

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112219\
 Data File : VU035819.D
 Acq On : 22 Nov 2019 13:34
 Operator : JC/SP
 Sample : K5930-19 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 00:17:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 23 00:14:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	235541	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.46	117	278181	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	70029	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	135688	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.93	69	126852	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.60	63	183086	3.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.00%
20) 2-Butanone-d5	4.69	46	321755	45.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.38%
24) Chloroform-d	5.11	84	236093	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.75	65	137796	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.77	84	458857	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.74	67	166192	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.93	98	360224	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.60%
43) trans-1,3-Dichloropropene-	8.22	79	52177	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	8.70	63	188316	33.67	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	67.34%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	118805	3.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	74711	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

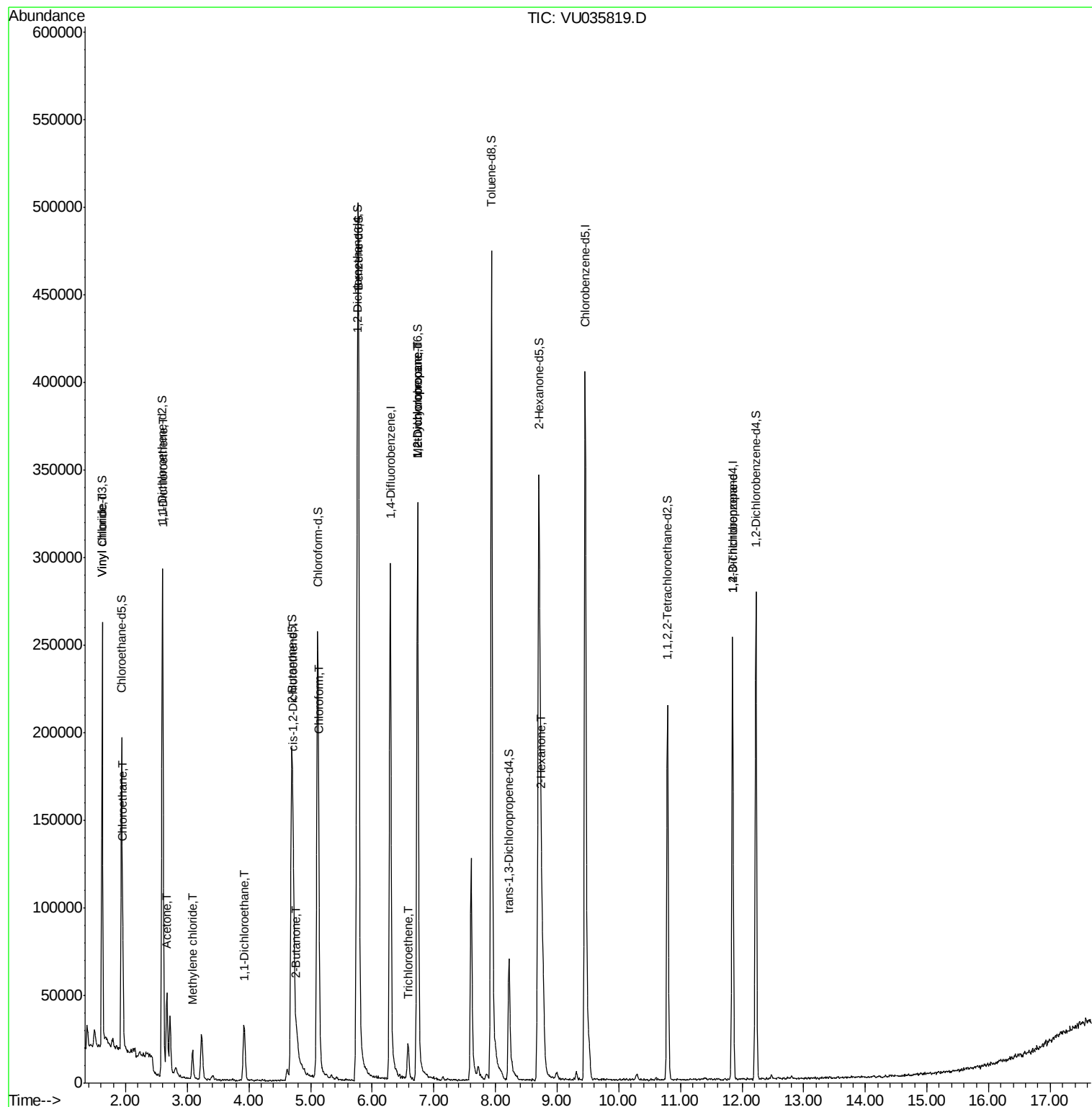
					Ovalue
5) Vinyl chloride	1.62	62	43269	1.100	ug/L # 74
8) Chloroethane	1.96	64	33780	1.484	ug/L 98
12) 1,1-Dichloroethene	2.61	96	16040	0.654	ug/L # 1
13) Acetone	2.67	43	57440	9.185	ug/L 99
16) Methylene chloride	3.09	84	6829	0.231	ug/L 97
19) 1,1-Dichloroethane	3.93	63	36814	0.679	ug/L 92
21) 2-Butanone	4.77	43	16473	2.082	ug/L 77
22) cis-1,2-Dichloroethene	4.72	96	31721	1.180	ug/L 95
25) Chloroform	5.14	83	30414	0.576	ug/L 99
34) Trichloroethene	6.58	95	6769	0.238	ug/L 93
35) Methylcyclohexane	6.74	83	35128	0.841	ug/L # 14
37) 1,2-Dichloropropane	6.74	63	18077	0.549	ug/L # 90
48) 2-Hexanone	8.75	43	31956	2.147	ug/L # 48
59) 1,2,3-Trichloropropane	11.84	75	9222	0.431	ug/L # 84

