

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035405.D
 Acq On : 23 Oct 2019 12:56
 Operator : JC/SP
 Sample : K5461-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 17:19:35 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	233609	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	235342	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	77471	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	68223	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.93	69	70267	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	2.60	63	98361	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.70	46	251160	61.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.72%
24) Chloroform-d	5.11	84	145131	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.60%
26) 1,2-Dichloroethane-d4	5.75	65	85951	5.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.20%
32) Benzene-d6	5.77	84	284151	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.74	67	100712	5.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.80%
41) Toluene-d8	7.93	98	235895	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
43) trans-1,3-Dichloropropene-	8.22	79	35933	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.69	63	175363	47.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.90%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	89712	5.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	78687	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	181520	8.962	ug/L	99
12) 1,1-Dichloroethene	2.60	96	1046	0.070	ug/L #	1
13) Acetone	2.67	43	9568	3.360	ug/L	96
16) Methylene chloride	3.09	84	1283	0.071	ug/L	83
17) Methyl tert-butyl Ether	3.43	73	327146	8.099	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	8389	0.518	ug/L	93
19) 1,1-Dichloroethane	3.92	63	9782	0.334	ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	66699	3.726	ug/L	98
25) Chloroform	5.14	83	14161	0.441	ug/L	96
33) Benzene	5.82	78	8820	0.127	ug/L	100
34) Trichloroethene	6.58	95	4350	0.234	ug/L	84
35) Methylcyclohexane	6.74	83	22960	0.738	ug/L #	18
37) 1,2-Dichloropropane	6.74	63	10691	0.608	ug/L #	86
39) cis-1,3-Dichloropropene	7.61	75	2320	0.079	ug/L #	39
48) 2-Hexanone	8.69	43	16402	1.971	ug/L #	58
59) 1,2,3-Trichloropropane	11.84	75	9704	0.792	ug/L #	85

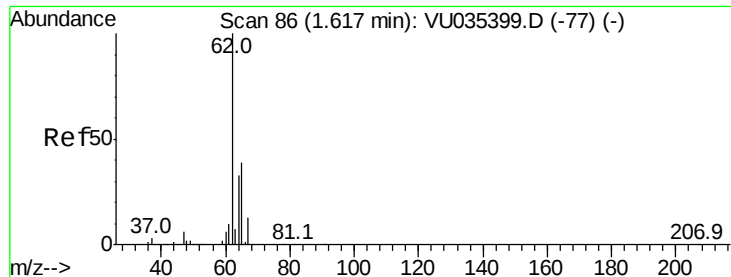
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102319\
Data File : VU035405.D
Acq On : 23 Oct 2019 12:56
Operator : JC/SP
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 17:16:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5

Vinyl chloride

Concen: 8.962 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035405.D

Acq: 23 Oct 2019 12:56

Instrument :

MSVOA_U

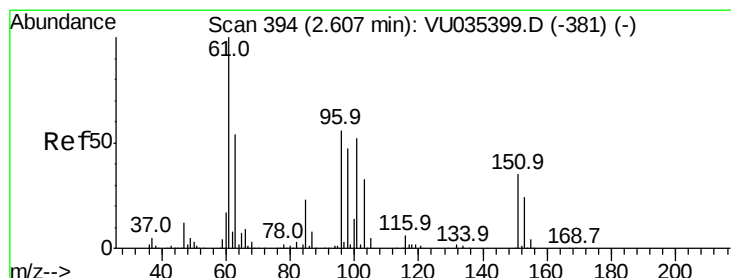
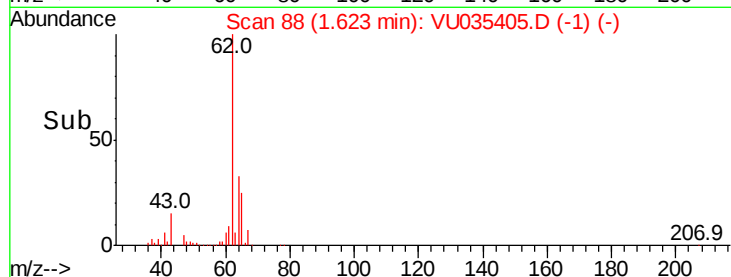
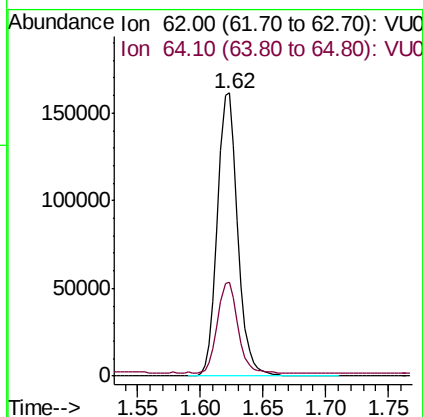
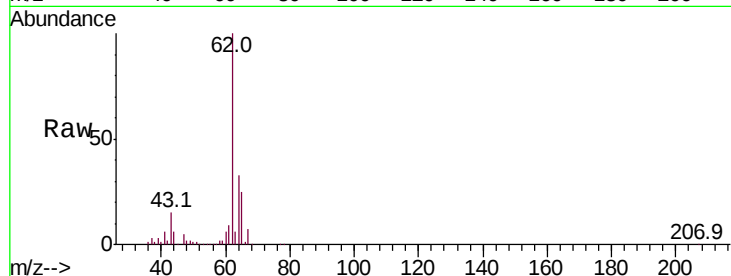
ClientSampleId :

