

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035381.D
 Acq On : 22 Oct 2019 22:31
 Operator : JC/SP
 Sample : K5461-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 08:07:02 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	258744	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	258108	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	95930	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	107537	6.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	136.20%#
7) Chloroethane-d5	1.93	69	90844	6.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	126.00%
11) 1,1-Dichloroethene-d2	2.59	63	135543	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.00%
20) 2-Butanone-d5	4.71	46	244087	53.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.68%
24) Chloroform-d	5.11	84	162200	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.75	65	90642	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
32) Benzene-d6	5.77	84	332024	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.74	67	108765	5.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.00%
41) Toluene-d8	7.93	98	284539	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	8.22	79	37487	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.68	63	179026	44.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.26%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	89988	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	95922	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	580470	25.874	ug/L	100
12) 1,1-Dichloroethene	2.60	96	2197	0.132	ug/L #	1
13) Acetone	2.67	43	4763	1.510	ug/L	76
15) Methyl Acetate	3.07	43	10157	1.293	ug/L #	50
16) Methylene chloride	3.08	84	2174	0.109	ug/L	83
18) trans-1,2-Dichloroethene	3.39	96	45285	2.524	ug/L	94
19) 1,1-Dichloroethane	3.92	63	5938	0.183	ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	981046	49.477	ug/L	98
25) Chloroform	5.14	83	7271	0.204	ug/L	85
30) Cyclohexane	5.43	56	5934	0.183	ug/L #	90
33) Benzene	5.82	78	16827	0.222	ug/L	100
34) Trichloroethene	6.58	95	11529	0.565	ug/L	96
37) 1,2-Dichloropropane	6.73	63	11994	0.622	ug/L #	87
39) cis-1,3-Dichloropropene	7.61	75	2673	0.083	ug/L #	76
48) 2-Hexanone	8.74	43	12326	1.350	ug/L #	87
59) 1,2,3-Trichloropropane	11.84	75	12281	0.914	ug/L	93

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

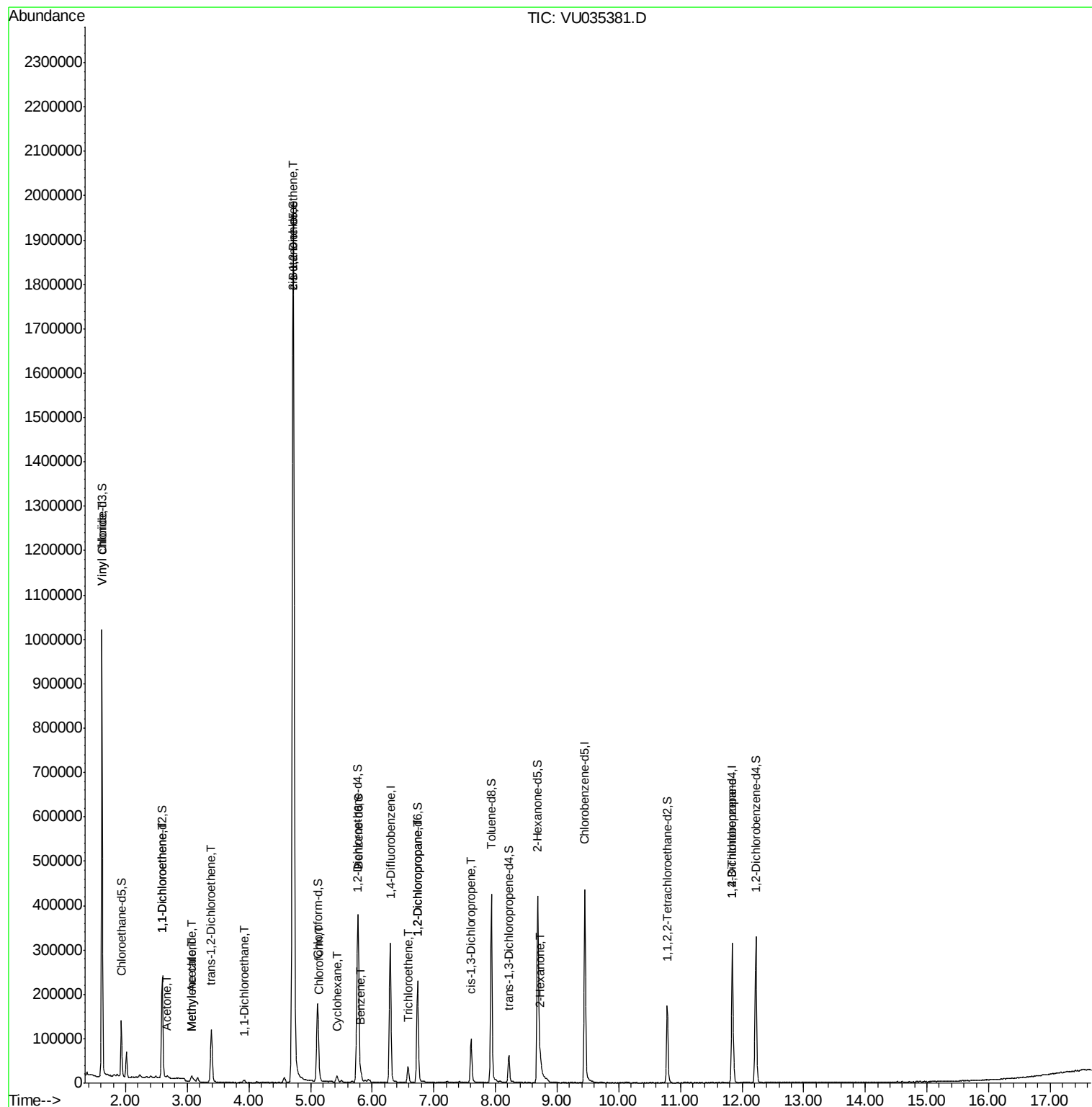
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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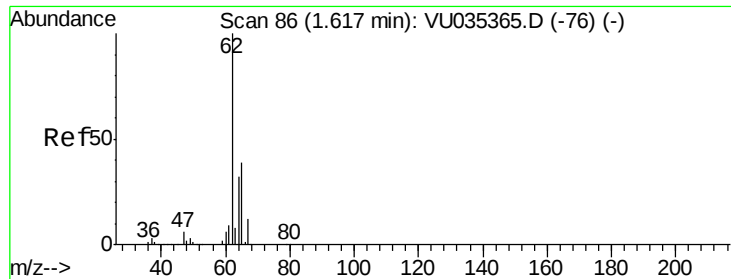
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 25.874 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035381.D

