

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
 Data File : VU035771.D
 Acq On : 19 Nov 2019 15:17
 Operator : JC/SP
 Sample : K5930-05 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 20 00:41:24 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	257960	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	297246	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	105491	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	68832	2.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	51.80%
7) Chloroethane-d5	1.93	69	70815	3.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.20%
11) 1,1-Dichloroethene-d2	2.60	63	99305	2.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	44.40%#
20) 2-Butanone-d5	4.70	46	207680	35.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.86%
24) Chloroform-d	5.11	84	153506	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.60%
26) 1,2-Dichloroethane-d4	5.75	65	78263	3.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.40%
32) Benzene-d6	5.77	84	274930	2.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	58.80%#
36) 1,2-Dichloropropane-d6	6.74	67	98846	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	65.40%
41) Toluene-d8	7.93	98	215652	2.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	48.60%#
43) trans-1,3-Dichloropropene-	8.22	79	31162	2.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	51.60%#
46) 2-Hexanone-d5	8.70	63	142238	30.04	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	60.08%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	84307	3.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	66.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	74559	3.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	71.20%#

Target Compounds

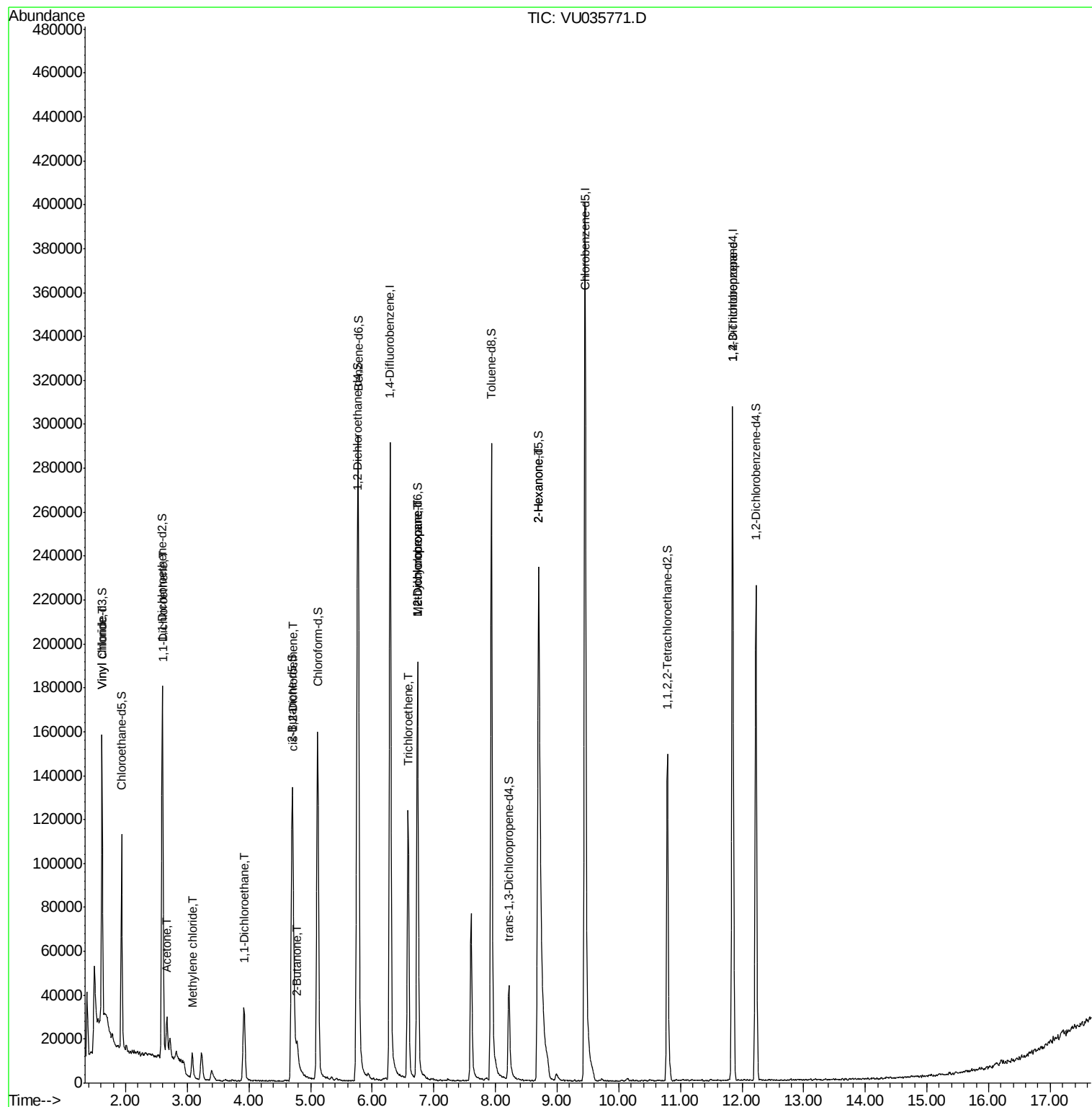
					Ovalue
5) Vinyl chloride	1.62	62	27044	0.825 ug/L #	4
12) 1,1-Dichloroethene	2.61	96	7488	0.330 ug/L #	1
13) Acetone	2.67	43	19473	4.607 ug/L	98
16) Methylene chloride	3.08	84	5545	0.206 ug/L	96
19) 1,1-Dichloroethane	3.92	63	39288	0.906 ug/L	99
21) 2-Butanone	4.78	43	14181	2.260 ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	14463	0.561 ug/L	99
34) Trichloroethene	6.58	95	42198	1.576 ug/L	97
35) Methylcyclohexane	6.74	83	22920	0.562 ug/L #	18
37) 1,2-Dichloropropane	6.74	63	9911	0.360 ug/L #	88
48) 2-Hexanone	8.70	43	13984	1.241 ug/L #	69
59) 1,2,3-Trichloropropane	11.84	75	11898	0.653 ug/L	98

