

Data File : VU035464.D
Acq On : 24 Oct 2019 17:19
Operator : JC/SP
Sample : K5488-22DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G36DL

Quant Time: Oct 25 07:08:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	214407	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	221110	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	66484	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	46375	3.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.00%
7) Chloroethane-d5	1.93	69	51335	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.59	63	66936	2.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.40%#
20) 2-Butanone-d5	4.70	46	229781	61.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.32%
24) Chloroform-d	5.11	84	114876	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.75	65	69200	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.77	84	201872	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.80%
36) 1,2-Dichloropropane-d6	6.74	67	79524	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.93	98	159736	3.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.00%#
43) trans-1,3-Dichloropropene-	8.22	79	27392	3.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.40%
46) 2-Hexanone-d5	8.68	63	145178	42.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.50%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	76321	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	52406	4.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.60%

Target Compounds

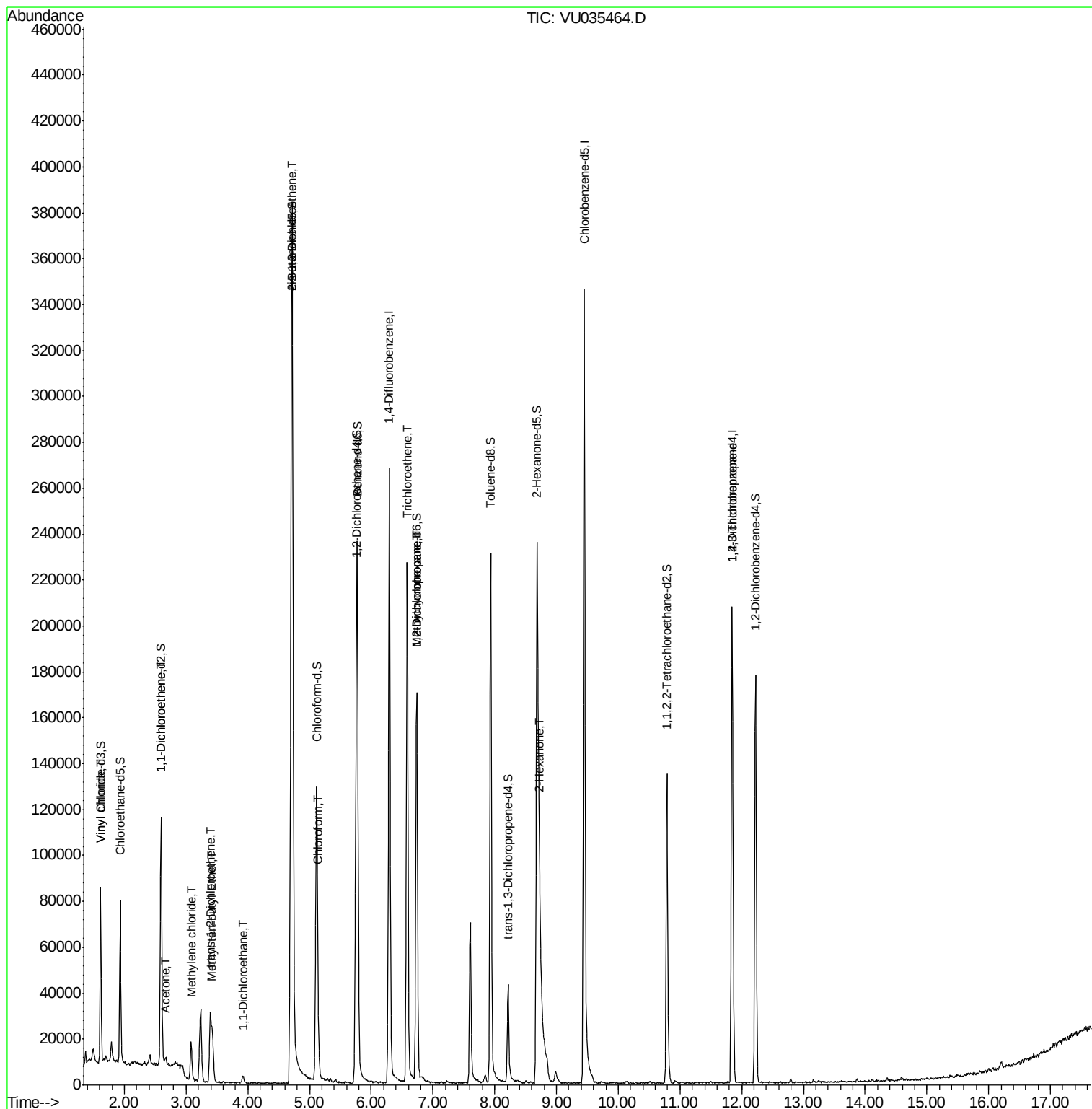
					Qvalue
5) Vinyl chloride	1.62	62	7967	0.429 ug/L #	50
12) 1,1-Dichloroethene	2.60	96	1401	0.102 ug/L #	1
13) Acetone	2.67	43	2405	0.920 ug/L	88
16) Methylene chloride	3.08	84	7762	0.468 ug/L	95
17) Methyl tert-butyl Ether	3.43	73	22045	0.595 ug/L	96
18) trans-1,2-Dichloroethene	3.39	96	11772	0.792 ug/L	89
19) 1,1-Dichloroethane	3.92	63	4028	0.150 ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	142170	8.653 ug/L	93
25) Chloroform	5.14	83	10325	0.350 ug/L	93
34) Trichloroethene	6.58	95	76747	4.388 ug/L	94
35) Methylcyclohexane	6.74	83	18260	0.625 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	8959	0.542 ug/L #	87
48) 2-Hexanone	8.73	43	19230	2.459 ug/L #	70
59) 1,2,3-Trichloropropane	11.84	75	8841	0.768 ug/L	96