Acq: 22 Oct 2019 22:31

Instrument :

MSVOA_U

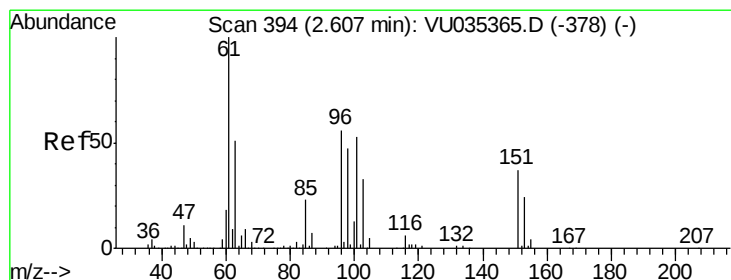
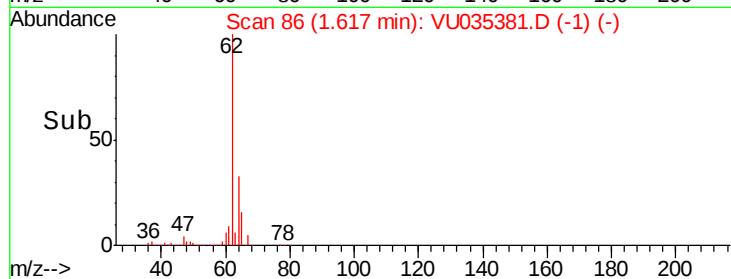
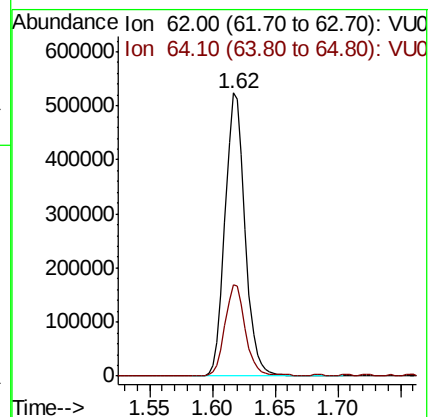
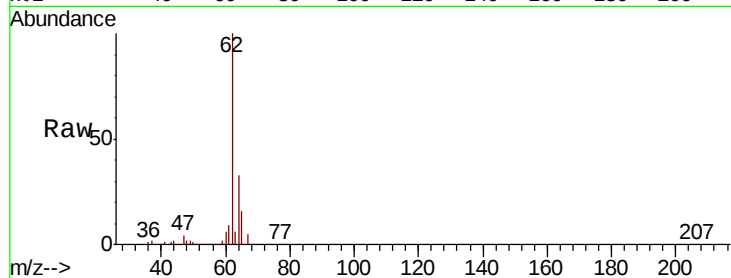
ClientSampleId :

Tot Ion: 62 Resp: 580470

Ion Ratio Lower Upper

62 100

64 32.5 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.132 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035381.D

Acq: 22 Oct 2019 22:31

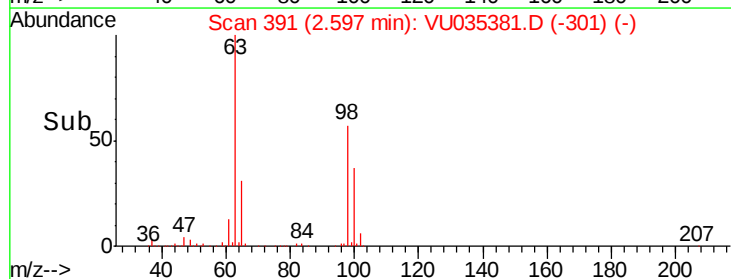
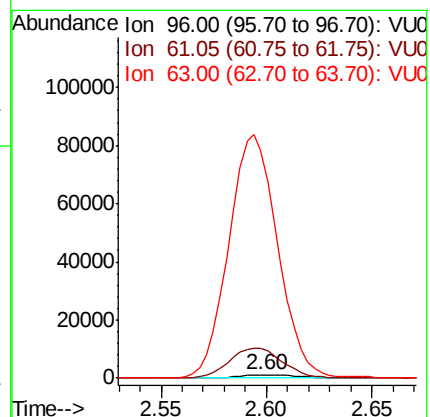
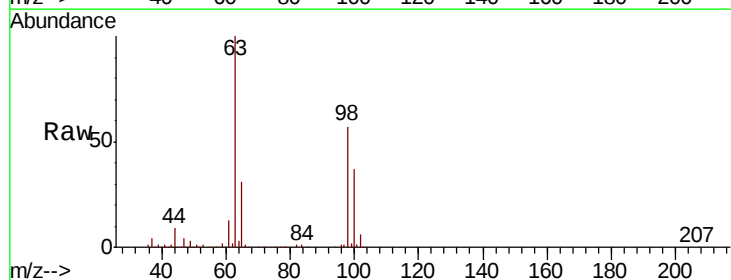
Tgt Ion: 96 Resp: 2197

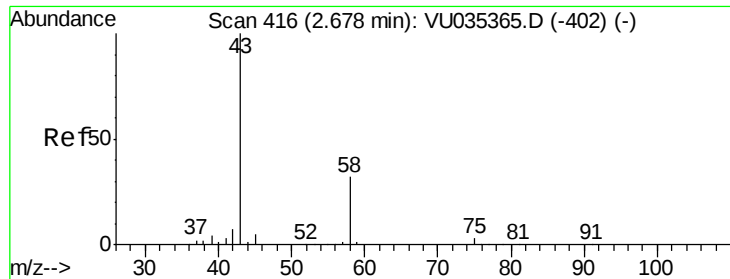
Ion Ratio Lower Upper

96 100

61 911.0 120.6 224.0#

63 6977.8 86.8 161.2#





#13

Acetone

Concen: 1.510 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU035381.D

Acq: 22 Oct 2019 22:31

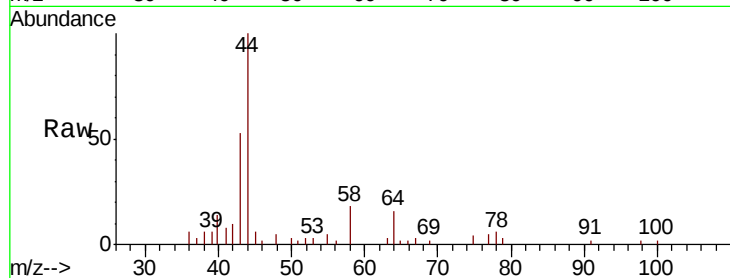
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 4763