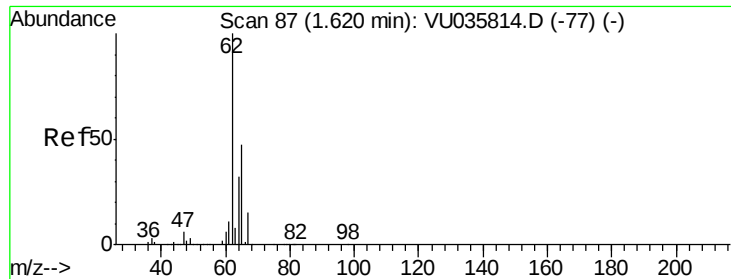
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 23 00:14:30 2019
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#5

Vinyl chloride

Concen: 1.100 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035819.D

Acq: 22 Nov 2019 13:34

Instrument :

MSVOA_U

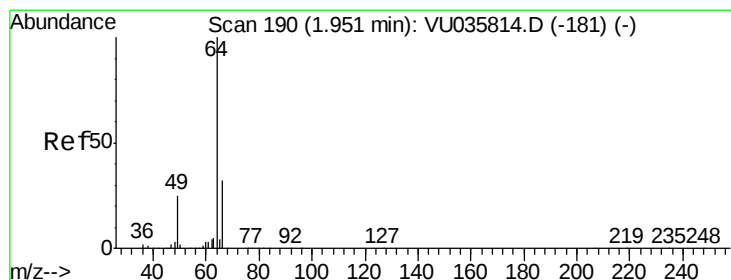
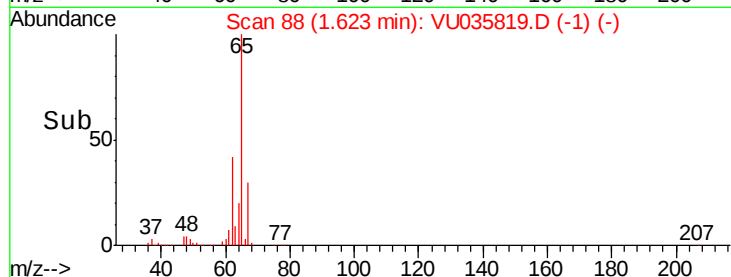
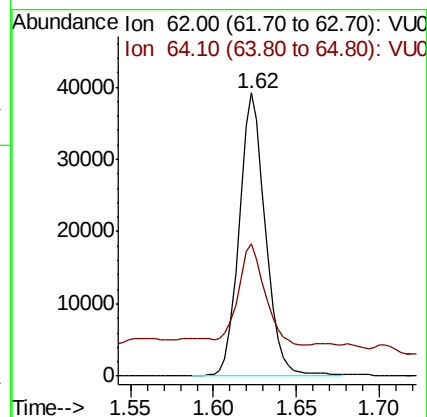
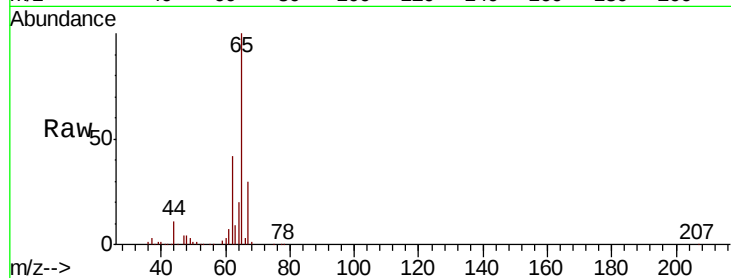
ClientSampled :

Tot Ion: 62 Resp: 43269

Ion Ratio Lower Upper

62 100

64 46.6 22.5 41.9#



#8

Chloroethane

Concen: 1.484 ug/L

RT: 1.96 min Scan# 192

Delta R.T. 0.01 min

Lab File: VU035819.D

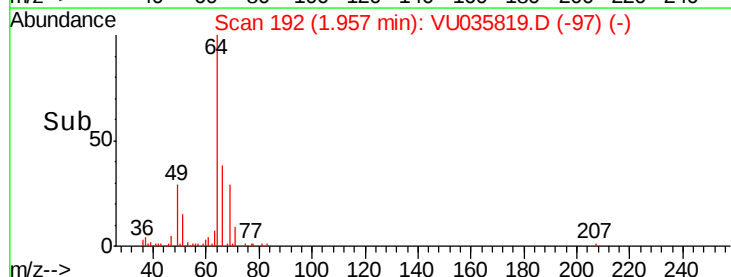
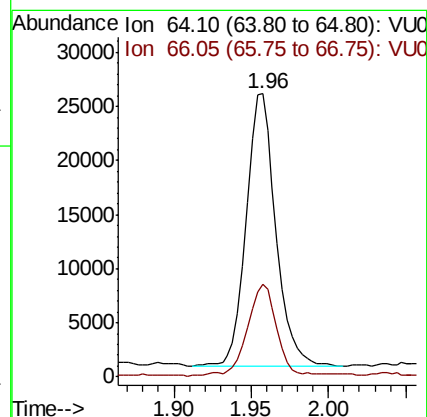
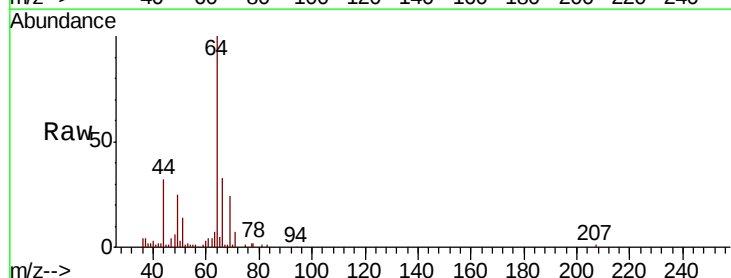
Acq: 22 Nov 2019 13:34