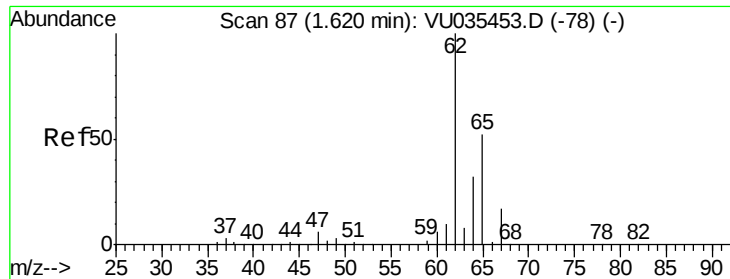
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.429 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035464.D

Acq: 24 Oct 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

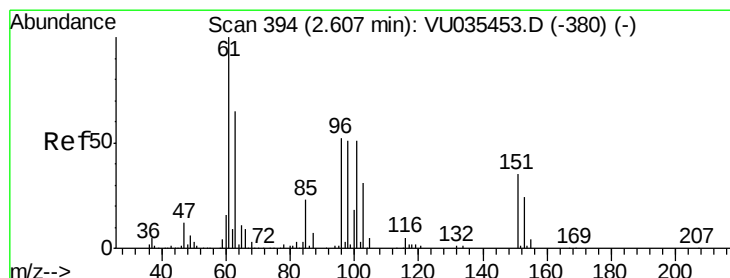
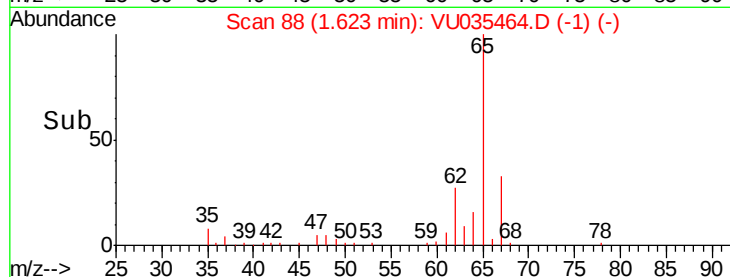
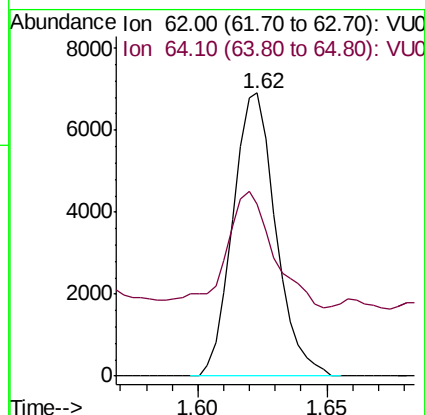
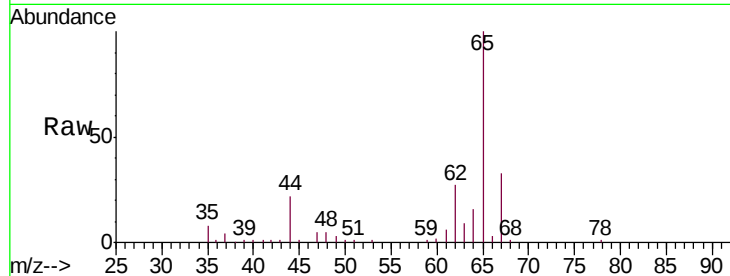
H0G36DL

