

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111919\
 Data File : VU035777.D
 Acq On : 19 Nov 2019 18:09
 Operator : JC/SP
 Sample : K5930-07 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 20 00:42:15 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	184775	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	212032	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	70419	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	75588	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.94	69	71842	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.60	63	111511	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.70	46	226087	53.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.68%
24) Chloroform-d	5.12	84	146651	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.75	65	82285	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.77	84	291776	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.74	67	102916	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.94	98	230930	3.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.20%
43) trans-1,3-Dichloropropene-	8.22	79	32077	3.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.40%
46) 2-Hexanone-d5	8.70	63	150751	44.63	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.26%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	87800	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	71502	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	85144	3.624	ug/L	88
8) Chloroethane	1.95	64	6106	0.453	ug/L	89
12) 1,1-Dichloroethene	2.61	96	25962	1.598	ug/L #	41
13) Acetone	2.67	43	20732	6.848	ug/L	97
14) Carbon disulfide	2.82	76	4193	0.080	ug/L #	71
16) Methylene chloride	3.08	84	5385	0.280	ug/L	93
18) trans-1,2-Dichloroethene	3.39	96	3482	0.208	ug/L	98
19) 1,1-Dichloroethane	3.92	63	130324	4.195	ug/L	97
21) 2-Butanone	4.78	43	37828	8.415	ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	219531	11.882	ug/L	99
25) Chloroform	5.14	83	11994	0.355	ug/L	99
34) Trichloroethene	6.58	95	27285	1.429	ug/L	95
35) Methylcyclohexane	6.74	83	23379	0.804	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	10558	0.537	ug/L #	87
39) cis-1,3-Dichloropropene	7.61	75	2175	0.078	ug/L #	34
48) 2-Hexanone	8.75	43	16591	2.065	ug/L #	77
59) 1,2,3-Trichloropropane	11.84	75	7500	0.577	ug/L	97

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QLast Update : Wed Nov 20 00:37:27 2019
Response via : Initial Calibration

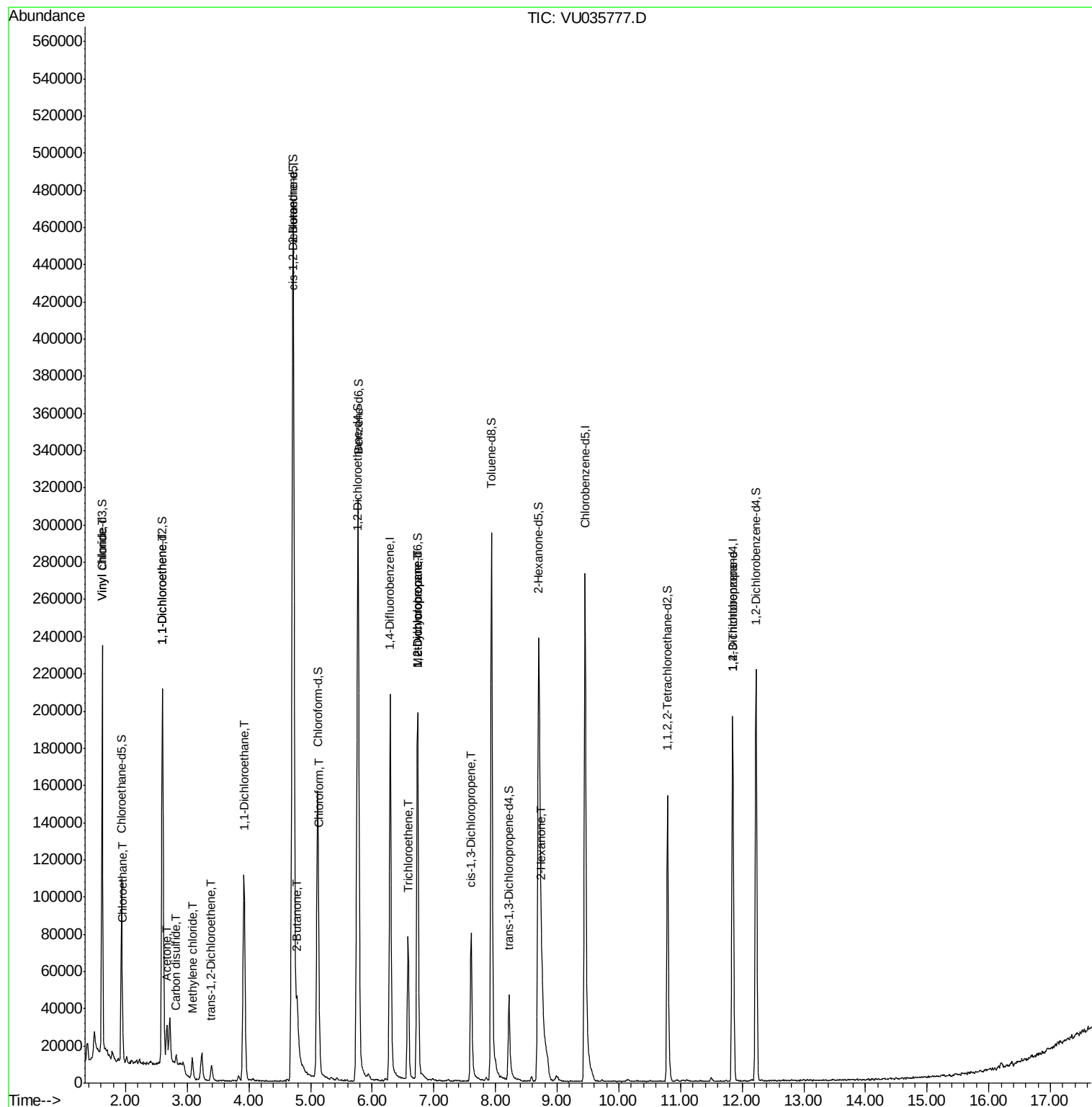
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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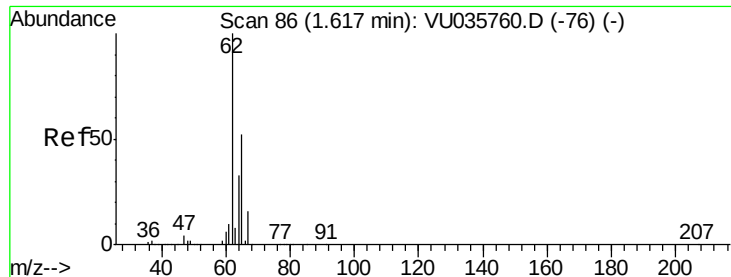
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.624 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035777.D

Acq: 19 Nov 2019 18:09

Instrument :

