

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035383.D
 Acq On : 22 Oct 2019 23:21
 Operator : JC/SP
 Sample : K5461-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 08:07:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:02:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	227484	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	227478	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	74885	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	119115	8.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	171.80%#
7) Chloroethane-d5	1.93	69	99430	7.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	156.80%#
11) 1,1-Dichloroethene-d2	2.59	63	149370	5.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	116.40%
20) 2-Butanone-d5	4.71	46	244894	61.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.88%
24) Chloroform-d	5.11	84	159777	6.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	126.00%#
26) 1,2-Dichloroethane-d4	5.75	65	95925	6.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	136.60%#
32) Benzene-d6	5.77	84	355441	6.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	136.60%#
36) 1,2-Dichloropropane-d6	6.74	67	116069	7.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	140.60%#
41) Toluene-d8	7.93	98	303174	6.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.80%
43) trans-1,3-Dichloropropene-	8.22	79	38994	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.69	63	173608	49.11	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.22%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	92532	6.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.80%#
64) 1,2-Dichlorobenzene-d4	12.22	152	89671	6.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	131.40%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	1082428	54.879	ug/L	99
12) 1,1-Dichloroethene	2.61	96	6960	0.476	ug/L #	1
13) Acetone	2.67	43	4026	1.452	ug/L	93
16) Methylene chloride	3.08	84	1734	0.099	ug/L	96
17) Methyl tert-butyl Ether	3.43	73	272823	6.936	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	280768	17.802	ug/L	95
19) 1,1-Dichloroethane	3.92	63	30597	1.073	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	2841173	162.980	ug/L	98
25) Chloroform	5.14	83	19359	0.619	ug/L	97
33) Benzene	5.82	78	23705	0.354	ug/L	100
34) Trichloroethene	6.58	95	15679	0.871	ug/L	98
35) Methylcyclohexane	6.74	83	26591	0.884	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	12762	0.751	ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2745	0.097	ug/L #	59
48) 2-Hexanone	8.73	43	10642	1.323	ug/L #	47
59) 1,2,3-Trichloropropane	11.84	75	9458	0.799	ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration

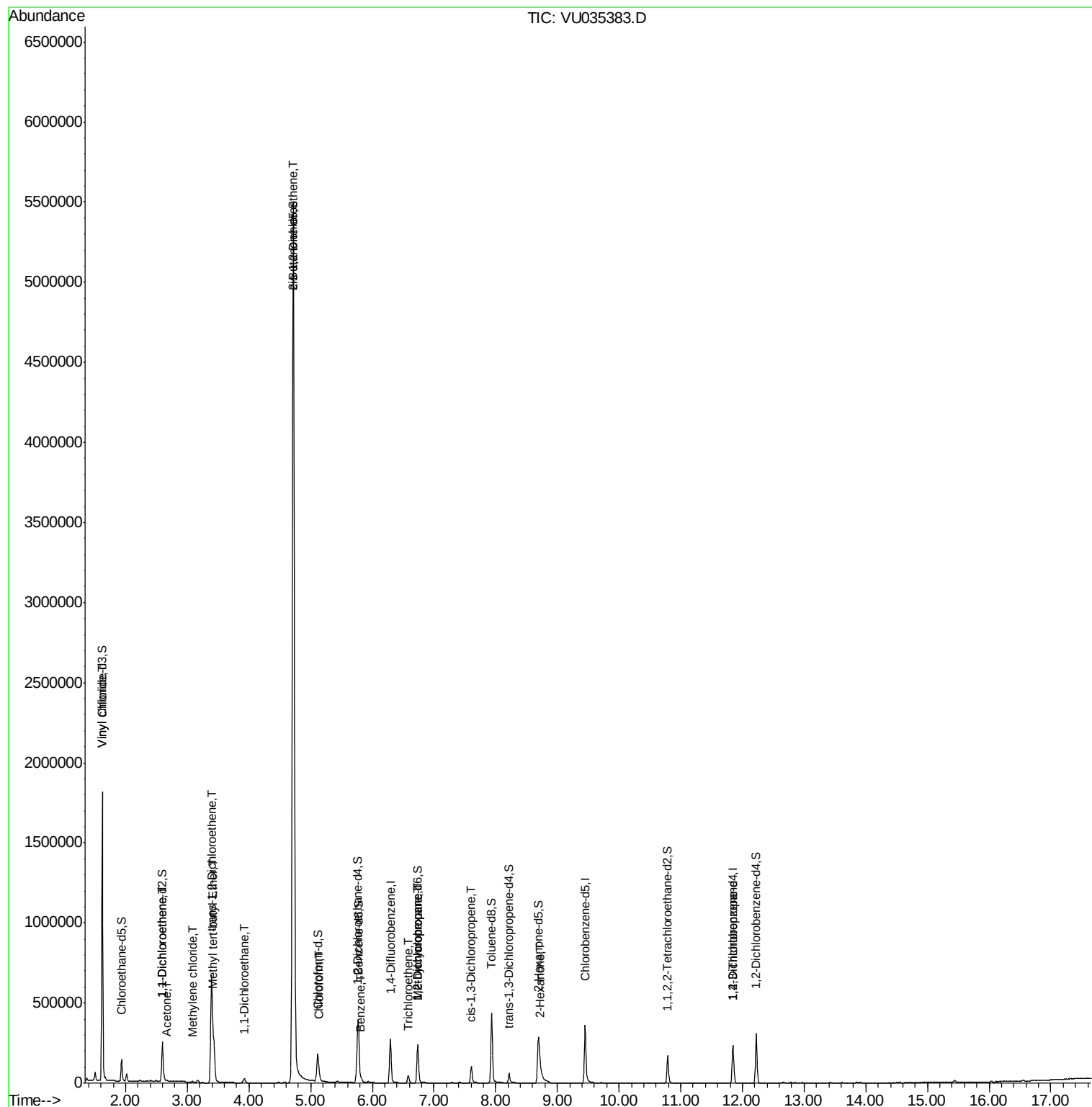
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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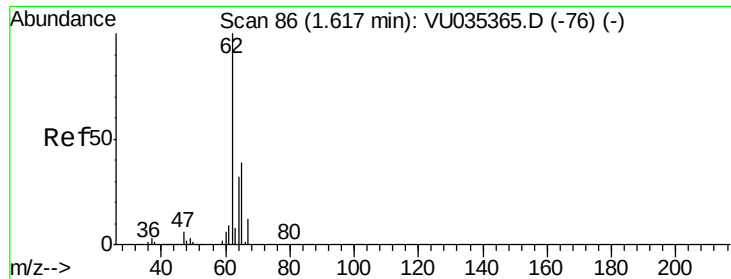
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 54.879 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035383.D

