

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035407.D
 Acq On : 23 Oct 2019 13:43
 Operator : JC/SP
 Sample : K5461-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 17:19:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 17:16:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	230088	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	233189	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	78978	5.00	ug/L	0.00

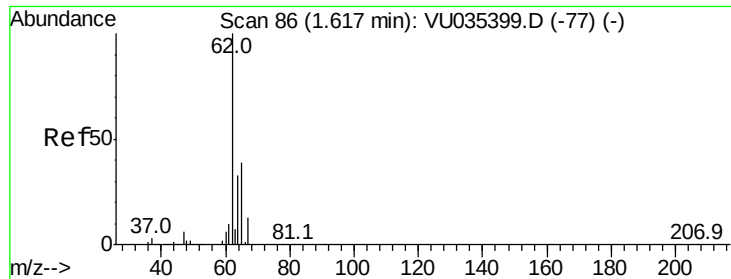
System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	65123	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.94	69	66301	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.59	63	90719	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	4.71	46	230002	57.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.10%
24) Chloroform-d	5.11	84	141186	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
26) 1,2-Dichloroethane-d4	5.75	65	82089	5.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.60%
32) Benzene-d6	5.77	84	269505	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.74	67	95797	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.20%
41) Toluene-d8	7.93	98	223501	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.22	79	33146	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.69	63	169213	46.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.38%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	82455	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	75413	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	216894	10.872	ug/L	99
8) Chloroethane	1.95	64	5400	0.420	ug/L	91
13) Acetone	2.67	43	3078	1.098	ug/L	64
17) Methyl tert-butyl Ether	3.43	73	417892	10.504	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	95280	5.973	ug/L	96
19) 1,1-Dichloroethane	3.92	63	28825	0.999	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	21956	1.245	ug/L	99
25) Chloroform	5.14	83	6558	0.207	ug/L	91
33) Benzene	5.82	78	22967	0.335	ug/L	100
35) Methylcyclohexane	6.74	83	21385	0.694	ug/L #	18
42) Toluene	8.01	91	29589	0.391	ug/L	90
48) 2-Hexanone	8.73	43	13754	1.668	ug/L #	47
59) 1,2,3-Trichloropropane	11.84	75	10051	0.828	ug/L	94

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



#5

Vinyl chloride

Concen: 10.872 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

Instrument :

MSVOA_U

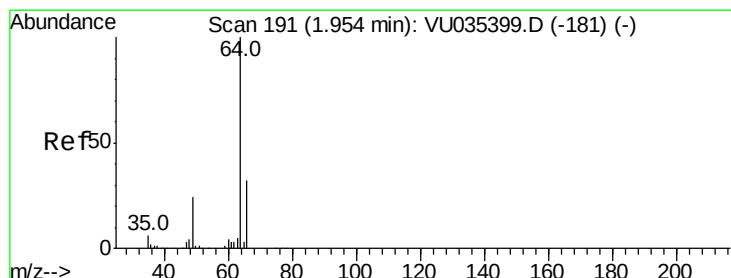
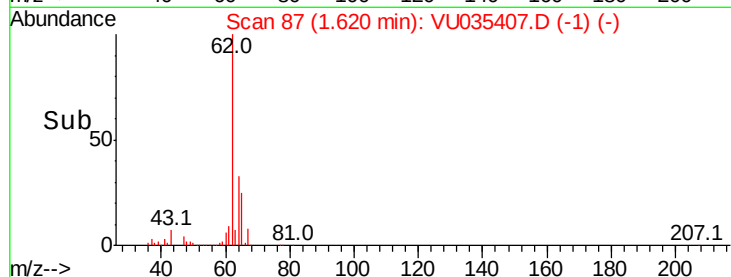
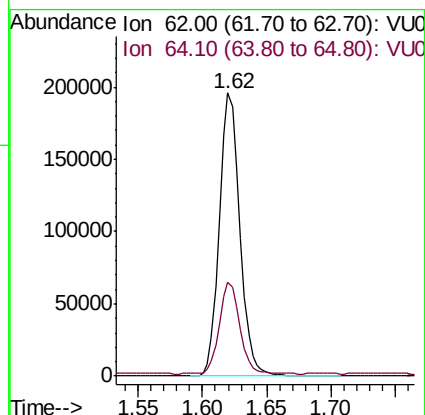
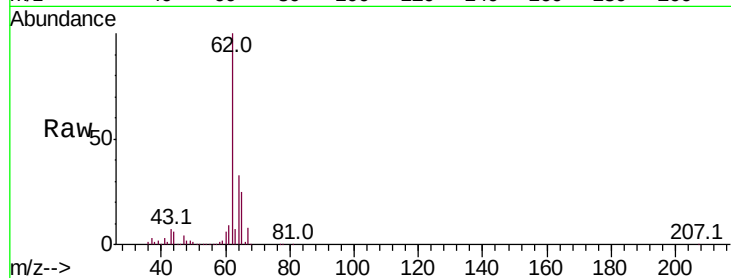
ClientSampleId :