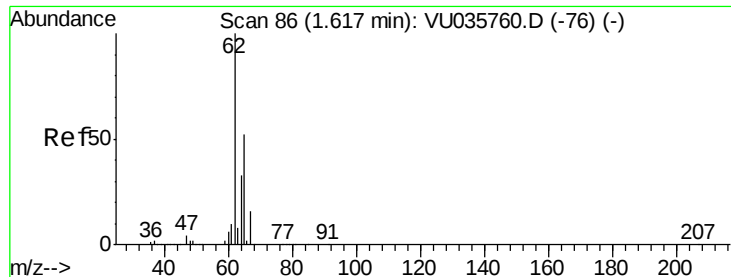
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 0.825 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035771.D

Acq: 19 Nov 2019 15:17

Instrument :

MSVOA_U

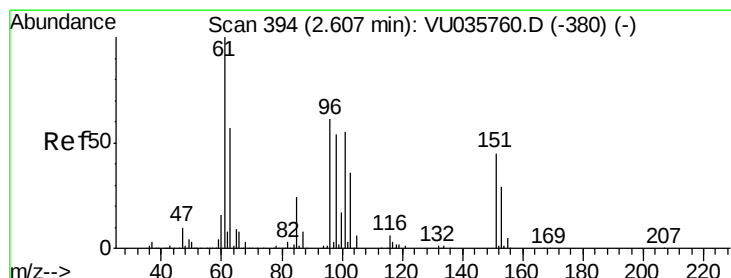
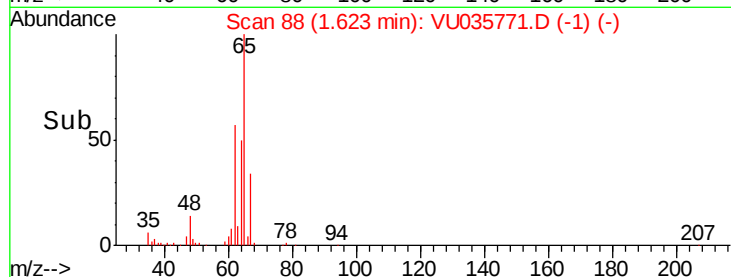
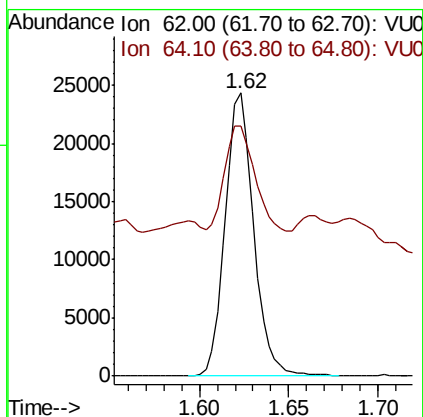
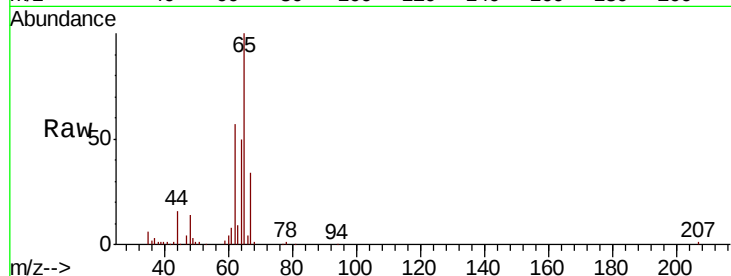
ClientSampled :