Tot Ion: 62 Resp: 181520

Ion Ratio Lower Upper

62 100

64 33.2 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035405.D

Acq: 23 Oct 2019 12:56

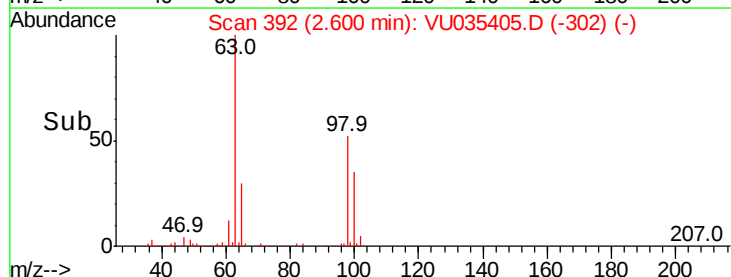
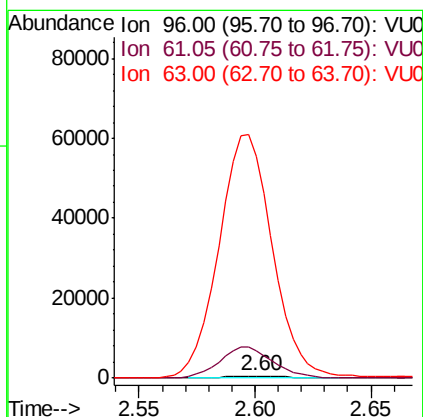
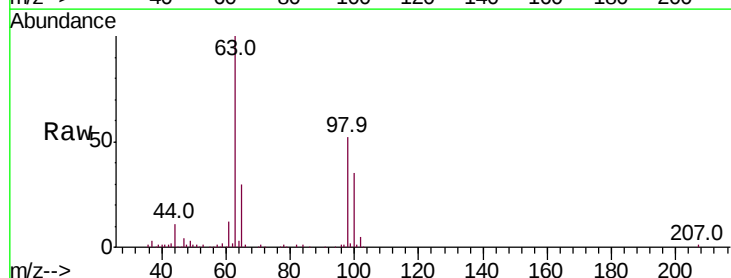
Tgt Ion: 96 Resp: 1046

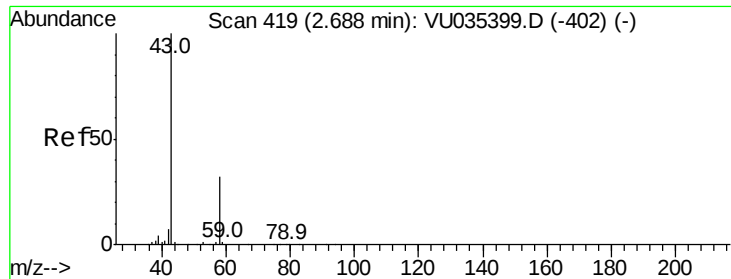
Ion Ratio Lower Upper

96 100

61 1181.0 120.6 224.0#

63 9590.3 86.8 161.2#





#13

Acetone

Concen: 3.360 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035405.D

Acq: 23 Oct 2019 12:56

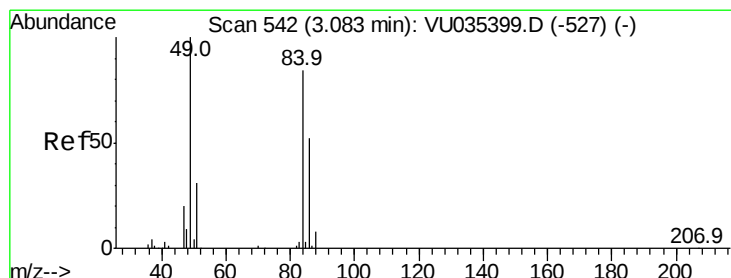
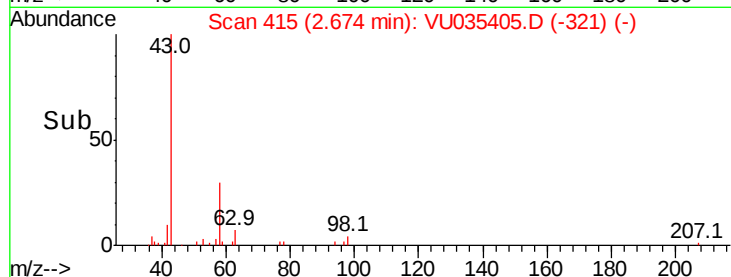
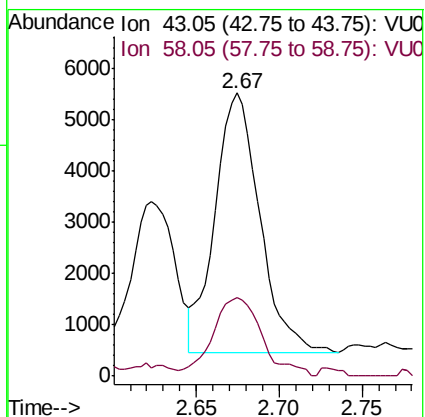
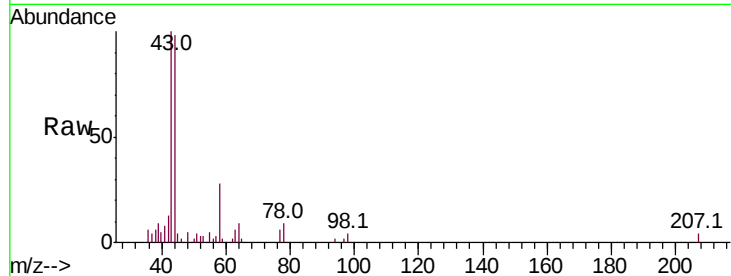
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 9568