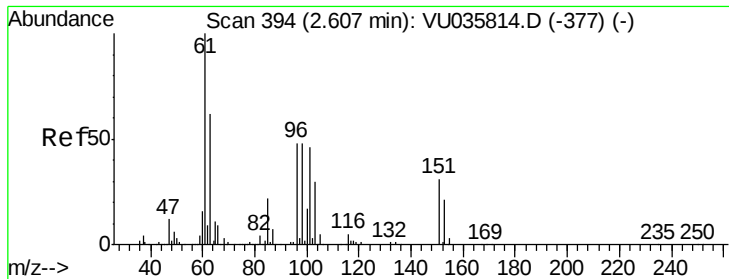
Tgt Ion: 64 Resp: 33780

Ion Ratio Lower Upper

64 100

66 32.8 22.3 41.5

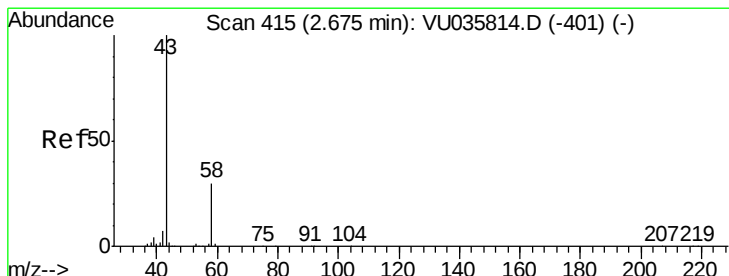
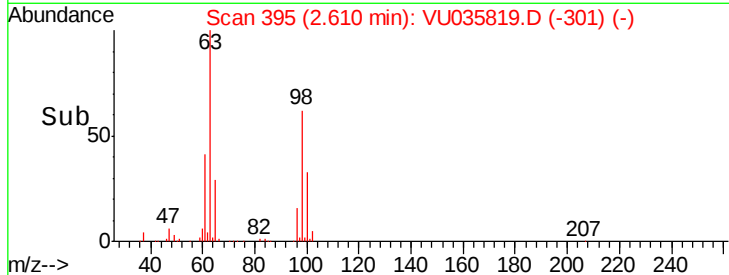
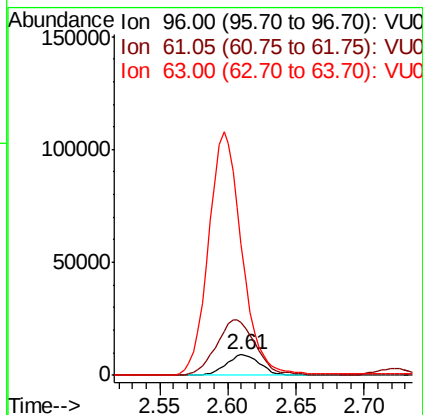
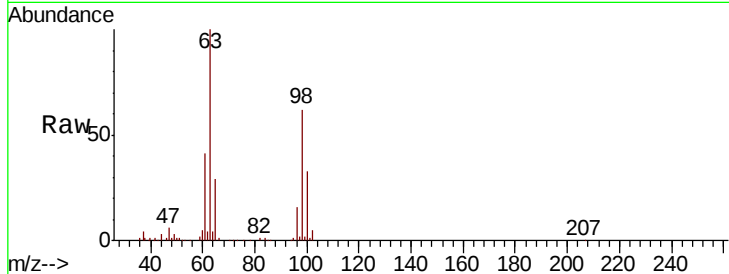




#12
 1,1-Dichloroethene
 Concen: 0.654 ug/L
 RT: 2.61 min Scan# 395
 Delta R.T. 0.00 min
 Lab File: VU035819.D
 Acq: 22 Nov 2019 13:34

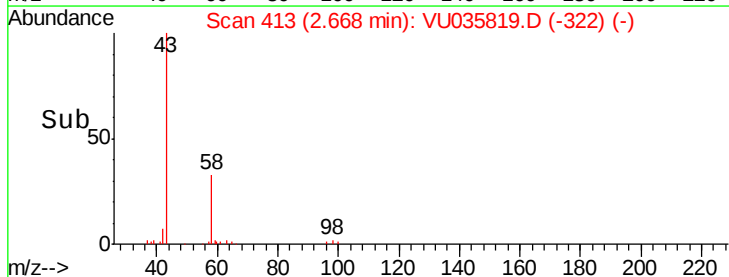
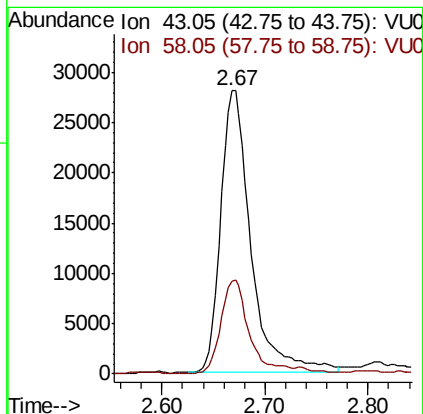
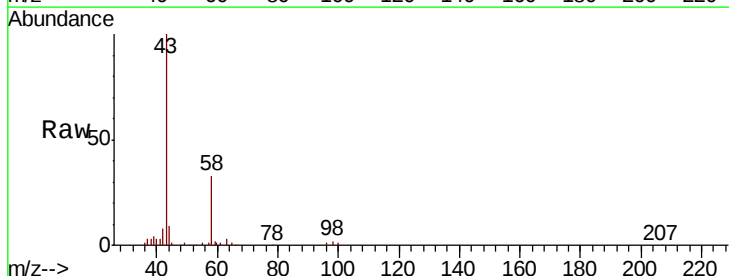
Instrument :
 MSVOA_U
 ClientSampleId :

