

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035370.D
 Acq On : 22 Oct 2019 17:58
 Operator : JC/SP
 Sample : K5461-18DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 08:05:25 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	269480	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	273226	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	102736	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	95293	5.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.00%
7) Chloroethane-d5	1.93	69	84827	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.00%
11) 1,1-Dichloroethene-d2	2.59	63	122765	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	4.71	46	236905	50.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.34%
24) Chloroform-d	5.11	84	155178	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.75	65	88510	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.77	84	310573	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.74	67	107773	5.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.60%
41) Toluene-d8	7.93	98	269784	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.22	79	38487	4.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.00%
46) 2-Hexanone-d5	8.68	63	175707	41.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.76%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	86912	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	90035	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

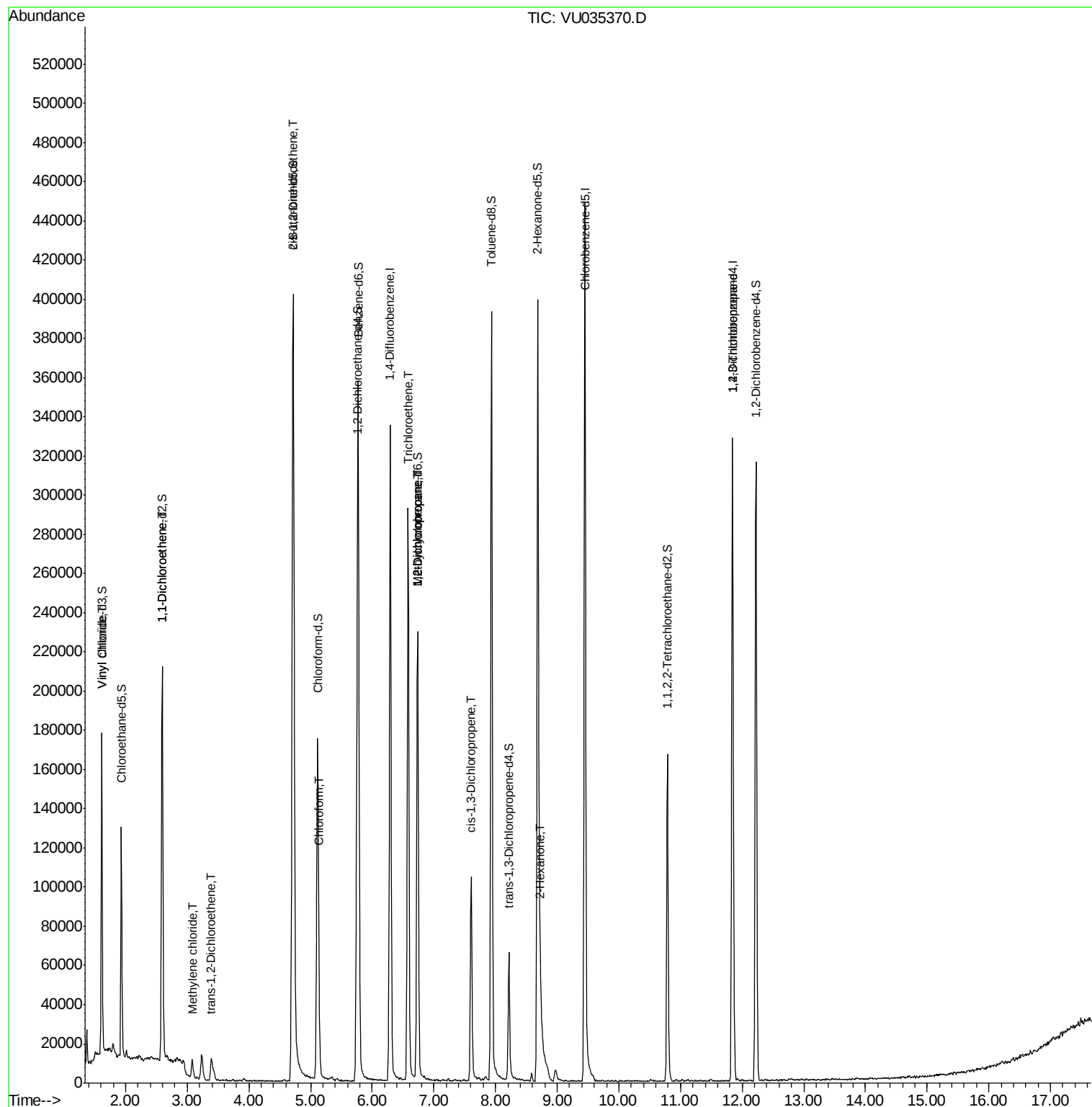
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	18361	0.786	ug/L #	48
12) 1,1-Dichloroethene	2.60	96	1478	0.085	ug/L #	1
16) Methylene chloride	3.08	84	4386	0.211	ug/L	95
18) trans-1,2-Dichloroethene	3.39	96	4678	0.250	ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	139113	6.736	ug/L	100
25) Chloroform	5.14	83	10663	0.288	ug/L	96
34) Trichloroethene	6.58	95	99480	4.603	ug/L	94
35) Methylcyclohexane	6.74	83	24813	0.687	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	11407	0.559	ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2481	0.073	ug/L #	17
48) 2-Hexanone	8.73	43	10105	1.046	ug/L #	81
59) 1,2,3-Trichloropropane	11.84	75	12332	0.867	ug/L	91