Tot Ion: 62 Resp: 27044

Ion Ratio Lower Upper

62 100

64 88.2 23.5 43.7#



#12

1,1-Dichloroethene

Concen: 0.330 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035771.D

Acq: 19 Nov 2019 15:17

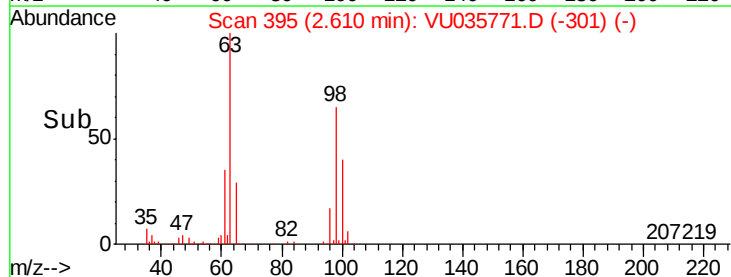
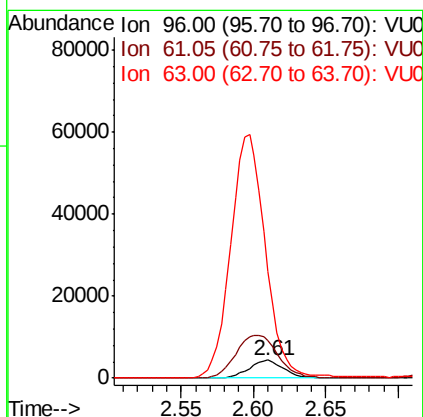
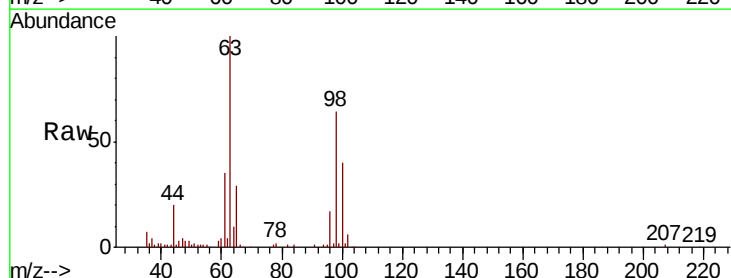
Tgt Ion: 96 Resp: 7488

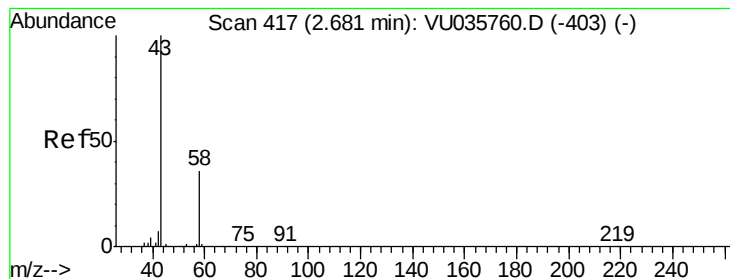
Ion Ratio Lower Upper

96 100

61 209.5 123.1 228.5

63 602.6 87.8 163.0#





#13

Acetone

Concen: 4.607 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035771.D

Acq: 19 Nov 2019 15:17

Instrument :

MSVOA_U

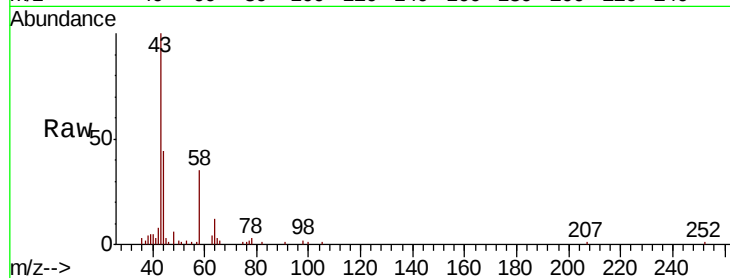
ClientSampleId :

Tot Ion: 43 Resp: 19473

Ion Ratio Lower Upper

43 100

58 36.1 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035771.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU035771.D (-324) (-)

2.67

12000

10000

8000

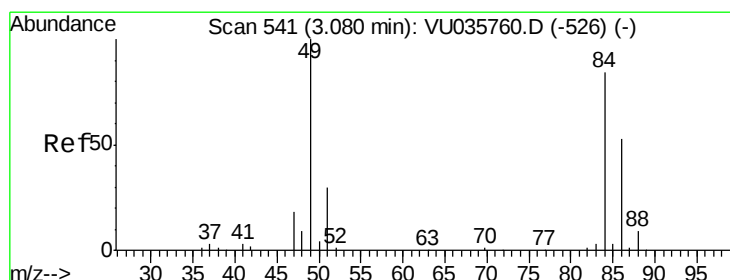
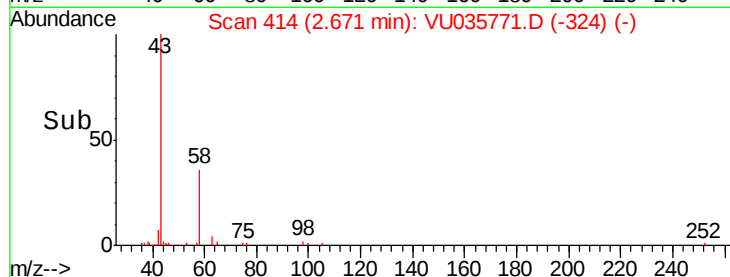
6000