Ion Ratio Lower Upper

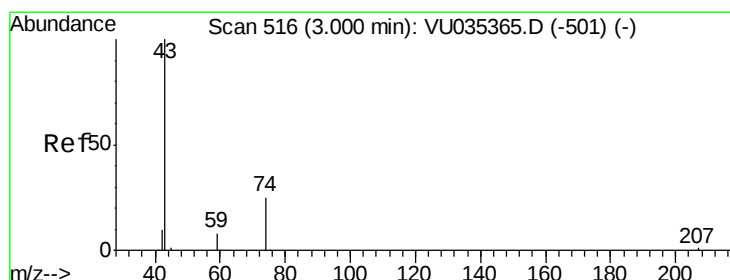
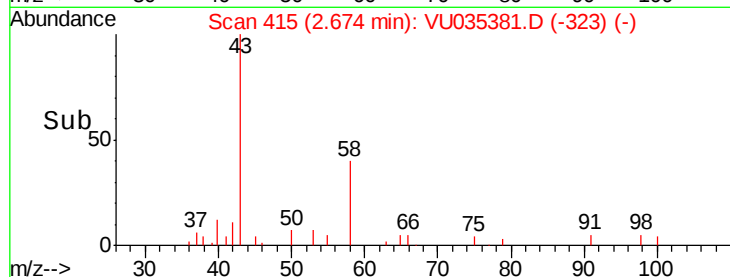
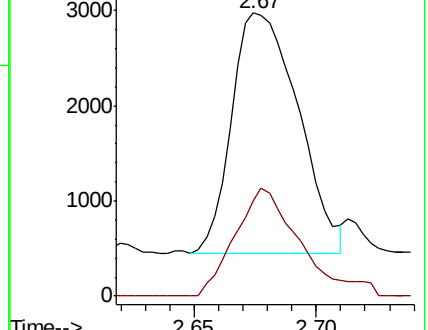
43 100

58 44.3 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035381.D (-423) (-)

Ion 58.05 (57.75 to 58.75): VU035381.D (-423) (-)



#15

Methyl Acetate

Concen: 1.293 ug/L

RT: 3.07 min Scan# 539

Delta R.T. 0.07 min

Lab File: VU035381.D

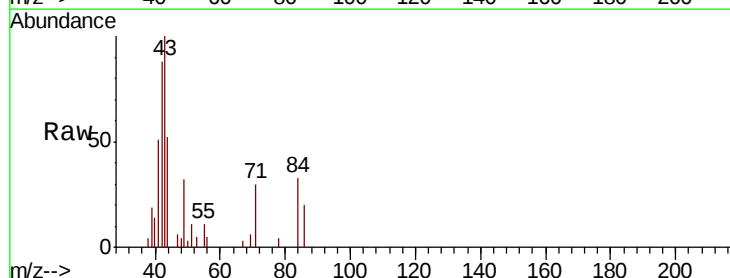
Acq: 22 Oct 2019 22:31

Tgt Ion: 43 Resp: 10157

Ion Ratio Lower Upper

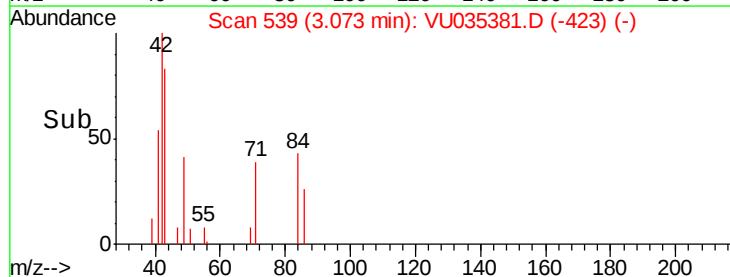
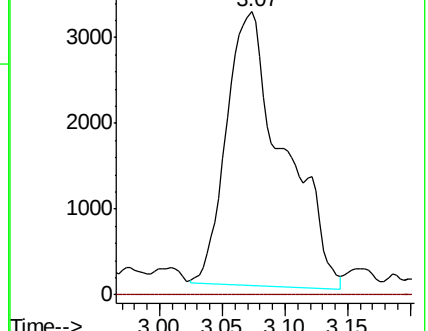
43 100

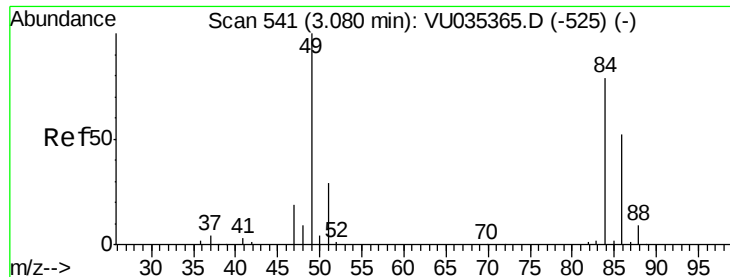
74 0.2 20.3 30.5#



Abundance Ion 43.05 (42.75 to 43.75): VU035381.D (-423) (-)

Ion 74.05 (73.75 to 74.75): VU035381.D (-423) (-)

