

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035377.D
 Acq On : 22 Oct 2019 20:52
 Operator : JC/SP
 Sample : K5461-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 08:06:22 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	259557	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	256187	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	85723	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	134575	8.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	170.00%#
7) Chloroethane-d5	1.93	69	99555	6.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	137.60%#
11) 1,1-Dichloroethene-d2	2.59	63	155781	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.40%
20) 2-Butanone-d5	4.71	46	206226	45.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.68%
24) Chloroform-d	5.11	84	156724	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.75	65	96729	6.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.80%
32) Benzene-d6	5.77	84	354848	6.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.20%
36) 1,2-Dichloropropane-d6	6.74	67	116307	6.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	125.00%
41) Toluene-d8	7.93	98	309369	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
43) trans-1,3-Dichloropropene-	8.22	79	40802	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.70	63	156241	39.24	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.48%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	92904	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	90656	5.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	2432833	108.103 ug/L	99
12) 1,1-Dichloroethene	2.61	96	9171	0.550 ug/L #	1
13) Acetone	2.67	43	3257	1.030 ug/L	87
16) Methylene chloride	3.08	84	2280	0.114 ug/L	91
17) Methyl tert-butyl Ether	3.43	73	110412	2.460 ug/L #	88
18) trans-1,2-Dichloroethene	3.39	96	426906	23.723 ug/L	94
19) 1,1-Dichloroethane	3.92	63	52995	1.628 ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	9187403	461.899 ug/L	97
25) Chloroform	5.14	83	22103	0.619 ug/L	98
30) Cyclohexane	5.43	56	7590	0.236 ug/L	95
33) Benzene	5.82	78	50282	0.667 ug/L	100
35) Methylcyclohexane	6.74	83	27870	0.823 ug/L #	19
39) cis-1,3-Dichloropropene	7.61	75	2610	0.081 ug/L #	49
48) 2-Hexanone	8.69	43	14163	1.563 ug/L #	44
59) 1,2,3-Trichloropropane	11.84	75	10744	0.806 ug/L	94

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration

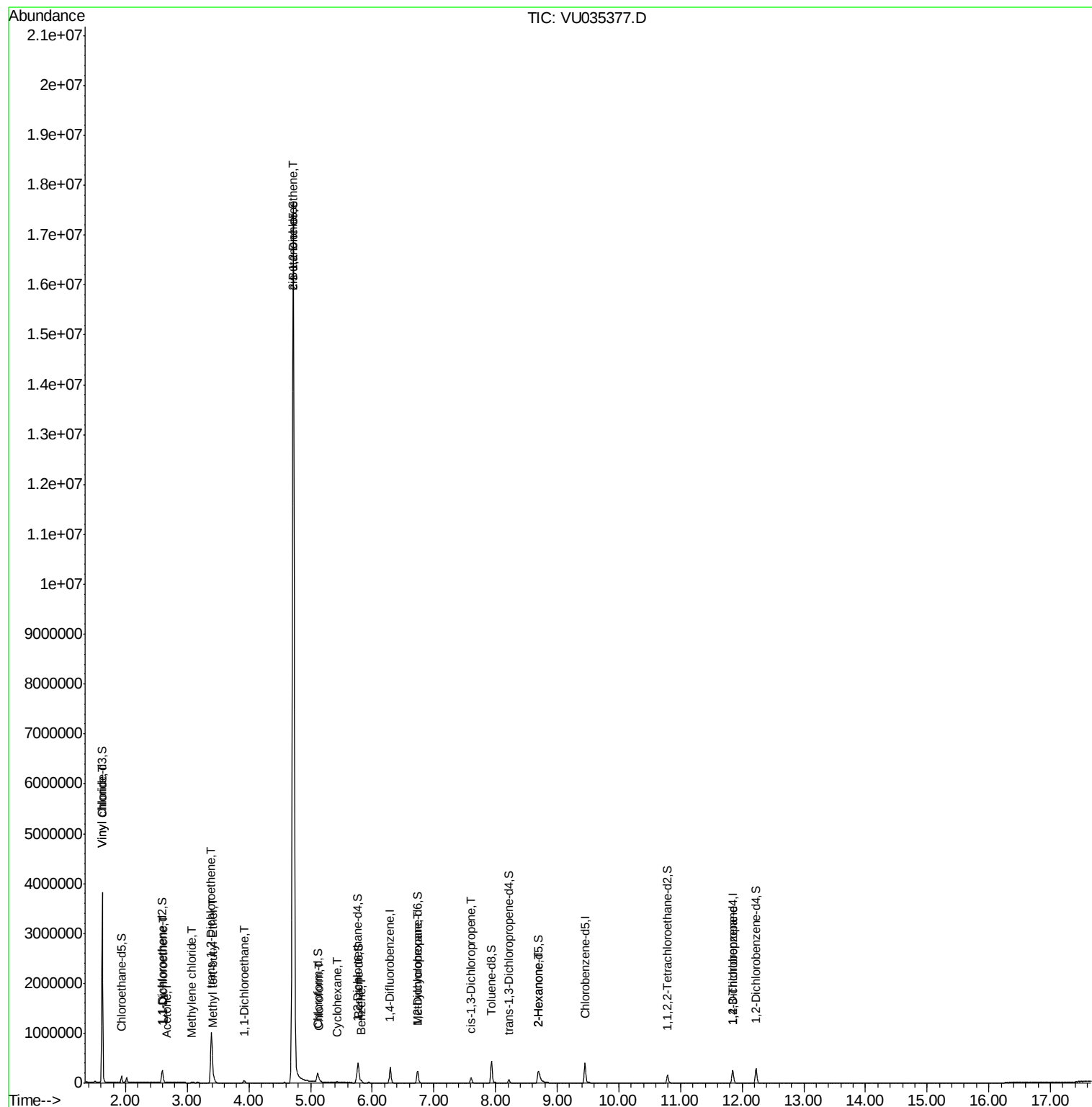
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