4000

2000

0

Time-->



#16

Methylene chloride

Concen: 0.206 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035771.D

Acq: 19 Nov 2019 15:17

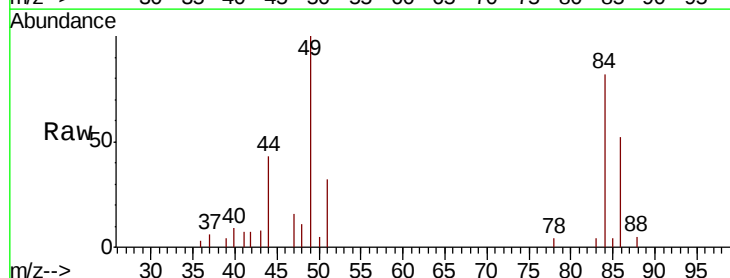
Tgt Ion: 84 Resp: 5545

Ion Ratio Lower Upper

84 100

86 63.3 45.8 85.2

49 121.6 81.9 152.1



Abundance Ion 84.05 (83.75 to 84.75): VU035771.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU035771.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU035771.D (-448) (-)

3.08

4000

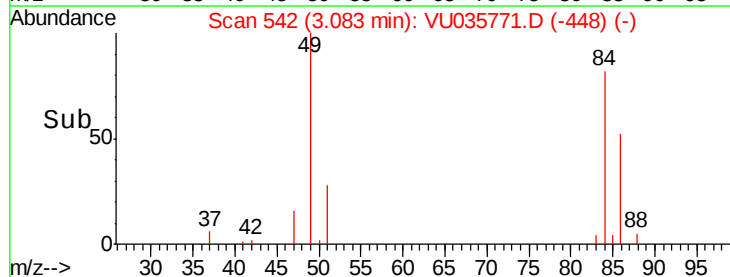
3000

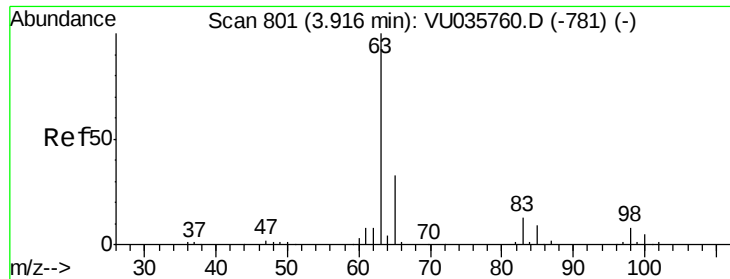
2000

1000

0

Time-->

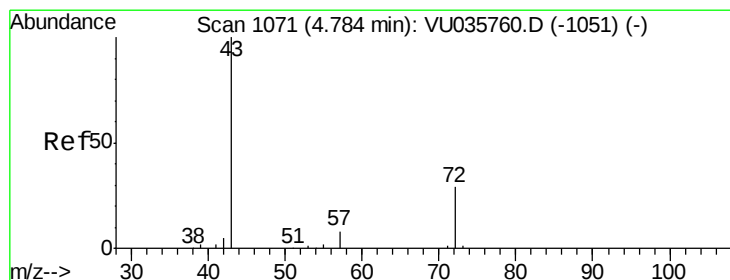
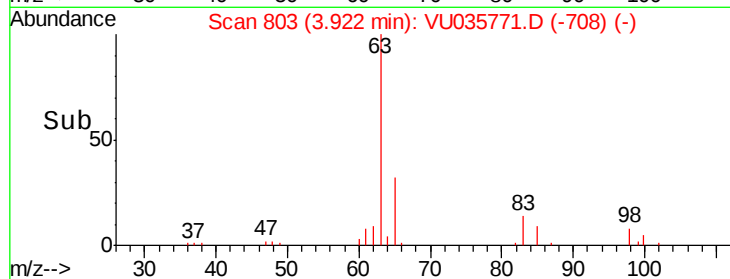
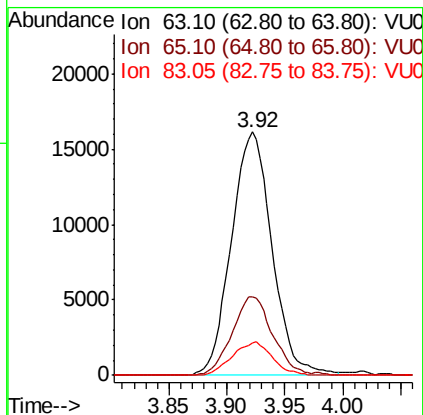
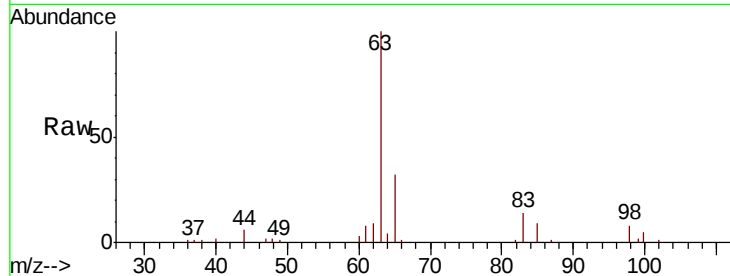