Tgt Ion: 62 Resp: 7967

Ion Ratio Lower Upper

62 100

64 61.0 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 0.102 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035464.D

Acq: 24 Oct 2019 17:19

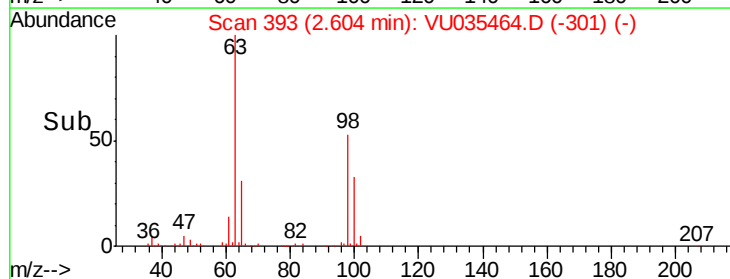
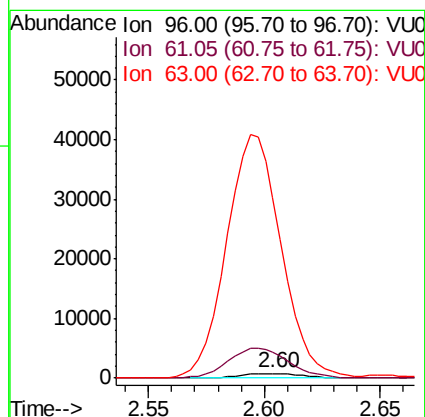
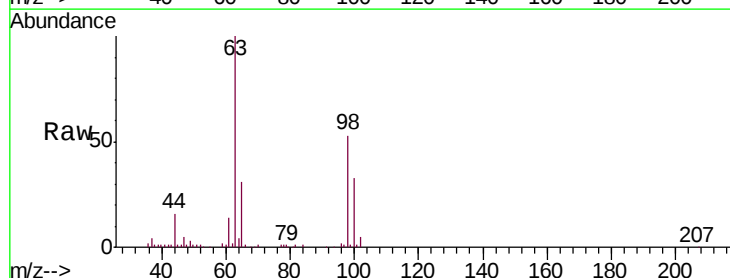
Tgt Ion: 96 Resp: 1401