Acq: 22 Oct 2019 23:21

Instrument :

MSVOA_U

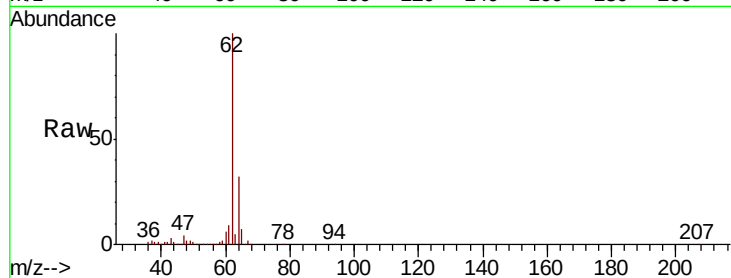
ClientSampled :

Tot Ion: 62 Resp: 1082428

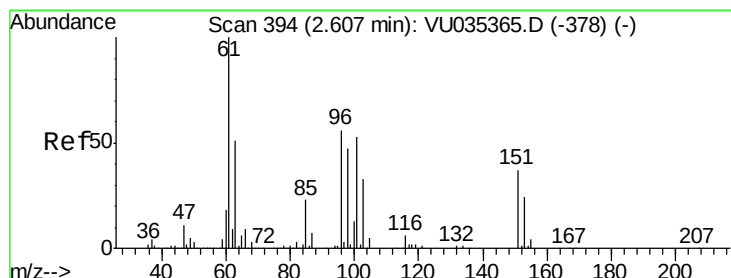
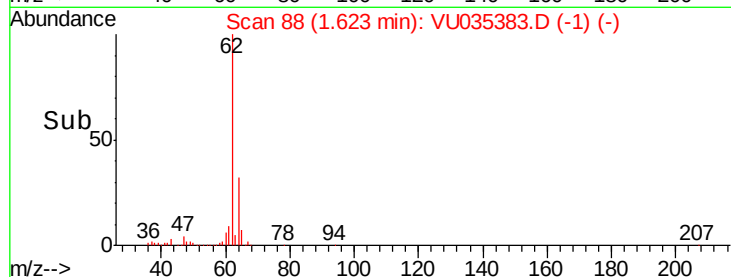
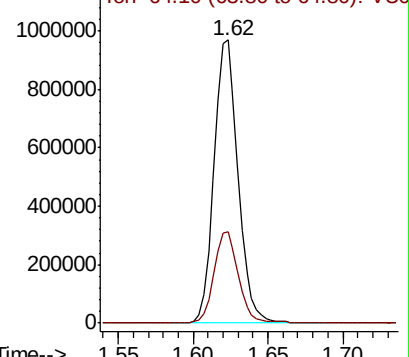
Ion Ratio Lower Upper

62 100

64 32.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035383.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 0.476 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035383.D

Acq: 22 Oct 2019 23:21

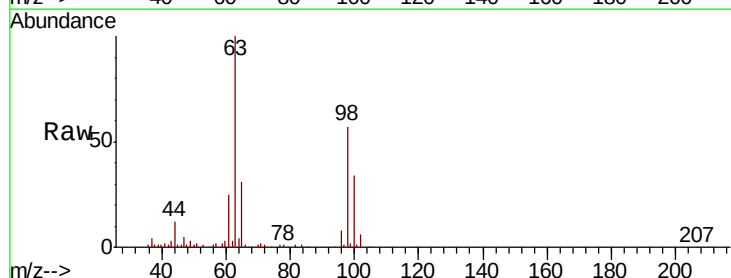
Tgt Ion: 96 Resp: 6960

Ion Ratio Lower Upper

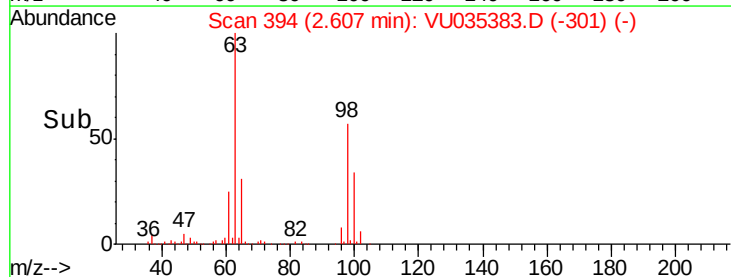
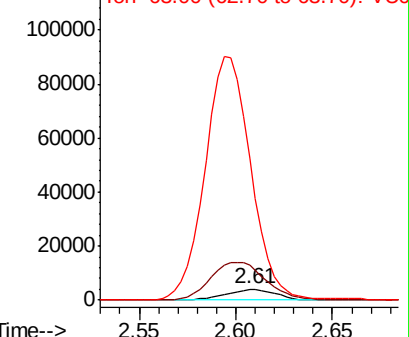
96 100

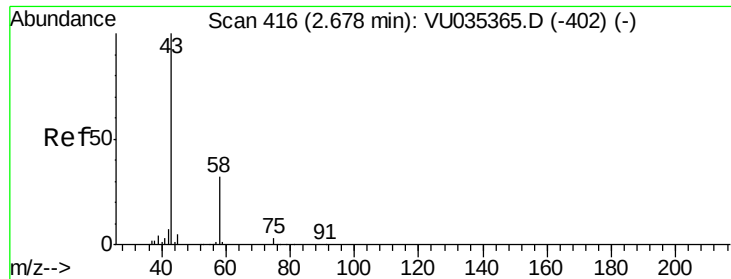
61 328.9 120.6 224.0#

63 1332.7 86.8 161.2#



Abundance Ion 96.00 (95.70 to 96.70): VU035383.D (-301) (-)