MSVOA_U

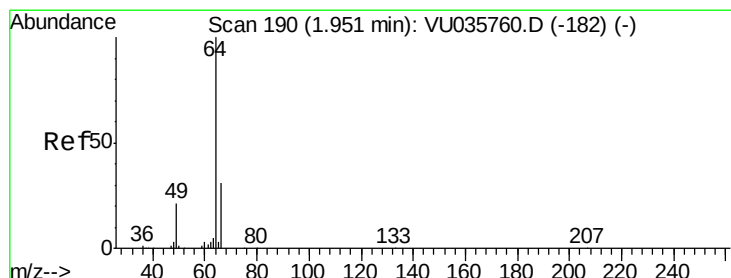
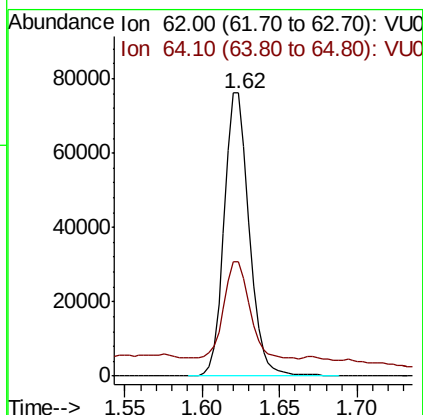
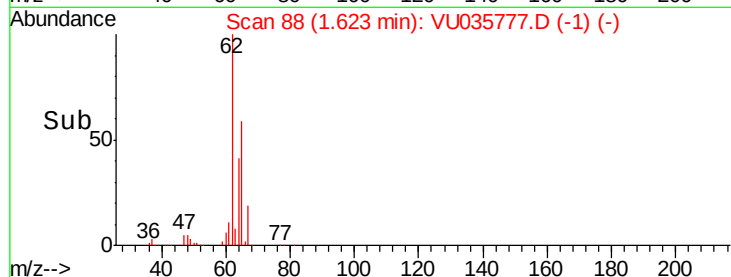
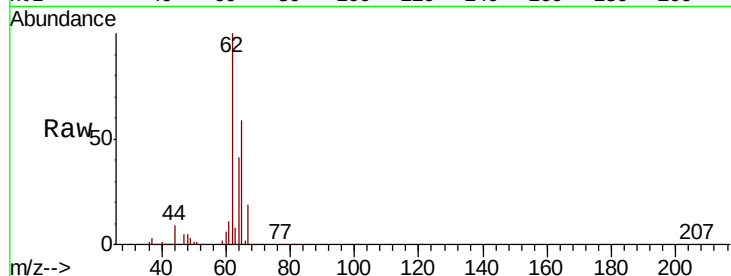
ClientSampled :

Tot Ion: 62 Resp: 85144

Ion Ratio Lower Upper

62 100

64 40.5 23.5 43.7



#8

Chloroethane

Concen: 0.453 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035777.D

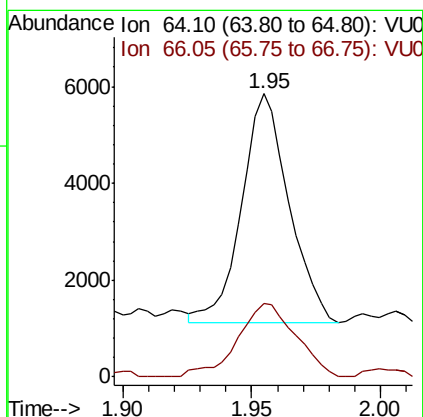
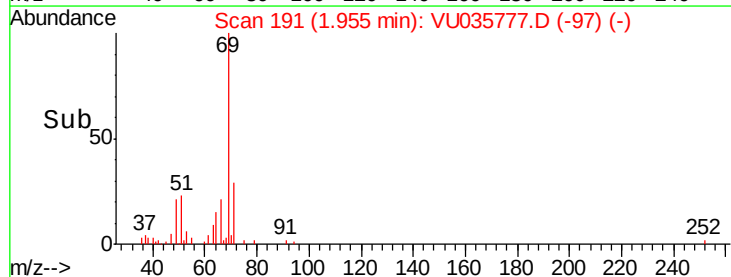
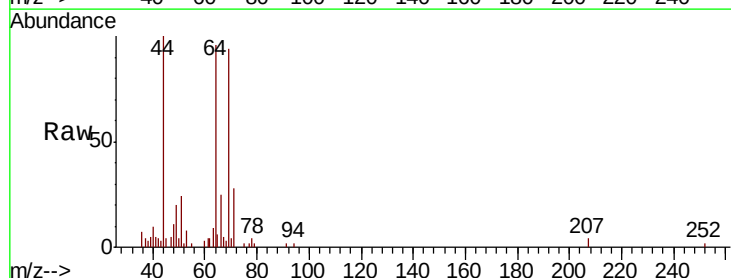
Acq: 19 Nov 2019 18:09