#19
 1,1-Dichloroethane
 Concen: 0.906 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: VU035771.D
 Acq: 19 Nov 2019 15:17

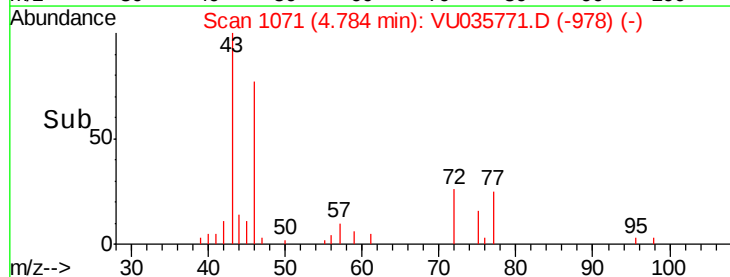
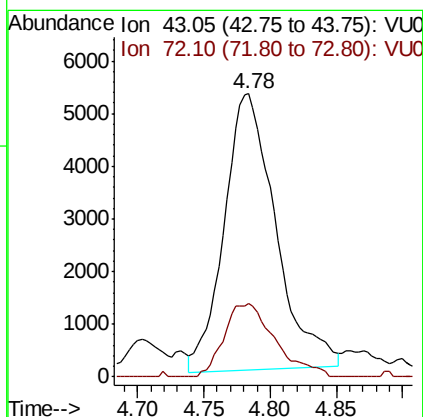
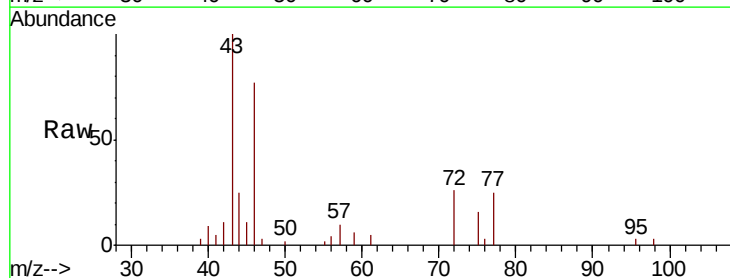
Instrument :
 MSVOA_U
 ClientSampleId :

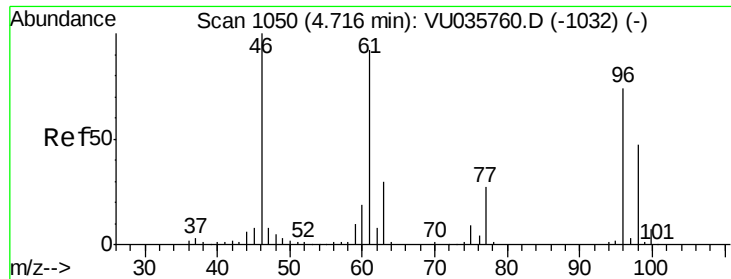
Tot Ion: 63 Resp: 39288
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.0 40.8
 83 13.5 9.3 17.3



#21
 2-Butanone
 Concen: 2.260 ug/L
 RT: 4.78 min Scan# 1071
 Delta R.T. -0.00 min
 Lab File: VU035771.D
 Acq: 19 Nov 2019 15:17

Tgt Ion: 43 Resp: 14181
 Ion Ratio Lower Upper
 43 100
 72 26.3 14.3 42.9





#22

cis-1,2-Dichloroethene

Concen: 0.561 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035771.D

Acq: 19 Nov 2019 15:17

Instrument :
MSVOA_U
ClientSampleId :