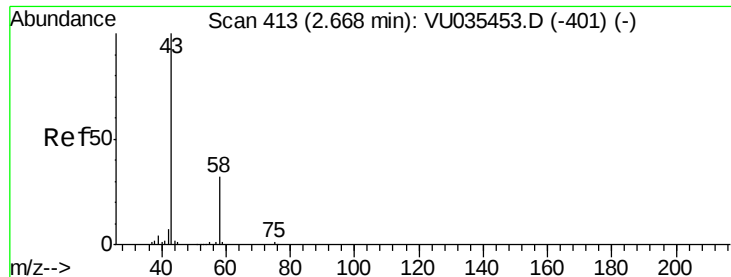
Ion Ratio Lower Upper

96 100

61 576.9 120.6 224.0#

63 4027.7 86.8 161.2#





#13

Acetone

Concen: 0.920 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU035464.D

Acq: 24 Oct 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

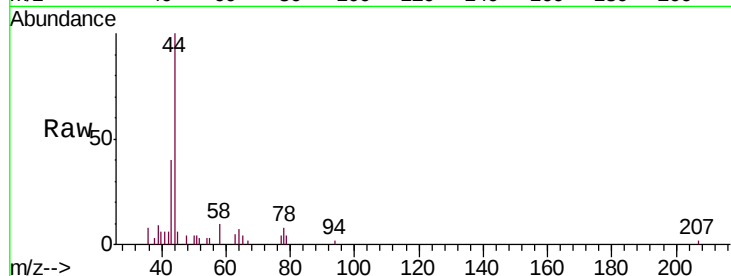
H0G36DL

Tgt Ion: 43 Resp: 2405

Ion Ratio Lower Upper

43 100

58 37.3 0.0 61.8

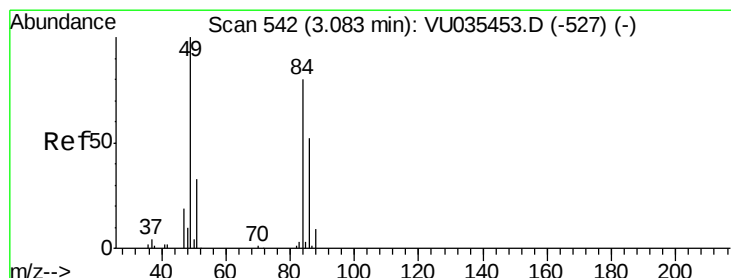
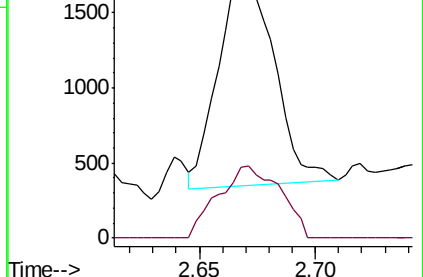
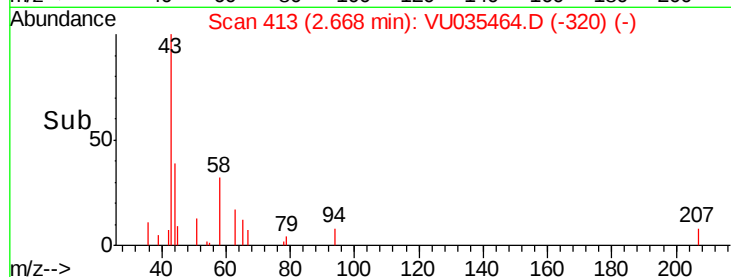


Abundance Ion 43.05 (42.75 to 43.75): VU035453.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU035453.D (-401) (-)