#13

Acetone

Concen: 1.452 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035383.D

Acq: 22 Oct 2019 23:21

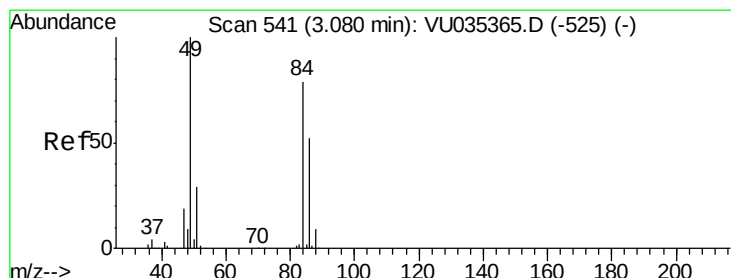
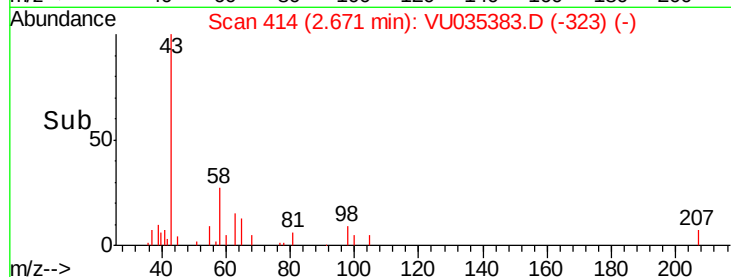
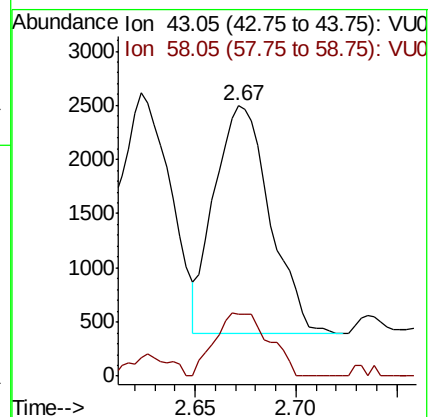
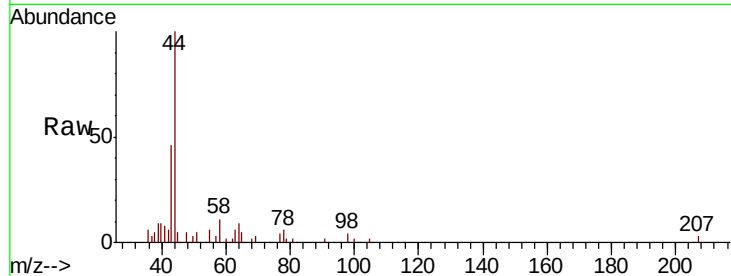
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 4026

Ion Ratio Lower Upper

43 100

58 27.1 0.0 61.8



#16

Methylene chloride

Concen: 0.099 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035383.D

Acq: 22 Oct 2019 23:21

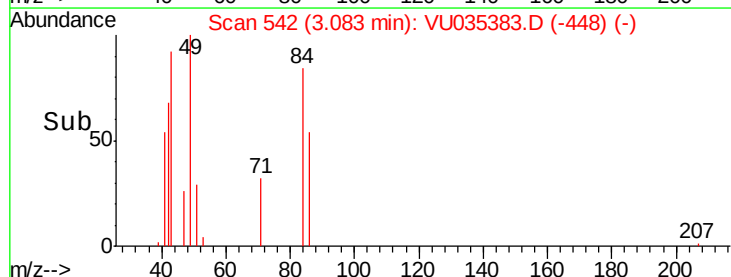
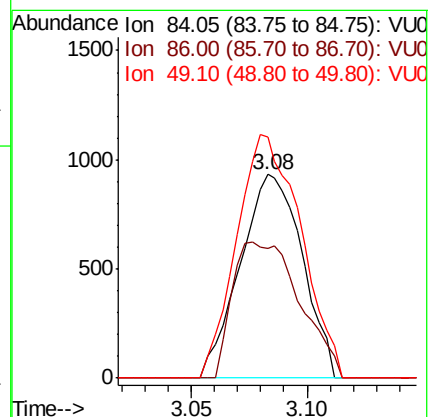
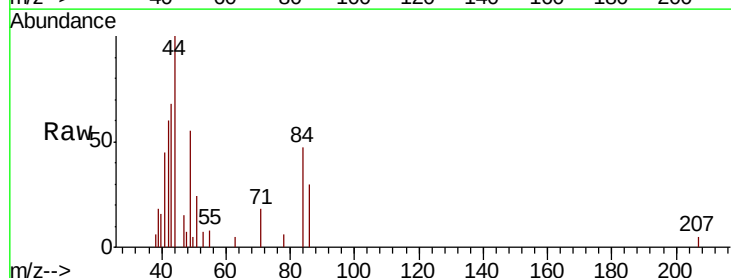
Tgt Ion: 84 Resp: 1734