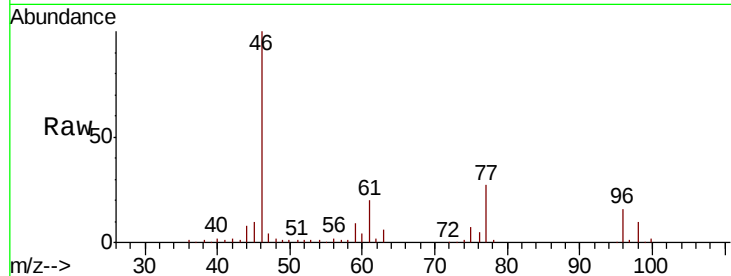
Tot Ion: 96 Resp: 14463

Ion Ratio Lower Upper

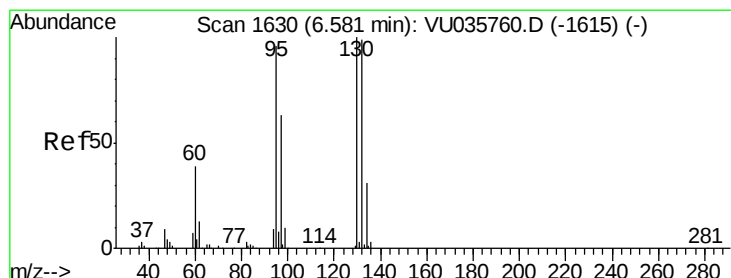
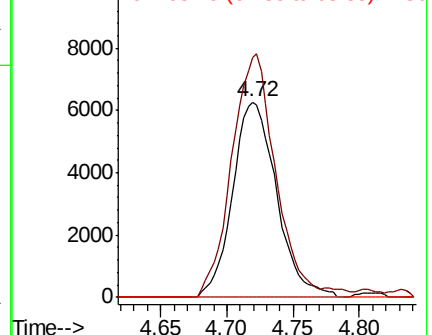
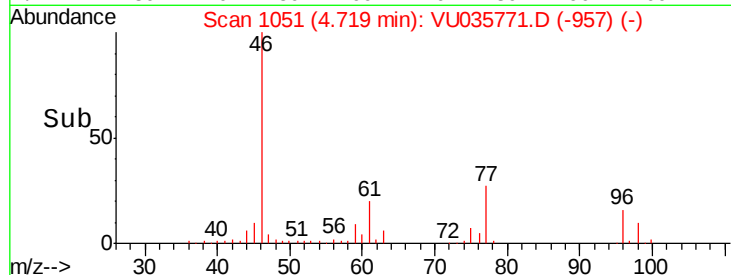
96 100

61 123.0 87.0 161.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035771.D (-1537) (-)



#34

Trichloroethene

Concen: 1.576 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035771.D

Acq: 19 Nov 2019 15:17

Tgt Ion: 95 Resp: 42198

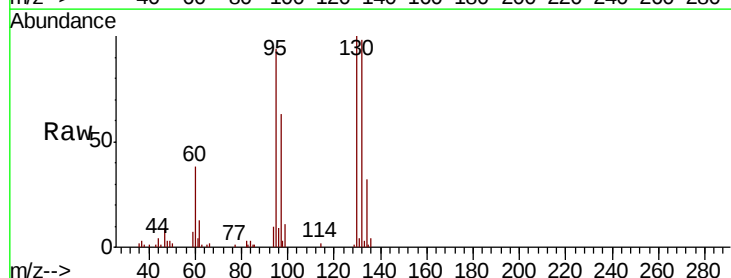
Ion Ratio Lower Upper

95 100

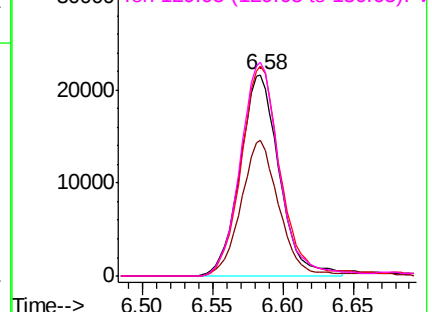
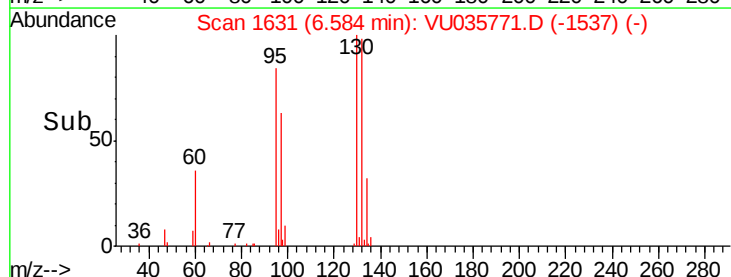
97 67.2 44.5 82.7