Tot Ion: 62 Resp: 216894

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



#8

Chloroethane

Concen: 0.420 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035407.D

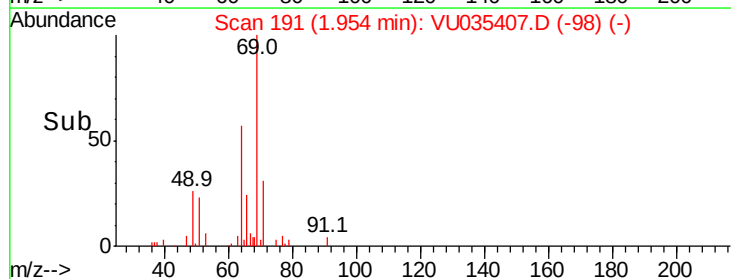
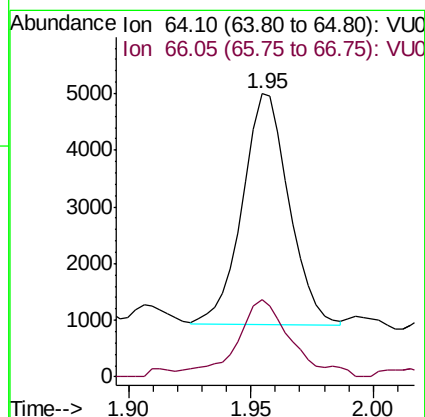
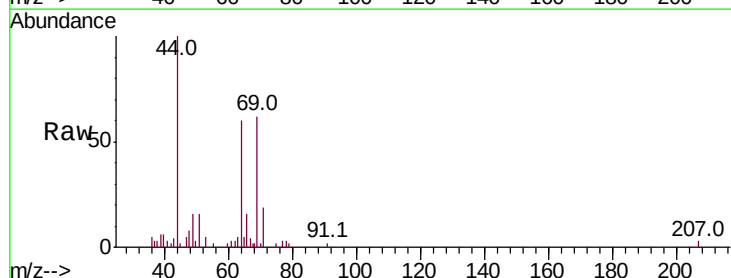
Acq: 23 Oct 2019 13:43