2.67

2.65 2.70



#16

Methylene chloride

Concen: 0.468 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035464.D

Acq: 24 Oct 2019 17:19

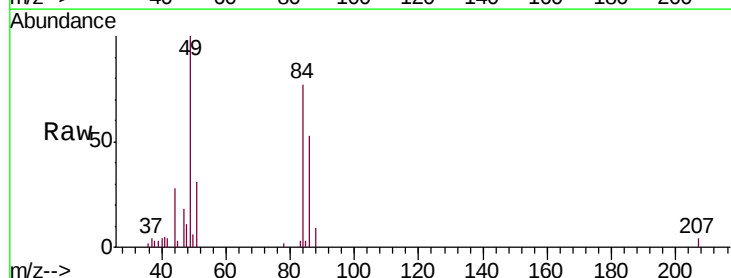
Tgt Ion: 84 Resp: 7762

Ion Ratio Lower Upper

84 100

86 69.1 45.4 84.2

49 129.9 86.8 161.2



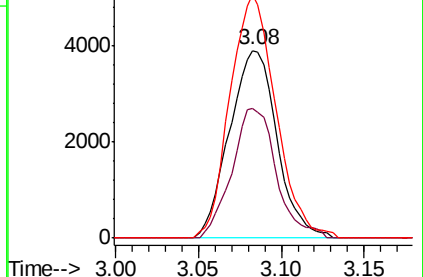
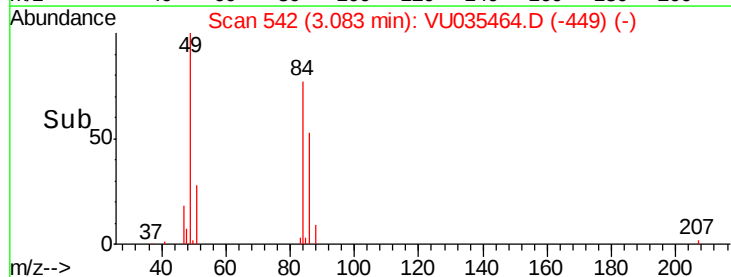
Abundance Ion 84.05 (83.75 to 84.75): VU035453.D (-527) (-)

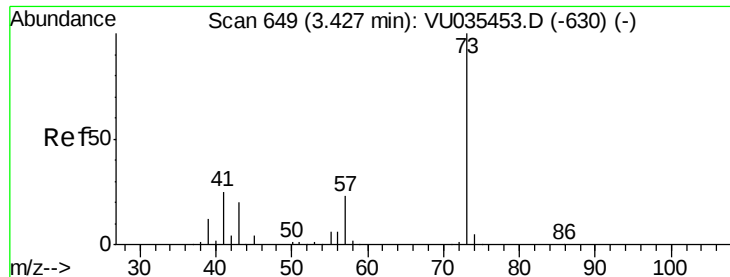
Ion 86.00 (85.70 to 86.70): VU035453.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU035453.D (-527) (-)

3.08

3.05 3.10 3.15





#17

Methyl tert-butyl Ether

Concen: 0.595 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035464.D

Acq: 24 Oct 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

H0G36DL

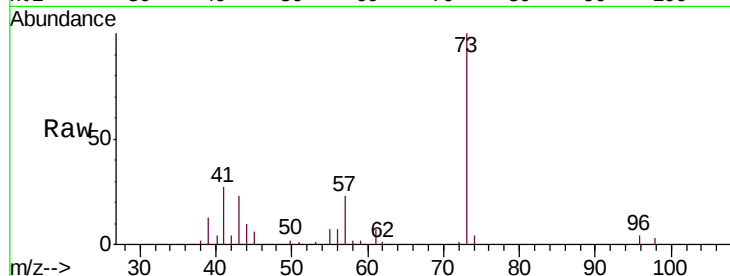
Tgt Ion: 73 Resp: 22045

Ion Ratio Lower Upper

73 100

43 23.7 16.0 24.0

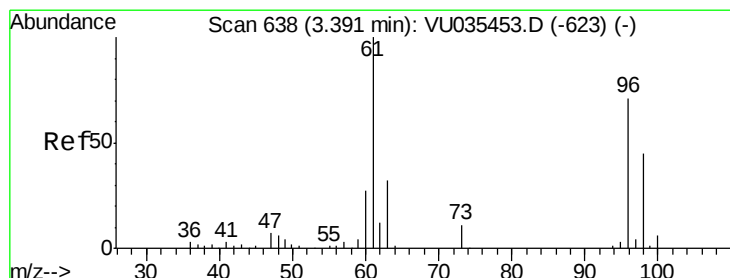
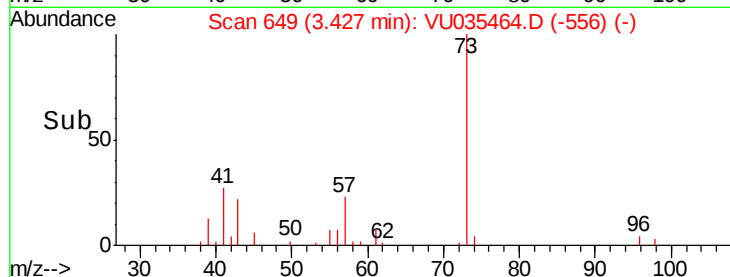
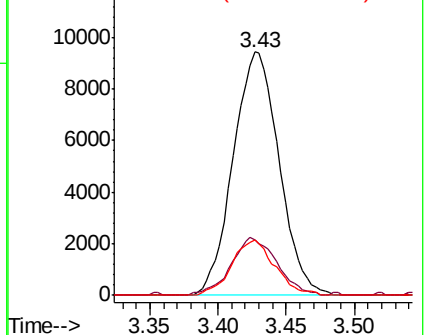
57 21.4 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU035453.D (-630) (-)