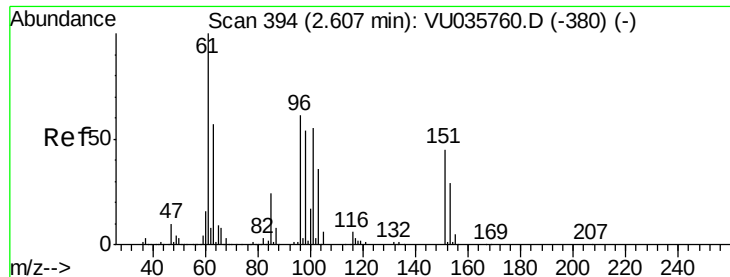
Tgt Ion: 64 Resp: 6106

Ion Ratio Lower Upper

64 100

66 26.0 22.5 41.7

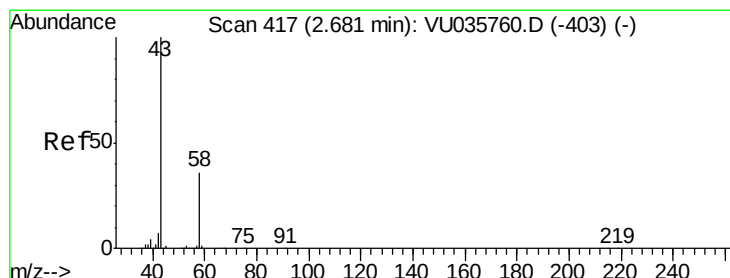
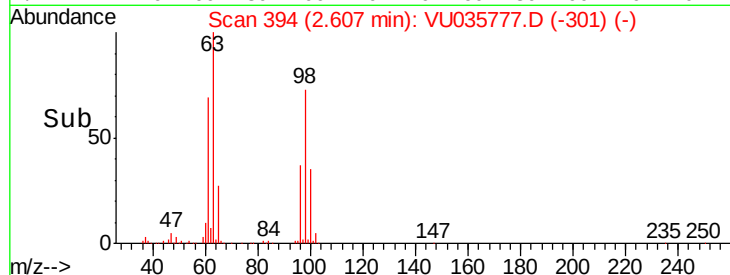
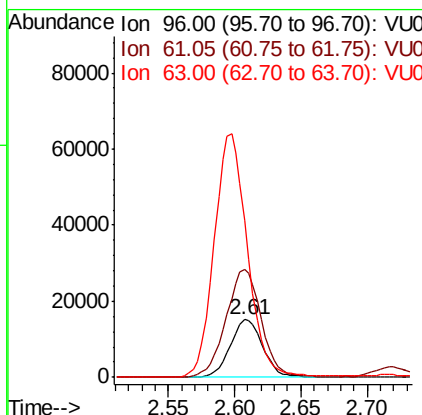
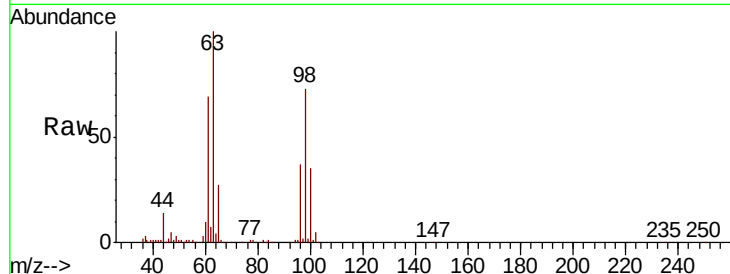




#12
 1,1-Dichloroethene
 Concen: 1.598 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU035777.D
 Acq: 19 Nov 2019 18:09

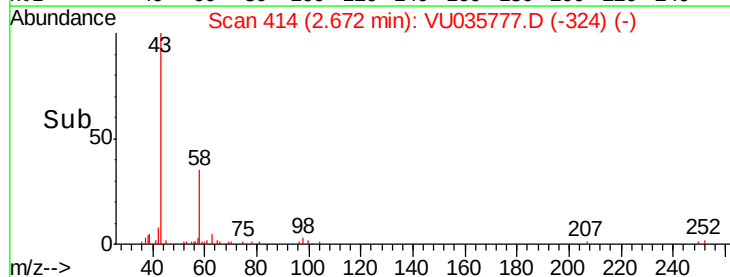
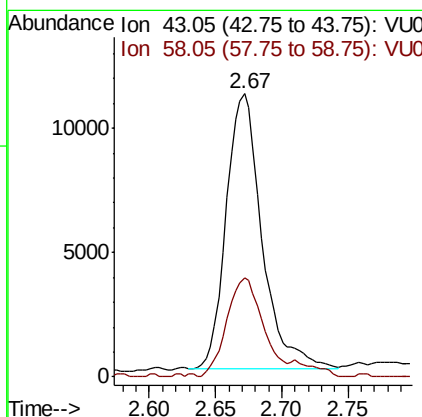
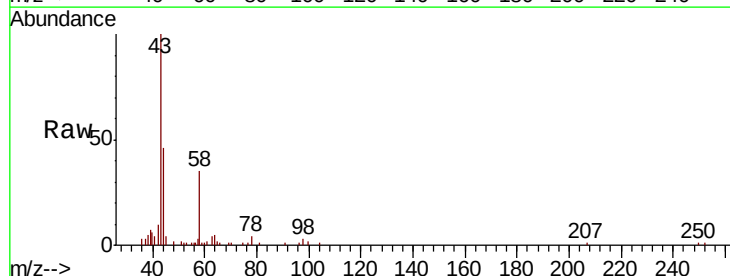
Instrument :
 MSVOA_U
 ClientSampleId :

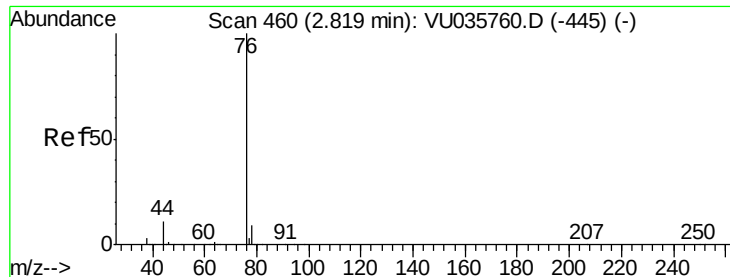
Tot Ion	Ratio	Lower	Upper
96	100		
61	188.7	123.1	228.5
63	271.6	87.8	163.0#



#13
 Acetone
 Concen: 6.848 ug/L
 RT: 2.67 min Scan# 414
 Delta R.T. -0.01 min
 Lab File: VU035777.D
 Acq: 19 Nov 2019 18:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.4	0.0	69.8





#14

Carbon disulfide

Concen: 0.080 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035777.D

Acq: 19 Nov 2019 18:09

Instrument :

MSVOA_U

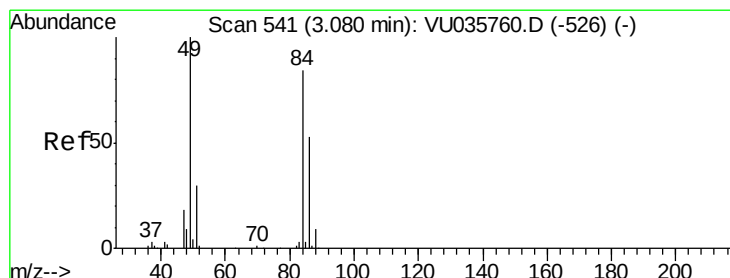
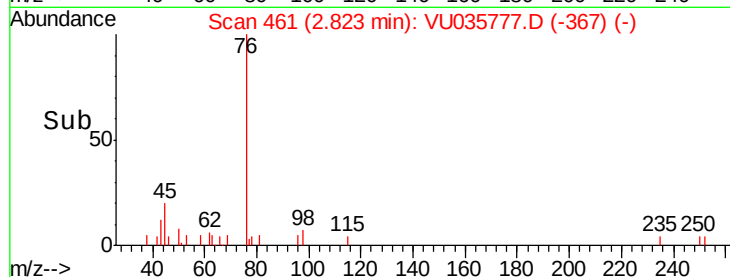
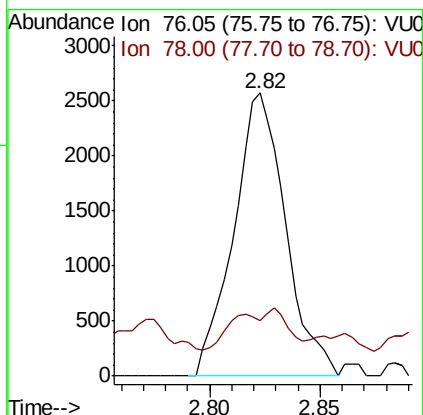
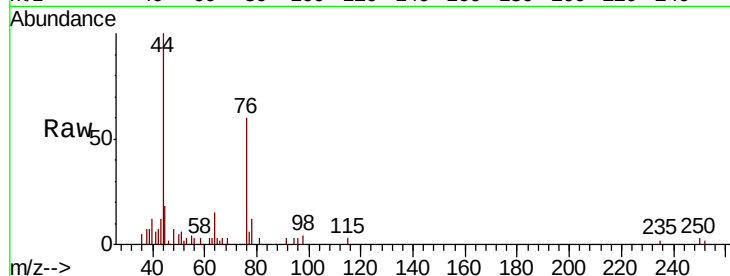
ClientSampleId :

