

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111919\
 Data File : VU035770.D
 Acq On : 19 Nov 2019 14:53
 Operator : JC/SP
 Sample : K5930-02 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 20 00:41:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 20 00:37:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	196868	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	228442	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	87881	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	79896	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.93	69	77167	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.59	63	108041	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.70	46	218690	48.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.76%
24) Chloroform-d	5.11	84	159140	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.75	65	81993	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.77	84	309742	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.74	67	106854	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.93	98	244680	3.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.80%
43) trans-1,3-Dichloropropene-	8.21	79	36586	3.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.80%
46) 2-Hexanone-d5	8.70	63	148237	40.74	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.48%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	91364	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	84397	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

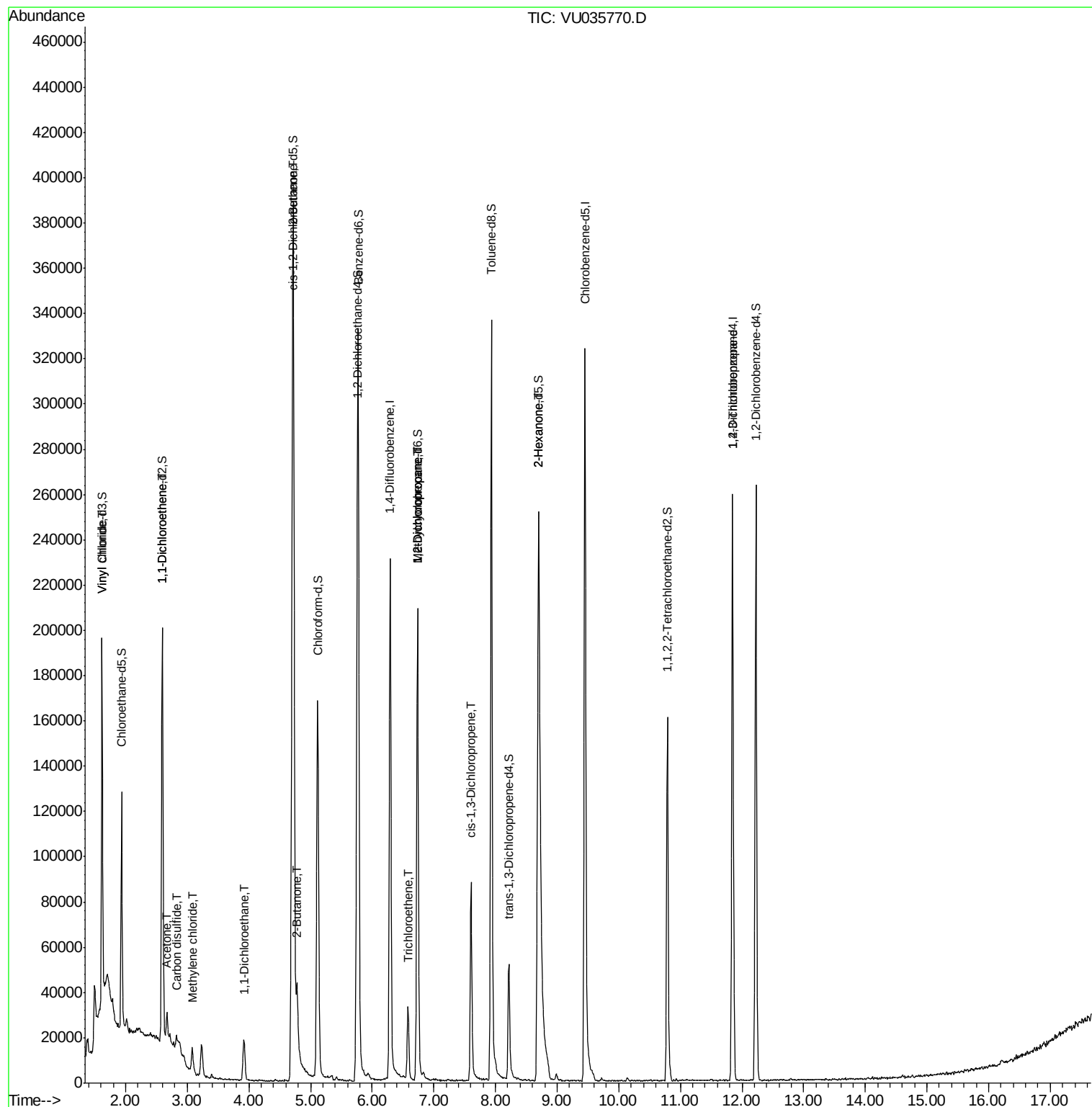
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	43139	1.723	ug/L #	16
12) 1,1-Dichloroethene	2.61	96	6665	0.385	ug/L #	1
13) Acetone	2.67	43	14398	4.464	ug/L	100
14) Carbon disulfide	2.83	76	6446	0.115	ug/L #	60
16) Methylene chloride	3.08	84	5324	0.259	ug/L	98
19) 1,1-Dichloroethane	3.92	63	21874	0.661	ug/L	99
21) 2-Butanone	4.78	43	38678	8.075	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	169118	8.591	ug/L	100
34) Trichloroethene	6.58	95	10786	0.524	ug/L	96
35) Methylcyclohexane	6.74	83	23744	0.758	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	11516	0.544	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2434	0.081	ug/L #	38
48) 2-Hexanone	8.71	43	15714	1.815	ug/L #	44
59) 1,2,3-Trichloropropane	11.84	75	9786	0.699	ug/L	95