Ion Ratio Lower Upper

43 100

58 33.2 0.0 61.8



#16

Methylene chloride

Concen: 0.071 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: VU035405.D

Acq: 23 Oct 2019 12:56

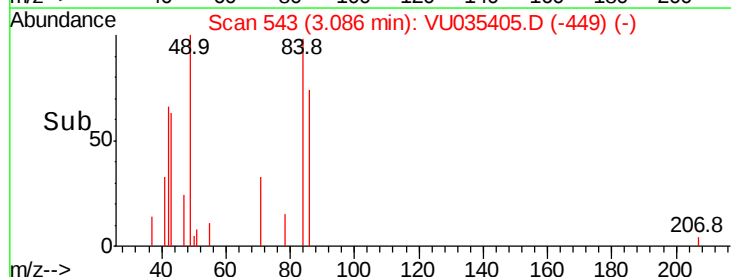
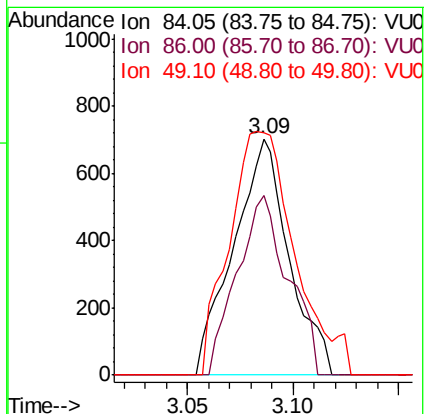
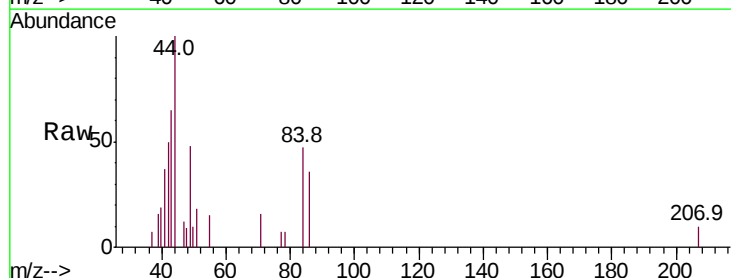
Tgt Ion: 84 Resp: 1283

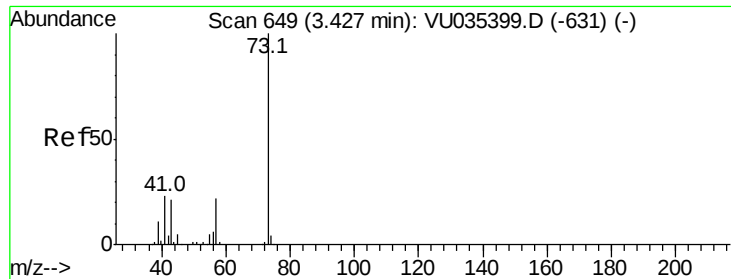
Ion Ratio Lower Upper

84 100

86 76.0 45.4 84.2

49 102.6 86.8 161.2



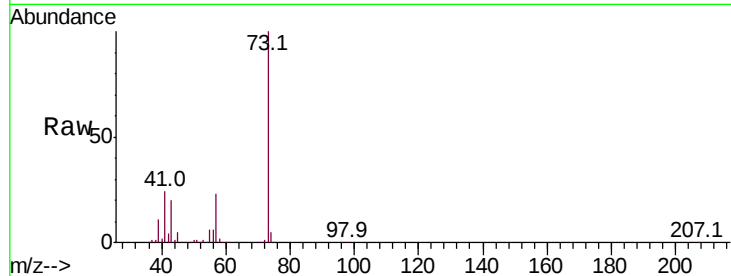


#17

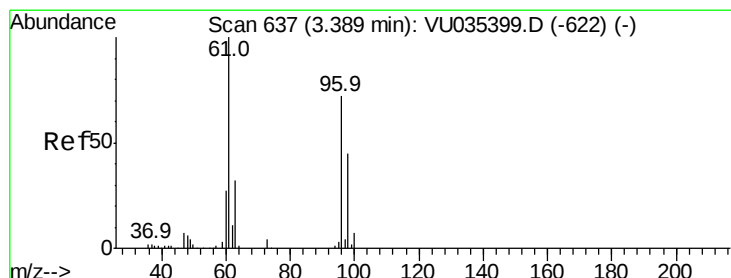
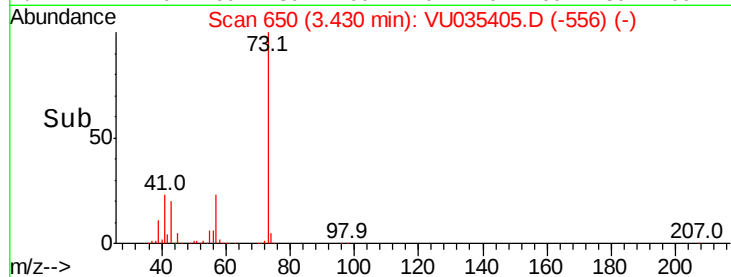
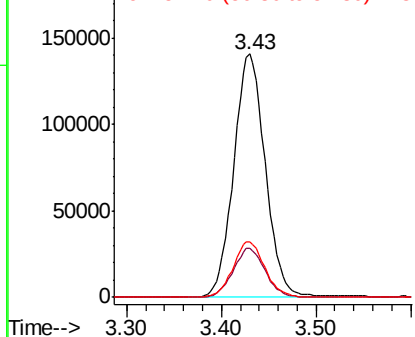
Methvl tert-butvl Ether
 Concen: 8.099 ug/L
 RT: 3.43 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: VU035405.D
 Acq: 23 Oct 2019 12:56

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 327146
 Ion Ratio Lower Upper
 73 100
 43 20.6 16.0 24.0
 57 23.1 17.4 26.2