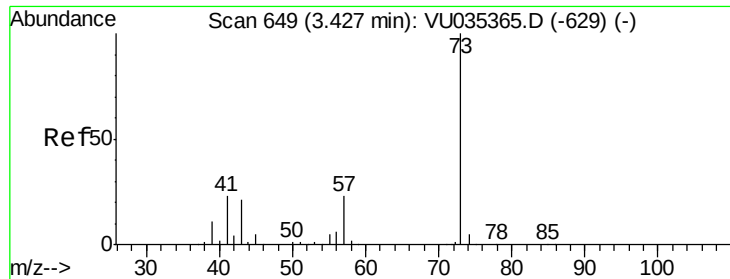
Ion Ratio Lower Upper

84 100

86 63.8 45.4 84.2

49 118.3 86.8 161.2

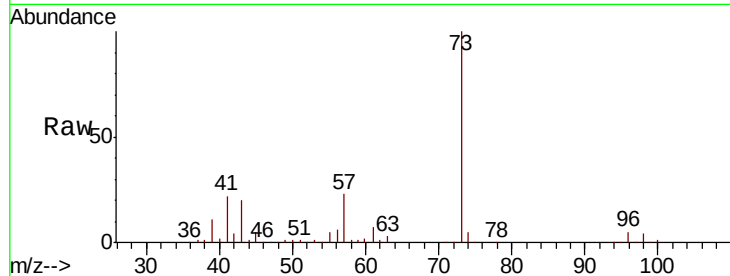




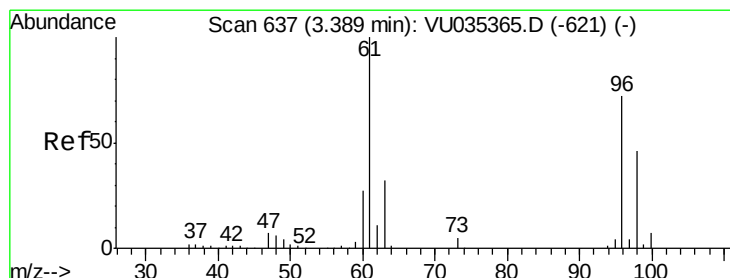
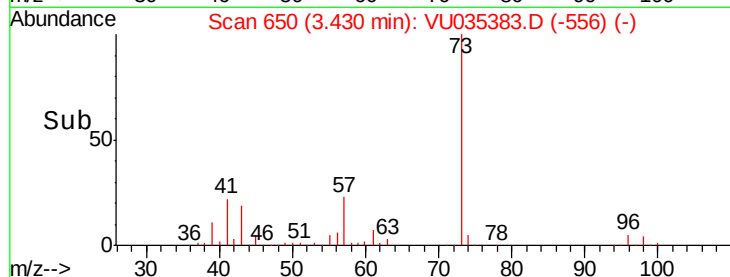
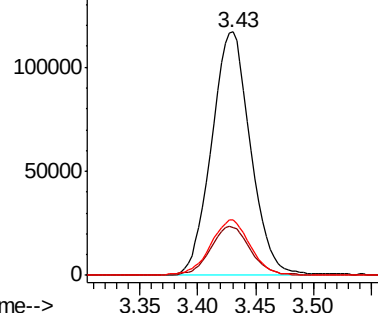
#17
Methyl tert-butyl Ether
Concen: 6.936 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035383.D
Acq: 22 Oct 2019 23:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 272823
Ion Ratio Lower Upper
73 100
43 20.6 16.0 24.0
57 23.4 17.4 26.2

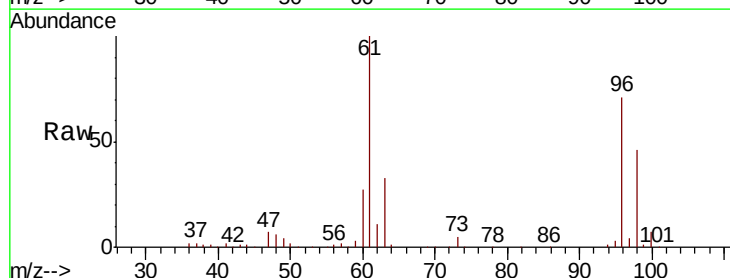


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

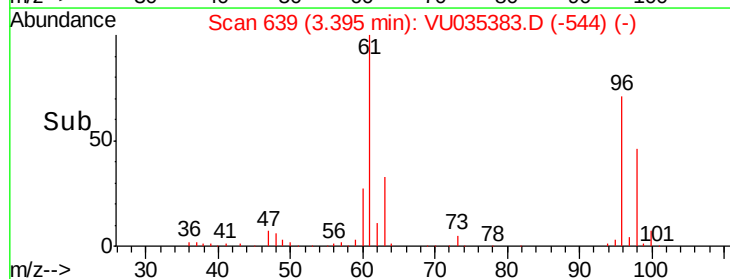
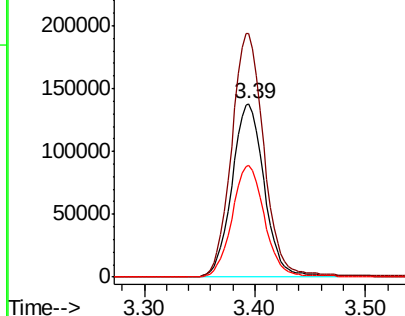


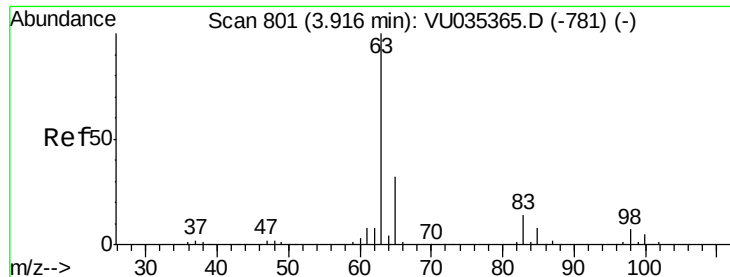
#18
trans-1,2-Dichloroethene
Concen: 17.802 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.01 min
Lab File: VU035383.D
Acq: 22 Oct 2019 23:21

Tgt Ion: 96 Resp: 280768
Ion Ratio Lower Upper
96 100
61 140.1 93.0 172.6
98 64.3 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