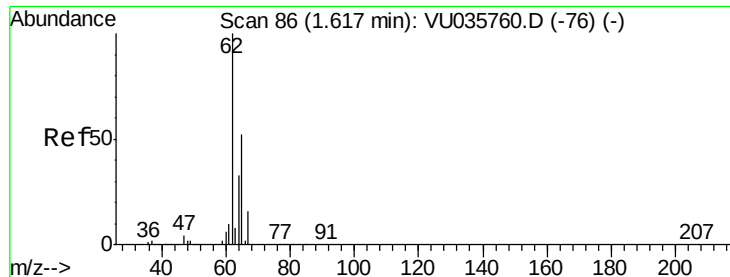
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.723 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035770.D

Acq: 19 Nov 2019 14:53

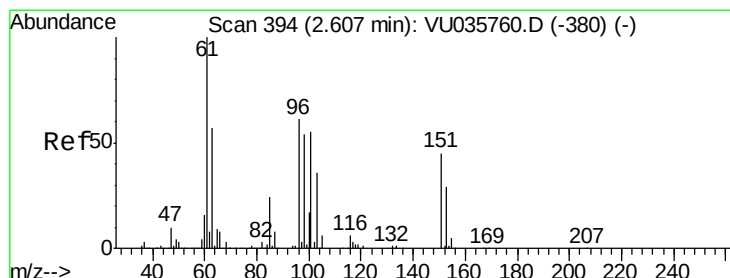
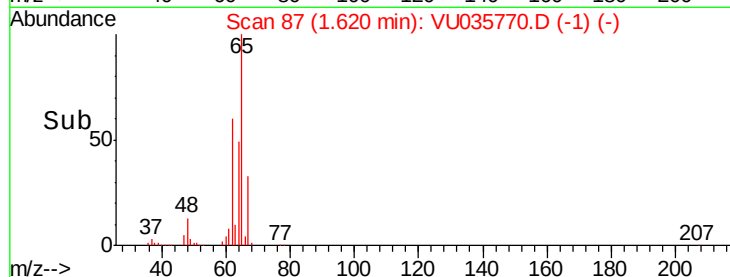
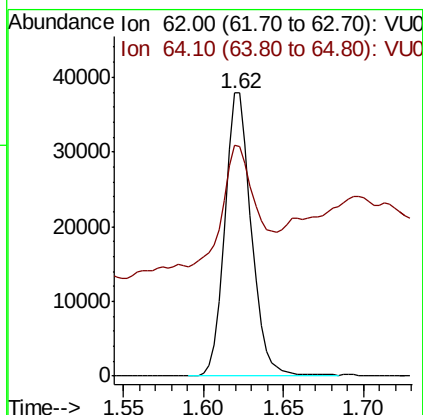
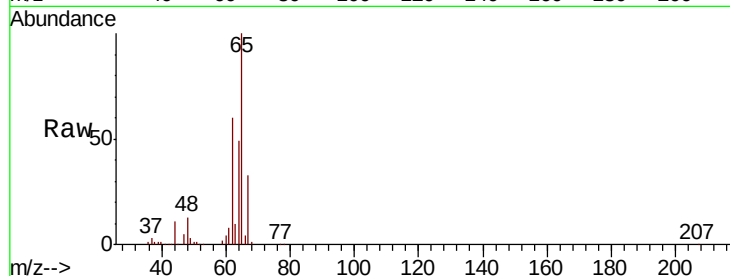
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 43139

Ion Ratio Lower Upper

62 100

64 81.7 23.5 43.7#



#12

1,1-Dichloroethene

Concen: 0.385 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035770.D

Acq: 19 Nov 2019 14:53

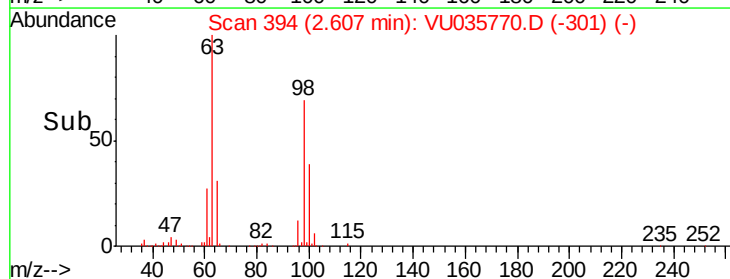
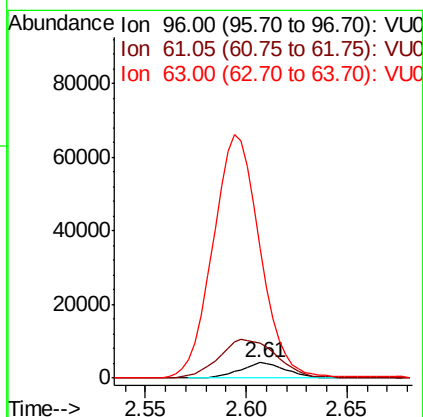
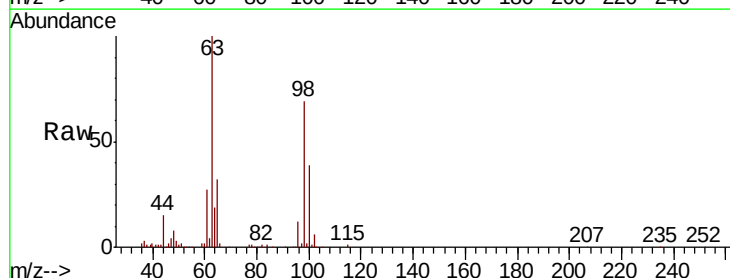
Tgt Ion: 96 Resp: 6665