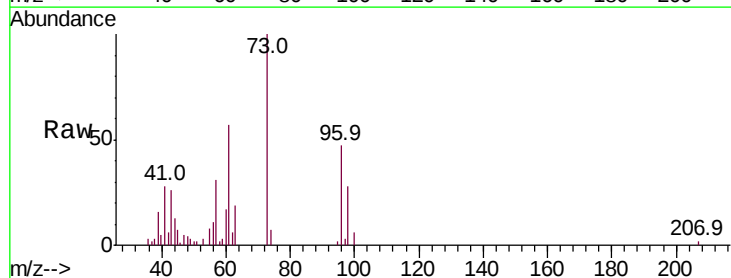
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



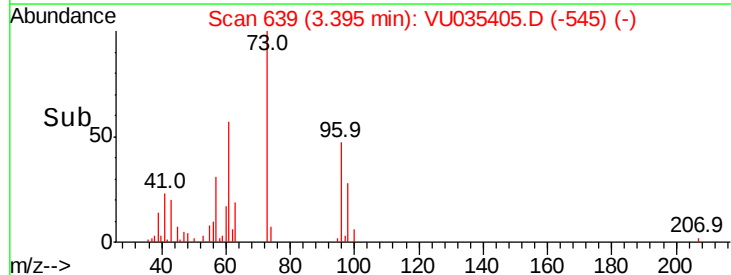
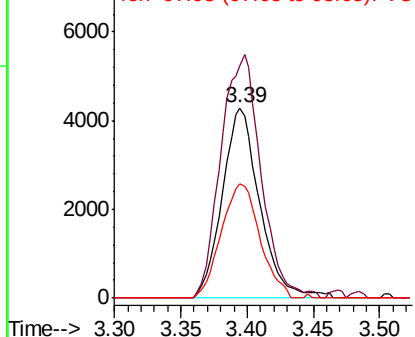
#18

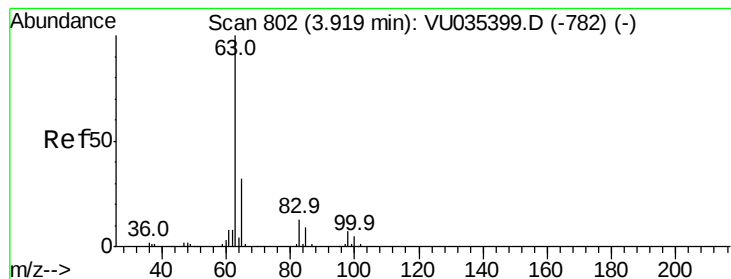
trans-1,2-Dichloroethene
 Concen: 0.518 ug/L
 RT: 3.39 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VU035405.D
 Acq: 23 Oct 2019 12:56

Tgt Ion: 96 Resp: 8389
 Ion Ratio Lower Upper
 96 100
 61 122.3 93.0 172.6
 98 59.9 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.334 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035405.D

Acq: 23 Oct 2019 12:56

Instrument :

MSVOA_U

ClientSampled :

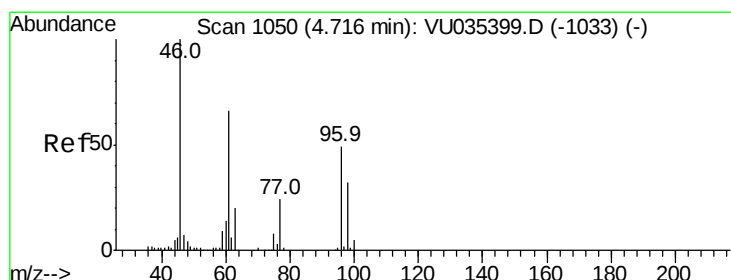
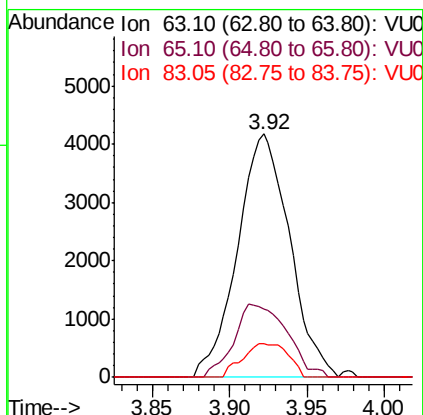
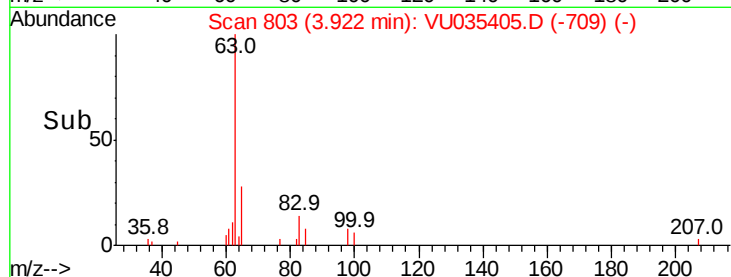
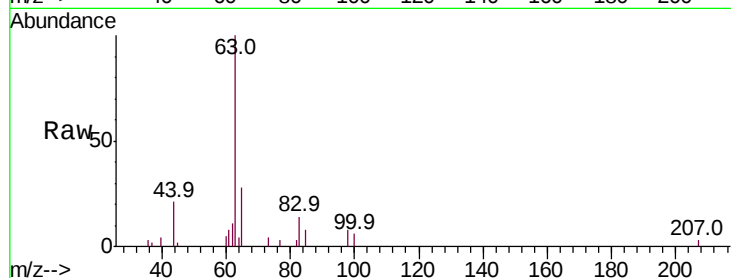
Tot Ion: 63 Resp: 9782