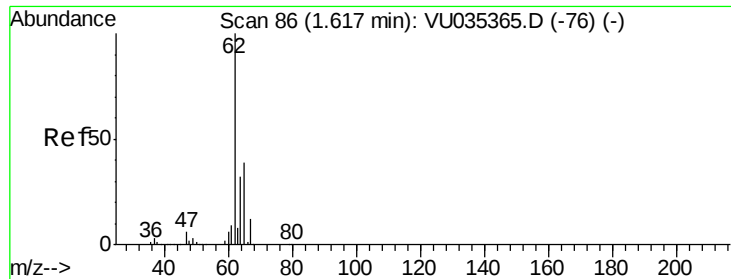
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_U
ClientSampled :

Quant Time: Oct 23 08:05:25 2019
Quant Method : Z:\V0ASRV\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





#5

Vinyl chloride

Concen: 0.786 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035370.D

Acq: 22 Oct 2019 17:58

Instrument :

MSVOA_U

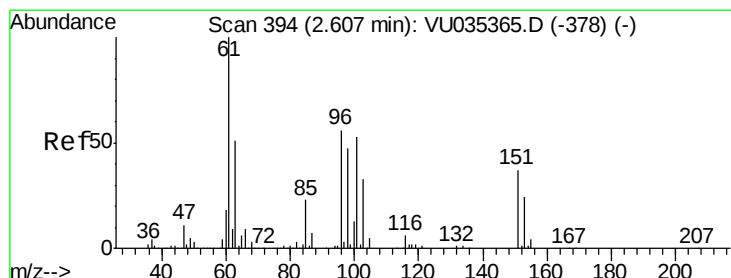
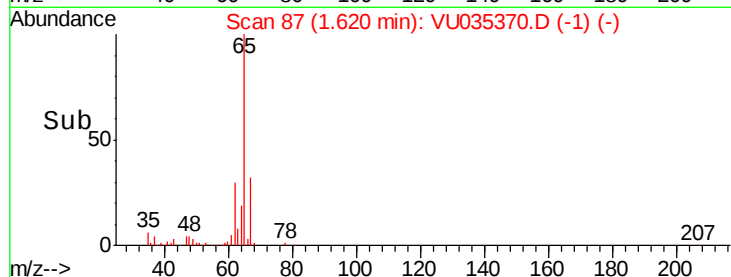
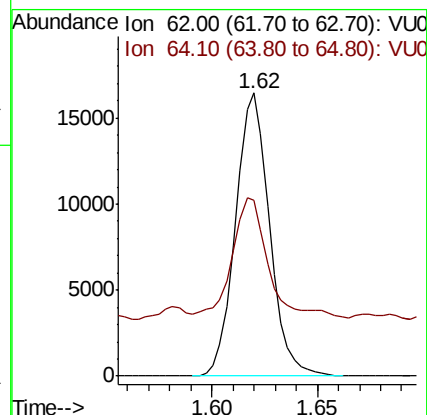
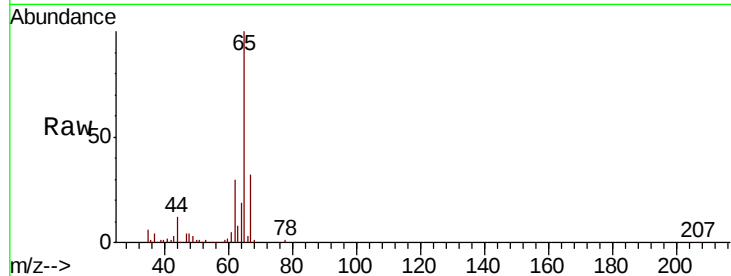
ClientSampleId :