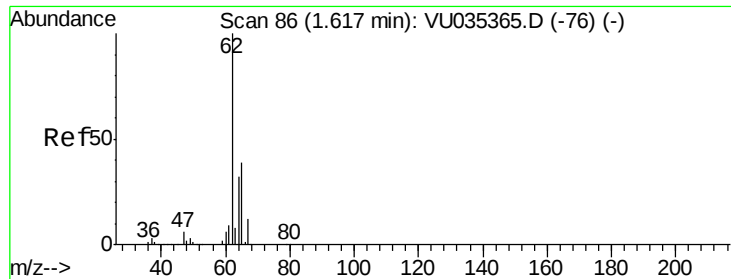
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 108.103 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035377.D

Acq: 22 Oct 2019 20:52

Instrument :

MSVOA_U

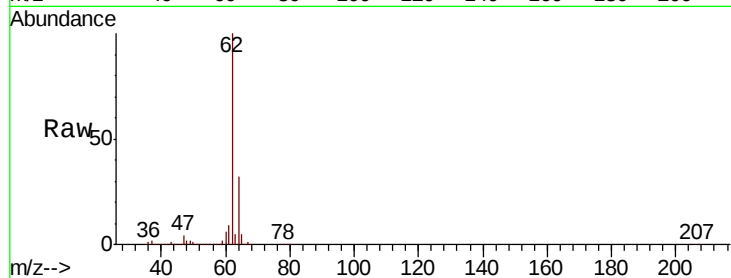
ClientSampled :

Tot Ion: 62 Resp: 2432833

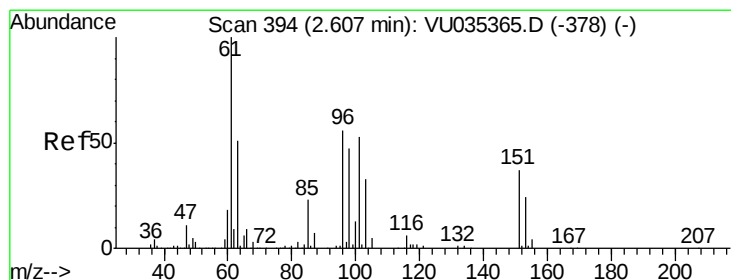
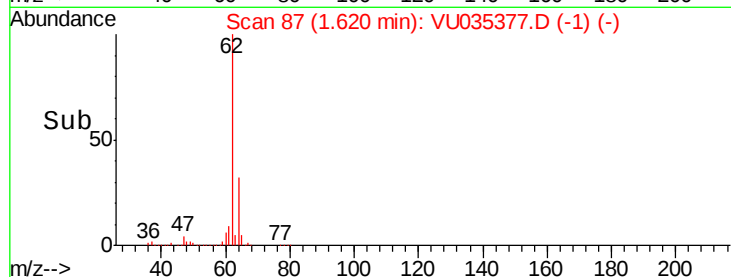
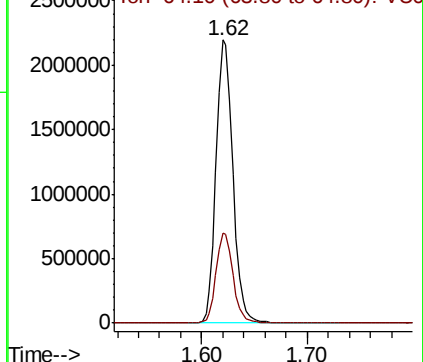
Ion Ratio Lower Upper

62 100

64 32.0 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035377.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 0.550 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035377.D

Acq: 22 Oct 2019 20:52

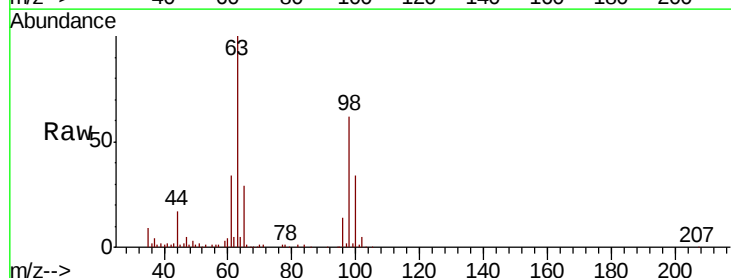
Tgt Ion: 96 Resp: 9171

Ion Ratio Lower Upper

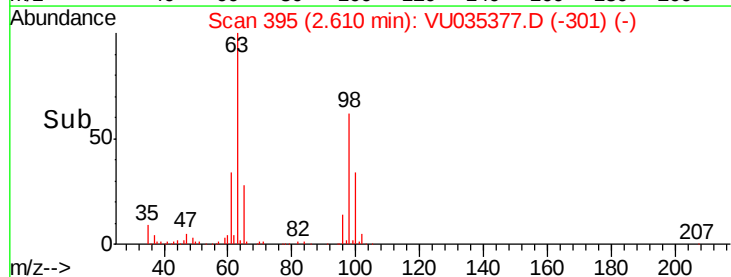
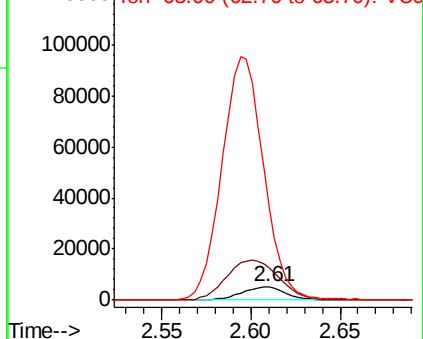
96 100