Ion Ratio Lower Upper

63 100

65 28.2 22.4 41.6

83 13.6 9.3 17.3



#22

cis-1,2-Dichloroethene

Concen: 3.726 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035405.D

Acq: 23 Oct 2019 12:56

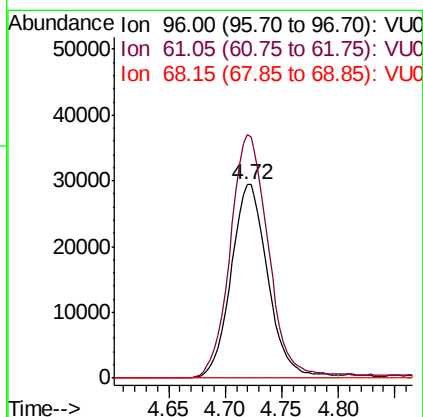
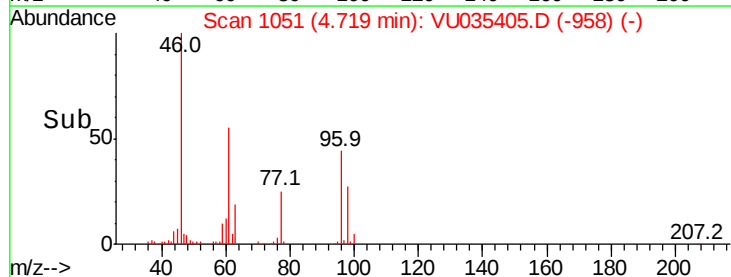
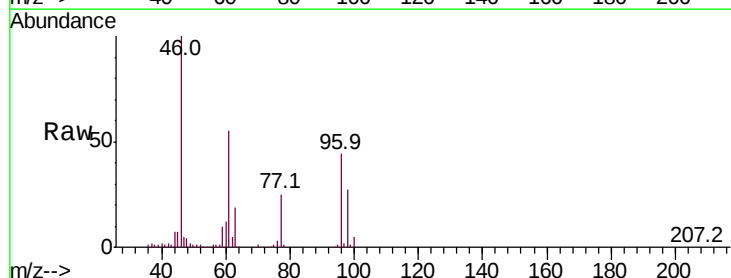
Tgt Ion: 96 Resp: 66699

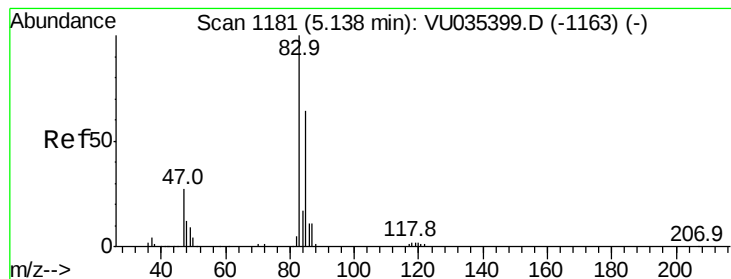
Ion Ratio Lower Upper

96 100

61 126.0 89.7 166.5

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.441 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035405.D

Acq: 23 Oct 2019 12:56

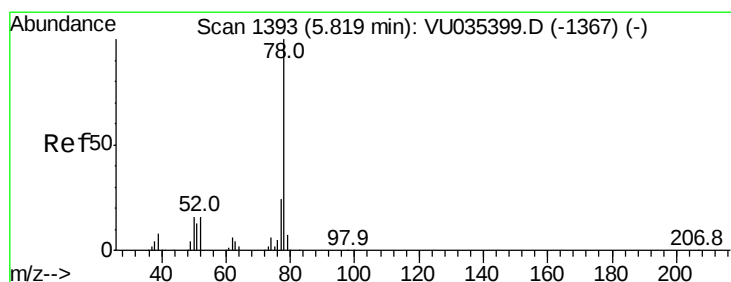
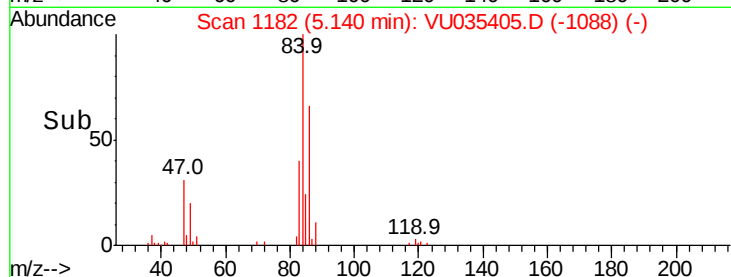
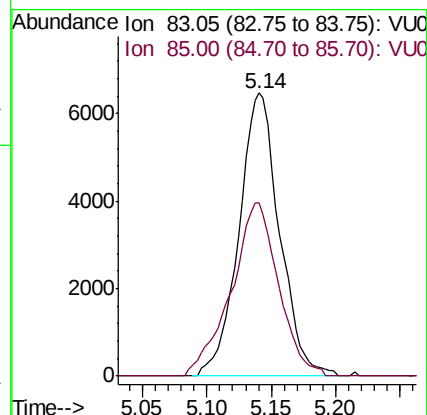
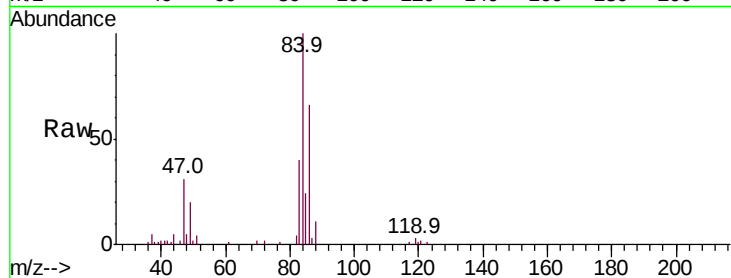
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 14161