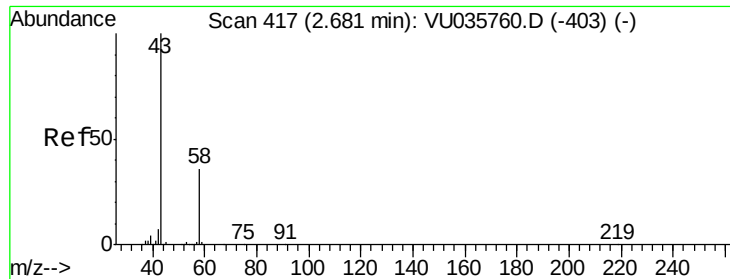
Ion Ratio Lower Upper

96 100

61 226.4 123.1 228.5

63 837.9 87.8 163.0#





#13

Acetone

Concen: 4.464 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035770.D

Acq: 19 Nov 2019 14:53

Instrument :

MSVOA_U

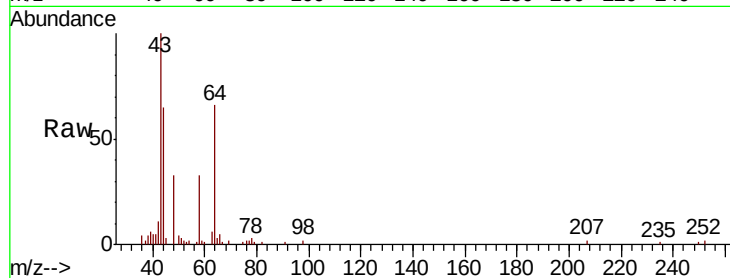
ClientSampled :

Tot Ion: 43 Resp: 14398

Ion Ratio Lower Upper

43 100 0.0 69.8

58 35.1 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035770.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU035770.D (-324) (-)

2.67

8000

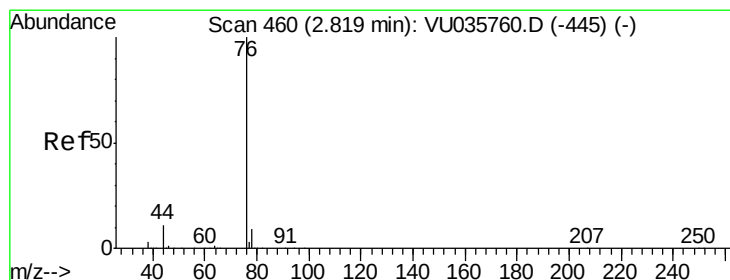
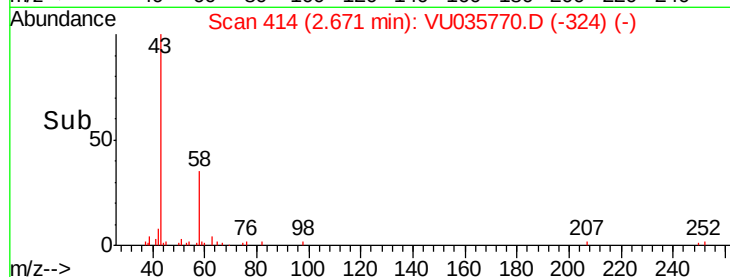
6000

4000

2000

0

Time-->



#14

Carbon disulfide

Concen: 0.115 ug/L

RT: 2.83 min Scan# 463

Delta R.T. 0.01 min

Lab File: VU035770.D

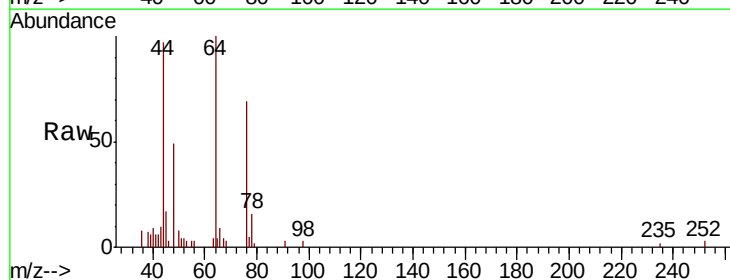
Acq: 19 Nov 2019 14:53

Tgt Ion: 76 Resp: 6446

Ion Ratio Lower Upper

76 100 7.4 11.0

78 23.6 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU035770.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU035770.D (-367) (-)