Tot Ion: 62 Resp: 18361

Ion Ratio Lower Upper

62 100

64 62.0 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 0.085 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035370.D

Acq: 22 Oct 2019 17:58

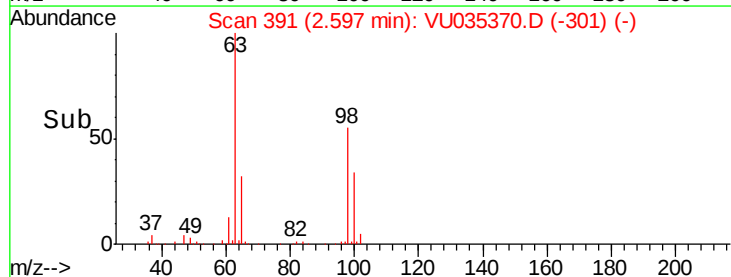
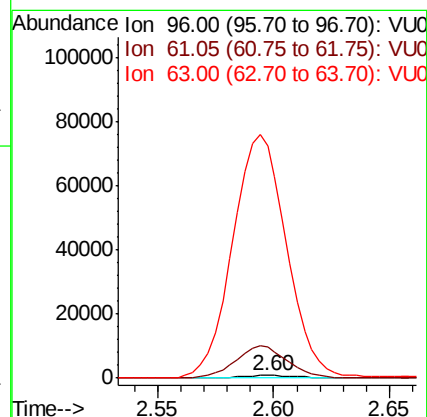
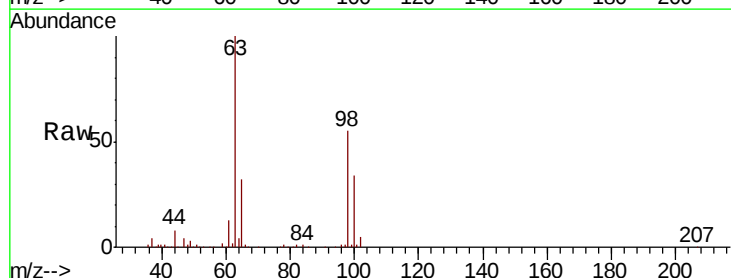
Tgt Ion: 96 Resp: 1478