Ion Ratio Lower Upper

83 100

85 61.1 45.1 83.9



#33

Benzene

Concen: 0.127 ug/L

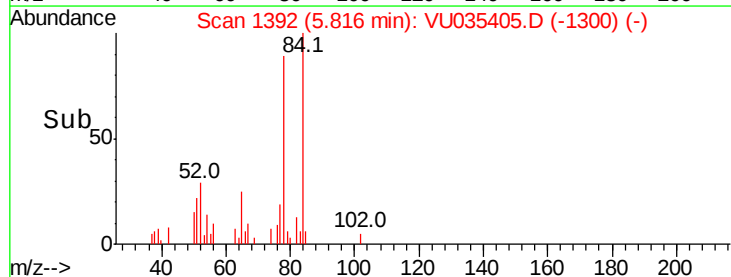
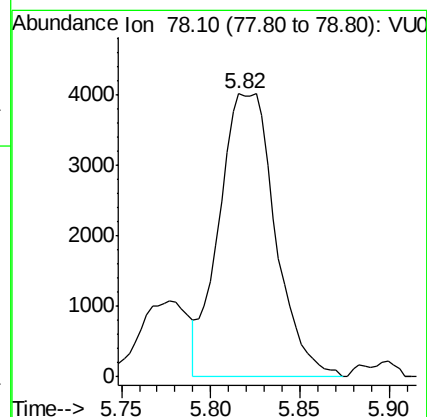
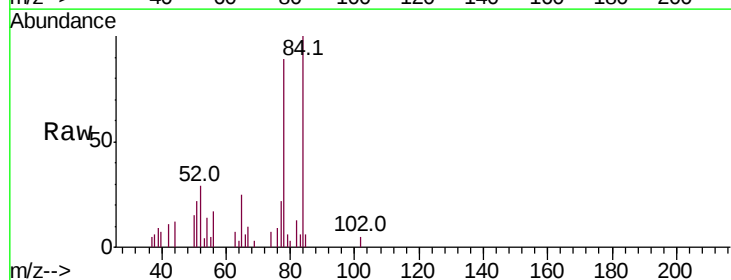
RT: 5.82 min Scan# 1392

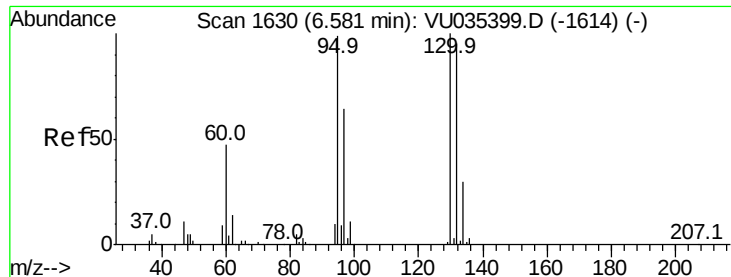
Delta R.T. -0.00 min

Lab File: VU035405.D

Acq: 23 Oct 2019 12:56

Tgt Ion: 78 Resp: 8820

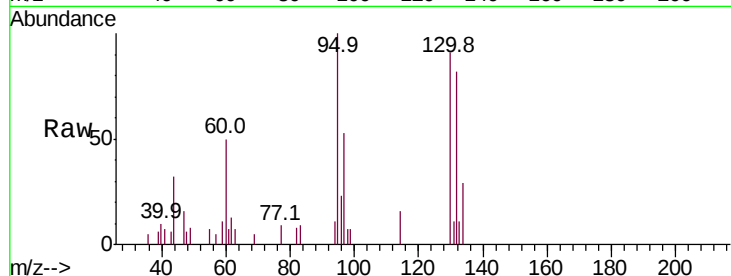




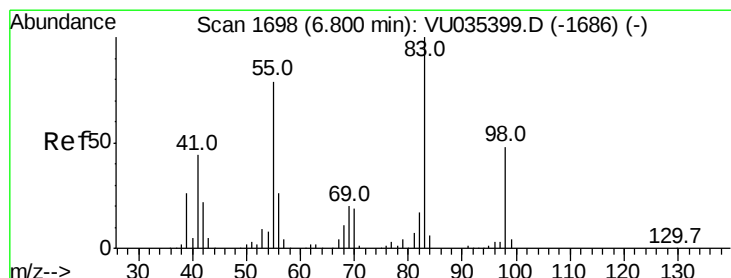
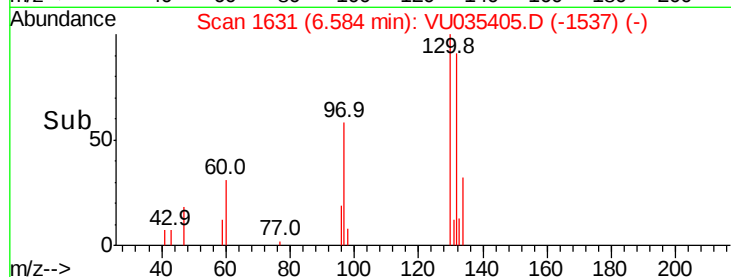
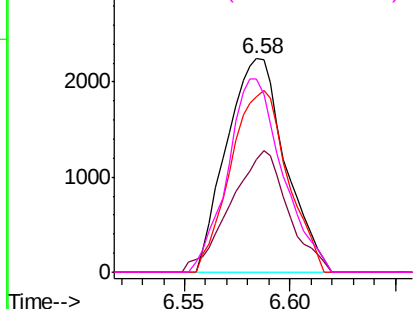
#34
 Trichloroethene
 Concen: 0.234 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035405.D
 Acq: 23 Oct 2019 12:56

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 4350
 Ion Ratio Lower Upper
 95 100
 97 52.7 46.6 86.6
 132 82.2 68.7 127.7
 130 90.6 73.9 137.3