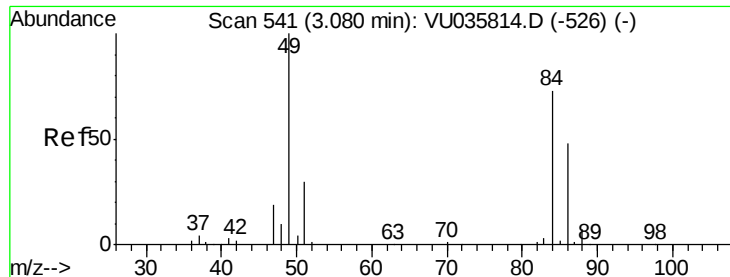
Tot Ion	Resp	Lower	Upper
96	16040		
Ion Ratio			
96	100		
61	254.4	139.3	258.7
63	627.1	93.7	174.1#



#13
 Acetone
 Concen: 9.185 ug/L
 RT: 2.67 min Scan# 413
 Delta R.T. -0.01 min
 Lab File: VU035819.D
 Acq: 22 Nov 2019 13:34

Tgt Ion	Resp	Lower	Upper
43	57440		
Ion Ratio			
43	100		
58	31.4	0.0	61.2

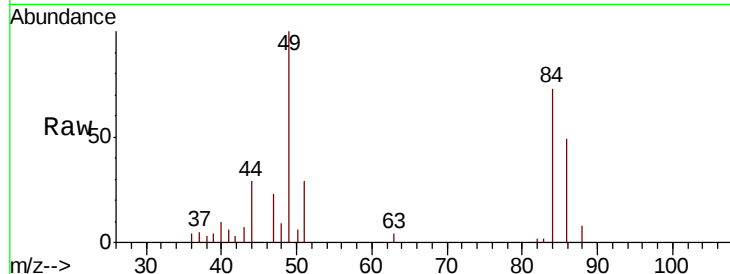




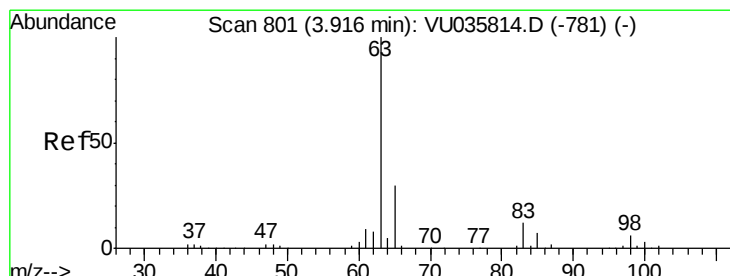
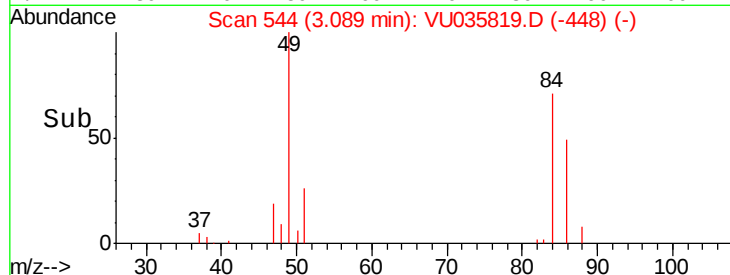
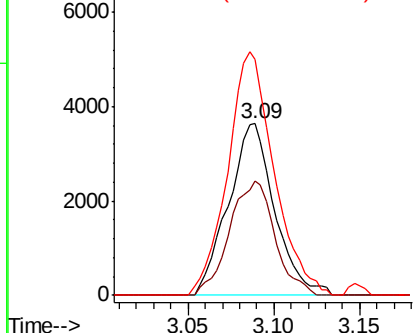
#16
Methvlene chloride
Concen: 0.231 ug/L
RT: 3.09 min Scan# 544
Delta R.T. 0.01 min
Lab File: VU035819.D
Acq: 22 Nov 2019 13:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 6829
Ion Ratio Lower Upper
84 100
86 66.7 44.4 82.5
49 137.1 94.0 174.6

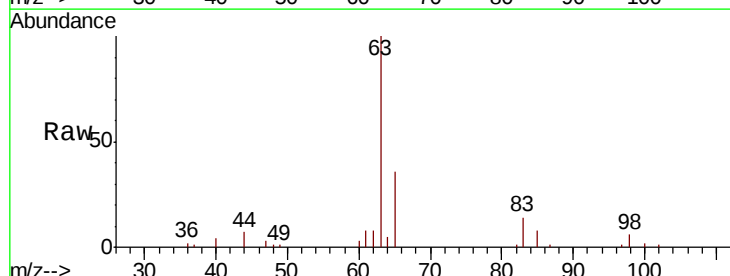


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

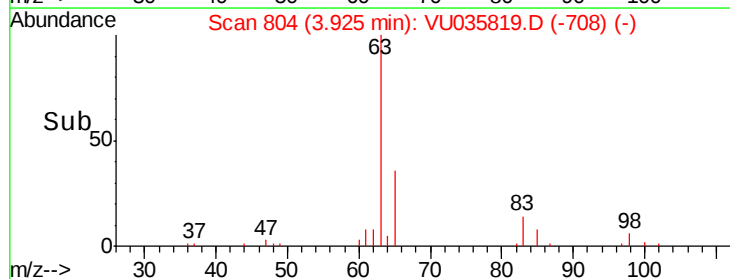
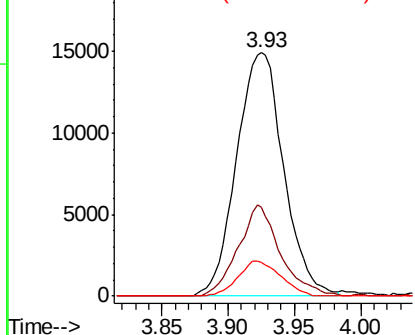