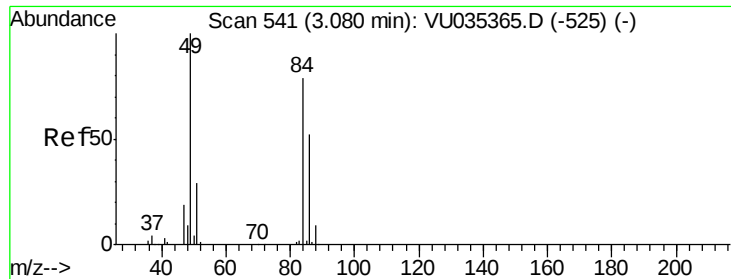
Ion Ratio Lower Upper

96 100

61 1044.8 120.6 224.0#

63 7943.8 86.8 161.2#

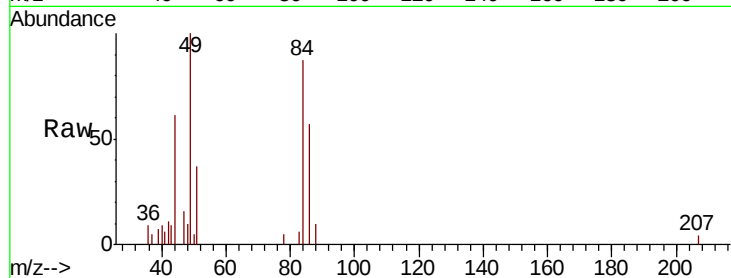




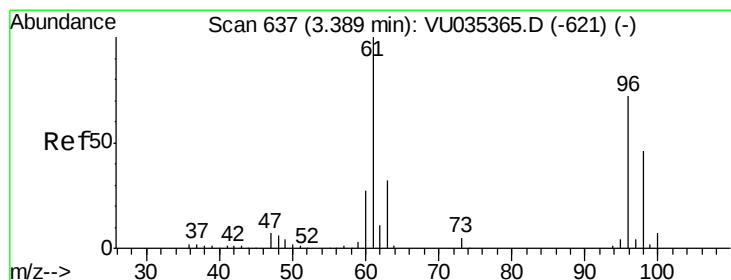
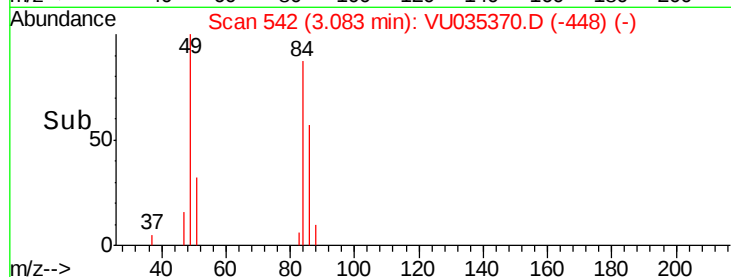
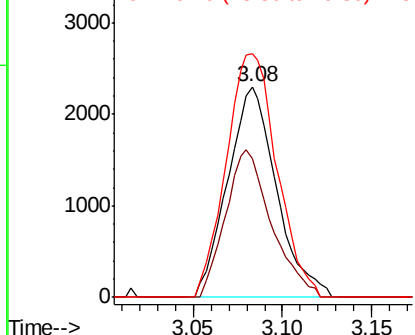
#16
Methvlene chloride
Concen: 0.211 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035370.D
Acq: 22 Oct 2019 17:58

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 4386
Ion Ratio Lower Upper
84 100
86 65.7 45.4 84.2
49 115.4 86.8 161.2

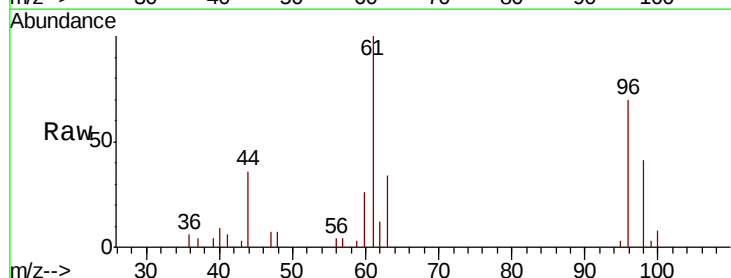


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

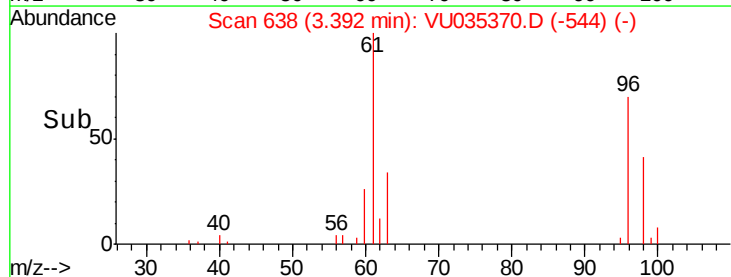
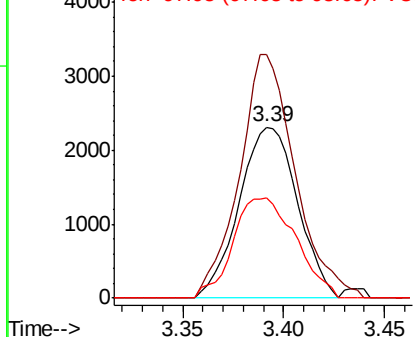


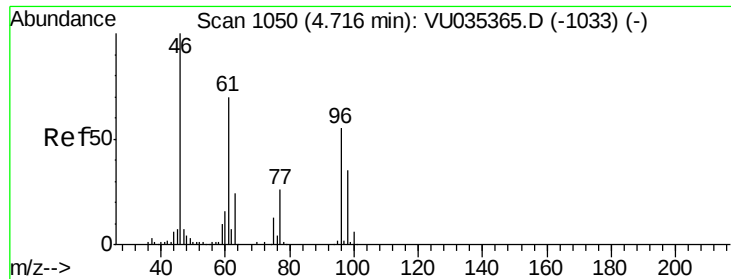
#18
trans-1,2-Dichloroethene
Concen: 0.250 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035370.D
Acq: 22 Oct 2019 17:58