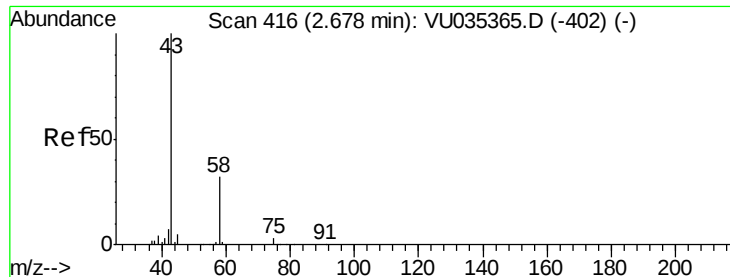
61 239.8 120.6 224.0#

63 703.8 86.8 161.2#



Abundance Ion 96.00 (95.70 to 96.70): VU035377.D (-301) (-)





#13

Acetone

Concen: 1.030 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU035377.D

Acq: 22 Oct 2019 20:52

Instrument :

MSVOA_U

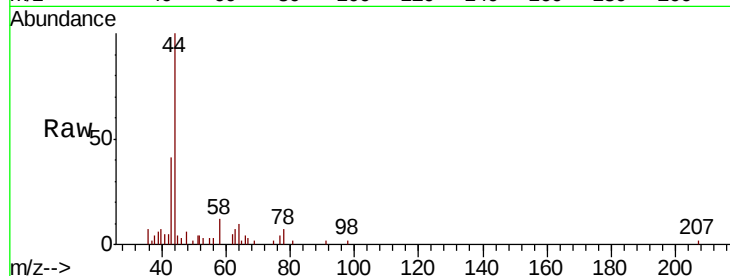
ClientSampleId :

Tot Ion: 43 Resp: 3257

Ion Ratio Lower Upper

43 100

58 37.9 0.0 61.8

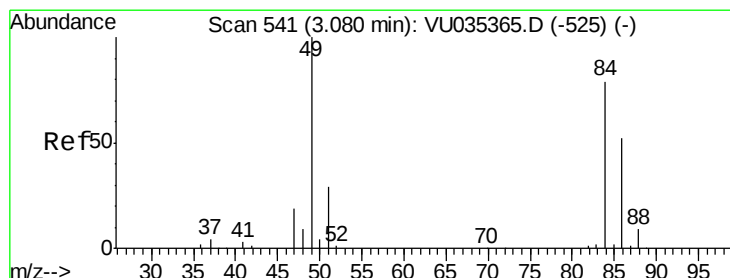
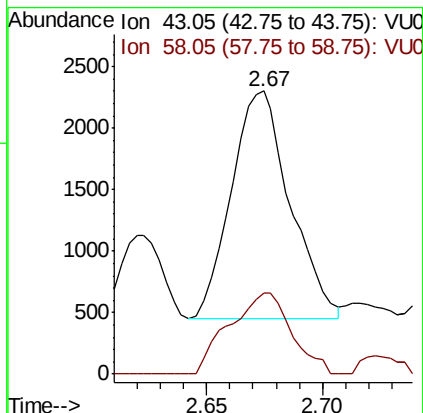
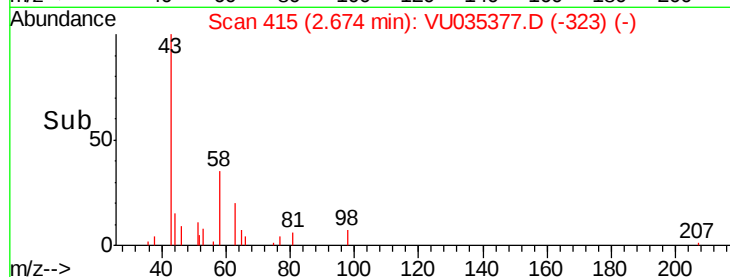


Abundance Ion 43.05 (42.75 to 43.75): VU035365.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035365.D (-402) (-)

2.67

2.65 2.70



#16

Methylene chloride

Concen: 0.114 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035377.D

Acq: 22 Oct 2019 20:52

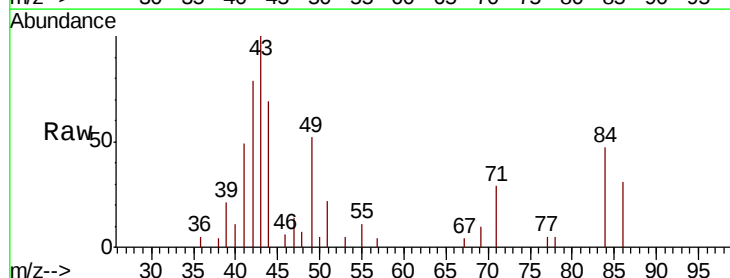
Tgt Ion: 84 Resp: 2280

Ion Ratio Lower Upper

84 100

86 66.2 45.4 84.2

49 108.9 86.8 161.2



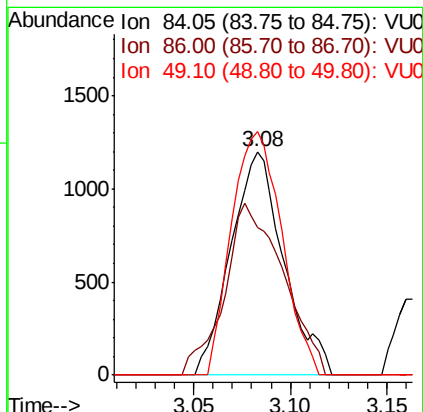
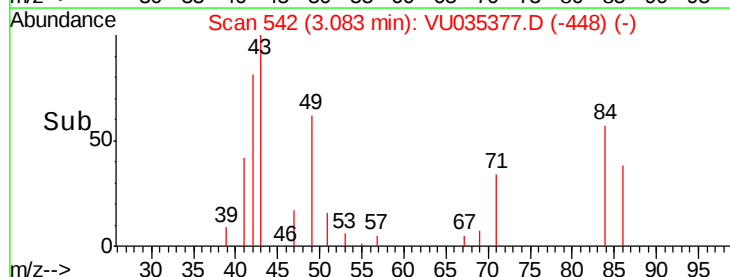
Abundance Ion 84.05 (83.75 to 84.75): VU035365.D (-525) (-)