Tot Ion: 76 Resp: 4193

Ion Ratio Lower Upper

76 100

78 19.8 7.4 11.0#



#16

Methylene chloride

Concen: 0.280 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035777.D

Acq: 19 Nov 2019 18:09

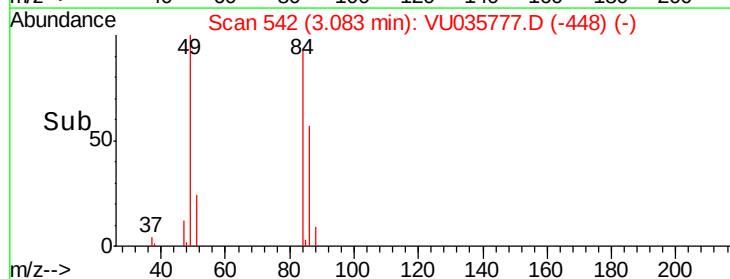
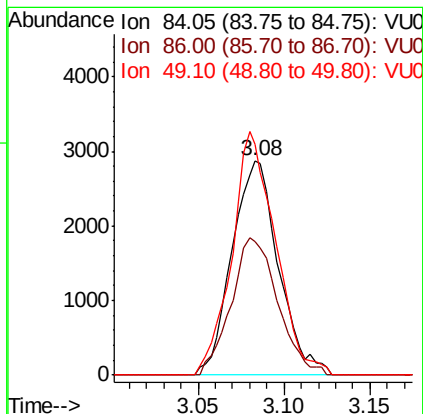
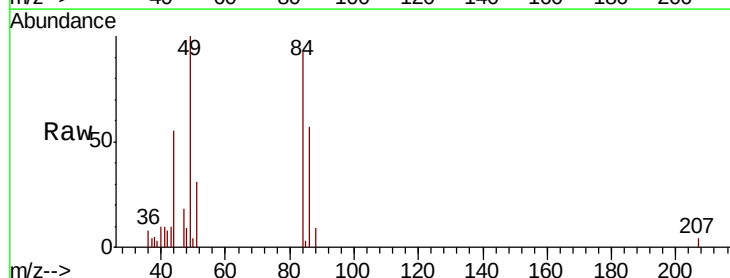
Tgt Ion: 84 Resp: 5385

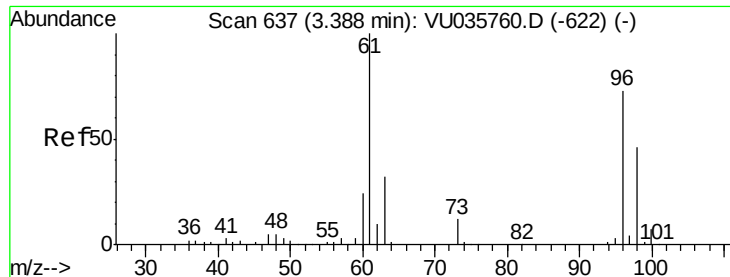
Ion Ratio Lower Upper

84 100

86 61.9 45.8 85.2

49 107.7 81.9 152.1

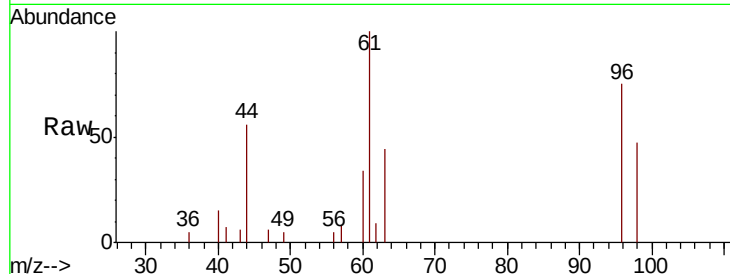




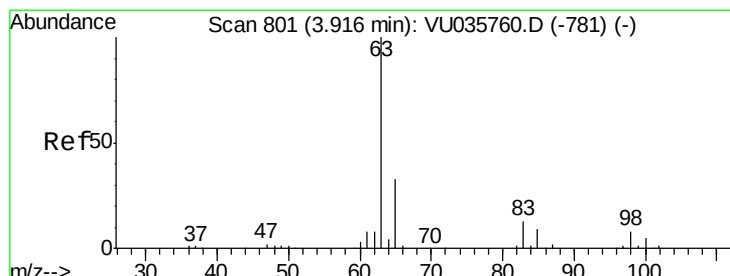
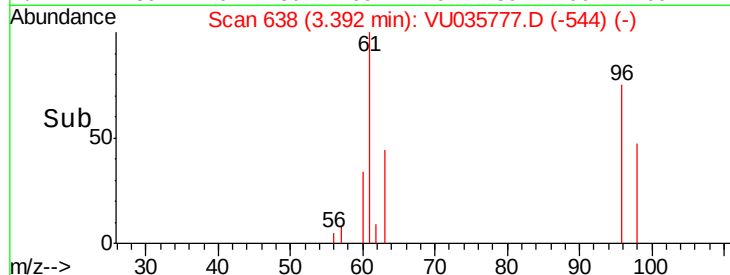
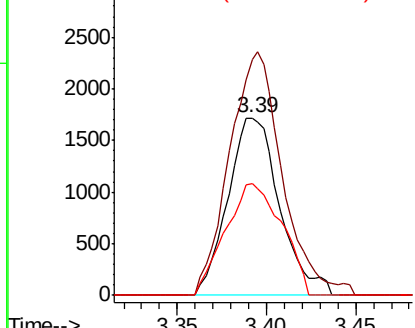
#18
trans-1,2-Dichloroethene
Concen: 0.208 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035777.D
Acq: 19 Nov 2019 18:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 3482
Ion Ratio Lower Upper
96 100
61 133.2 95.0 176.4
98 63.2 42.5 78.9