Tgt Ion: 96 Resp: 4678
Ion Ratio Lower Upper
96 100
61 142.1 93.0 172.6
98 58.3 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

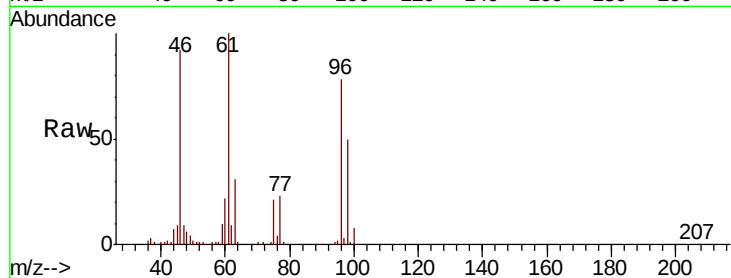




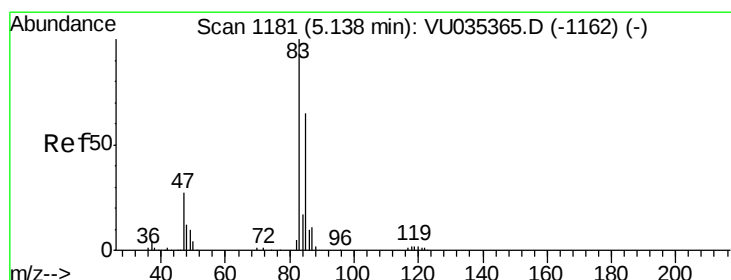
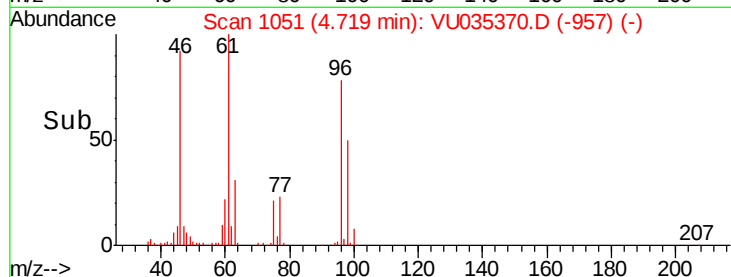
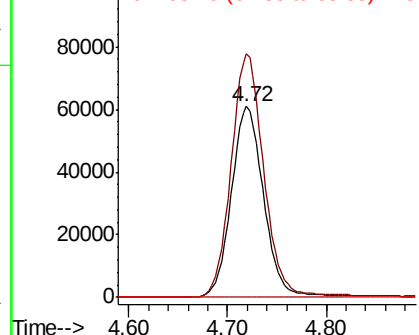
#22
 cis-1,2-Dichloroethene
 Concen: 6.736 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035370.D
 Acq: 22 Oct 2019 17:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 139113
 Ion Ratio Lower Upper
 96 100
 61 127.6 89.7 166.5
 68 0.0 0.0 0.0

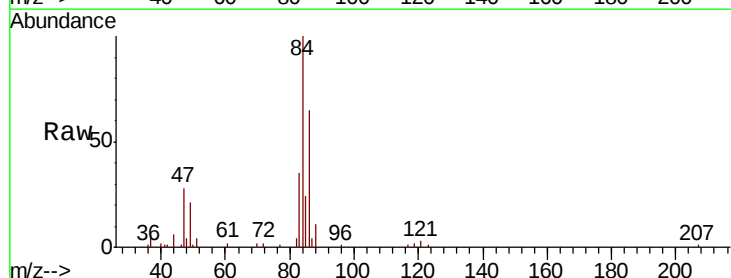


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

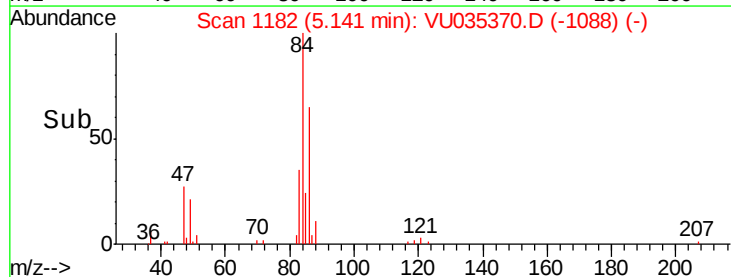
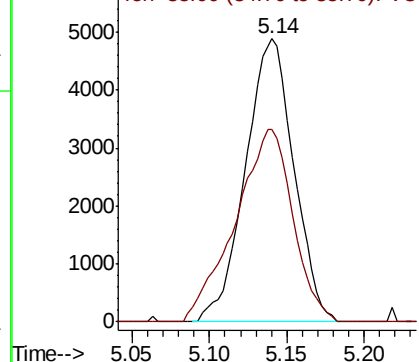