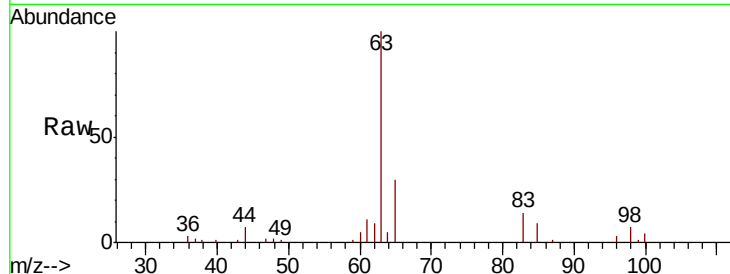




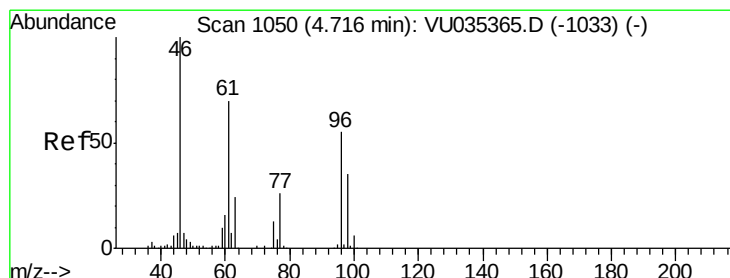
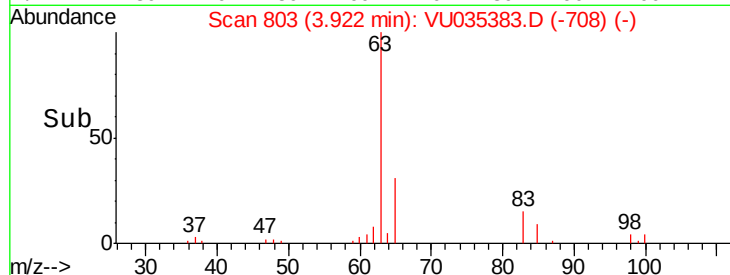
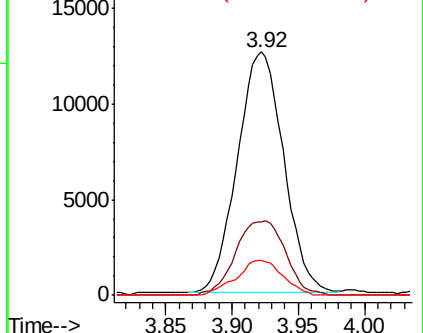
#19
 1,1-Dichloroethane
 Concen: 1.073 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: VU035383.D
 Acq: 22 Oct 2019 23:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 30597
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.4 41.6
 83 14.4 9.3 17.3

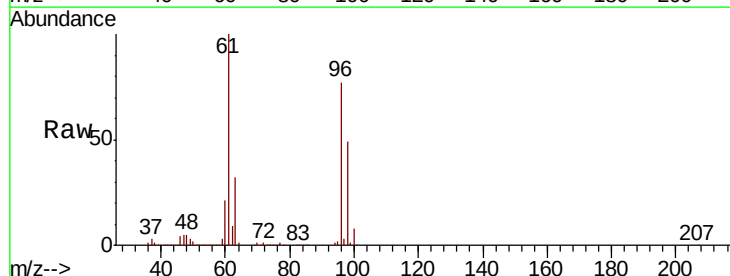


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

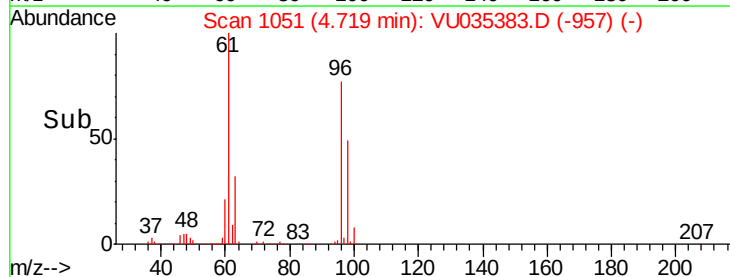
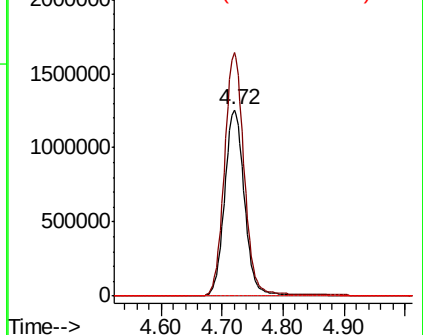


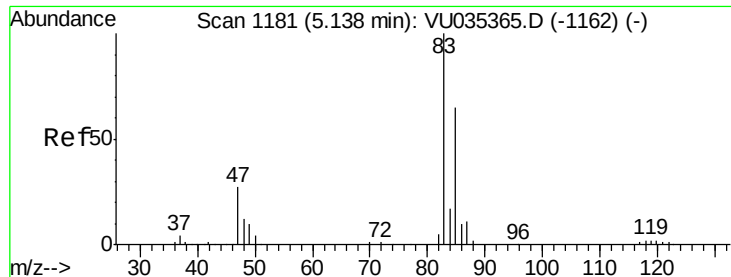
#22
 cis-1,2-Dichloroethene
 Concen: 162.980 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035383.D
 Acq: 22 Oct 2019 23:21

Tgt Ion: 96 Resp: 2841173
 Ion Ratio Lower Upper
 96 100
 61 130.7 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

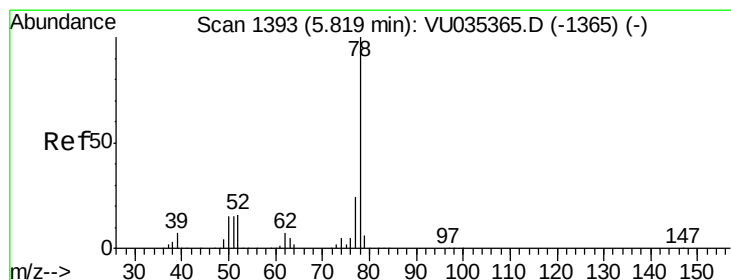
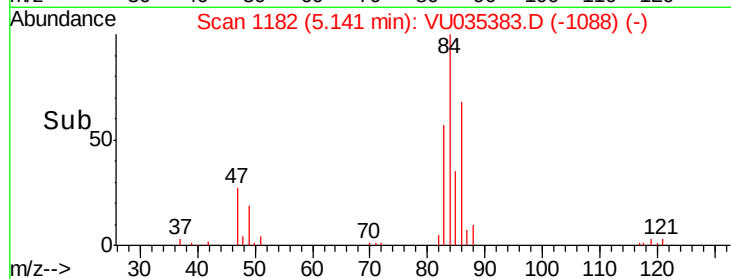
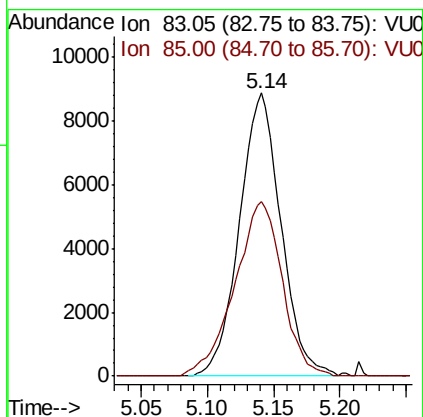
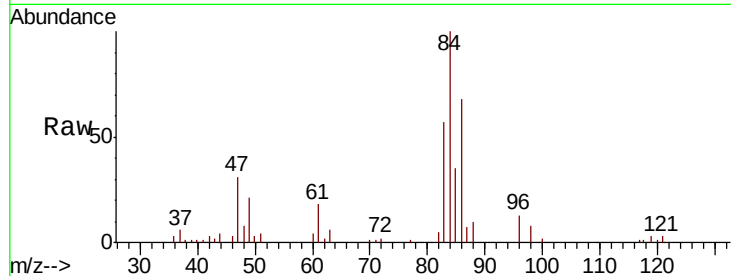