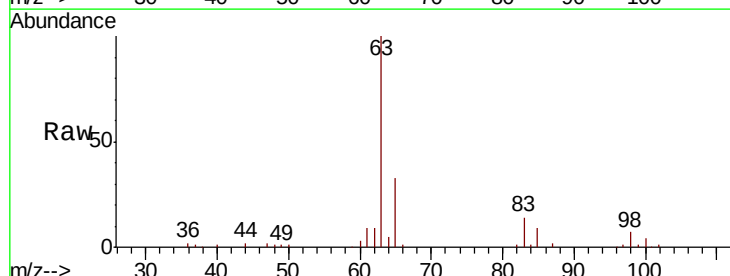


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

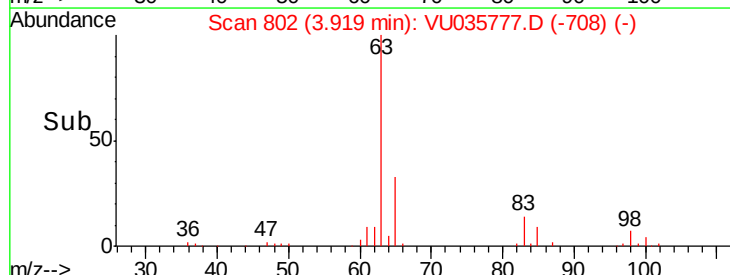
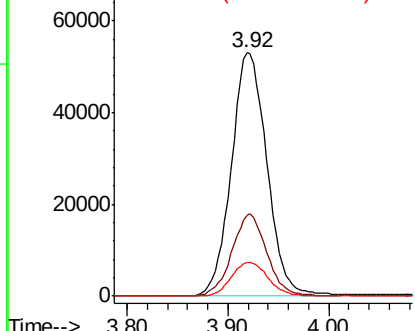


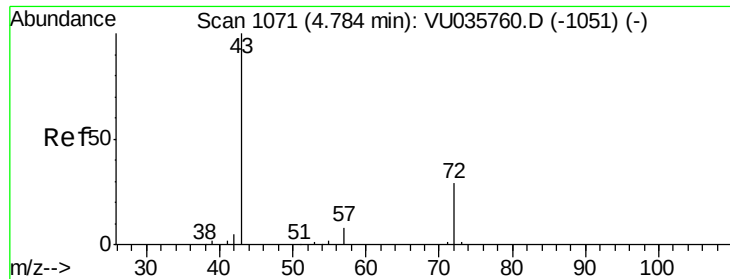
#19
1,1-Dichloroethane
Concen: 4.195 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU035777.D
Acq: 19 Nov 2019 18:09

Tgt Ion: 63 Resp: 130324
Ion Ratio Lower Upper
63 100
65 33.4 22.0 40.8
83 14.0 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: 8.415 ug/L

RT: 4.78 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VU035777.D

Acq: 19 Nov 2019 18:09

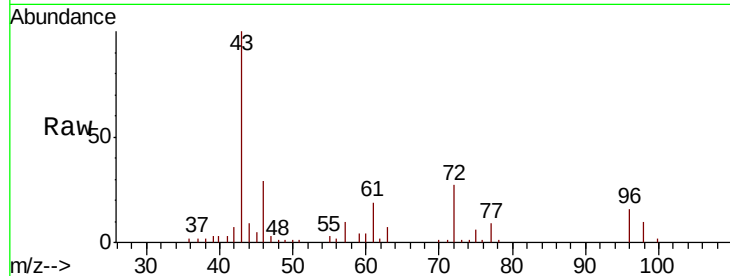
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 37828

Ion Ratio Lower Upper

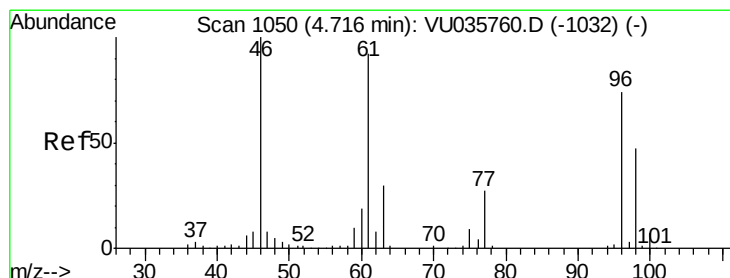
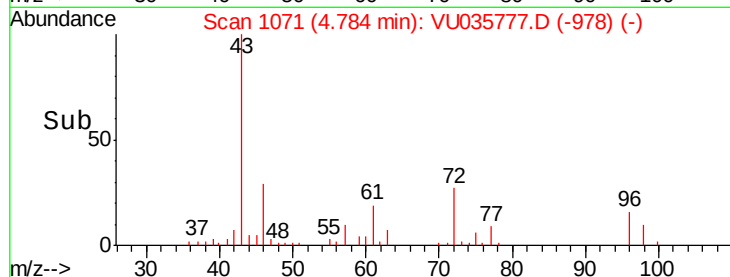
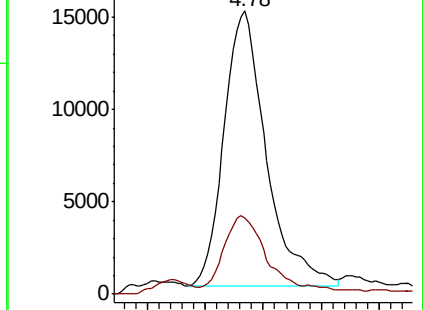
43 100

72 24.7 14.3 42.9



Abundance Ion 43.05 (42.75 to 43.75): VU035777.D (-978) (-)

Ion 72.10 (71.80 to 72.80): VU035777.D (-978) (-)