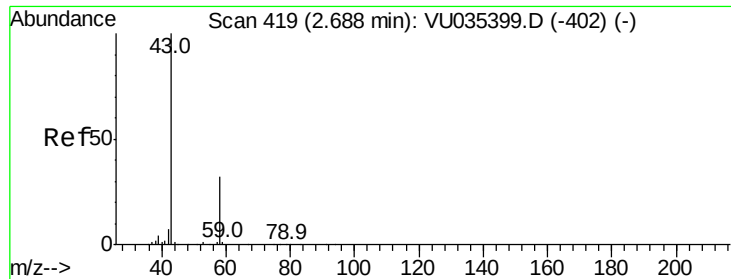
Tgt Ion: 64 Resp: 5400

Ion Ratio Lower Upper

64 100

66 27.1 22.7 42.1





#13

Acetone

Concen: 1.098 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

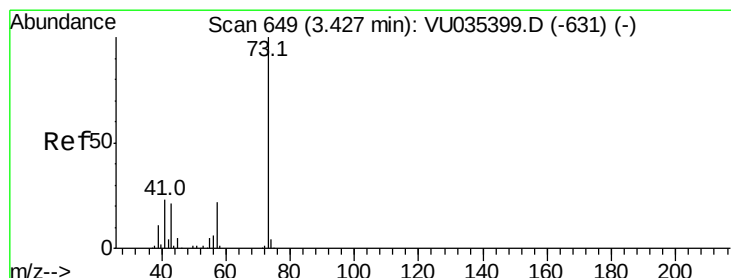
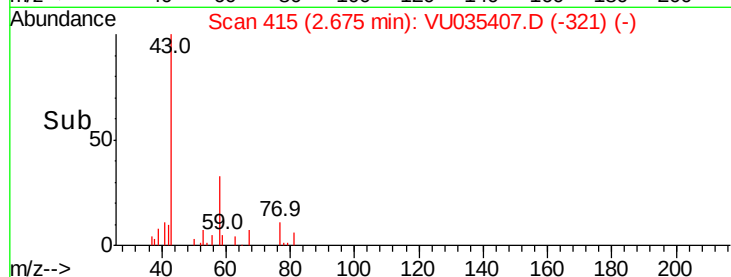
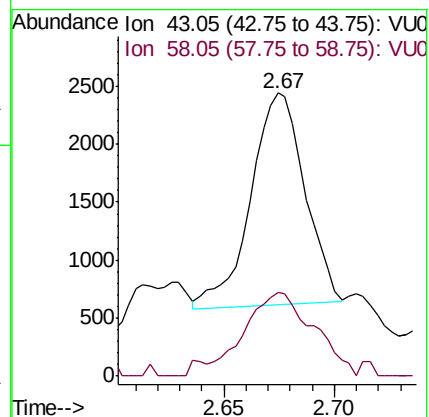
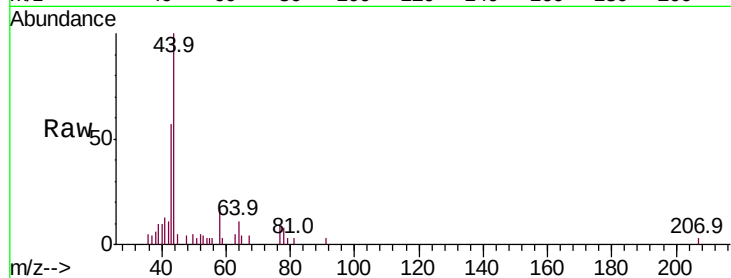
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 3078

Ion Ratio Lower Upper

43 100

58 50.5 0.0 61.8



#17

Methyl tert-butyl Ether

Concen: 10.504 ug/L

RT: 3.43 min Scan# 650

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

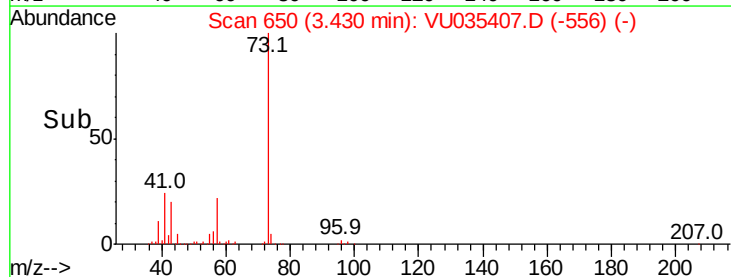
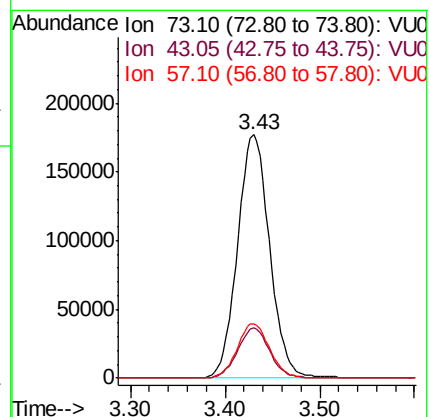
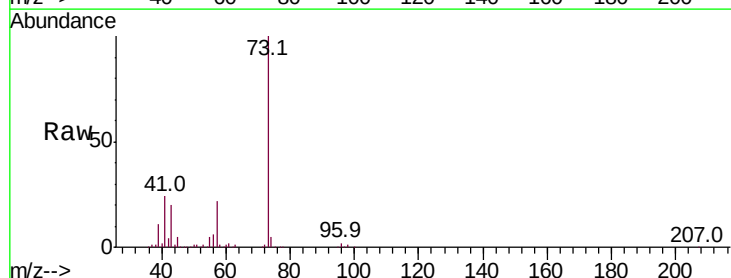
Tgt Ion: 73 Resp: 417892

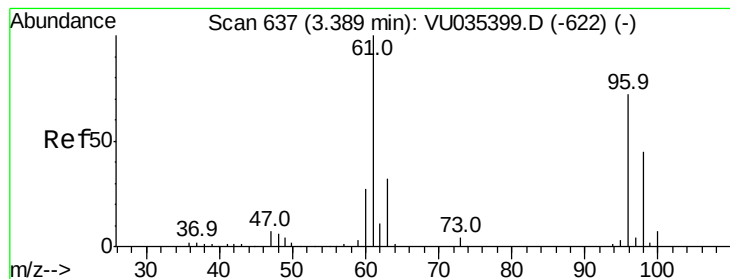
Ion Ratio Lower Upper

73 100

43 20.4 16.0 24.0

57 22.6 17.4 26.2





#18

trans-1,2-Dichloroethene

Concen: 5.973 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

Instrument :
MSVOA_U
ClientSampleId :