2.83

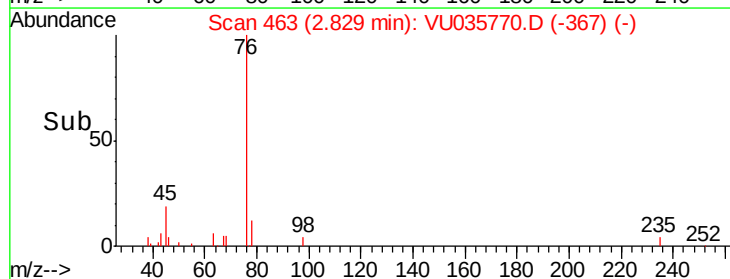
3000

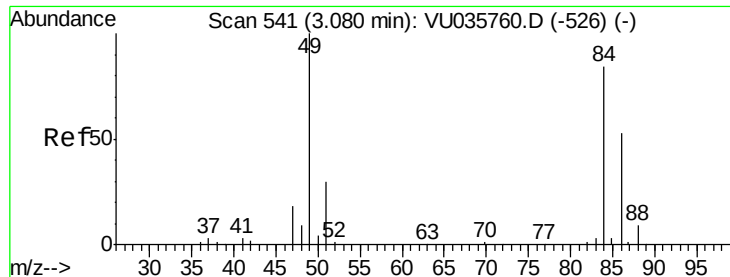
2000

1000

0

Time-->

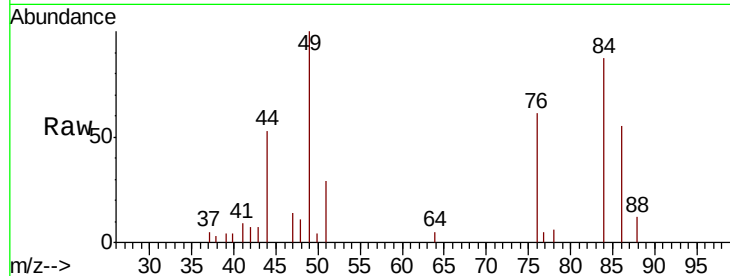




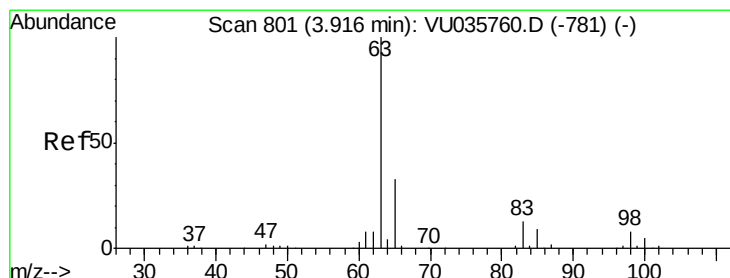
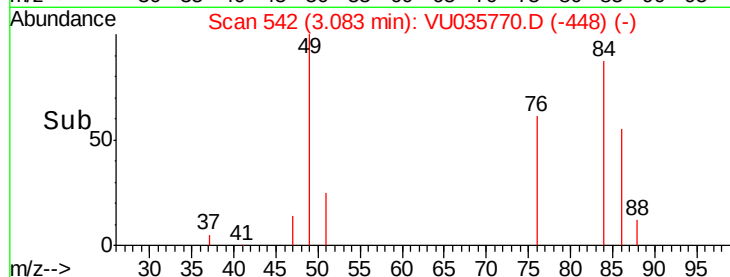
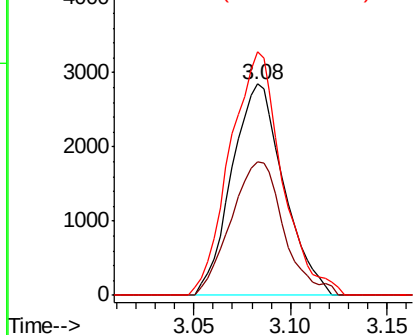
#16
Methvlene chloride
Concen: 0.259 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035770.D
Acq: 19 Nov 2019 14:53

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 5324
Ion Ratio Lower Upper
84 100
86 63.1 45.8 85.2
49 115.1 81.9 152.1

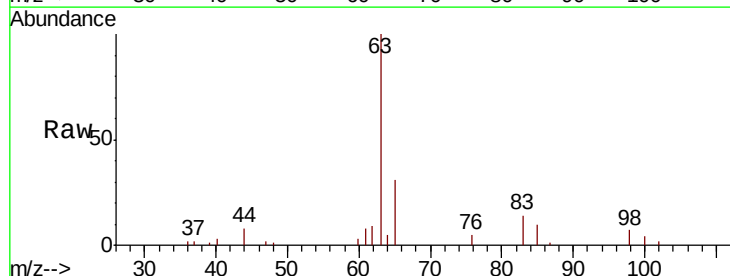


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

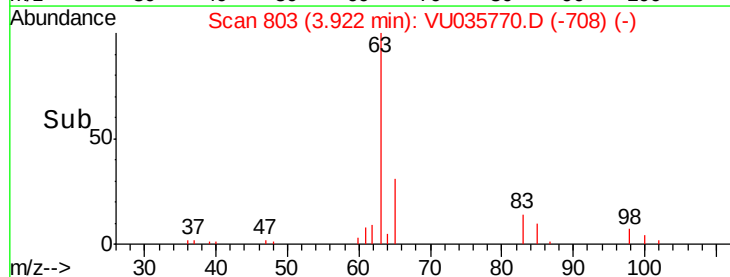
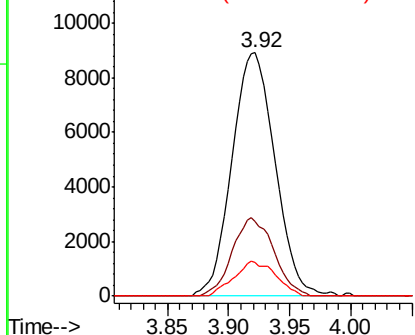