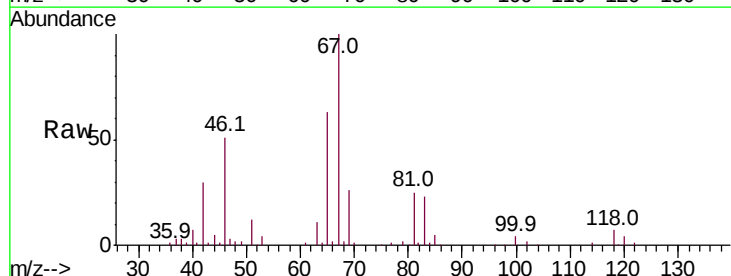


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

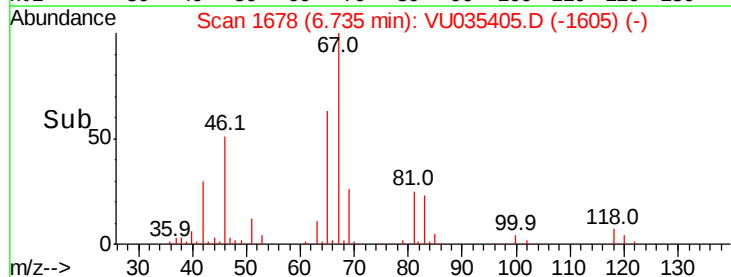
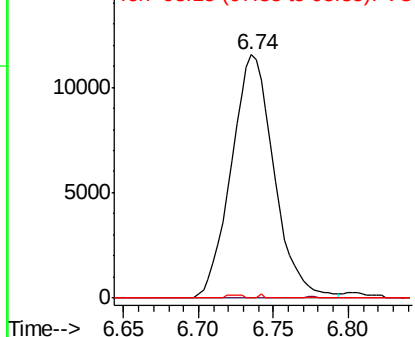


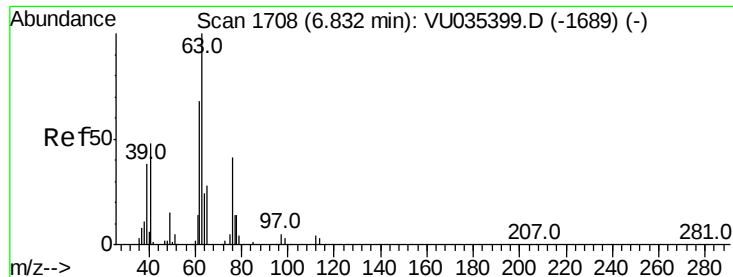
#35
 Methylcyclohexane
 Concen: 0.738 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.06 min
 Lab File: VU035405.D
 Acq: 23 Oct 2019 12:56

Tgt Ion: 83 Resp: 22960
 Ion Ratio Lower Upper
 83 100
 55 0.0 60.4 90.6#
 98 0.5 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





#37

1,2-Dichloropropane

Concen: 0.608 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035405.D

Acq: 23 Oct 2019 12:56

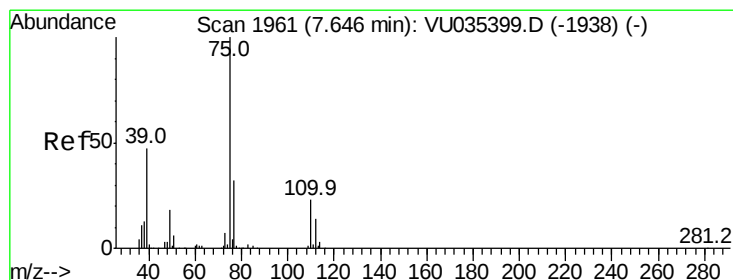
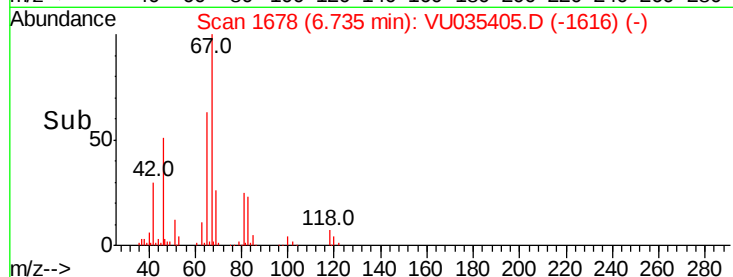
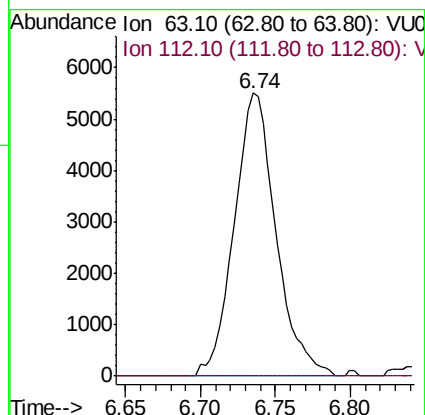
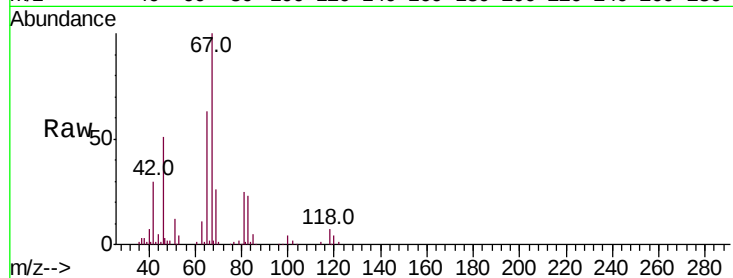
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 63 Resp: 10691