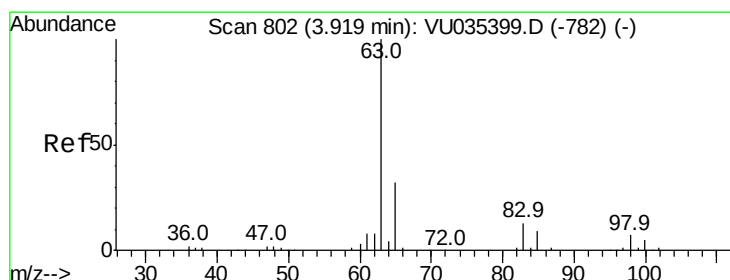
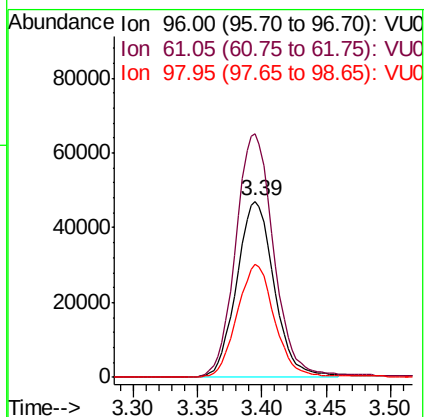
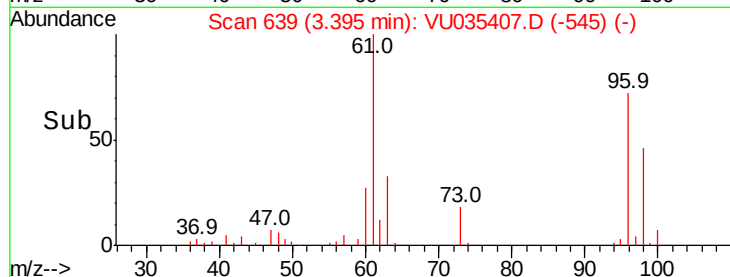
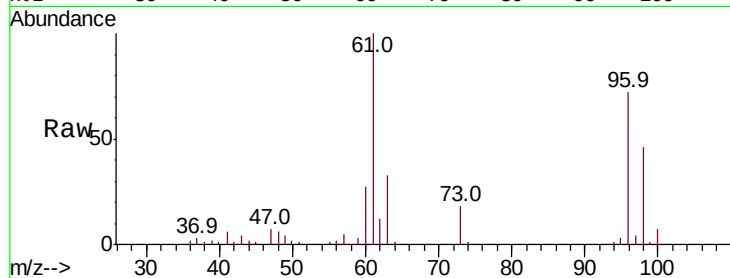
Tot Ion: 96 Resp: 95280

Ion Ratio Lower Upper

96 100

61 138.1 93.0 172.6

98 64.1 43.7 81.1



#19

1,1-Dichloroethane

Concen: 0.999 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

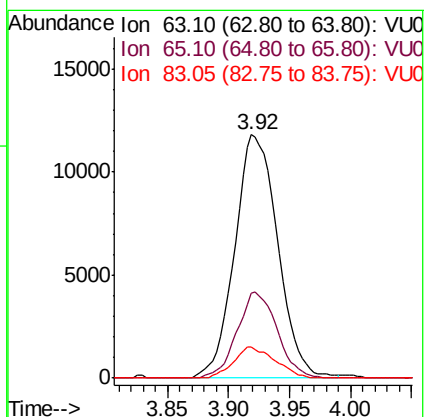
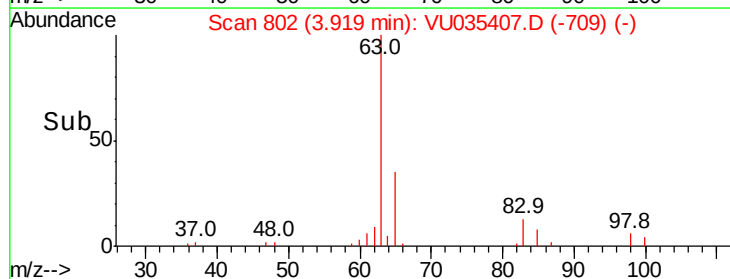
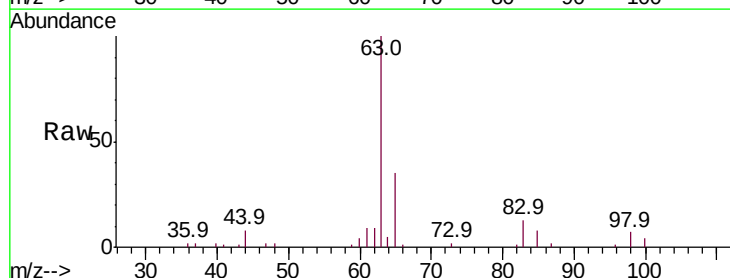
Tgt Ion: 63 Resp: 28825