Ion 43.05 (42.75 to 43.75): VU035453.D (-630) (-)

Ion 57.10 (56.80 to 57.80): VU035453.D (-630) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.792 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035464.D

Acq: 24 Oct 2019 17:19

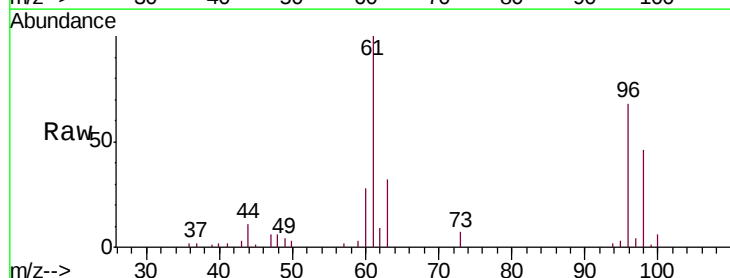
Tgt Ion: 96 Resp: 11772

Ion Ratio Lower Upper

96 100

61 148.0 93.0 172.6

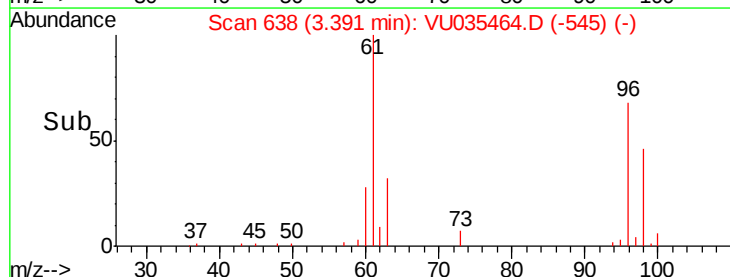
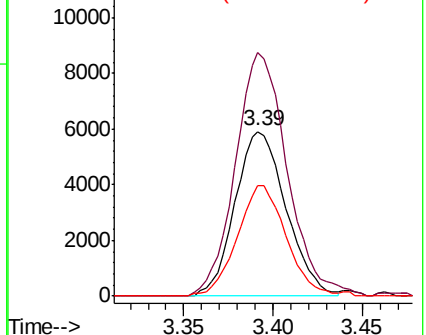
98 67.5 43.7 81.1

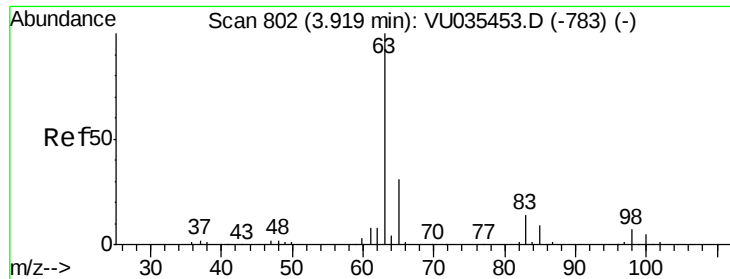


Abundance Ion 96.00 (95.70 to 96.70): VU035453.D (-623) (-)

Ion 61.05 (60.75 to 61.75): VU035453.D (-623) (-)