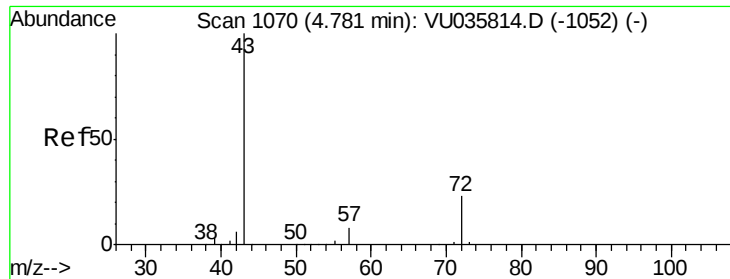
#19
1,1-Dichloroethane
Concen: 0.679 ug/L
RT: 3.93 min Scan# 804
Delta R.T. 0.01 min
Lab File: VU035819.D
Acq: 22 Nov 2019 13:34

Tgt Ion: 63 Resp: 36814
Ion Ratio Lower Upper
63 100
65 36.5 21.8 40.4
83 13.6 8.6 16.0



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

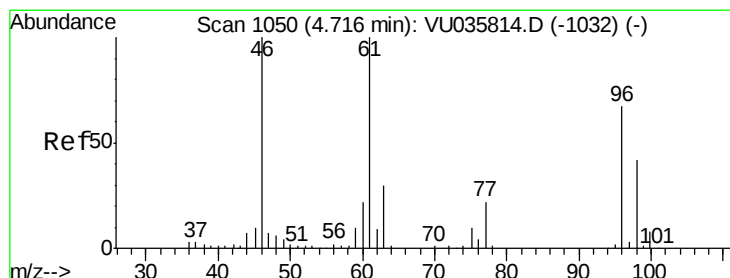
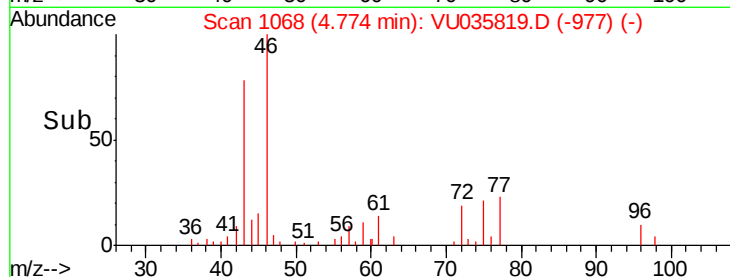
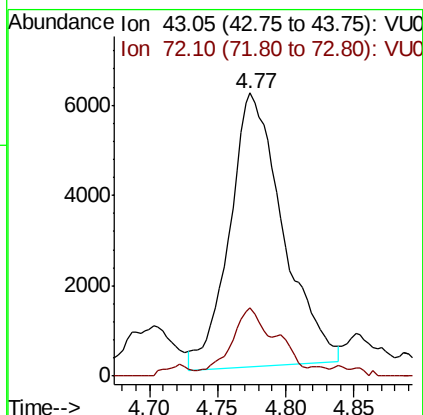
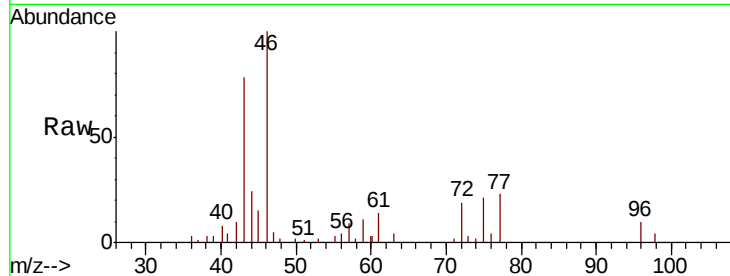




#21
2-Butanone
Concen: 2.082 ug/L
RT: 4.77 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VU035819.D
Acq: 22 Nov 2019 13:34

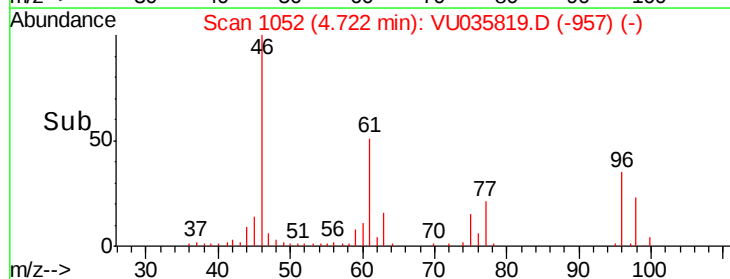
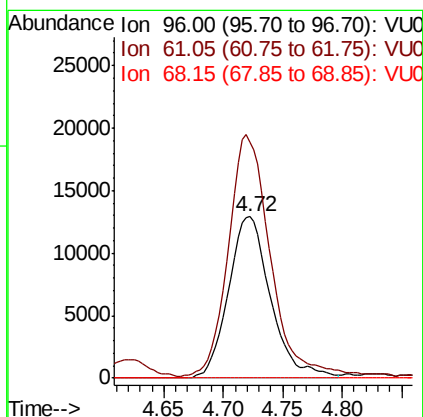
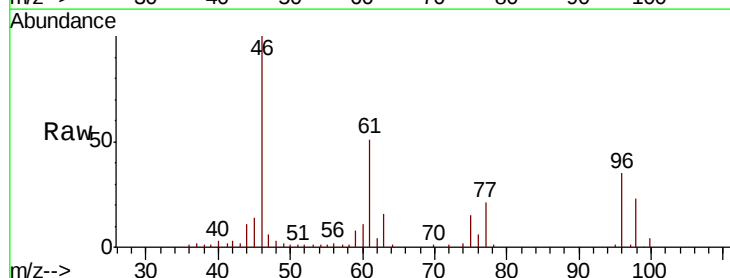
Instrument :
MSVOA_U
ClientSampleId :