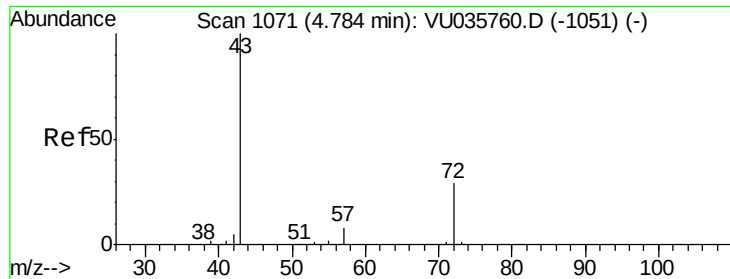
#19
1,1-Dichloroethane
Concen: 0.661 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.01 min
Lab File: VU035770.D
Acq: 19 Nov 2019 14:53

Tgt Ion: 63 Resp: 21874
Ion Ratio Lower Upper
63 100
65 30.6 22.0 40.8
83 13.8 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

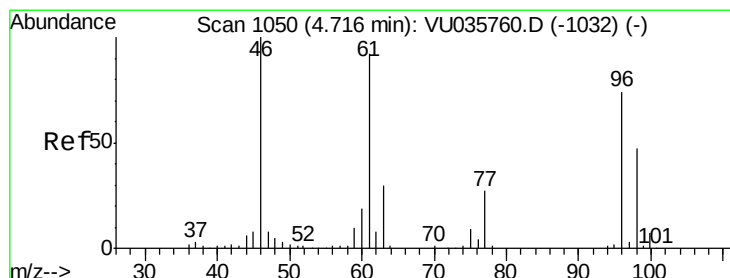
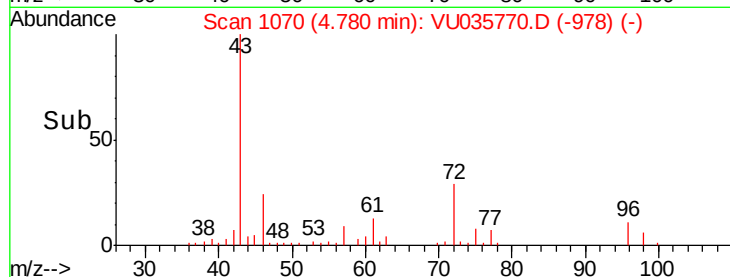
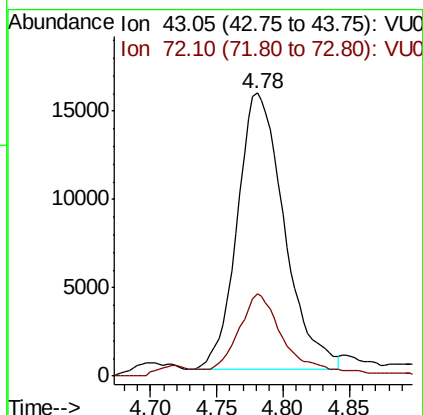
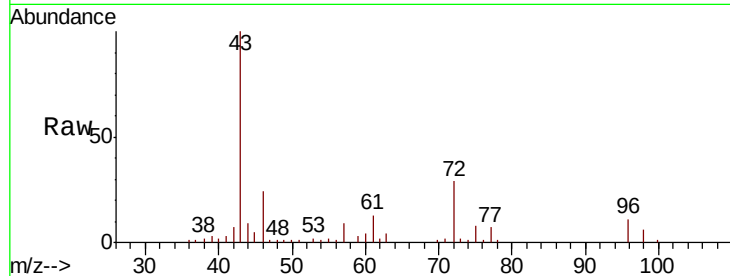




#21
 2-Butanone
 Concen: 8.075 ug/L
 RT: 4.78 min Scan# 1070
 Delta R.T. -0.00 min
 Lab File: VU035770.D
 Acq: 19 Nov 2019 14:53

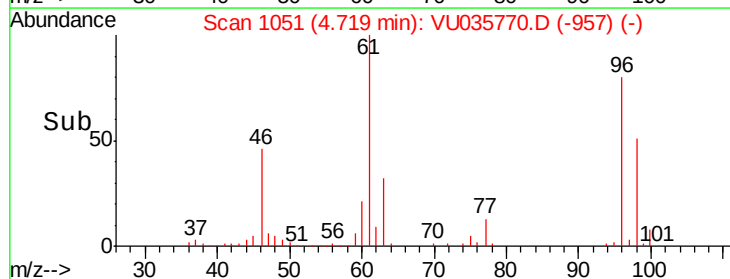
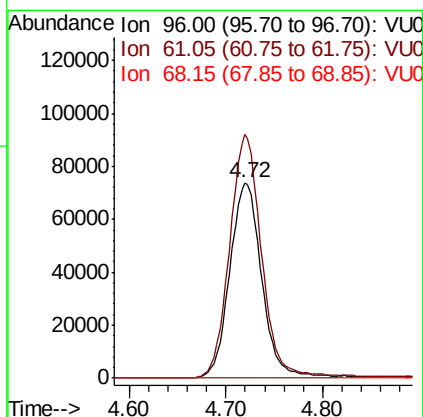
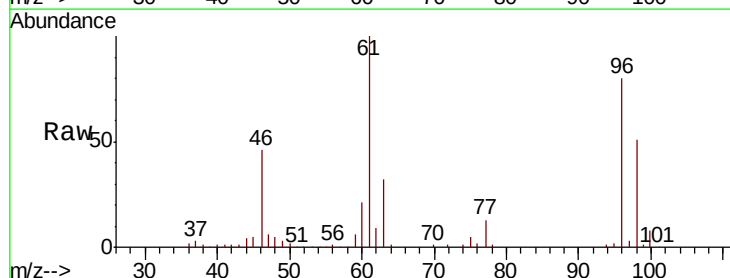
Instrument :
 MSVOA_U
 ClientSampleId :