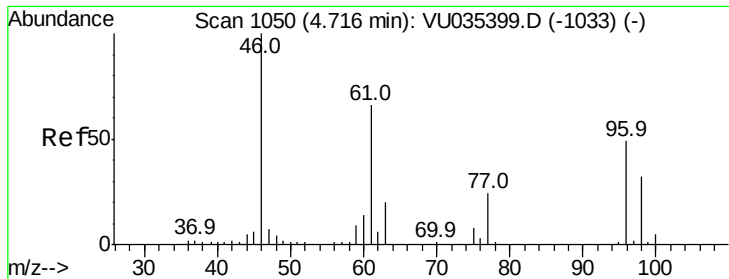
Ion Ratio Lower Upper

63 100

65 34.6 22.4 41.6

83 12.8 9.3 17.3





#22

cis-1,2-Dichloroethene

Concen: 1.245 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

Instrument :
MSVOA_U
ClientSampleId :

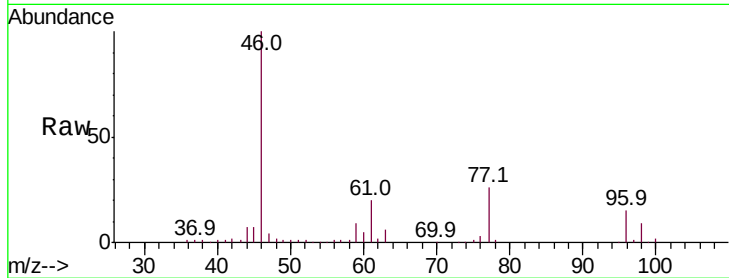
Tot Ion: 96 Resp: 21956

Ion Ratio Lower Upper

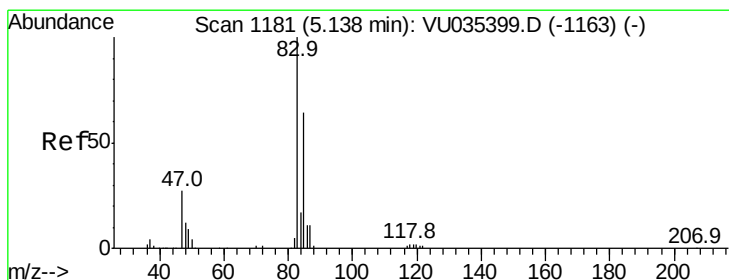
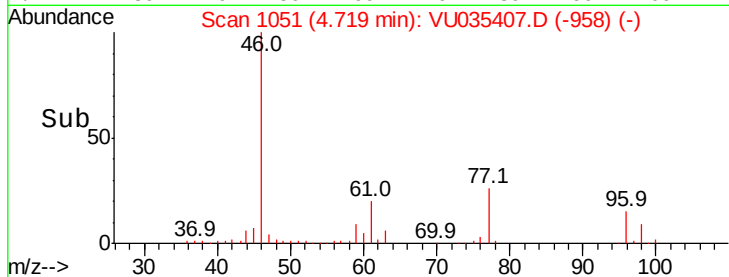
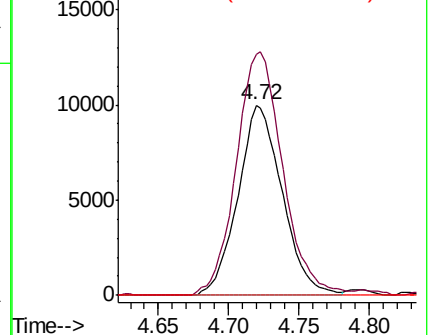
96 100