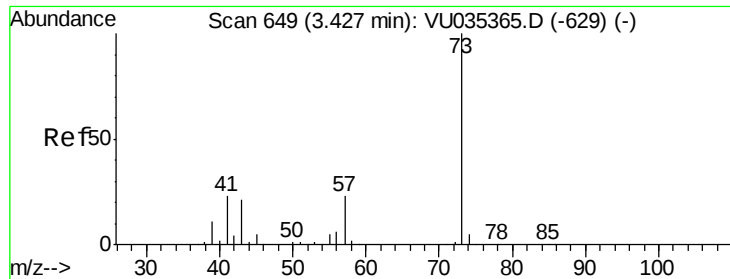
Ion 86.00 (85.70 to 86.70): VU035365.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU035365.D (-525) (-)

3.08

3.05 3.10 3.15

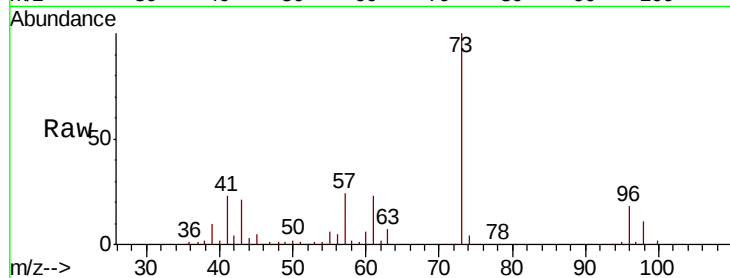




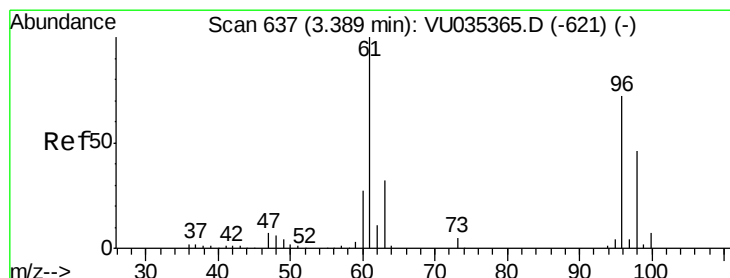
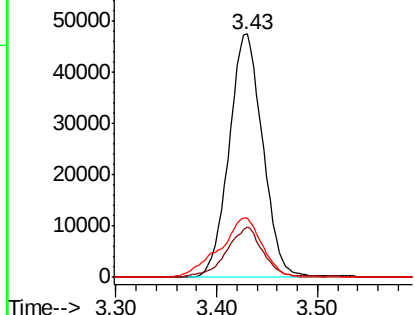
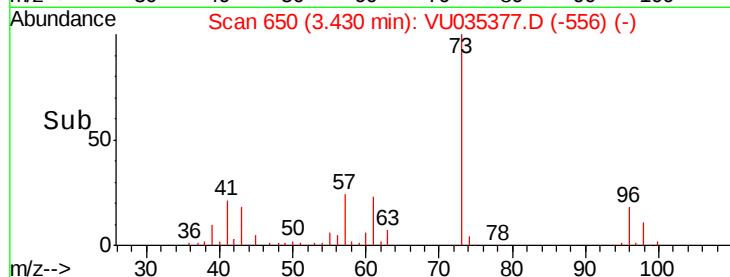
#17
Methvl tert-butvl Ether
Concen: 2.460 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035377.D
Acq: 22 Oct 2019 20:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 110412
Ion Ratio Lower Upper
73 100
43 22.5 16.0 24.0
57 30.7 17.4 26.2#

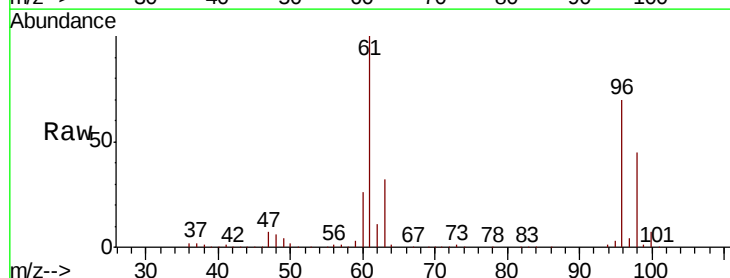


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

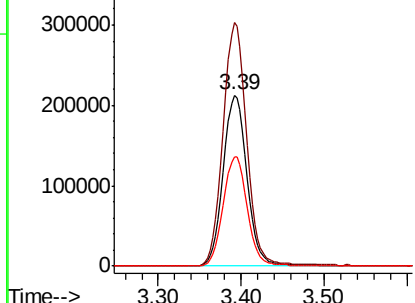
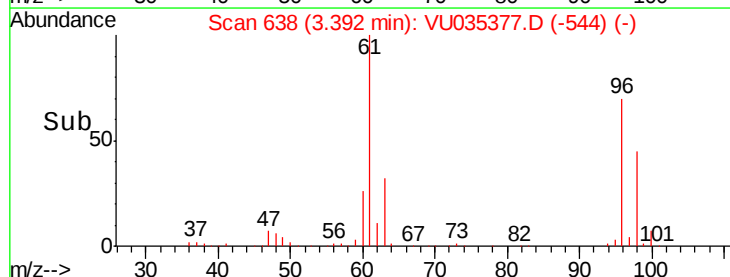