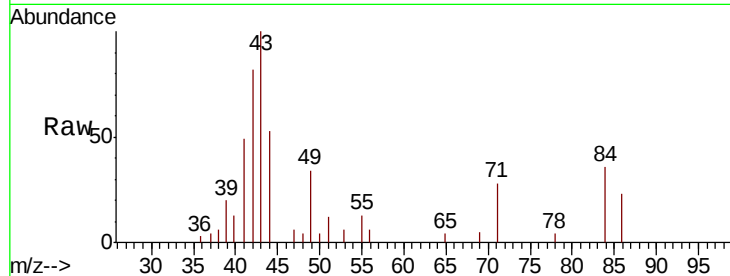




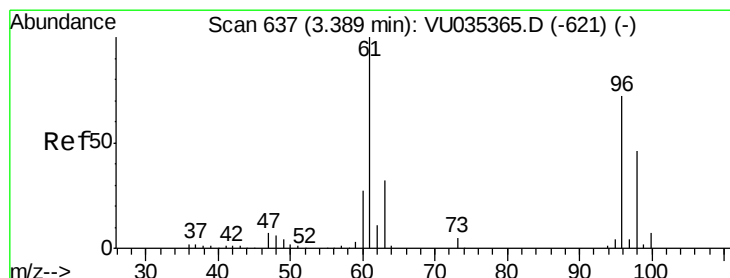
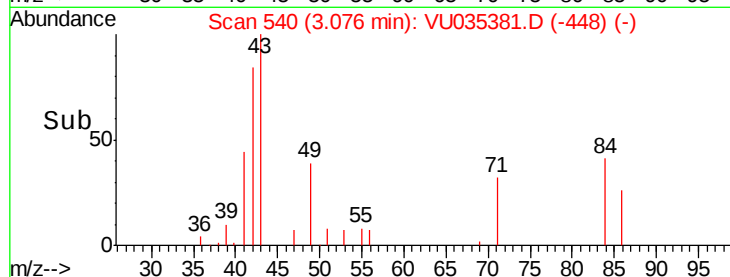
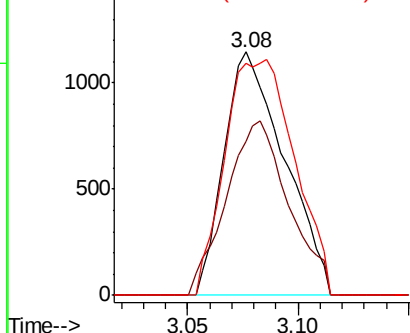
#16
Methylene chloride
Concen: 0.109 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU035381.D
Acq: 22 Oct 2019 22:31

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 84 Resp: 2174
Ion Ratio Lower Upper
84 100
86 63.4 45.4 84.2
49 95.5 86.8 161.2

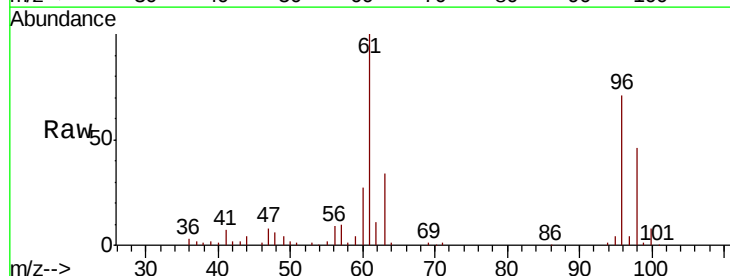


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

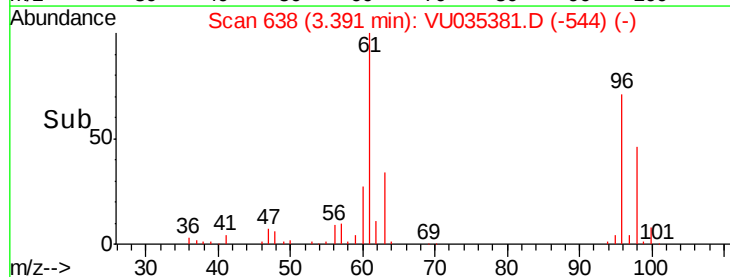
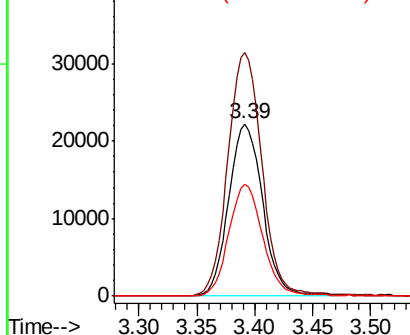


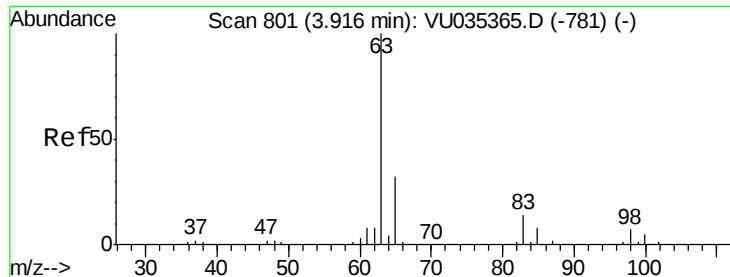
#18
trans-1,2-Dichloroethene
Concen: 2.524 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035381.D
Acq: 22 Oct 2019 22:31

Tgt Ion: 96 Resp: 45285
Ion Ratio Lower Upper
96 100
61 141.3 93.0 172.6
98 64.8 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: 0.183 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.01 min

Lab File: VU035381.D

Acq: 22 Oct 2019 22:31

Instrument :

MSVOA_U

ClientSampleId :