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



#39

cis-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 7.61 min Scan# 1950

Delta R.T. -0.04 min

Lab File: VU035405.D

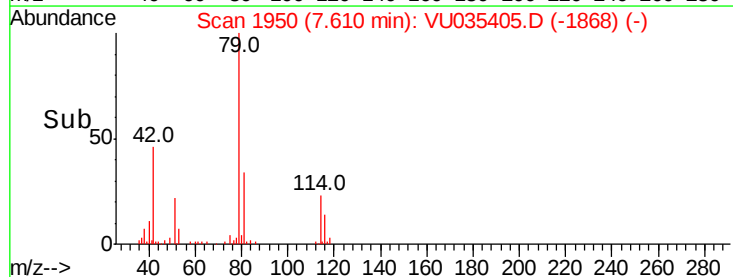
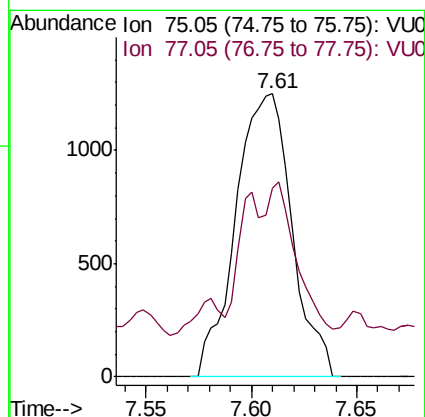
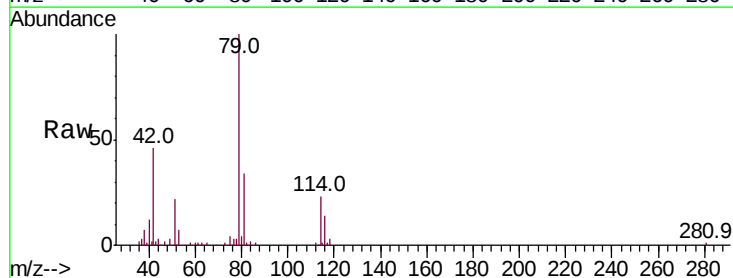
Acq: 23 Oct 2019 12:56

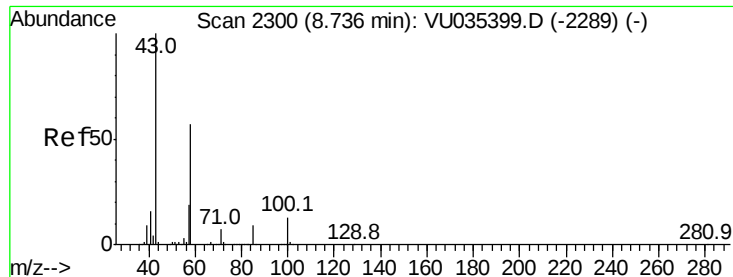
Tgt Ion: 75 Resp: 2320

Ion Ratio Lower Upper

75 100

77 66.5 22.7 42.1#

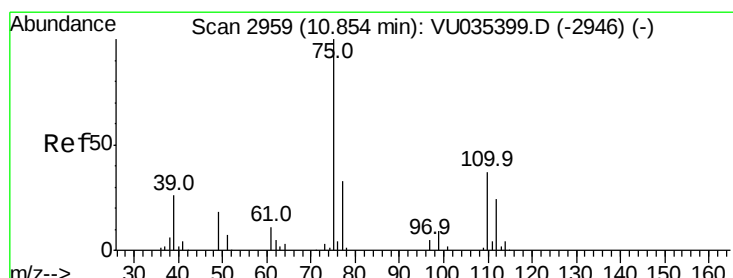
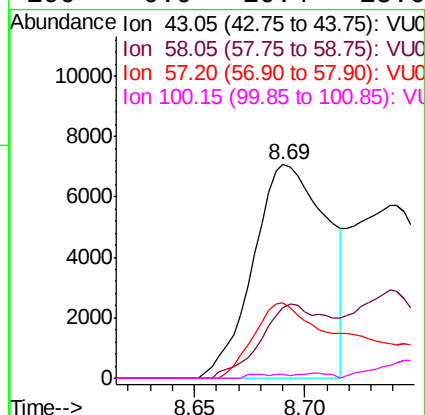
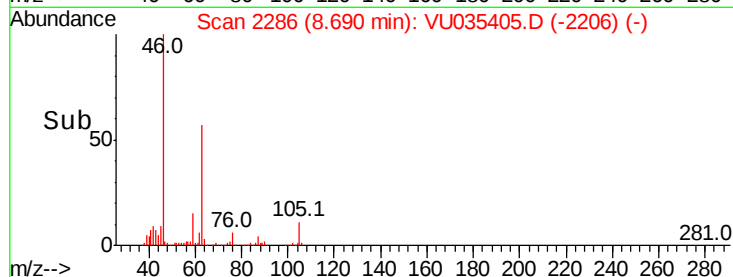
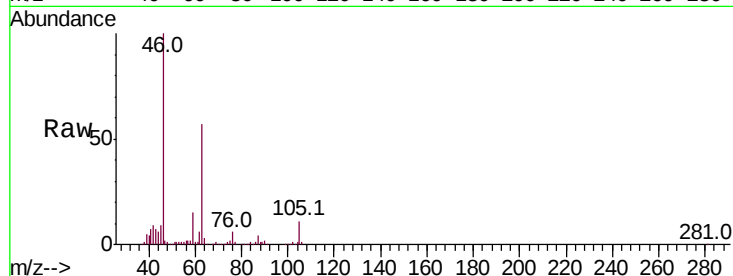




#48
2-Hexanone
Concen: 1.971 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.04 min
Lab File: VU035405.D
Acq: 23 Oct 2019 12:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 16402
Ion Ratio Lower Upper
43 100
58 32.6 45.1 67.7#
57 54.7 16.0 24.0#
100 0.9 10.4 15.6#



#59
1,2,3-Trichloropropane
Concen: 0.792 ug/L
RT: 11.84 min Scan# 3266
Delta R.T. 0.99 min
Lab File: VU035405.D
Acq: 23 Oct 2019 12:56

Tgt Ion: 75 Resp: 9704
Ion Ratio Lower Upper
75 100
77 41.2 26.2 39.2#