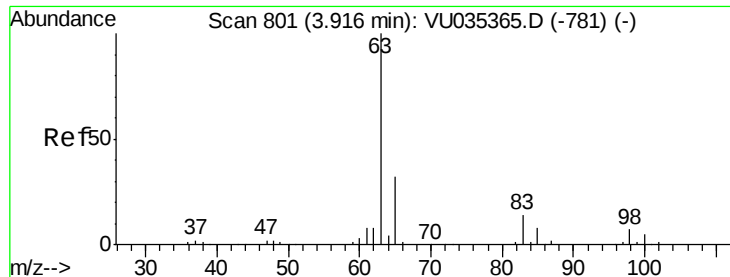
#18
trans-1,2-Dichloroethene
Concen: 23.723 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035377.D
Acq: 22 Oct 2019 20:52

Tgt Ion: 96 Resp: 426906
Ion Ratio Lower Upper
96 100
61 142.3 93.0 172.6
98 63.8 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





#19

1,1-Dichloroethane

Concen: 1.628 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.01 min

Lab File: VU035377.D

Acq: 22 Oct 2019 20:52

Instrument :

MSVOA_U

ClientSampled :

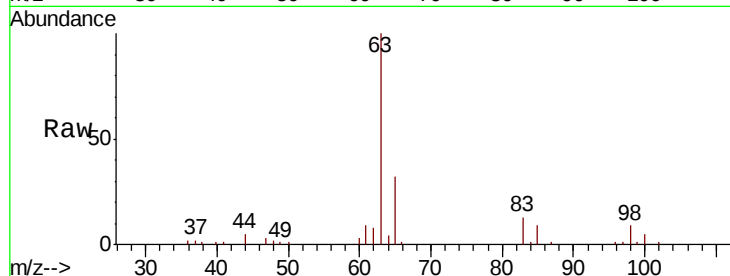
Tot Ion: 63 Resp: 52995

Ion Ratio Lower Upper

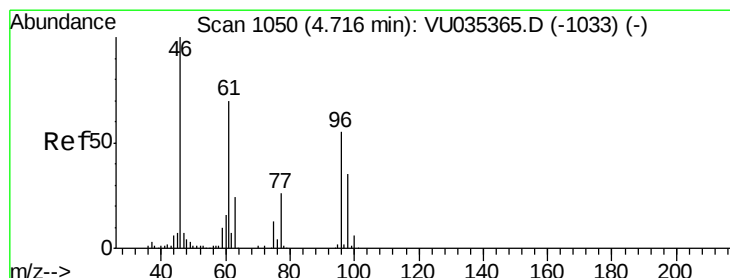
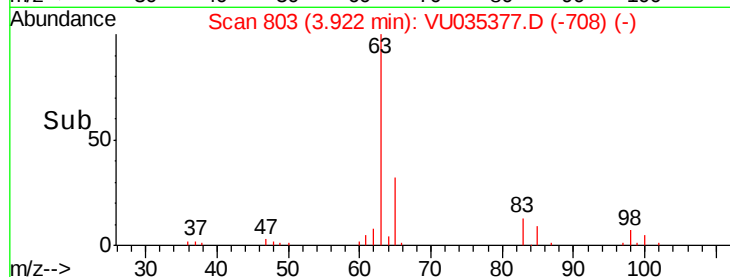
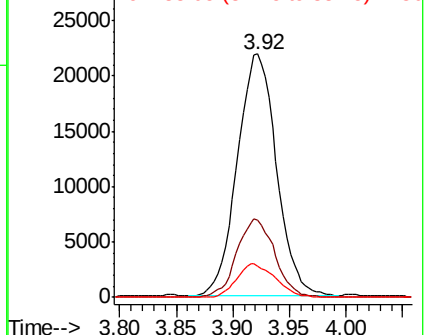
63 100

65 31.9 22.4 41.6

83 13.0 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



#22

cis-1,2-Dichloroethene

Concen: 461.899 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035377.D

Acq: 22 Oct 2019 20:52

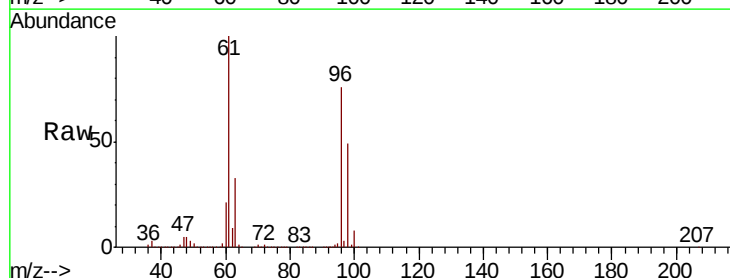
Tgt Ion: 96 Resp: 9187403

Ion Ratio Lower Upper

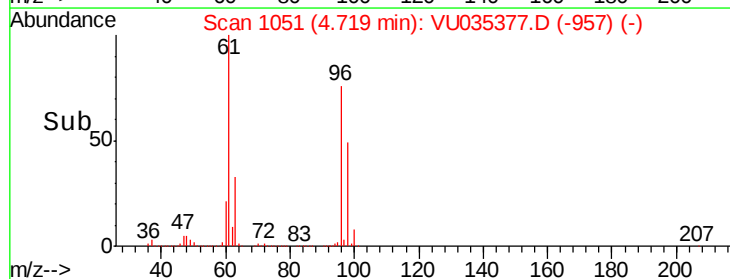
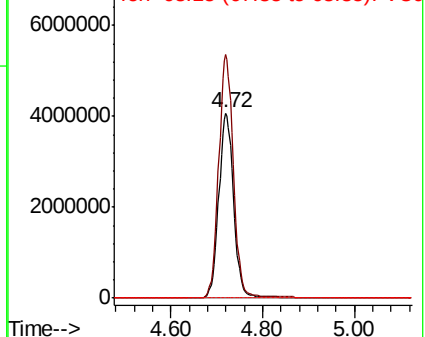
96 100