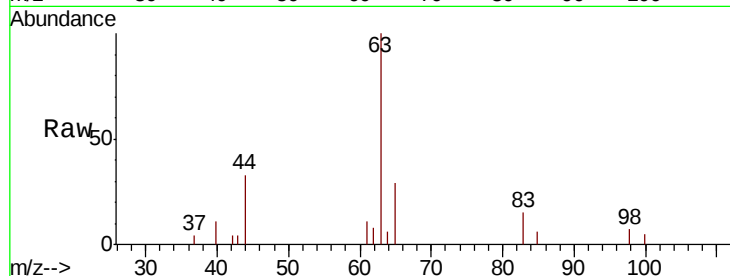
Tot Ion: 63 Resp: 5938

Ion Ratio Lower Upper

63 100

65 29.2 22.4 41.6

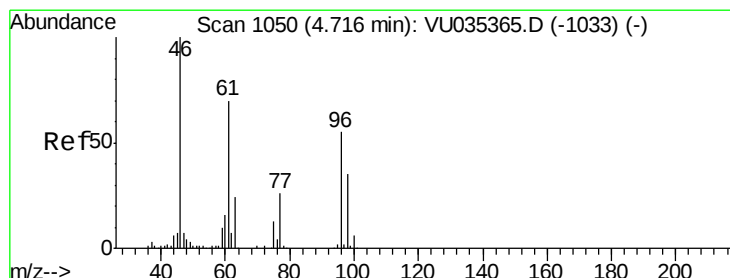
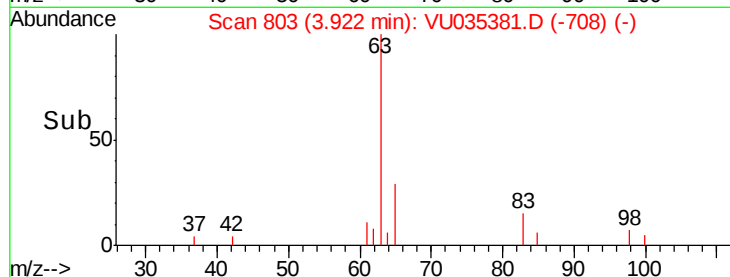
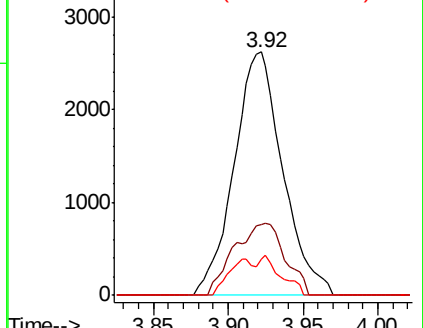
83 14.9 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035381.D (-957) (-)

Ion 65.10 (64.80 to 65.80): VU035381.D (-957) (-)

Ion 83.05 (82.75 to 83.75): VU035381.D (-957) (-)



#22

cis-1,2-Dichloroethene

Concen: 49.477 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035381.D

Acq: 22 Oct 2019 22:31

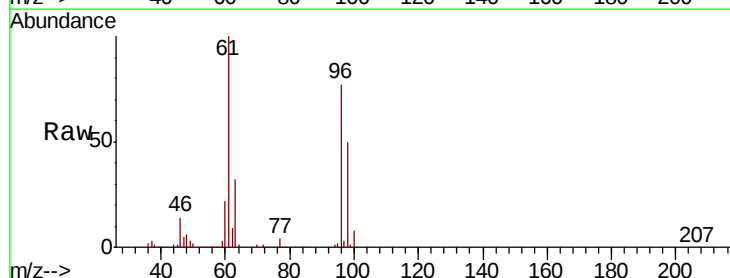
Tgt Ion: 96 Resp: 981046

Ion Ratio Lower Upper

96 100

61 130.1 89.7 166.5

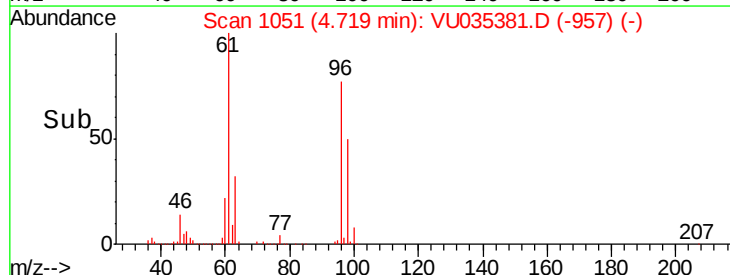
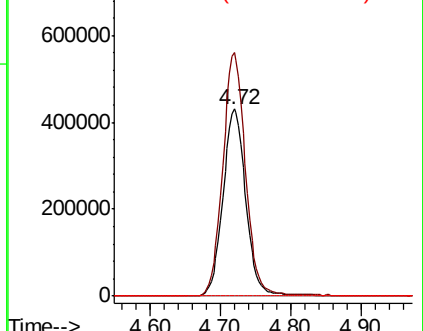
68 0.0 0.0 0.0

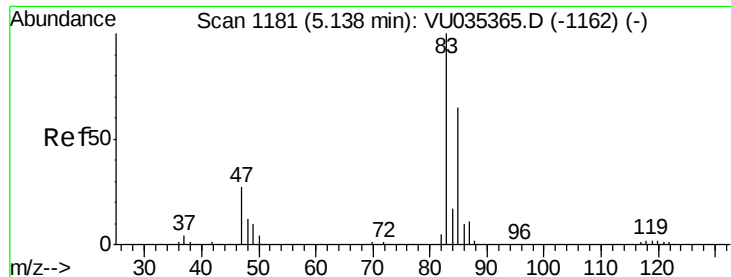


Abundance Ion 96.00 (95.70 to 96.70): VU035381.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035381.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035381.D (-957) (-)

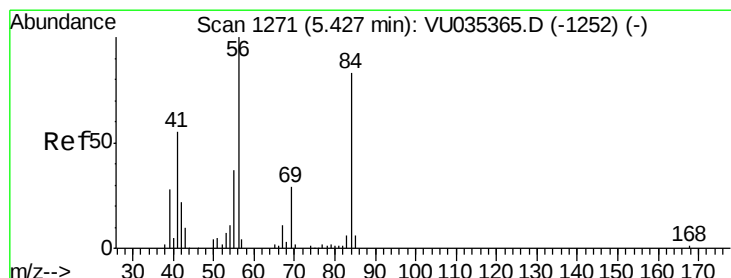
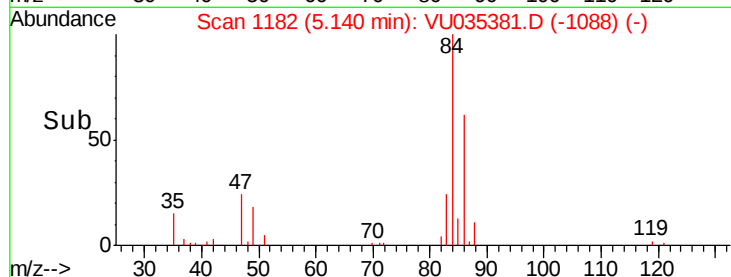
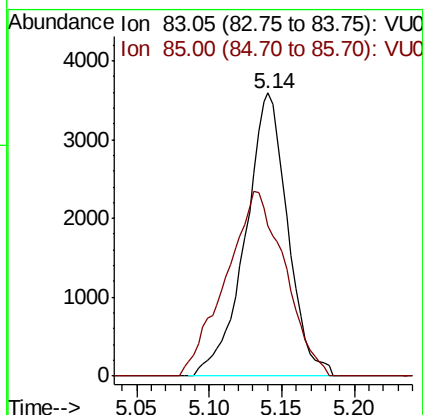
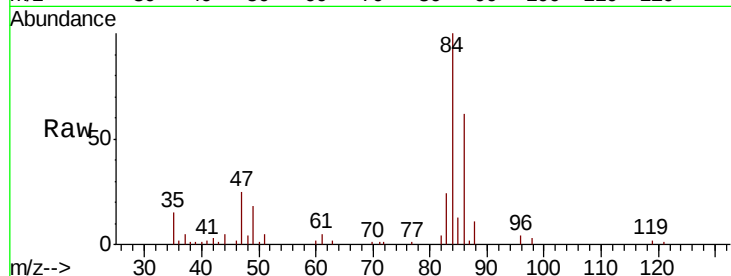