Ion 97.95 (97.65 to 98.65): VU035453.D (-623) (-)

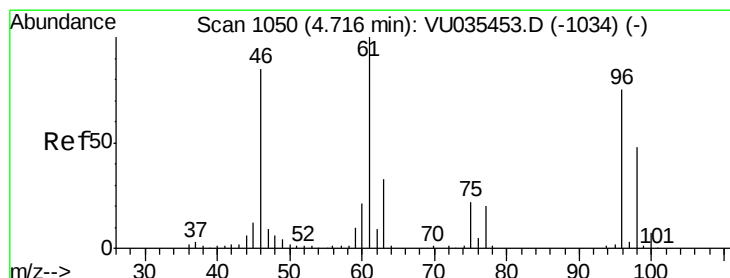
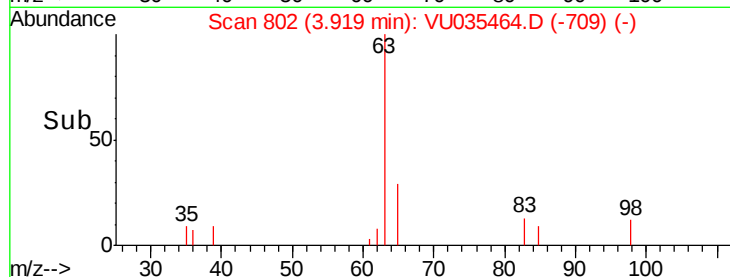
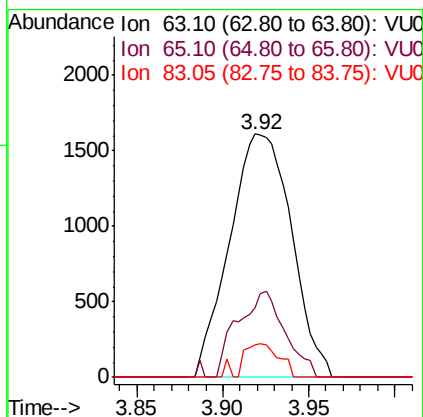
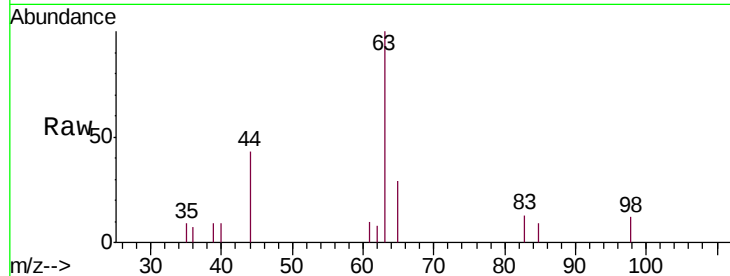




#19
 1,1-Dichloroethane
 Concen: 0.150 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035464.D
 Acq: 24 Oct 2019 17:19

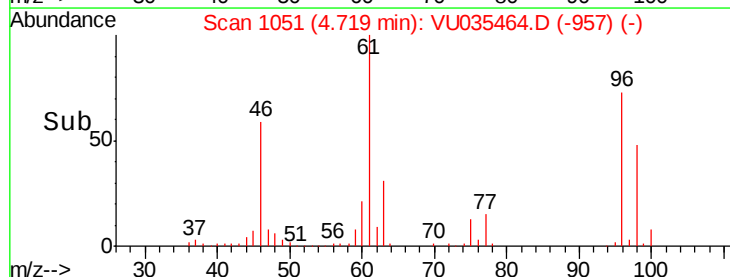
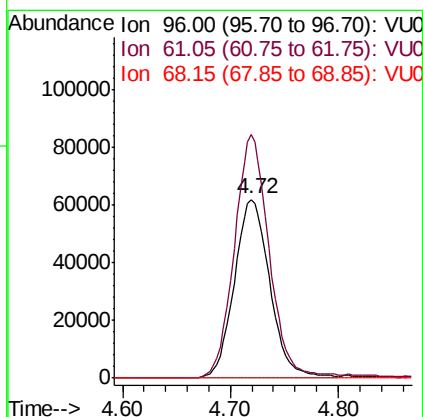
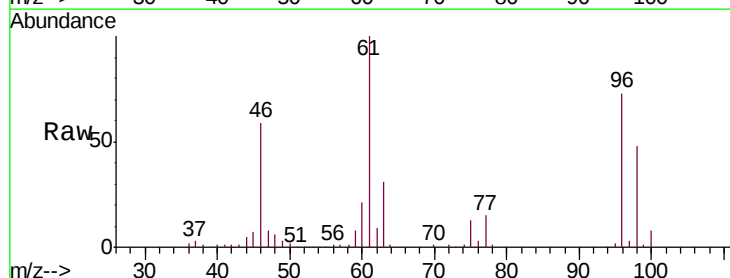
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G36DL