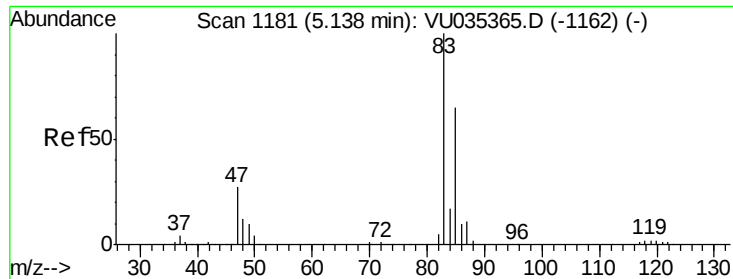
61 131.8 89.7 166.5

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

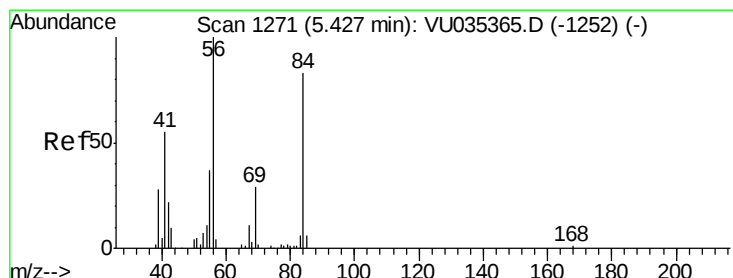
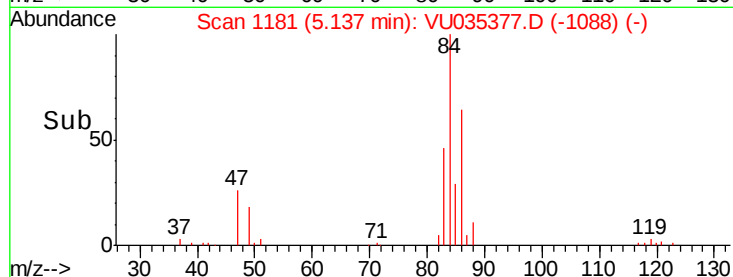
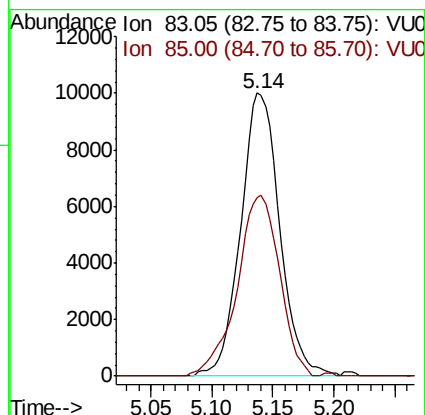
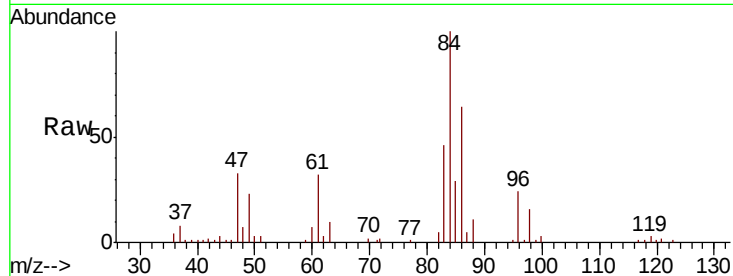




#25
Chloroform
Concen: 0.619 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035377.D
Acq: 22 Oct 2019 20:52

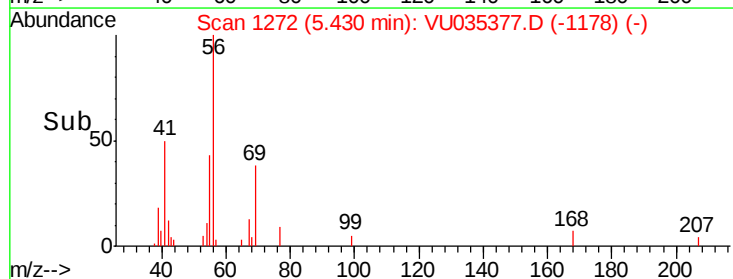
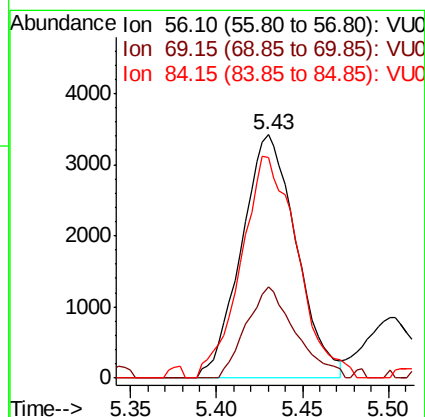
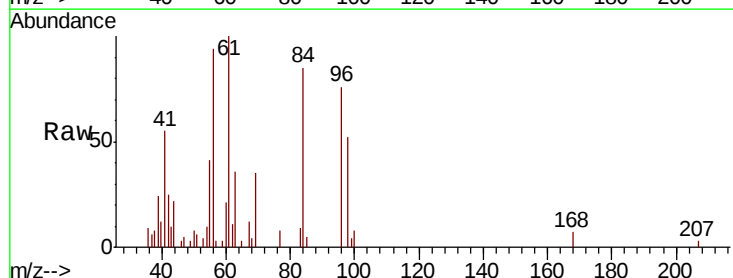
Instrument :
MSVOA_U
ClientSampled :