#25
Chloroform
Concen: 0.204 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035381.D
Acq: 22 Oct 2019 22:31

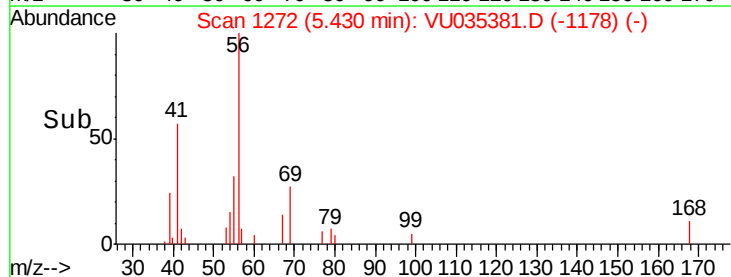
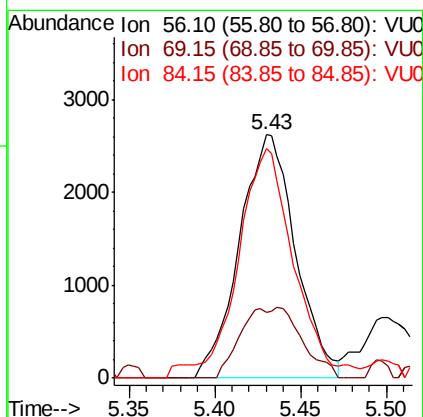
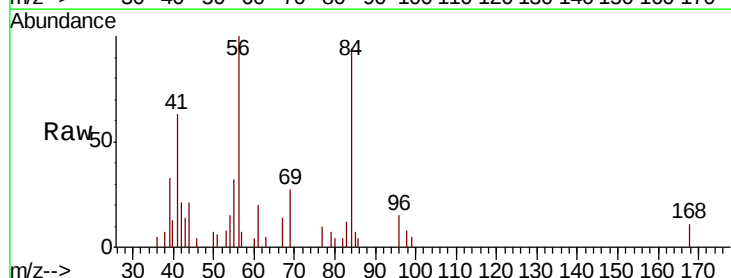
Instrument :
MSVOA_U
ClientSampleId :

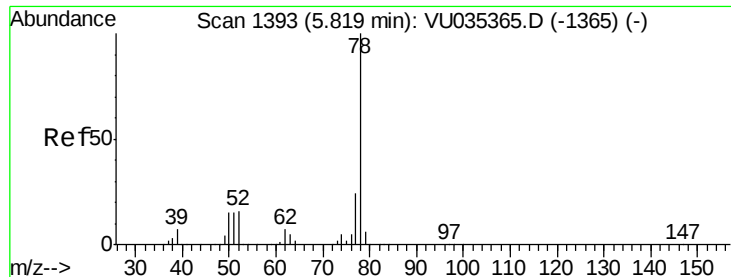
Tot Ion: 83 Resp: 7271
Ion Ratio Lower Upper
83 100
85 52.9 45.1 83.9



#30
Cyclohexane
Concen: 0.183 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035381.D
Acq: 22 Oct 2019 22:31

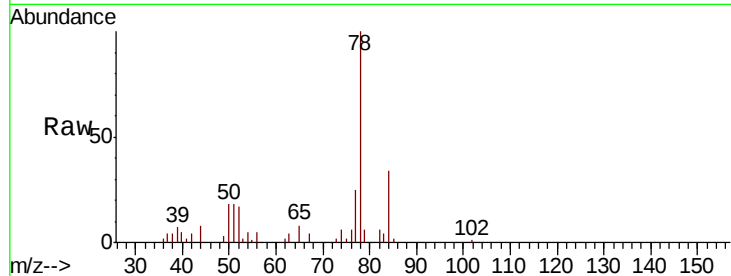
Tgt Ion: 56 Resp: 5934
Ion Ratio Lower Upper
56 100
69 14.4 24.6 36.8#
84 92.7 71.5 107.3



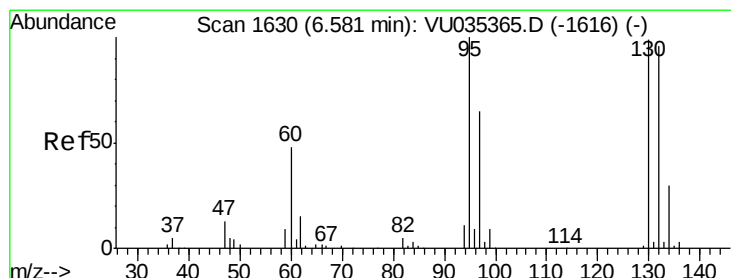
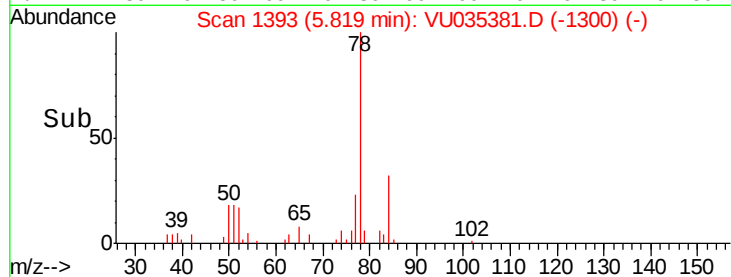
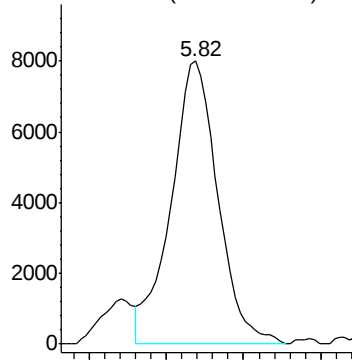