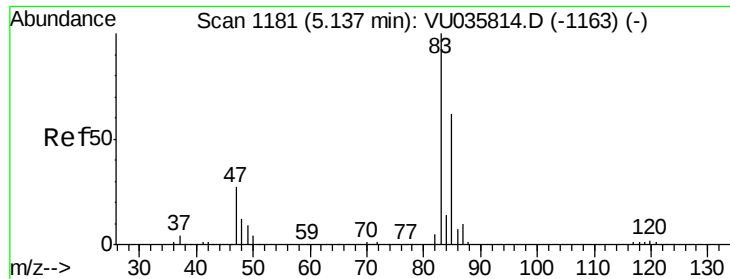
Tot Ion: 43 Resp: 16473
Ion Ratio Lower Upper
43 100
72 13.5 12.4 37.4



#22
cis-1,2-Dichloroethene
Concen: 1.180 ug/L
RT: 4.72 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VU035819.D
Acq: 22 Nov 2019 13:34

Tgt Ion: 96 Resp: 31721
Ion Ratio Lower Upper
96 100
61 146.7 98.1 182.1
68 0.0 0.0 0.0

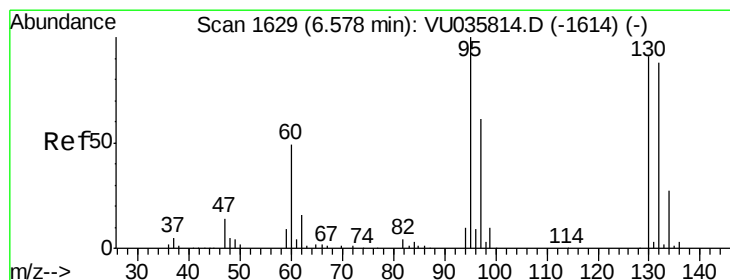
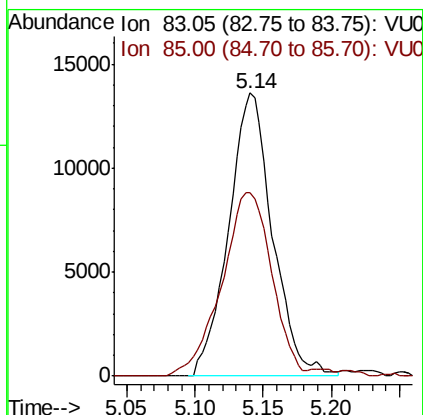
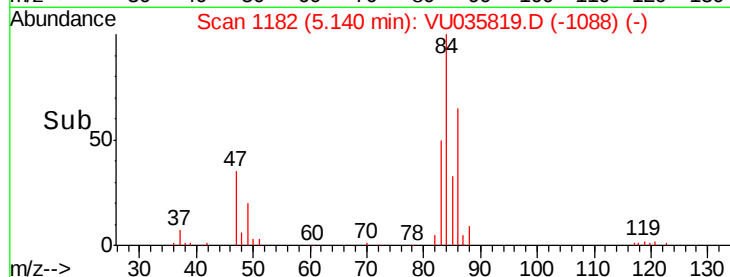
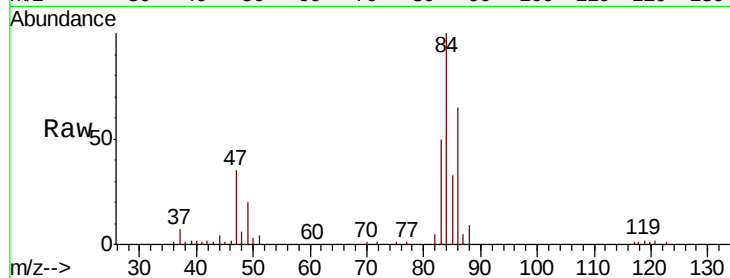




#25
Chloroform
Concen: 0.576 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035819.D
Acq: 22 Nov 2019 13:34

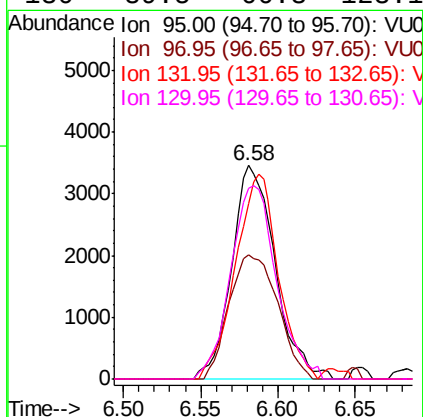
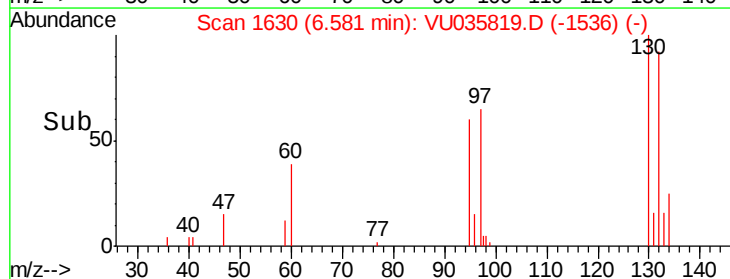
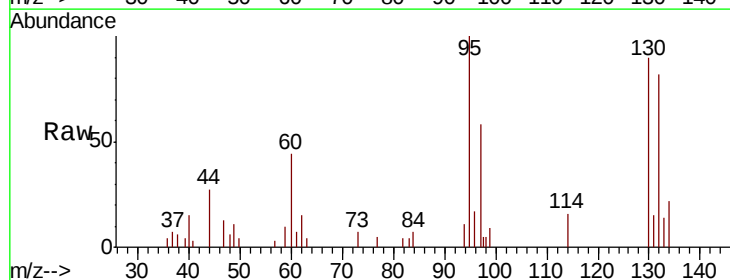
Instrument :
MSVOA_U
ClientSampled :