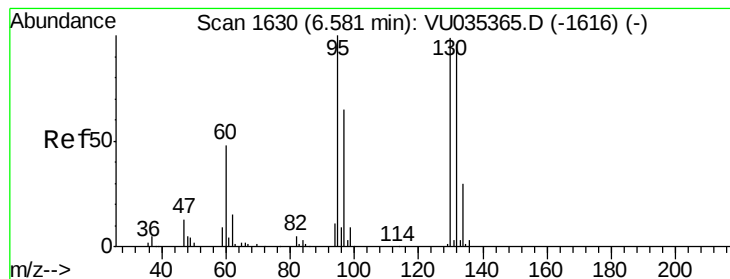
#25
 Chloroform
 Concen: 0.288 ug/L
 RT: 5.14 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU035370.D
 Acq: 22 Oct 2019 17:58

Tgt Ion: 83 Resp: 10663
 Ion Ratio Lower Upper
 83 100
 85 68.0 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 4.603 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035370.D

Acq: 22 Oct 2019 17:58

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 99480

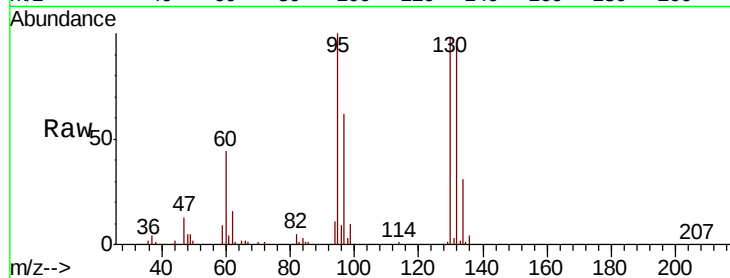
Ion Ratio Lower Upper

95 100

97 62.3 46.6 86.6

132 94.1 68.7 127.7

130 97.6 73.9 137.3

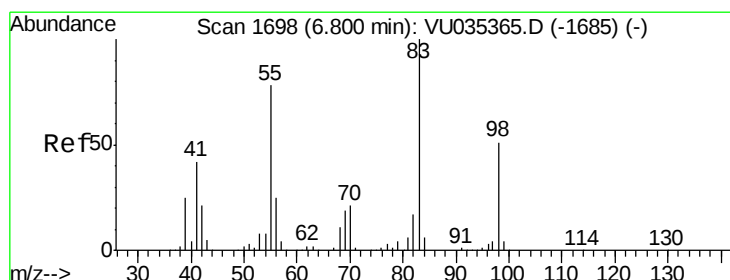
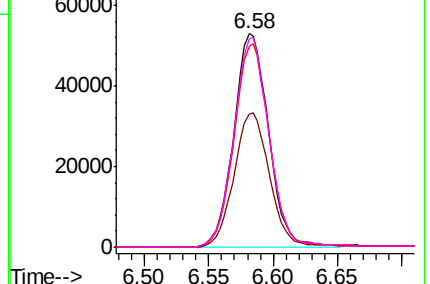
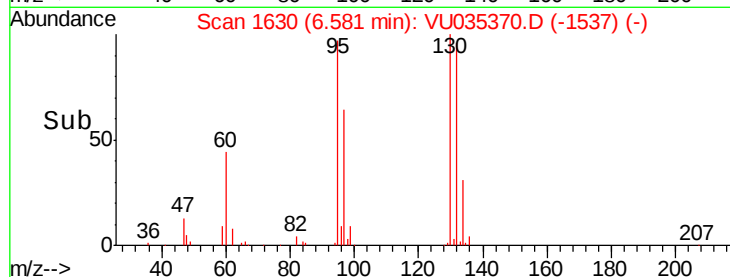