#33
Benzene
Concen: 0.222 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035381.D
Acq: 22 Oct 2019 22:31
Tgt Ion: 78 Resp: 16827

Instrument :
MSVOA_U
ClientSampled :

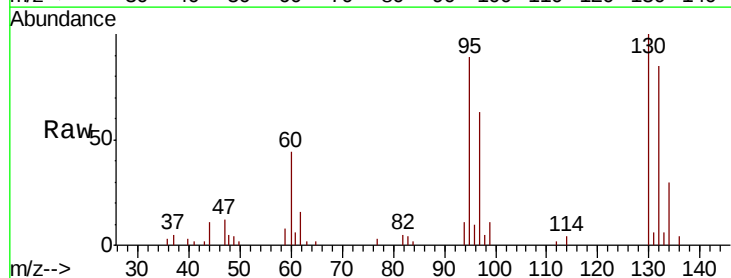


Abundance Ion 78.10 (77.80 to 78.80): VU0



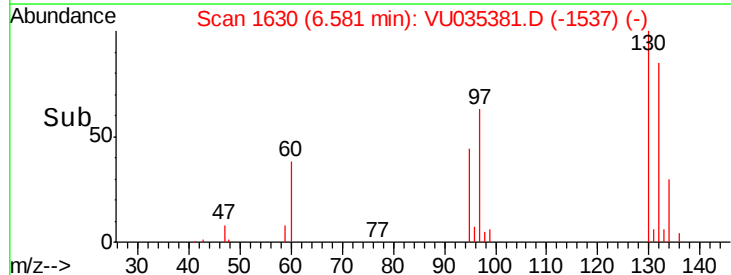
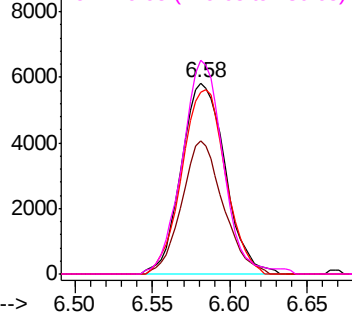
#34
Trichloroethene
Concen: 0.565 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU035381.D
Acq: 22 Oct 2019 22:31

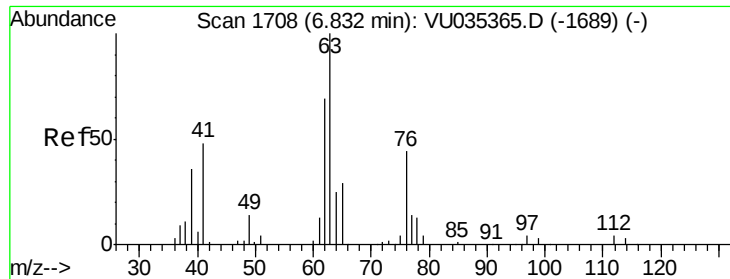
Tgt Ion: 95 Resp: 11529
Ion Ratio Lower Upper
95 100
97 70.0 46.6 86.6
132 95.3 68.7 127.7
130 111.9 73.9 137.3



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

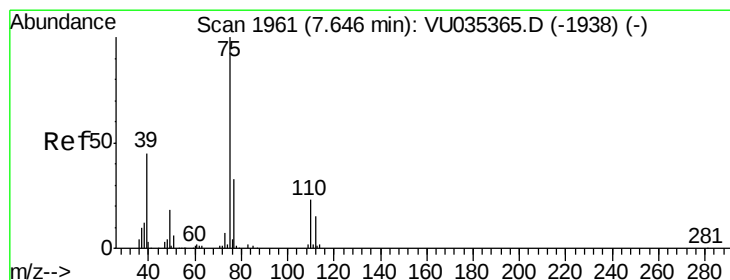
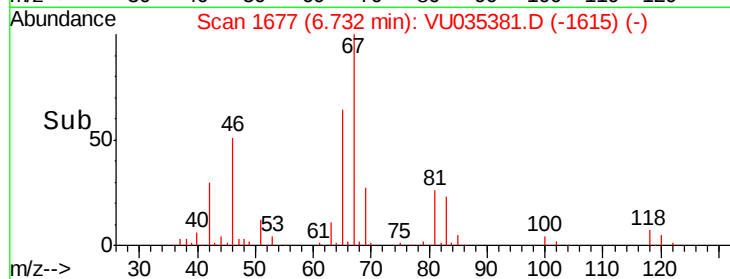
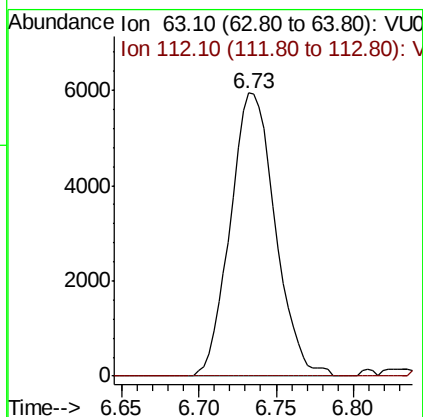
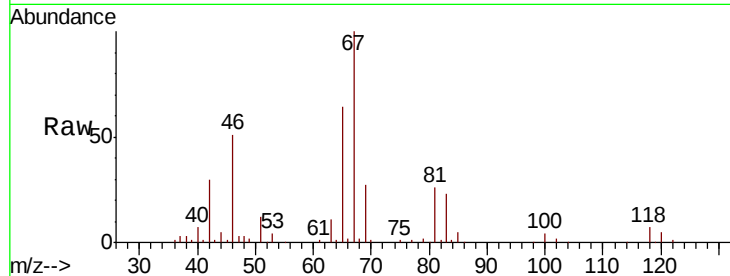




#37
 1,2-Dichloropropane
 Concen: 0.622 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU035381.D
 Acq: 22 Oct 2019 22:31