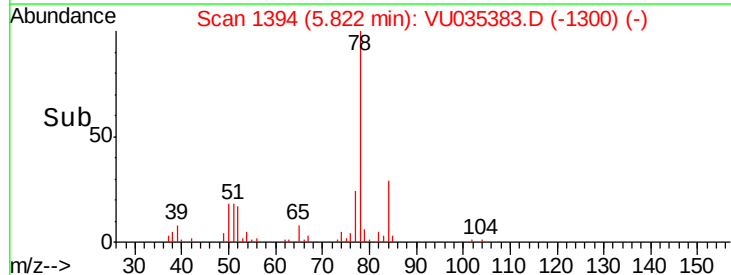
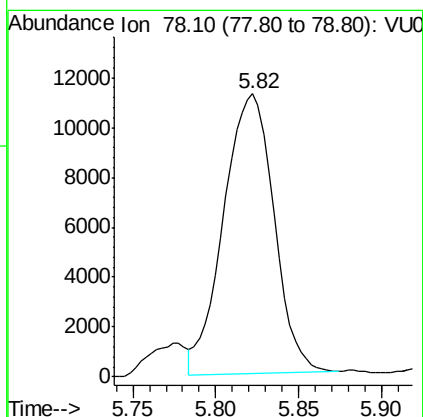
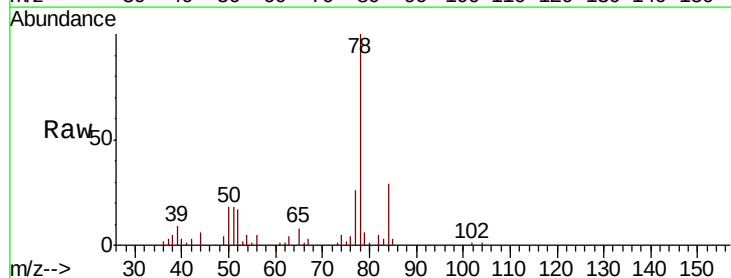
#25
Chloroform
Concen: 0.619 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035383.D
Acq: 22 Oct 2019 23:21

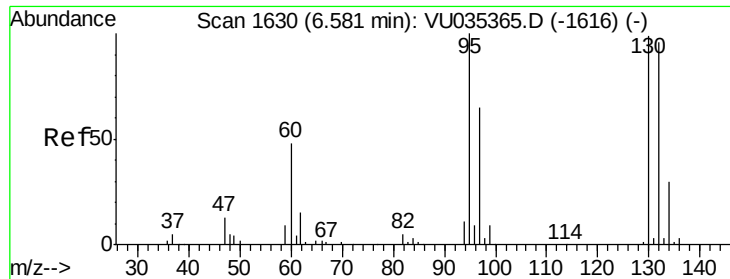
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 19359
Ion Ratio Lower Upper
83 100
85 61.8 45.1 83.9



#33
Benzene
Concen: 0.354 ug/L
RT: 5.82 min Scan# 1394
Delta R.T. 0.00 min
Lab File: VU035383.D
Acq: 22 Oct 2019 23:21
Tgt Ion: 78 Resp: 23705





#34

Trichloroethene

Concen: 0.871 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035383.D

Acq: 22 Oct 2019 23:21

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 15679

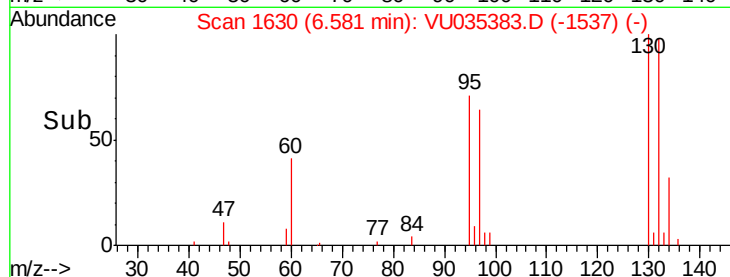
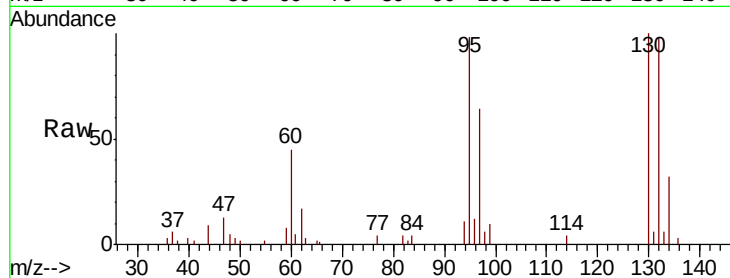
Ion Ratio Lower Upper

95 100

97 65.5 46.6 86.6

132 99.5 68.7 127.7

130 101.7 73.9 137.3



Abundance Ion 95.00 (94.70 to 95.70): VU035383.D (-1537) (-)