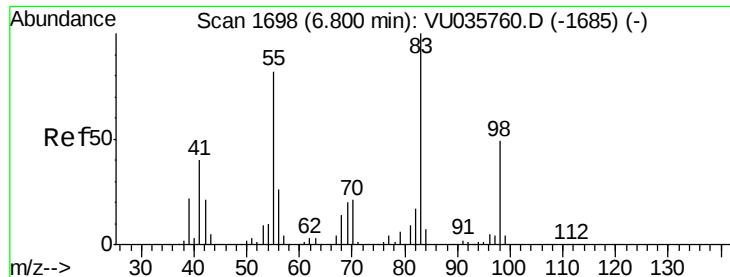
132 104.1 69.9 129.7

130 106.2 74.1 137.7



Abundance Ion 95.00 (94.70 to 95.70): VU035771.D (-1537) (-)

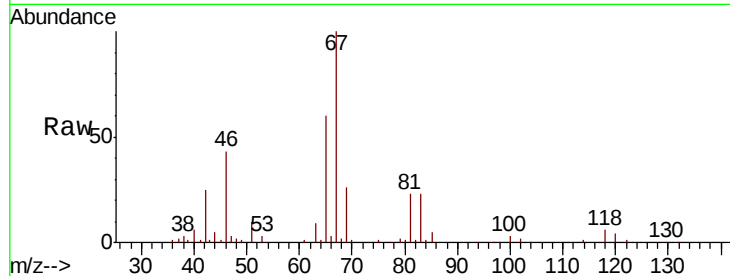




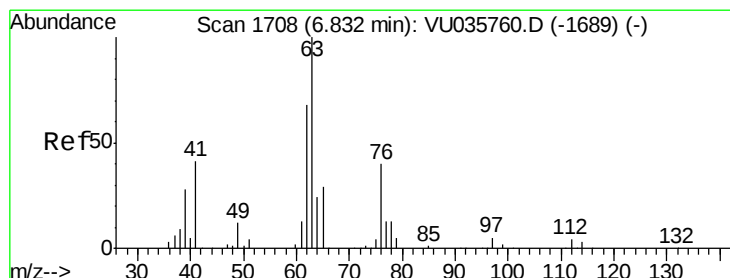
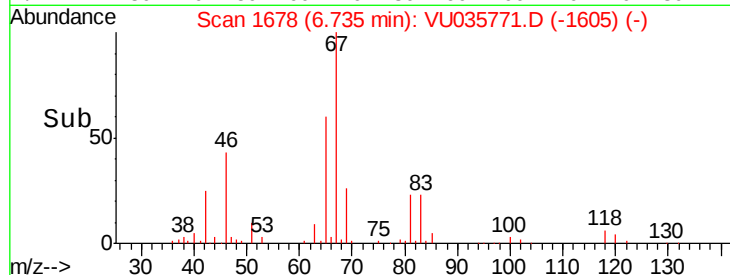
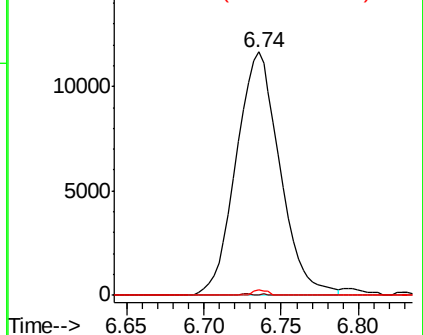
#35
Methvlcvclohexane
Concen: 0.562 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035771.D
Acq: 19 Nov 2019 15:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 22920
Ion Ratio Lower Upper
83 100
55 0.1 62.6 93.8#
98 0.7 37.2 55.8#

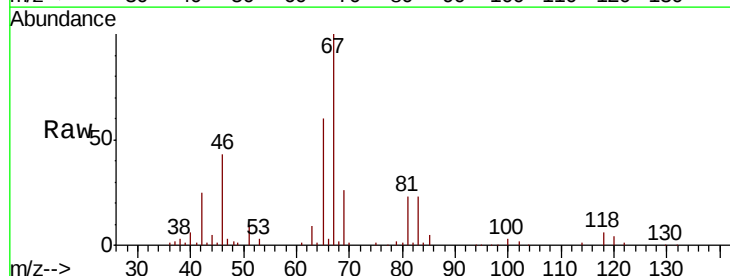


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

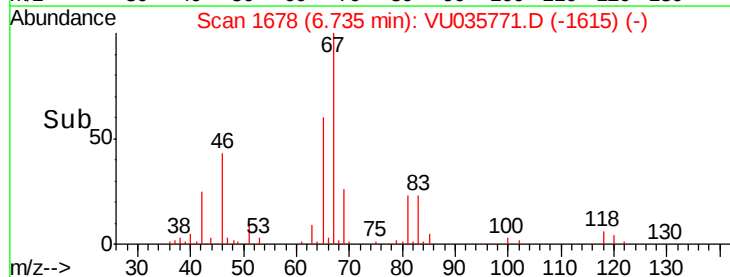
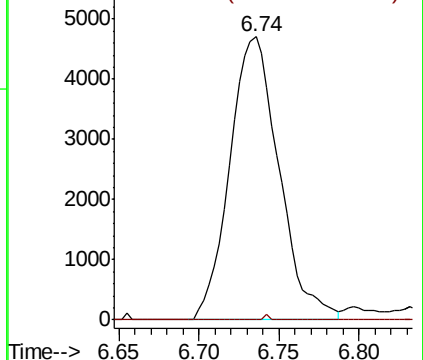