Abundance Ion 95.00 (94.70 to 95.70): VU035370.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035370.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035370.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035370.D (-1537) (-)



#35

Methylcyclohexane

Concen: 0.687 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035370.D

Acq: 22 Oct 2019 17:58

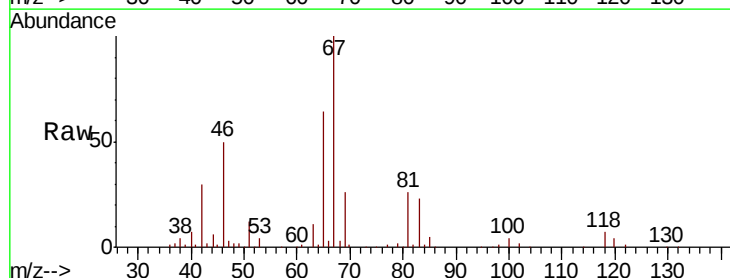
Tgt Ion: 83 Resp: 24813

Ion Ratio Lower Upper

83 100

55 0.2 60.4 90.6#

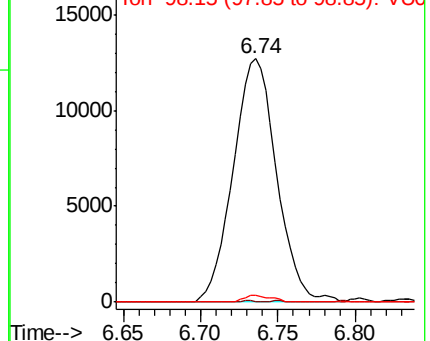
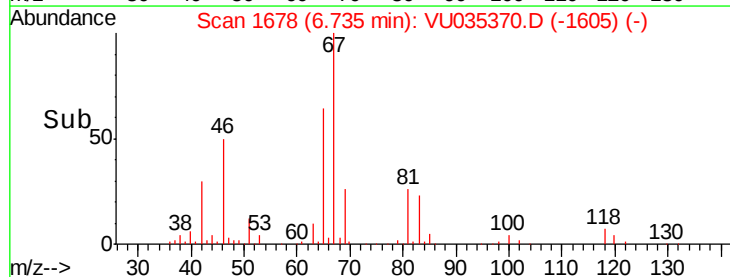
98 1.7 39.5 59.3#

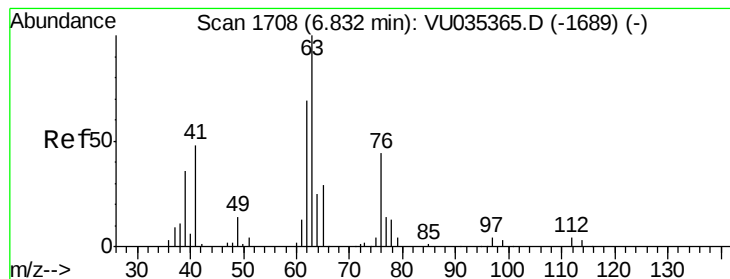


Abundance Ion 83.15 (82.85 to 83.85): VU035370.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035370.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035370.D (-1605) (-)





#37

1,2-Dichloropropane

Concen: 0.559 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035370.D

Acq: 22 Oct 2019 17:58

Instrument :

MSVOA_U

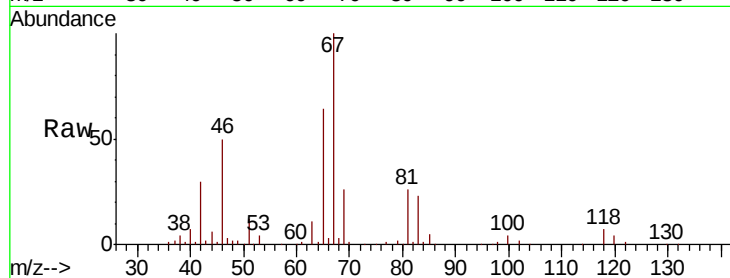
ClientSampleId :

Tot Ion: 63 Resp: 11407

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU035365.D (-1689) (-)

Ion 112.10 (111.80 to 112.80): VU035365.D (-1689) (-)