#22

cis-1,2-Dichloroethene

Concen: 11.882 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035777.D

Acq: 19 Nov 2019 18:09

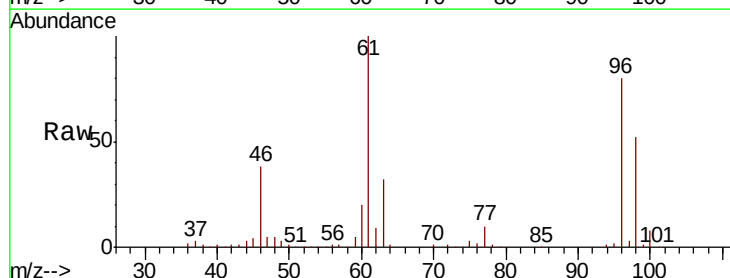
Tgt Ion: 96 Resp: 219531

Ion Ratio Lower Upper

96 100

61 125.5 87.0 161.6

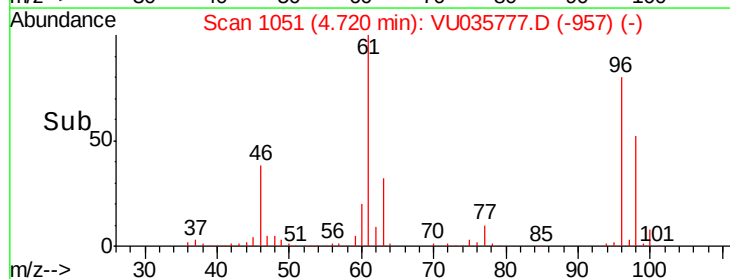
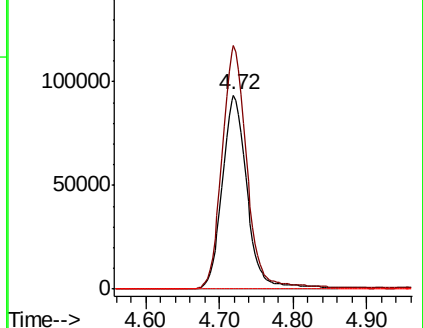
68 0.0 0.0 0.0

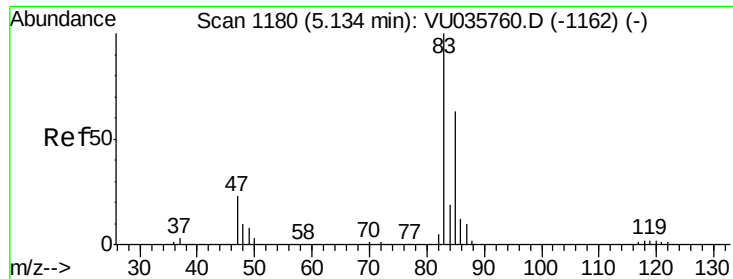


Abundance Ion 96.00 (95.70 to 96.70): VU035777.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035777.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035777.D (-957) (-)

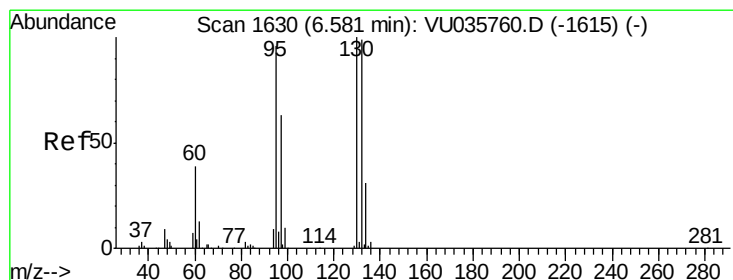
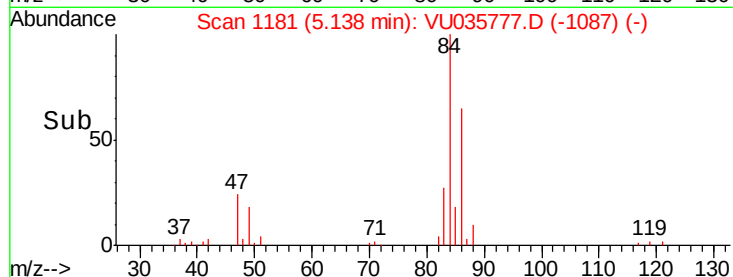
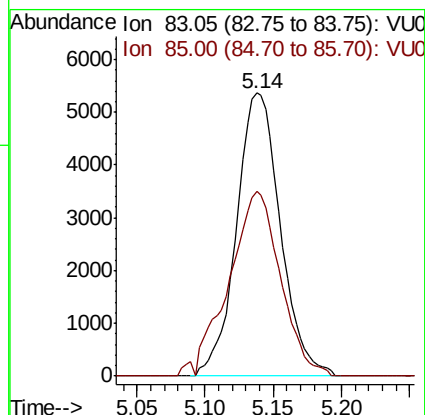
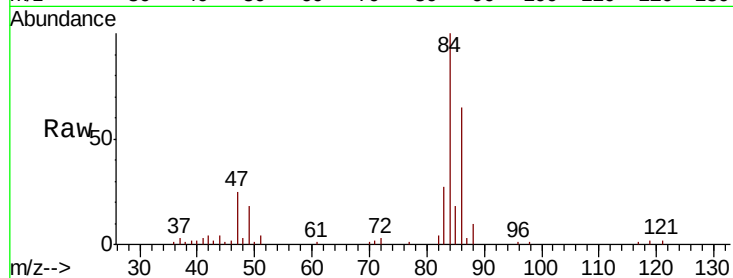




#25
Chloroform
Concen: 0.355 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035777.D
Acq: 19 Nov 2019 18:09

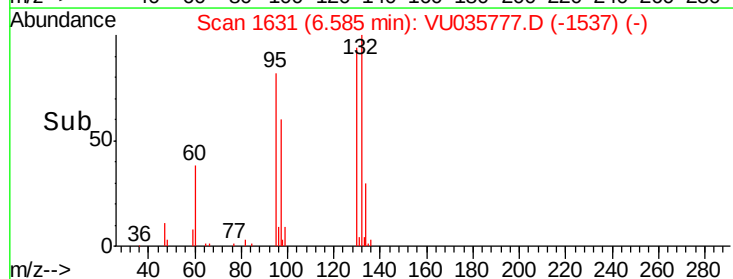
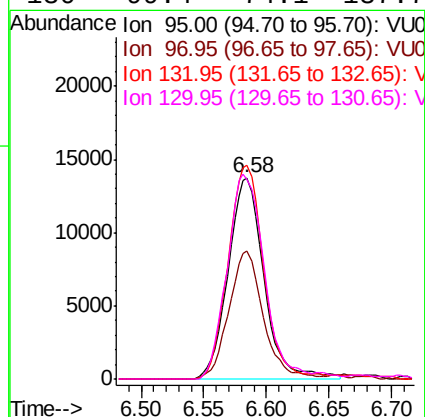
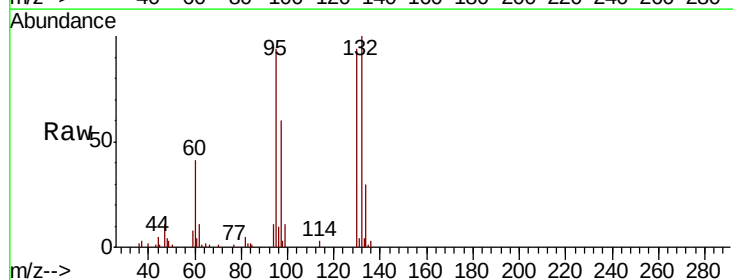
Instrument :
MSVOA_U
ClientSampleId :