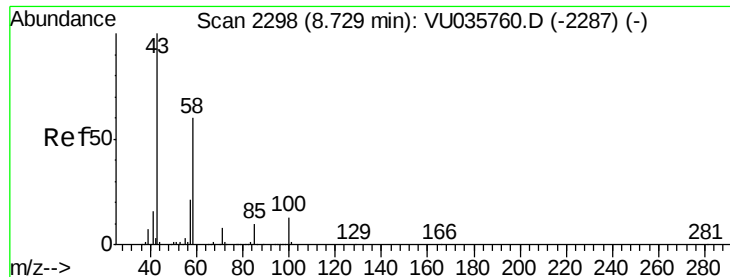
#37
1,2-Dichloropropane
Concen: 0.360 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035771.D
Acq: 19 Nov 2019 15:17

Tgt Ion: 63 Resp: 9911
Ion Ratio Lower Upper
63 100
112 0.2 3.4 5.2#



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

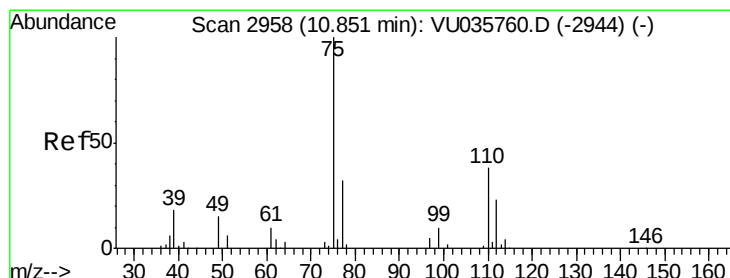
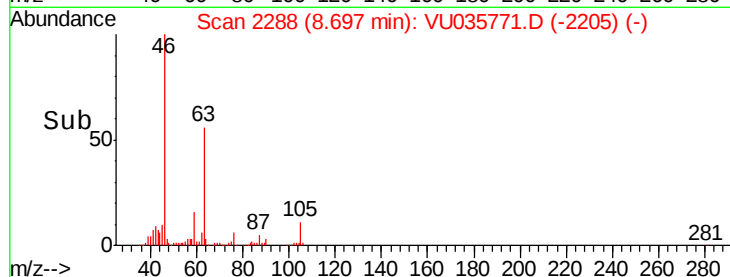
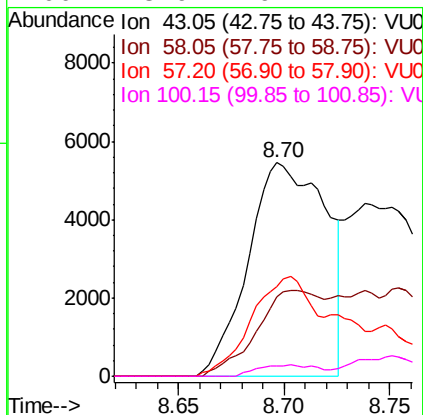
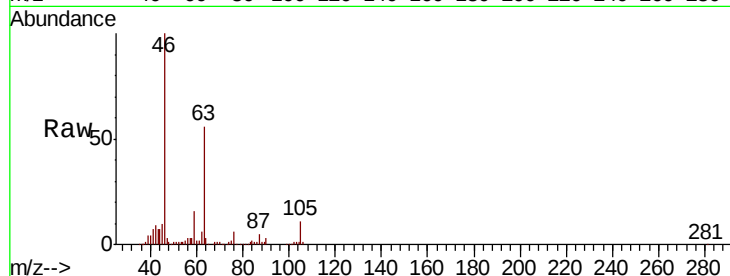




#48
 2-Hexanone
 Concen: 1.241 ug/L
 RT: 8.70 min Scan# 2288
 Delta R.T. -0.03 min
 Lab File: VU035771.D
 Acq: 19 Nov 2019 15:17

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 43 Resp: 13984
 Ion Ratio Lower Upper
 43 100
 58 33.5 44.1 66.1#
 57 37.4 15.1 22.7#
 100 3.9 9.4 14.2#



#59
 1,2,3-Trichloropropane
 Concen: 0.653 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035771.D
 Acq: 19 Nov 2019 15:17

Tgt Ion: 75 Resp: 11898
 Ion Ratio Lower Upper
 75 100
 77 34.4 26.8 40.2