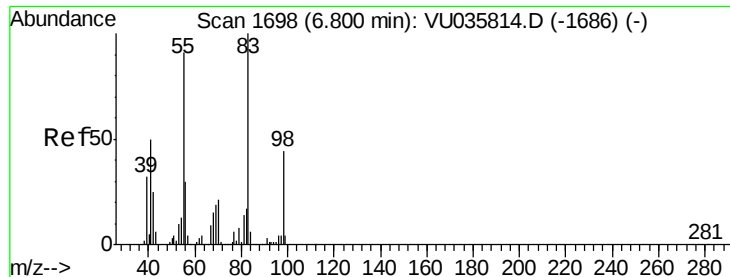
Tot Ion: 83 Resp: 30414
Ion Ratio Lower Upper
83 100
85 64.8 44.6 82.8



#34
Trichloroethene
Concen: 0.238 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU035819.D
Acq: 22 Nov 2019 13:34

Tgt Ion: 95 Resp: 6769
Ion Ratio Lower Upper
95 100
97 58.3 45.1 83.9
132 82.1 61.9 114.9
130 89.5 66.3 123.1

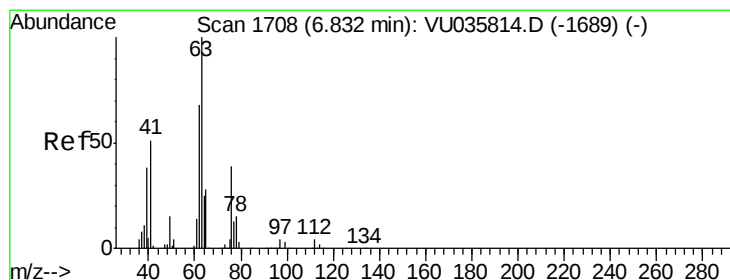
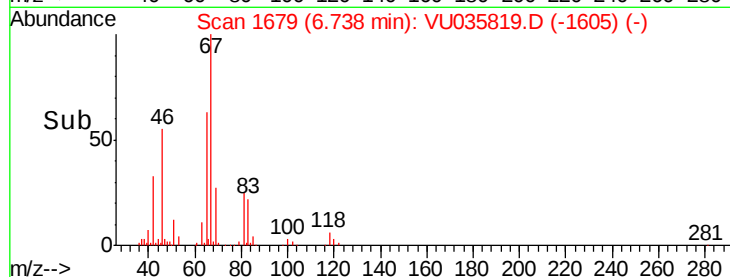
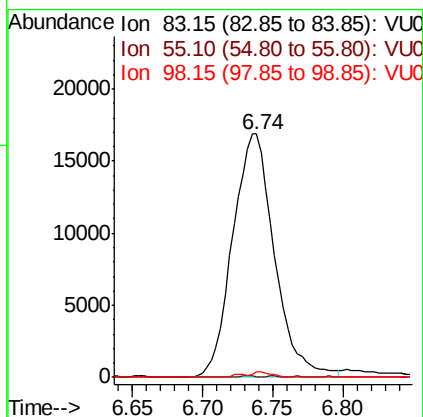
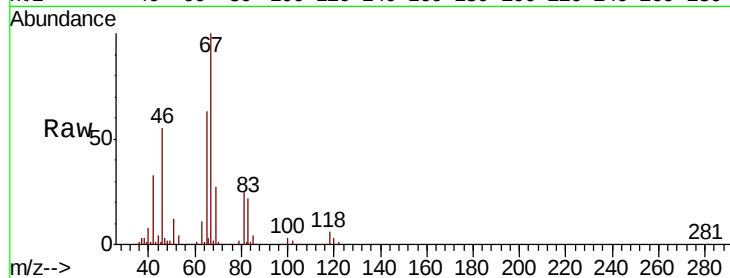




#35
Methylcyclohexane
Concen: 0.841 ug/L
RT: 6.74 min Scan# 1679
Delta R.T. -0.06 min
Lab File: VU035819.D
Acq: 22 Nov 2019 13:34