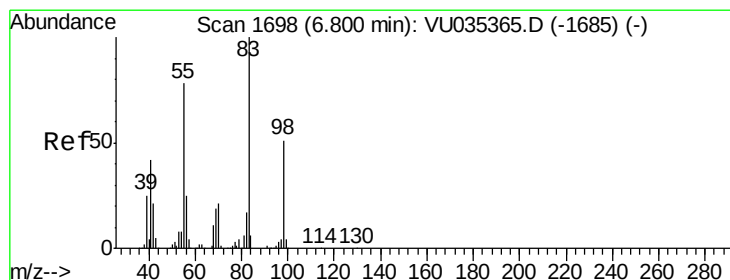
Ion 96.95 (96.65 to 97.65): VU035383.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035383.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035383.D (-1537) (-)

Time-->

6.50 6.55 6.60 6.65



#35

Methylcyclohexane

Concen: 0.884 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035383.D

Acq: 22 Oct 2019 23:21

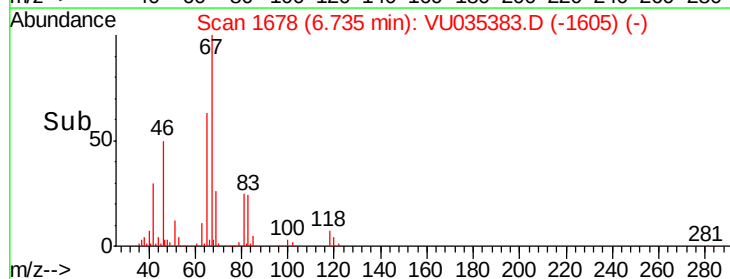
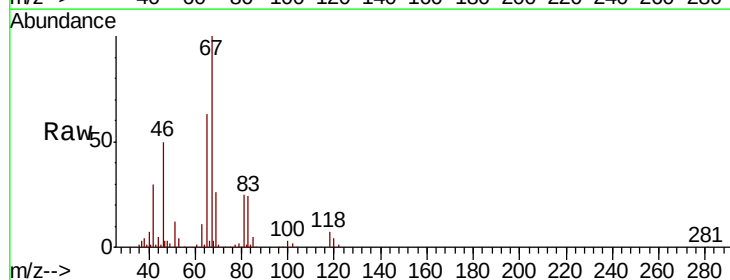
Tgt Ion: 83 Resp: 26591

Ion Ratio Lower Upper

83 100

55 0.8 60.4 90.6#

98 0.8 39.5 59.3#



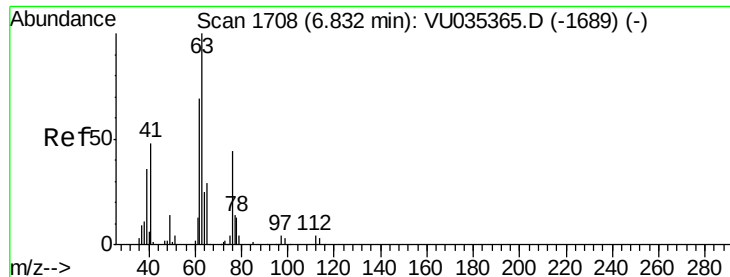
Abundance Ion 83.15 (82.85 to 83.85): VU035383.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035383.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035383.D (-1605) (-)

Time-->

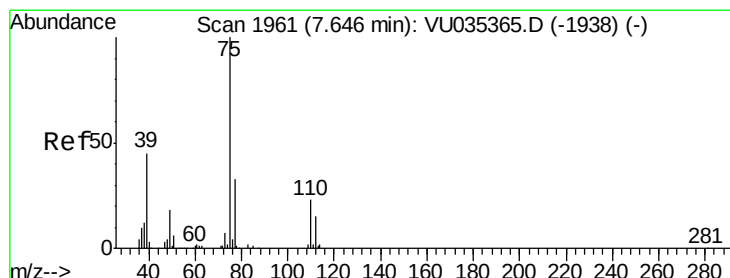
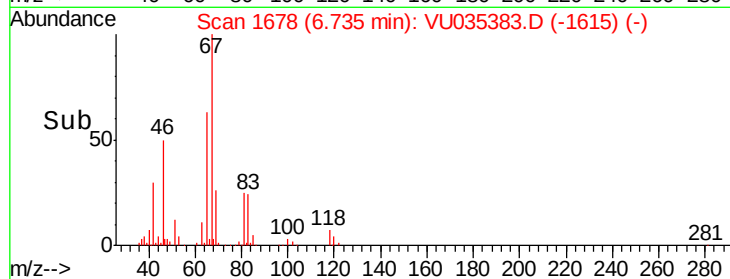
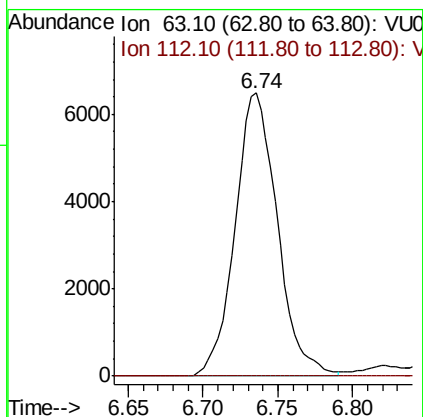
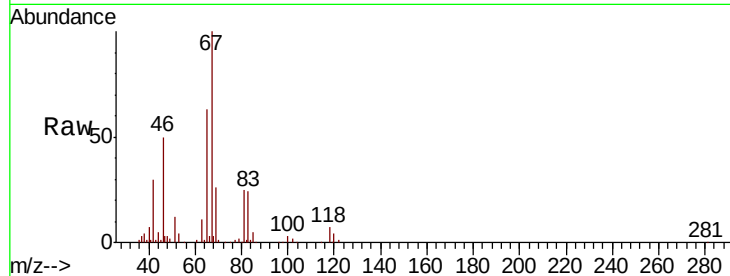
6.65 6.70 6.75 6.80



#37
 1,2-Dichloropropane
 Concen: 0.751 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035383.D
 Acq: 22 Oct 2019 23:21