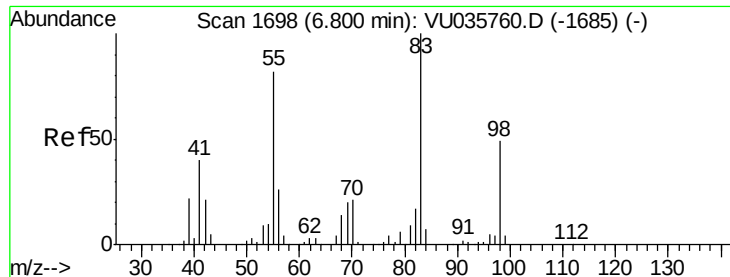
Tot Ion: 83 Resp: 11994
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.2



#34
Trichloroethene
Concen: 1.429 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035777.D
Acq: 19 Nov 2019 18:09

Tgt Ion: 95 Resp: 27285
Ion Ratio Lower Upper
95 100
97 63.5 44.5 82.7
132 106.2 69.9 129.7
130 99.4 74.1 137.7

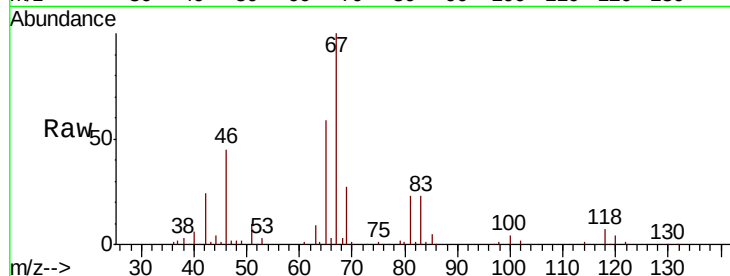




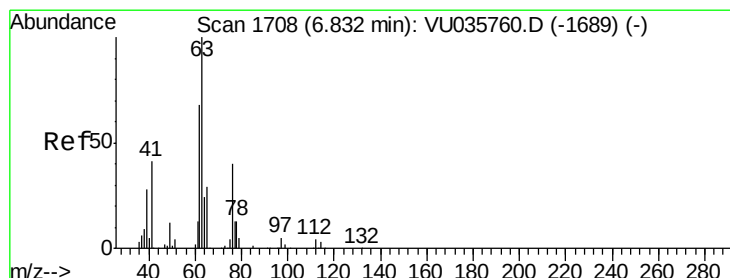
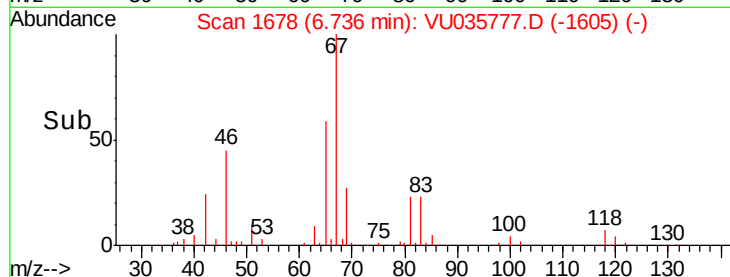
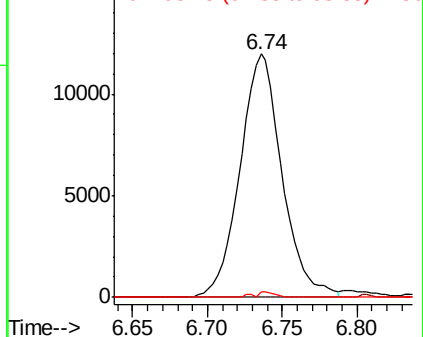
#35
Methylcyclohexane
Concen: 0.804 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035777.D
Acq: 19 Nov 2019 18:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 23379
Ion Ratio Lower Upper
83 100
55 0.3 62.6 93.8#
98 0.8 37.2 55.8#

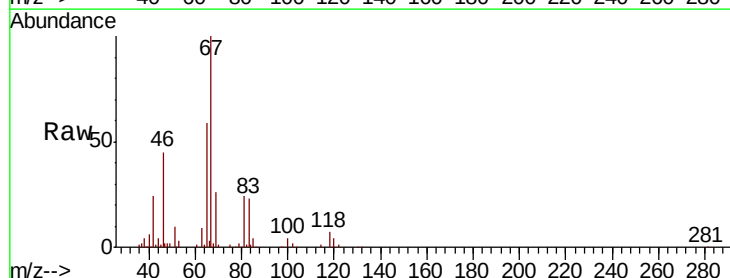


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

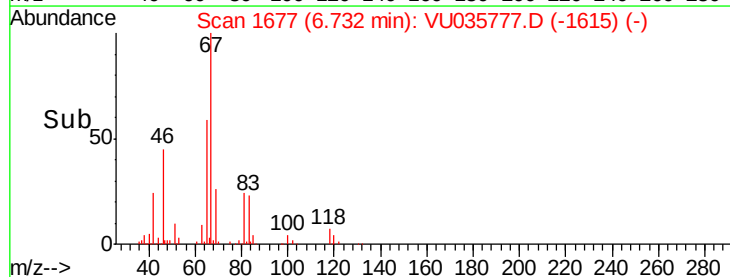
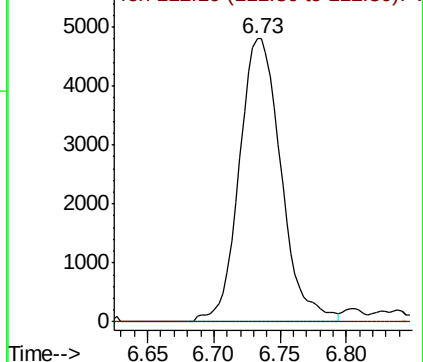