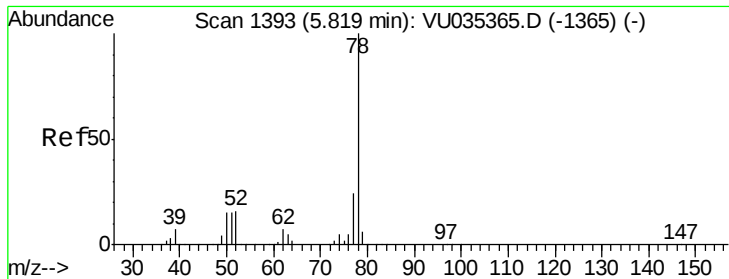
Tot Ion: 83 Resp: 22103
Ion Ratio Lower Upper
83 100
85 63.2 45.1 83.9



#30
Cyclohexane
Concen: 0.236 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035377.D
Acq: 22 Oct 2019 20:52

Tgt Ion: 56 Resp: 7590
Ion Ratio Lower Upper
56 100
69 33.5 24.6 36.8
84 93.5 71.5 107.3

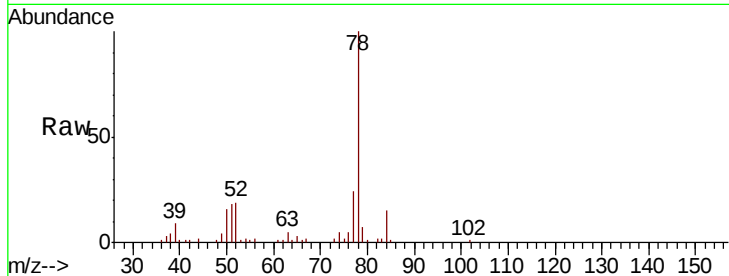




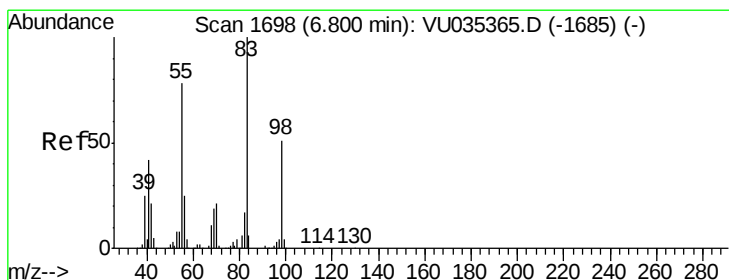
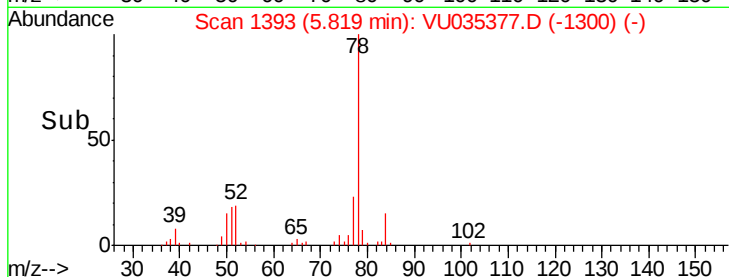
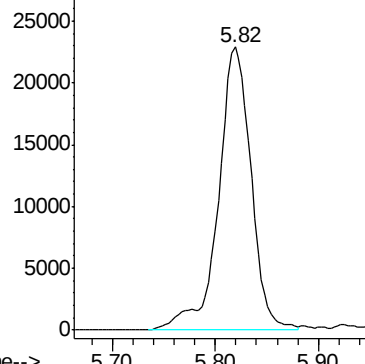
#33
Benzene
Concen: 0.667 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035377.D
Acq: 22 Oct 2019 20:52

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 50282

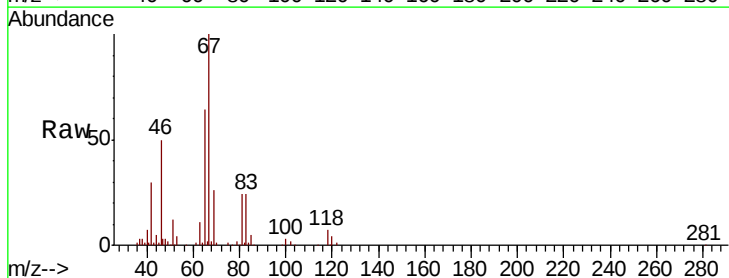


Abundance Ion 78.10 (77.80 to 78.80): VU0



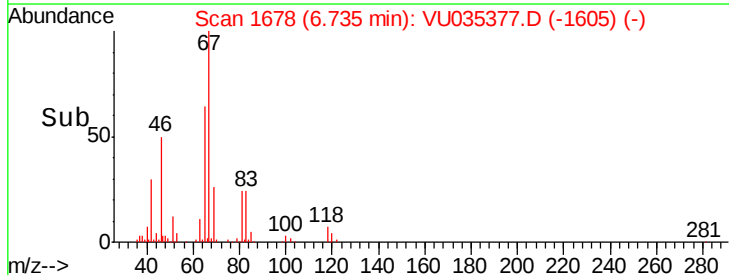
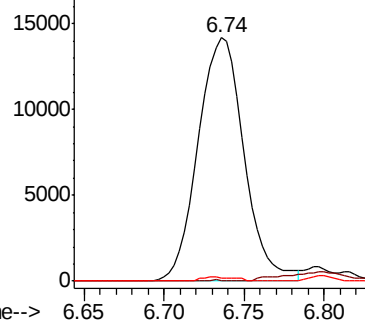
#35
Methylcyclohexane
Concen: 0.823 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035377.D
Acq: 22 Oct 2019 20:52