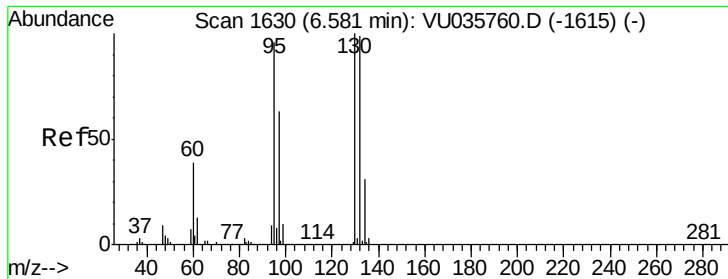
Tot Ion: 43 Resp: 38678
 Ion Ratio Lower Upper
 43 100
 72 30.2 14.3 42.9



#22
 cis-1,2-Dichloroethene
 Concen: 8.591 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035770.D
 Acq: 19 Nov 2019 14:53

Tgt Ion: 96 Resp: 169118
 Ion Ratio Lower Upper
 96 100
 61 124.7 87.0 161.6
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 0.524 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035770.D

Acq: 19 Nov 2019 14:53

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 10786

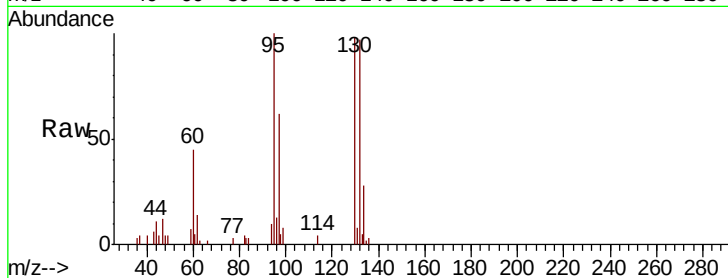
Ion Ratio Lower Upper

95 100

97 62.2 44.5 82.7

132 96.8 69.9 129.7

130 98.4 74.1 137.7

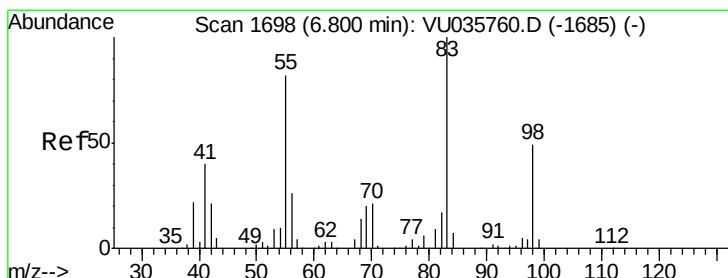
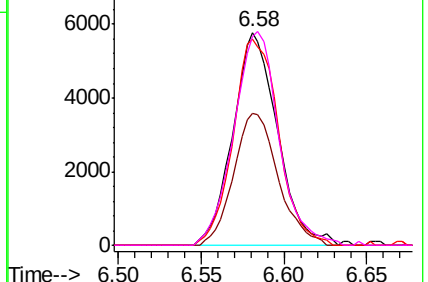
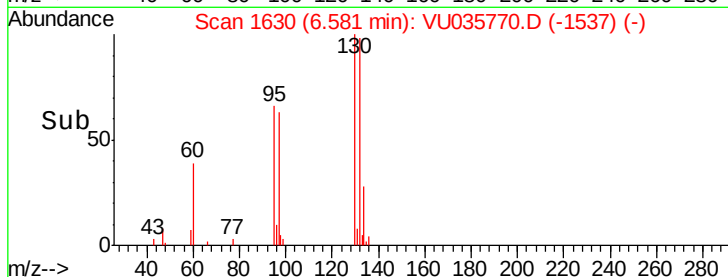


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.758 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035770.D