61 127.2 89.7 166.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.207 ug/L

RT: 5.14 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VU035407.D

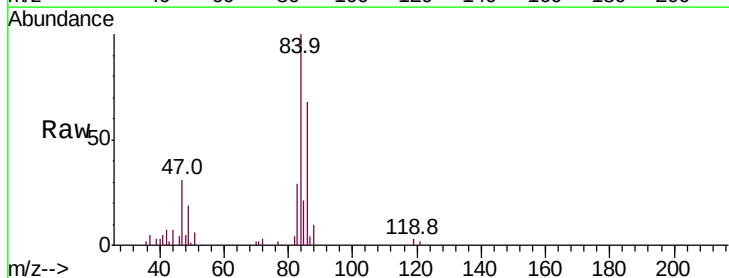
Acq: 23 Oct 2019 13:43

Tgt Ion: 83 Resp: 6558

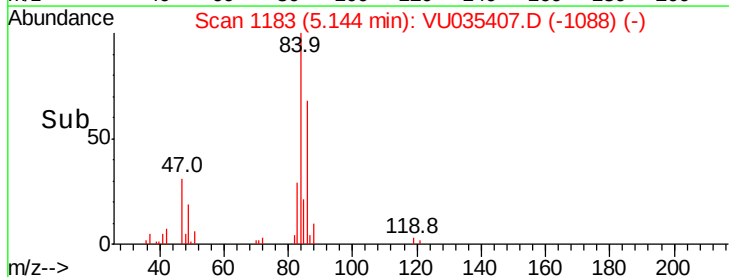
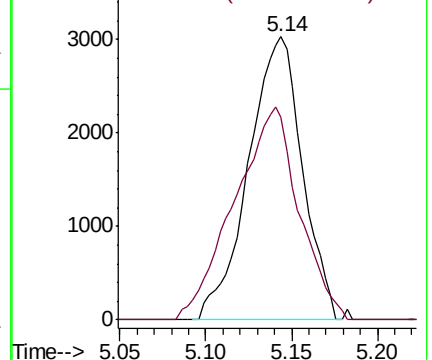
Ion Ratio Lower Upper

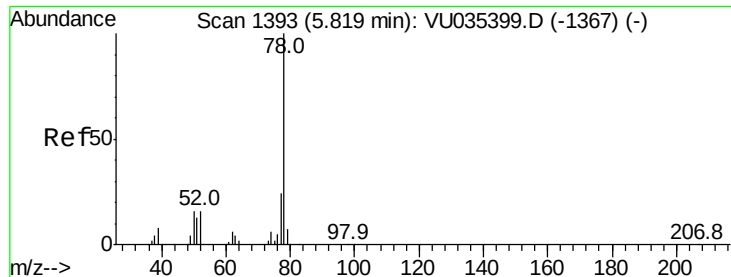
83 100

85 71.6 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.335 ug/L

RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU035407.D

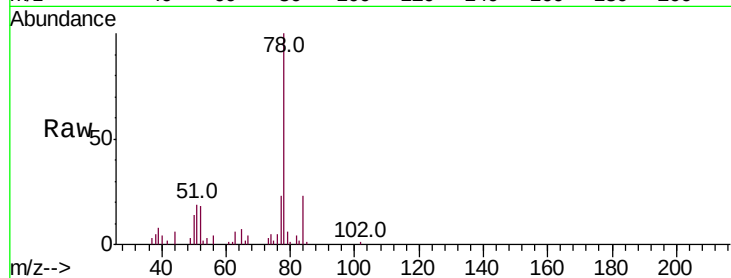
Acq: 23 Oct 2019 13:43

Instrument :

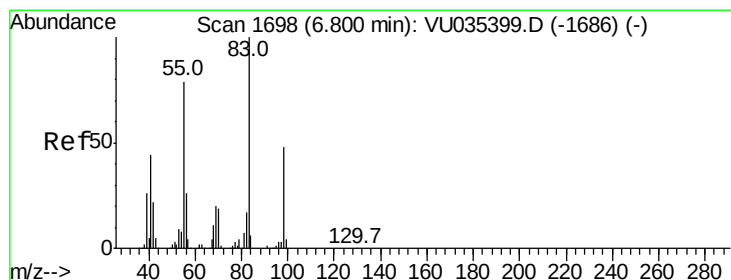
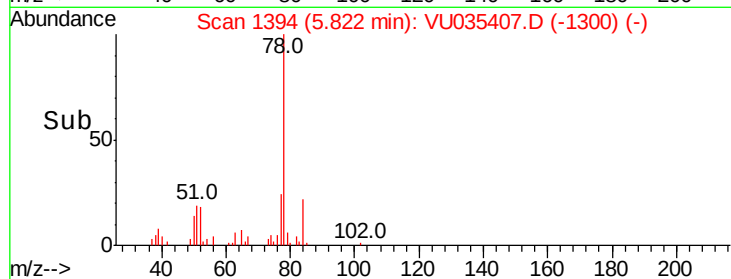
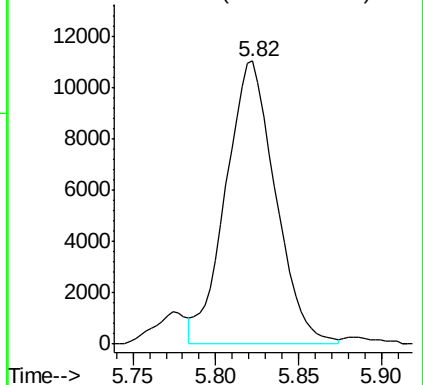
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 22967