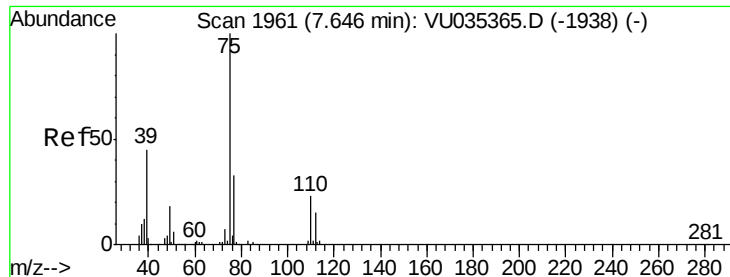
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	60.4	90.6#
98	1.2	39.5	59.3#



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





#39

cis-1,3-Dichloropropene

Concen: 0.081 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU035377.D

Acq: 22 Oct 2019 20:52

Instrument :

MSVOA_U

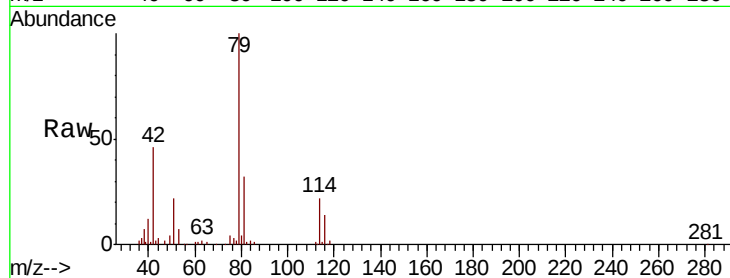
ClientSampleId :

Tot Ion: 75 Resp: 2610

Ion Ratio Lower Upper

75 100

77 61.2 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

1500

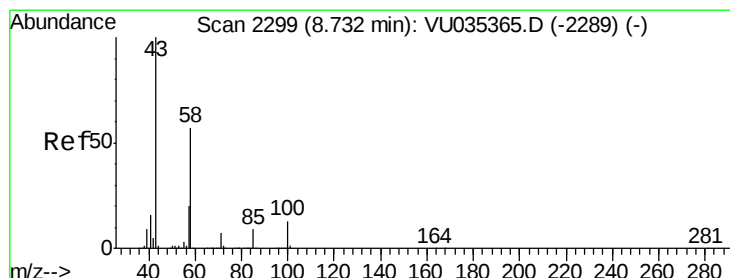
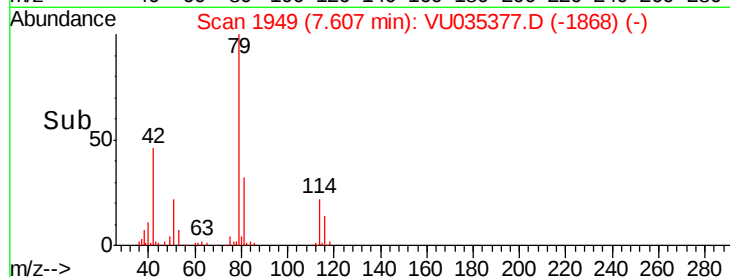
1000

500

0

7.55 7.60 7.65

Time-->



#48

2-Hexanone

Concen: 1.563 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. -0.04 min

Lab File: VU035377.D

Acq: 22 Oct 2019 20:52

Tgt Ion: 43 Resp: 14163

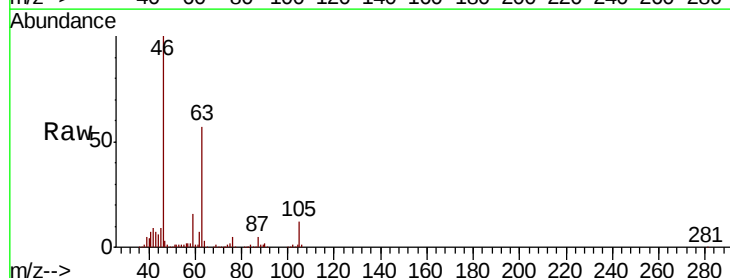
Ion Ratio Lower Upper

43 100

58 15.8 45.1 67.7#

57 54.6 16.0 24.0#

100 0.8 10.4 15.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

8000

6000

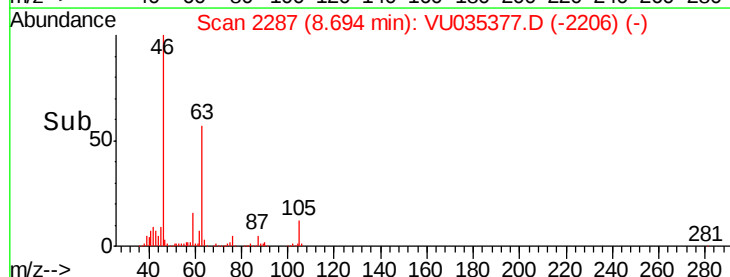
4000

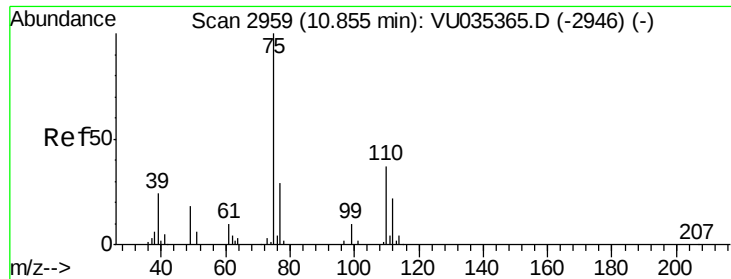
2000

0

8.65 8.70

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.806 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035377.D

Acq: 22 Oct 2019 20:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 10744

Ion Ratio Lower Upper

75 100

77 36.0 26.2 39.2