Acq: 19 Nov 2019 14:53

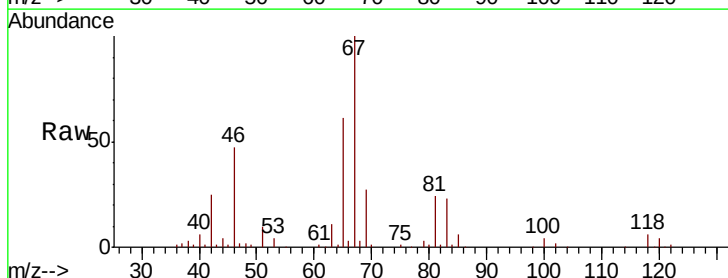
Tgt Ion: 83 Resp: 23744

Ion Ratio Lower Upper

83 100

55 0.6 62.6 93.8#

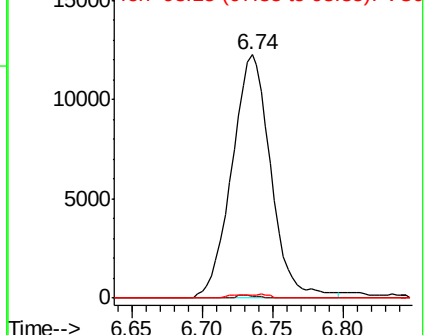
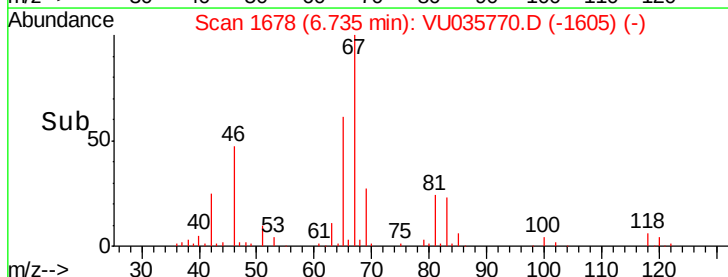
98 0.8 37.2 55.8#

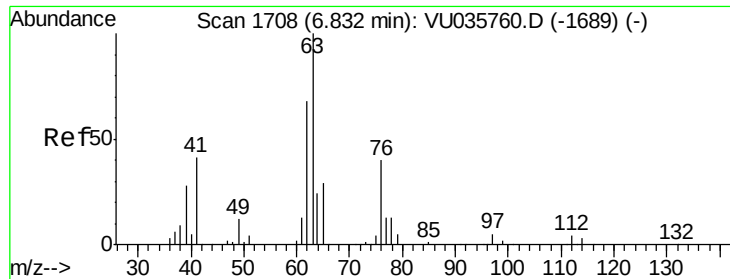


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

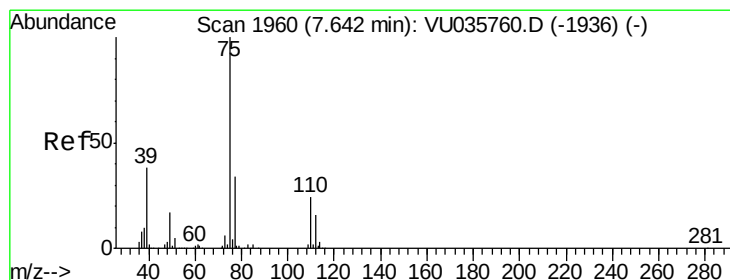
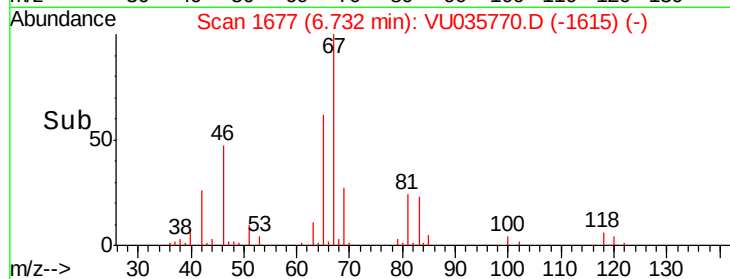
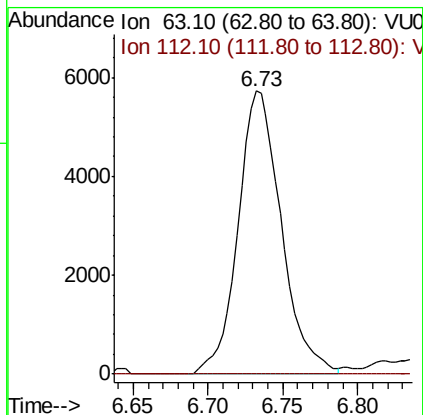
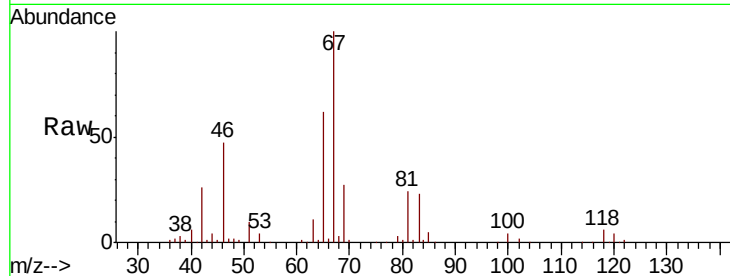




#37
 1,2-Dichloropropane
 Concen: 0.544 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU035770.D
 Acq: 19 Nov 2019 14:53

