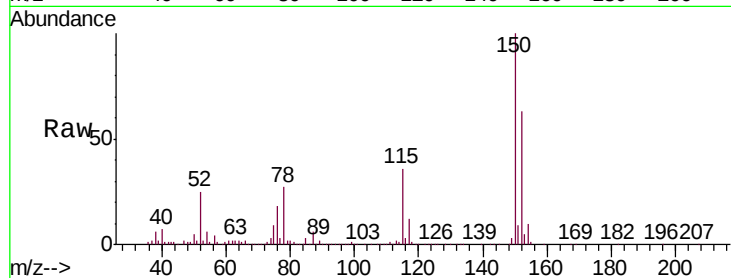
ETOH7MSD

Tgt Ion: 75 Resp: 34125

Ion Ratio Lower Upper

75 100

77 36.3 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