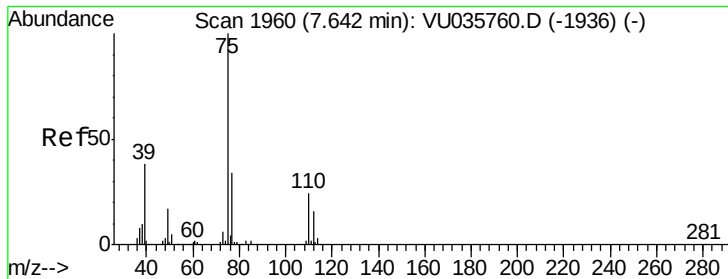
#37
1,2-Dichloropropane
Concen: 0.537 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU035777.D
Acq: 19 Nov 2019 18:09

Tgt Ion: 63 Resp: 10558
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



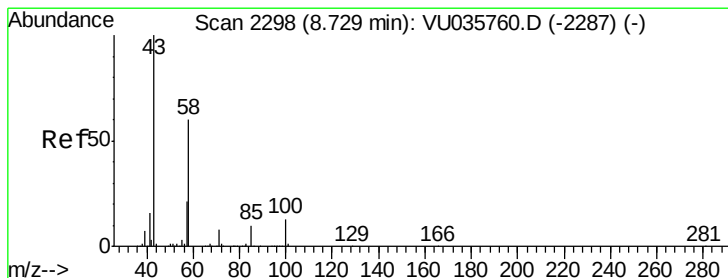
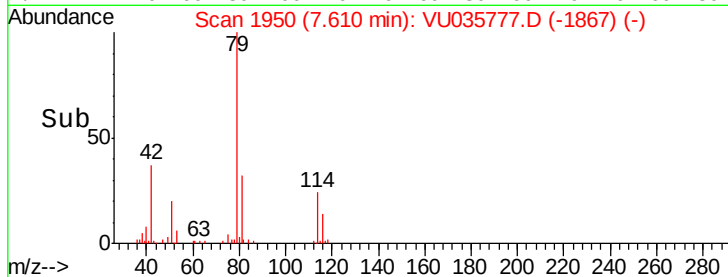
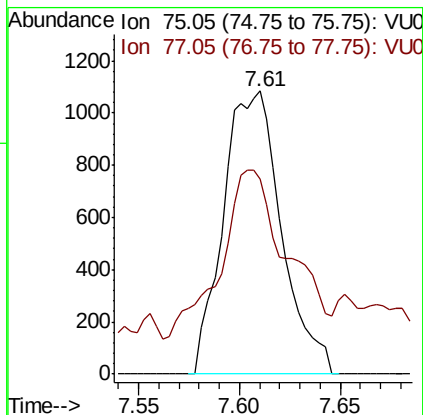
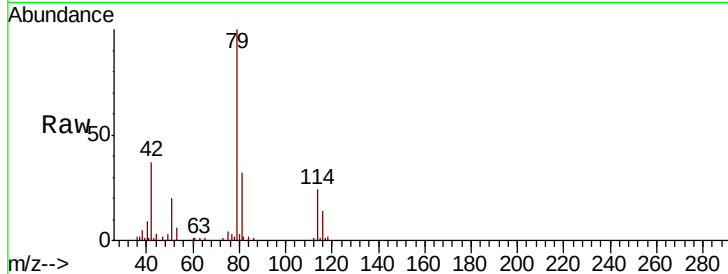


#39

cis-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 7.61 min Scan# 1950
 Delta R.T. -0.03 min
 Lab File: VU035777.D
 Acq: 19 Nov 2019 18:09

Instrument :
 MSVOA_U
 ClientSampleId :

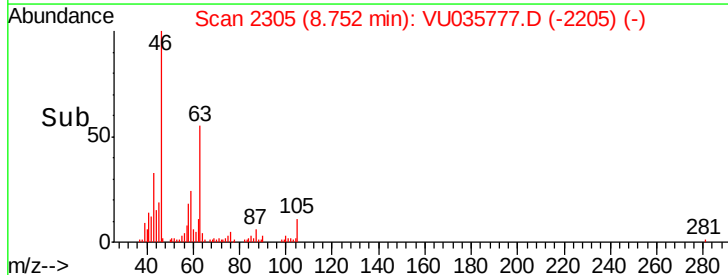
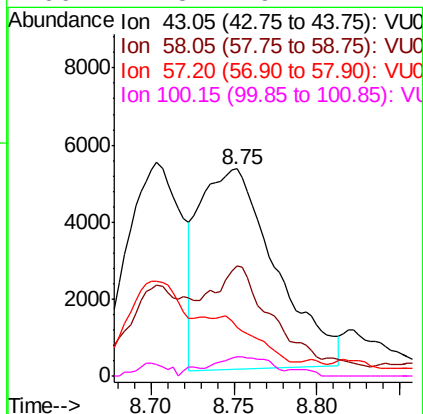
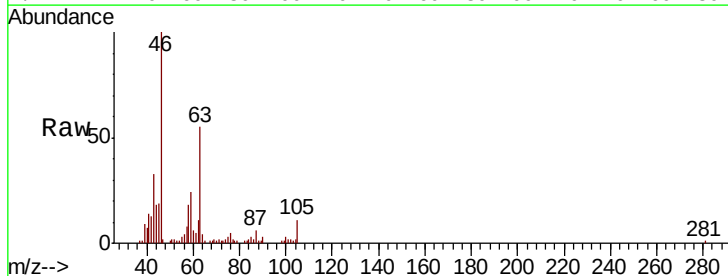
Tot Ion: 75 Resp: 2175
 Ion Ratio Lower Upper
 75 100
 77 68.8 22.5 41.7#

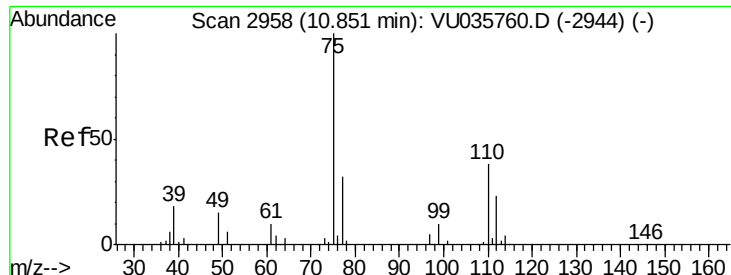


#48

2-Hexanone
 Concen: 2.065 ug/L
 RT: 8.75 min Scan# 2305
 Delta R.T. 0.02 min
 Lab File: VU035777.D
 Acq: 19 Nov 2019 18:09

Tgt Ion: 43 Resp: 16591
 Ion Ratio Lower Upper
 43 100
 58 42.3 44.1 66.1#
 57 0.0 15.1 22.7#
 100 4.8 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 0.577 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035777.D

Acq: 19 Nov 2019 18:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7500

Ion Ratio Lower Upper

75 100

77 35.4 26.8 40.2