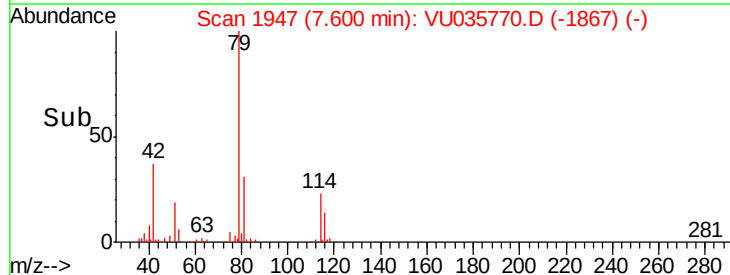
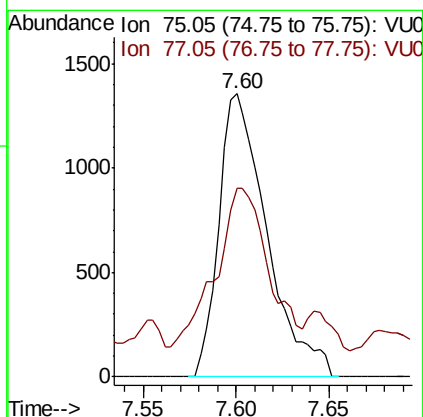
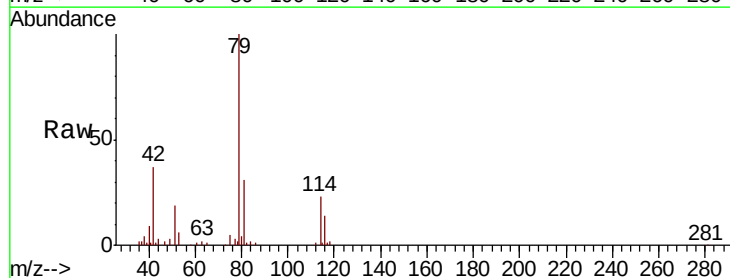
Instrument :
 MSVOA_U
 ClientSampled :

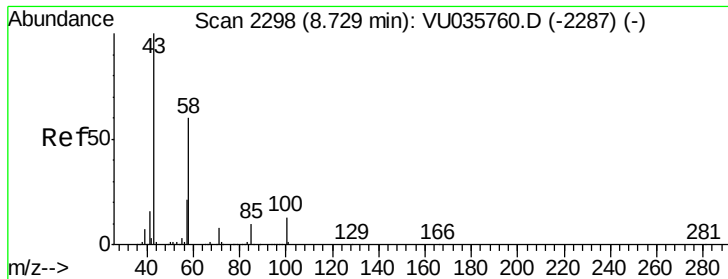
Tot Ion: 63 Resp: 11516
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.081 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU035770.D
 Acq: 19 Nov 2019 14:53

Tgt Ion: 75 Resp: 2434
 Ion Ratio Lower Upper
 75 100
 77 66.5 22.5 41.7#

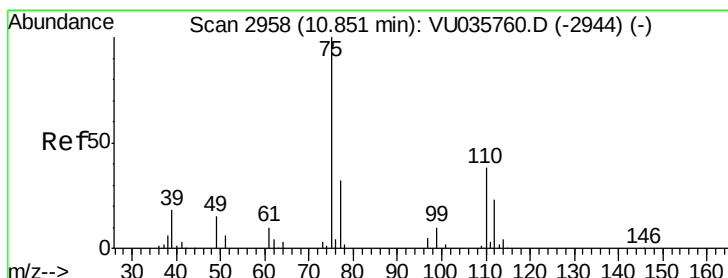
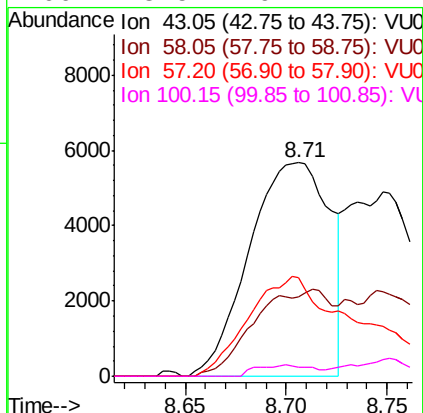
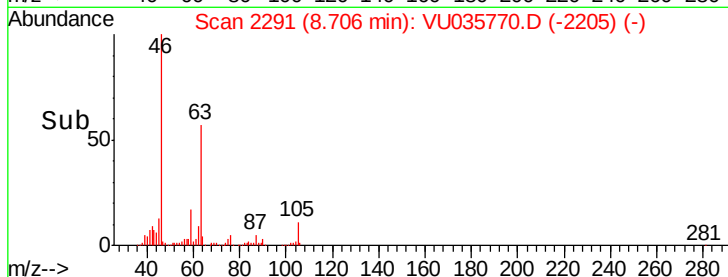
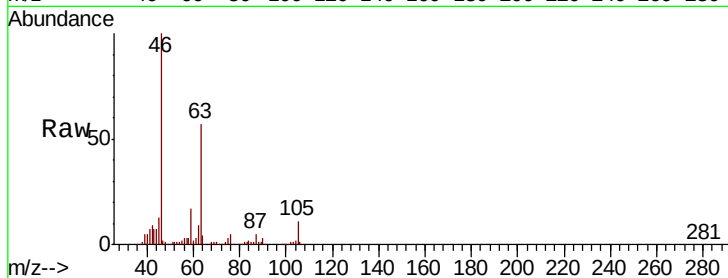




#48
 2-Hexanone
 Concen: 1.815 ug/L
 RT: 8.71 min Scan# 2291
 Delta R.T. -0.02 min
 Lab File: VU035770.D
 Acq: 19 Nov 2019 14:53

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 43 Resp: 15714
 Ion Ratio Lower Upper
 43 100
 58 21.7 44.1 66.1#
 57 67.6 15.1 22.7#
 100 3.5 9.4 14.2#



#59
 1,2,3-Trichloropropane
 Concen: 0.699 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035770.D
 Acq: 19 Nov 2019 14:53

Tgt Ion: 75 Resp: 9786
 Ion Ratio Lower Upper
 75 100
 77 36.5 26.8 40.2