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.694 ug/L

RT: 6.74 min Scan# 1679

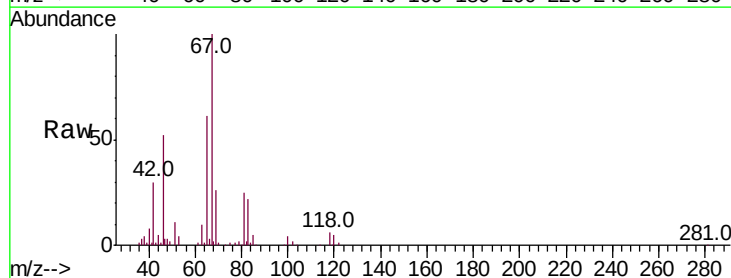
Delta R.T. -0.06 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

Tgt Ion: 83 Resp: 21385

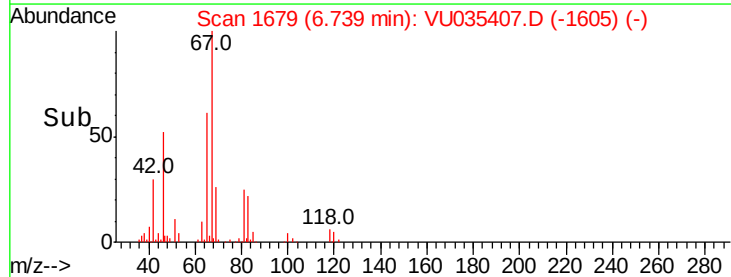
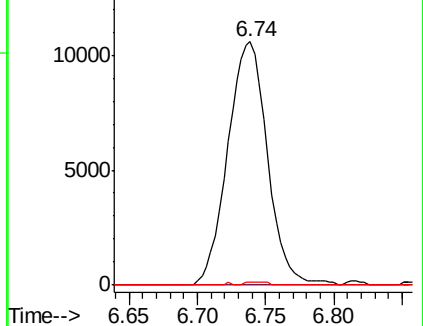
Ion	Ratio	Lower	Upper
83	100		
55	0.0	60.4	90.6#
98	0.7	39.5	59.3#