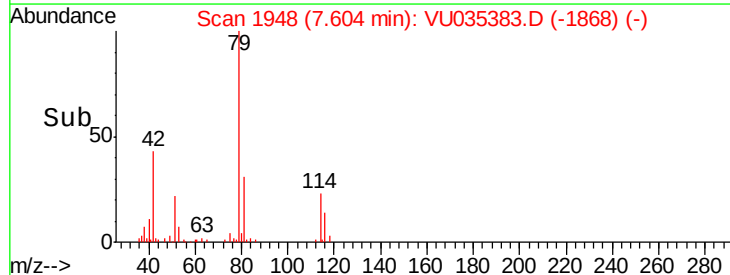
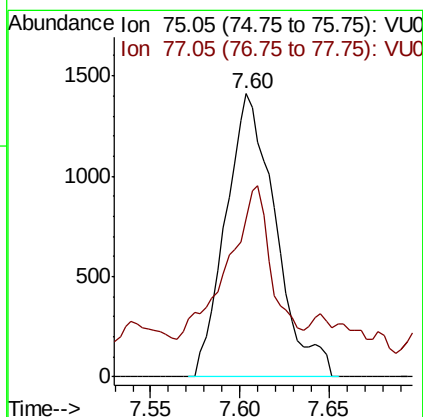
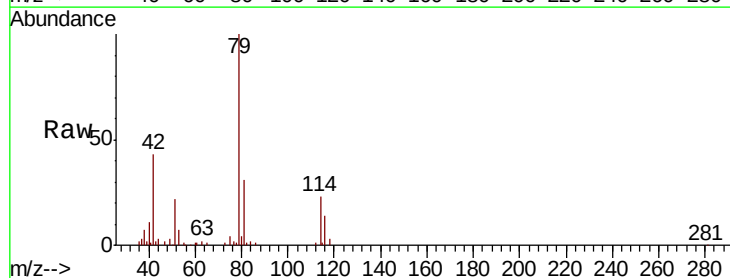
Instrument :
 MSVOA_U
 ClientSampleId :

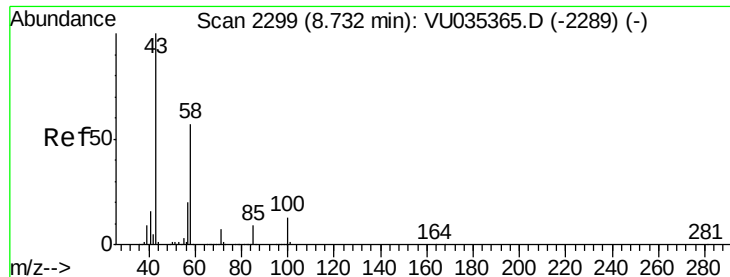
Tot Ion: 63 Resp: 12762
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035383.D
 Acq: 22 Oct 2019 23:21

Tgt Ion: 75 Resp: 2745
 Ion Ratio Lower Upper
 75 100
 77 55.6 22.7 42.1#

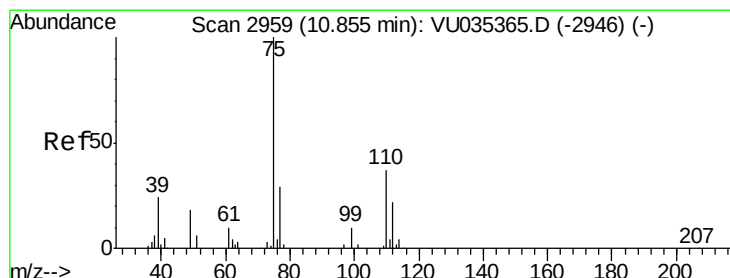
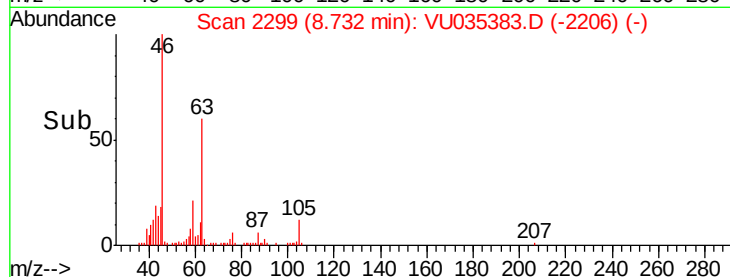
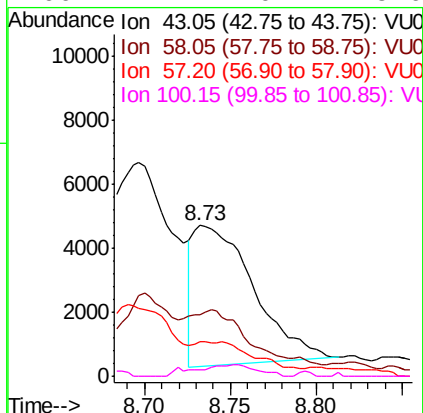
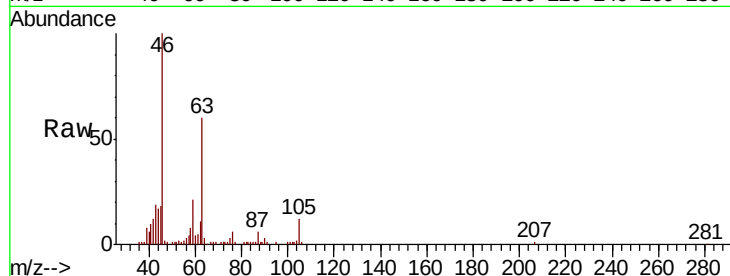




#48
 2-Hexanone
 Concen: 1.323 ug/L
 RT: 8.73 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VU035383.D
 Acq: 22 Oct 2019 23:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 43 Resp: 10642
 Ion Ratio Lower Upper
 43 100
 58 0.0 45.1 67.7#
 57 19.4 16.0 24.0
 100 2.2 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.799 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035383.D
 Acq: 22 Oct 2019 23:21

Tgt Ion: 75 Resp: 9458
 Ion Ratio Lower Upper
 75 100
 77 35.4 26.2 39.2