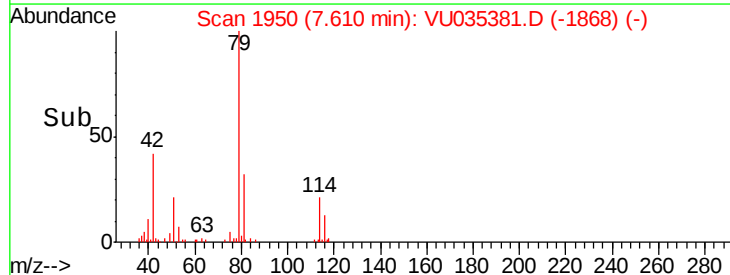
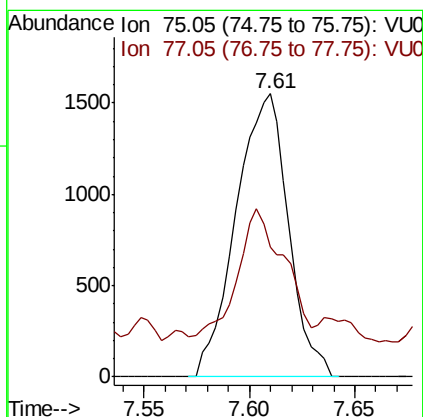
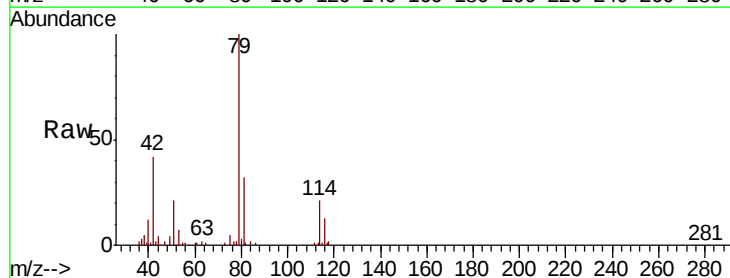
Instrument :
 MSVOA_U
 ClientSampled :

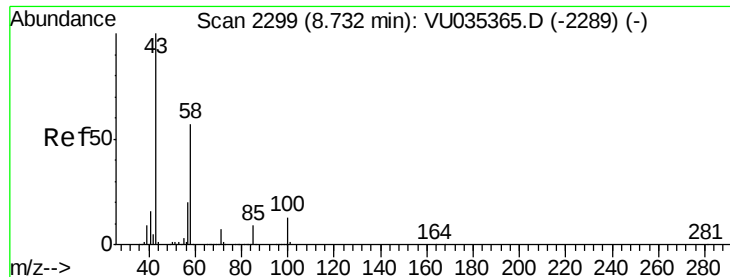
Tot Ion: 63 Resp: 11994
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.61 min Scan# 1950
 Delta R.T. -0.04 min
 Lab File: VU035381.D
 Acq: 22 Oct 2019 22:31

Tgt Ion: 75 Resp: 2673
 Ion Ratio Lower Upper
 75 100
 77 45.6 22.7 42.1#

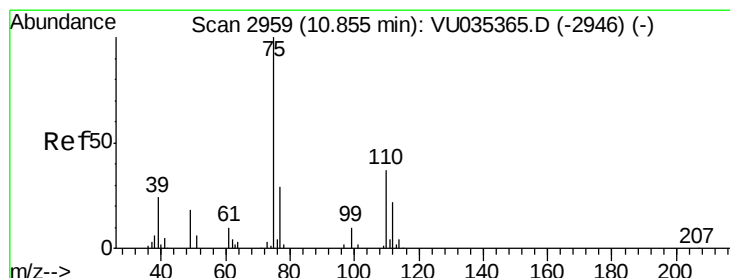
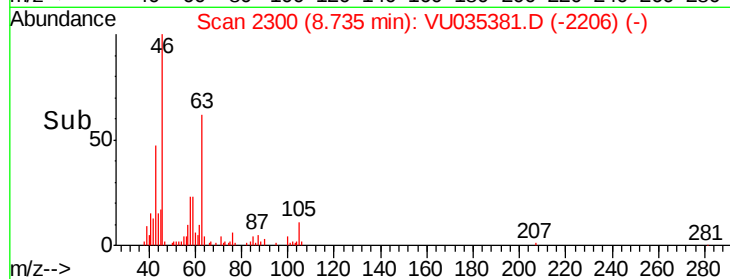
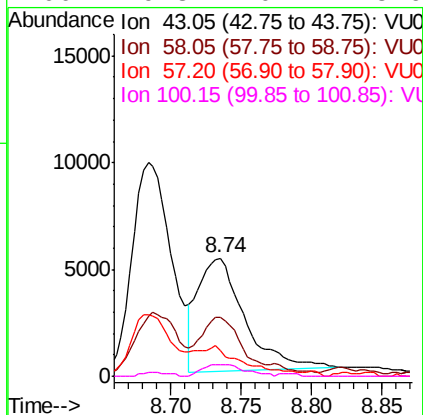
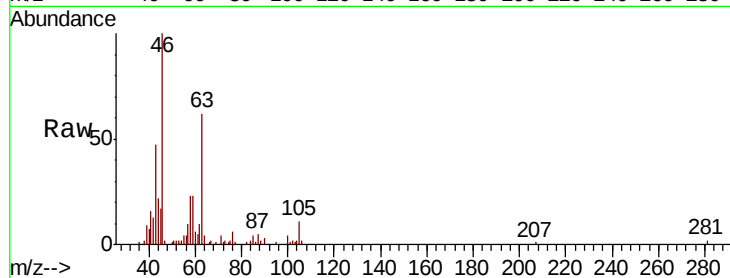




#48
 2-Hexanone
 Concen: 1.350 ug/L
 RT: 8.74 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VU035381.D
 Acq: 22 Oct 2019 22:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 43 Resp: 12326
 Ion Ratio Lower Upper
 43 100
 58 45.2 45.1 67.7
 57 16.1 16.0 24.0
 100 9.3 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.914 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU035381.D
 Acq: 22 Oct 2019 22:31

Tgt Ion: 75 Resp: 12281
 Ion Ratio Lower Upper
 75 100
 77 36.8 26.2 39.2