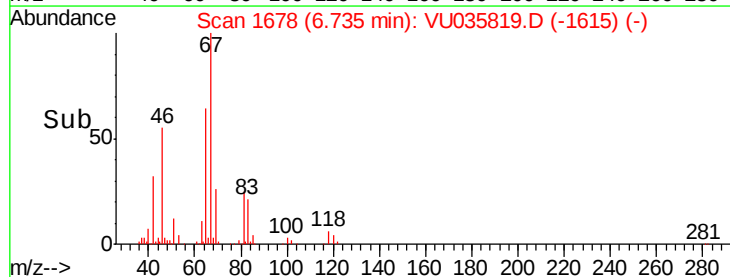
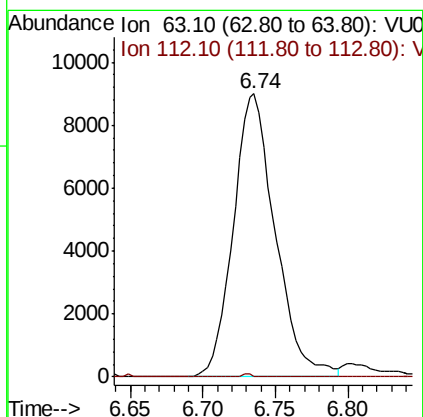
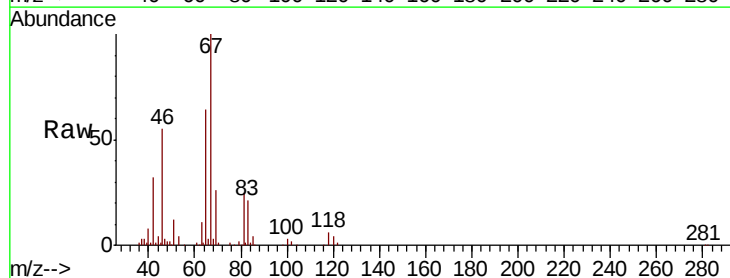
Instrument :
MSVOA_U
ClientSampleId :

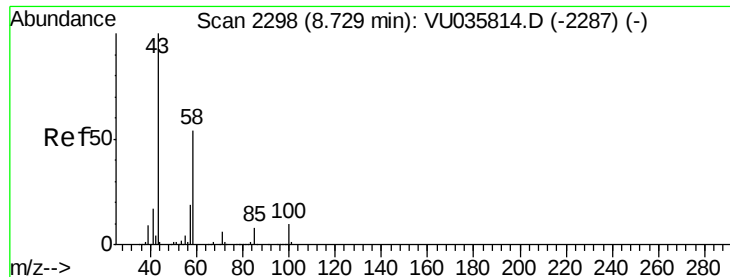
Tot Ion: 83 Resp: 35128
Ion Ratio Lower Upper
83 100
55 0.2 72.7 109.1#
98 1.0 36.2 54.4#



#37
1,2-Dichloropropane
Concen: 0.549 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035819.D
Acq: 22 Nov 2019 13:34

Tgt Ion: 63 Resp: 18077
Ion Ratio Lower Upper
63 100
112 0.2 2.7 4.1#

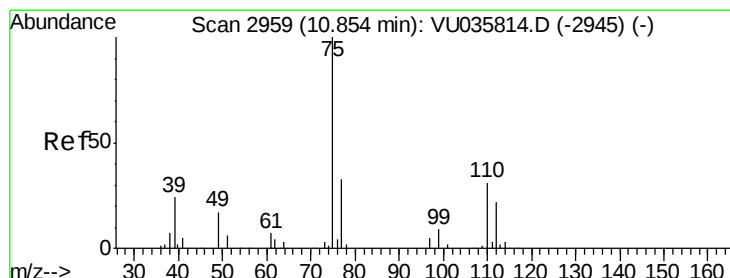
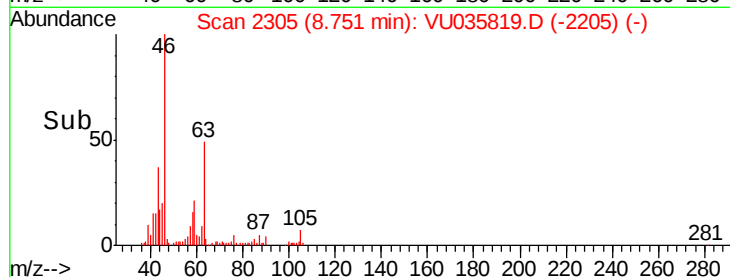
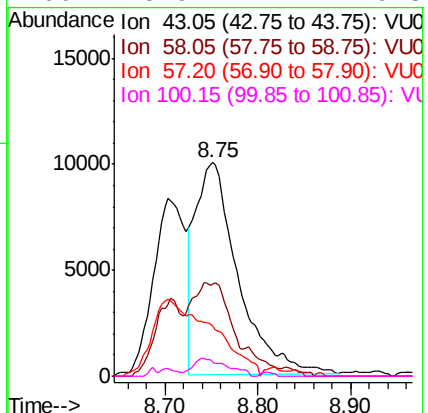
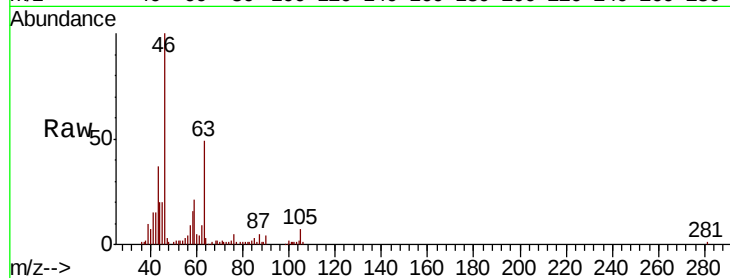




#48
 2-Hexanone
 Concen: 2.147 ug/L
 RT: 8.75 min Scan# 2305
 Delta R.T. 0.02 min
 Lab File: VU035819.D
 Acq: 22 Nov 2019 13:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 43 Resp: 31956
 Ion Ratio Lower Upper
 43 100
 58 5.5 39.8 59.8#
 57 0.0 14.0 21.0#
 100 6.9 7.2 10.8#



#59
 1,2,3-Trichloropropane
 Concen: 0.431 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU035819.D
 Acq: 22 Nov 2019 13:34

Tgt Ion: 75 Resp: 9222
 Ion Ratio Lower Upper
 75 100
 77 40.5 25.4 38.2#