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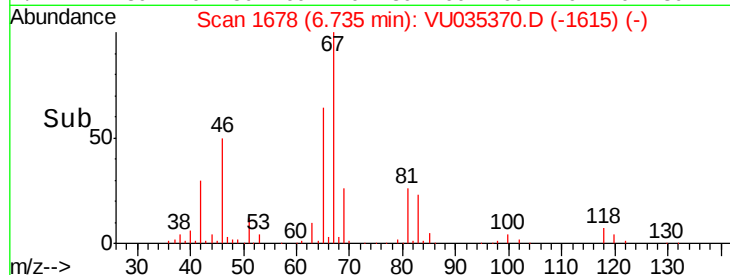
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Abundance Ion 63.10 (62.80 to 63.80): VU035365.D (-1689) (-)

Ion 112.10 (111.80 to 112.80): VU035365.D (-1689) (-)

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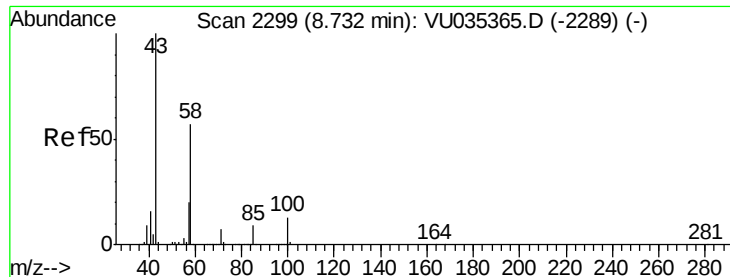
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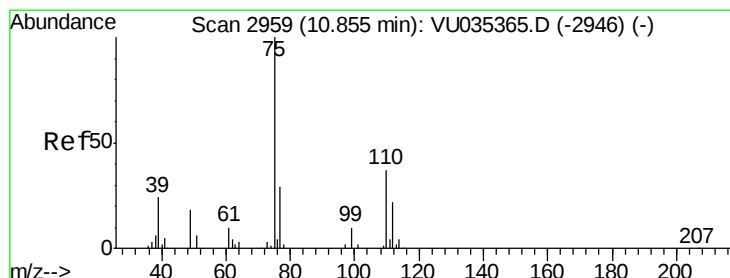
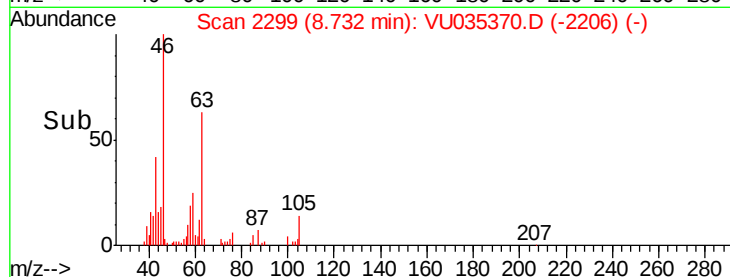
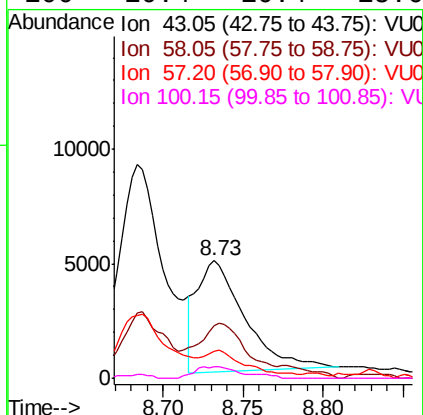
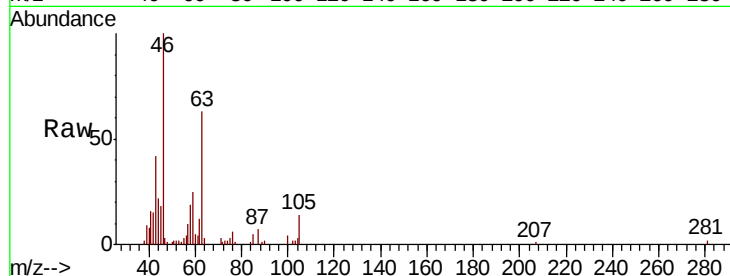
6.74



#48
 2-Hexanone
 Concen: 1.046 ug/L
 RT: 8.73 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VU035370.D
 Acq: 22 Oct 2019 17:58

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.7	45.1	67.7#
57	17.0	16.0	24.0
100	10.4	10.4	15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.867 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU035370.D
 Acq: 22 Oct 2019 17:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.0	26.2	39.2