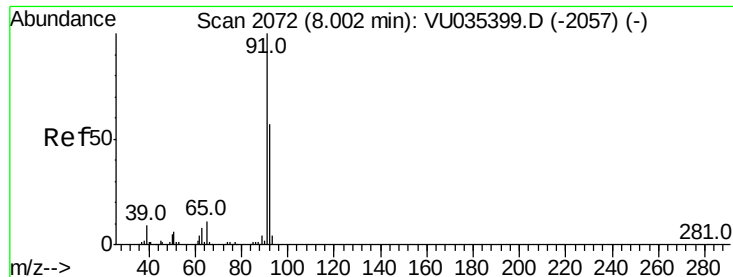


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#42

Toluene

Concen: 0.391 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

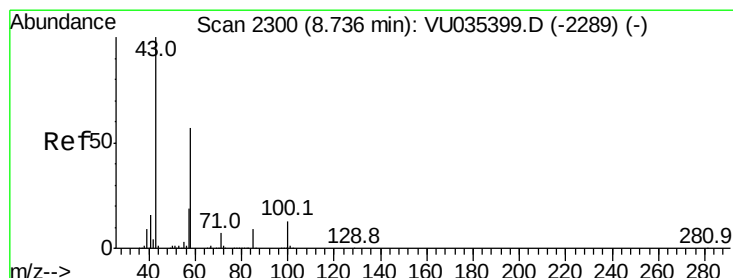
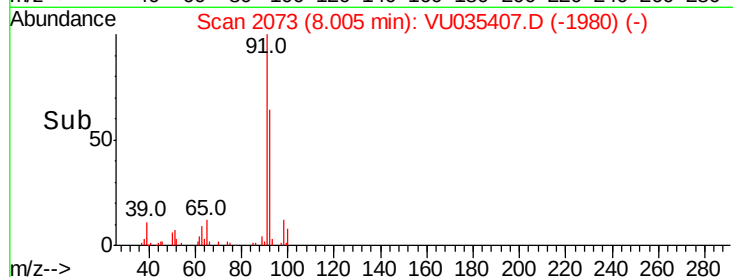
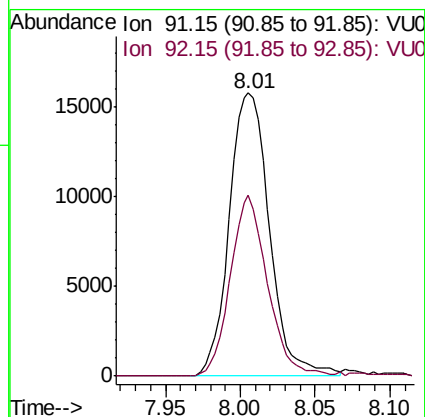
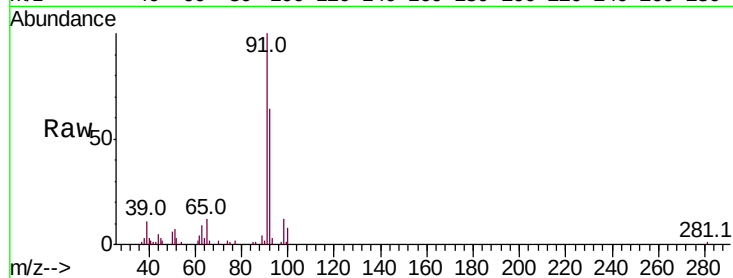
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 29589

Ion Ratio Lower Upper

91 100

92 64.0 39.9 74.1



#48

2-Hexanone

Concen: 1.668 ug/L

RT: 8.73 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

Tgt Ion: 43 Resp: 13754

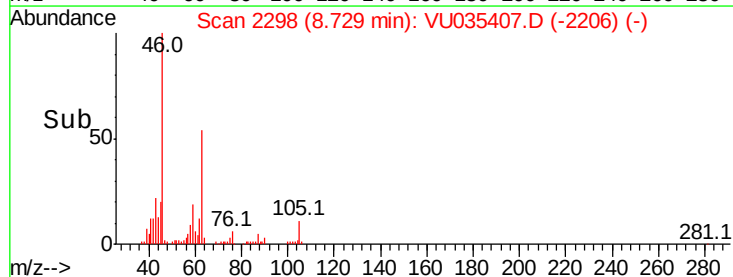
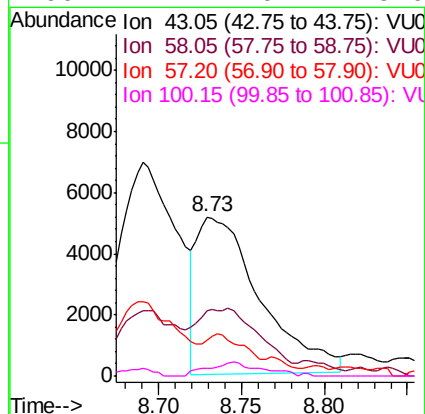
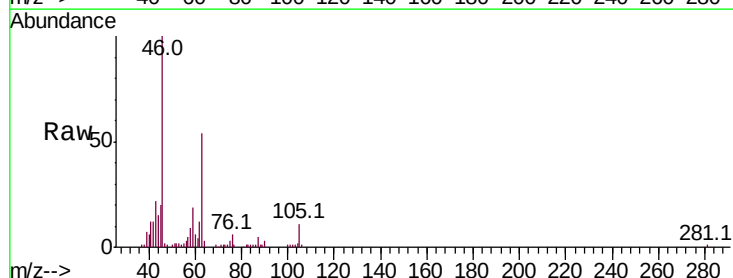
Ion Ratio Lower Upper

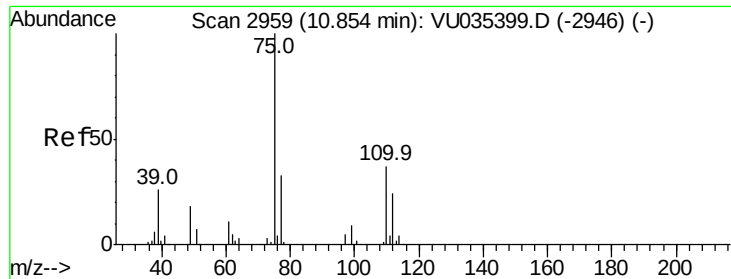
43 100

58 3.9 45.1 67.7#

57 9.4 16.0 24.0#

100 7.2 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.828 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 10051

Ion Ratio Lower Upper

75 100

77 36.3 26.2 39.2