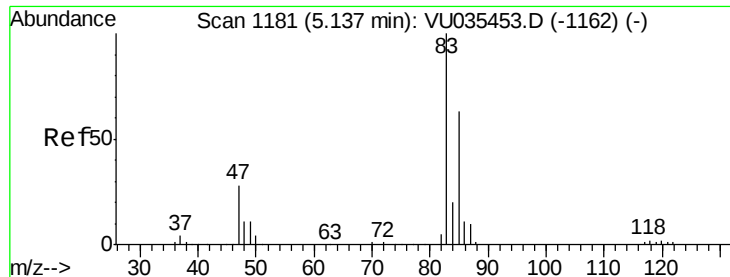
Tgt Ion: 63 Resp: 4028
 Ion Ratio Lower Upper
 63 100
 65 28.8 22.4 41.6
 83 13.1 9.3 17.3



#22
 cis-1,2-Dichloroethene
 Concen: 8.653 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035464.D
 Acq: 24 Oct 2019 17:19

Tgt Ion: 96 Resp: 142170
 Ion Ratio Lower Upper
 96 100
 61 136.1 89.7 166.5
 68 0.0 0.0 0.0

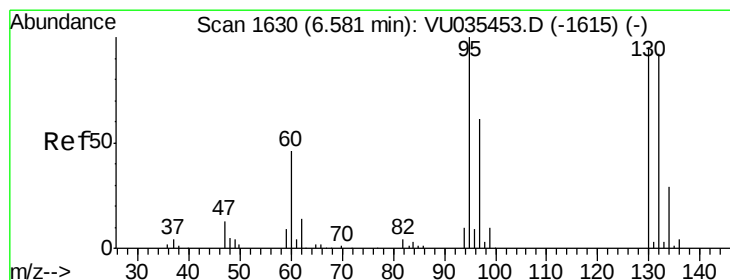
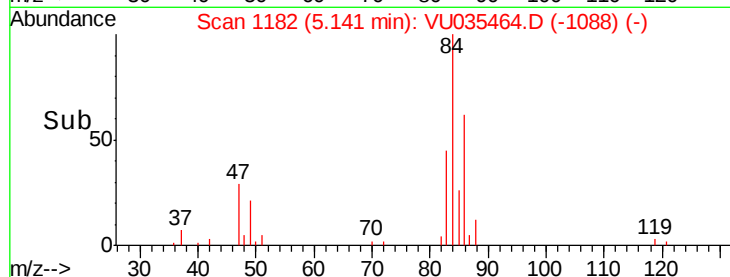
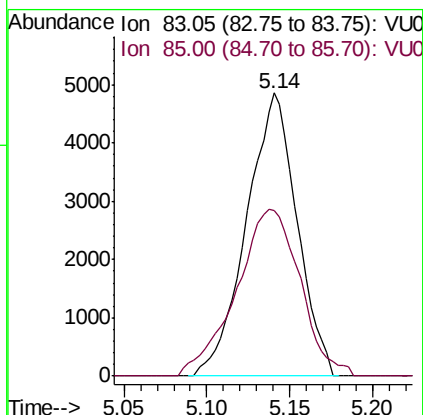
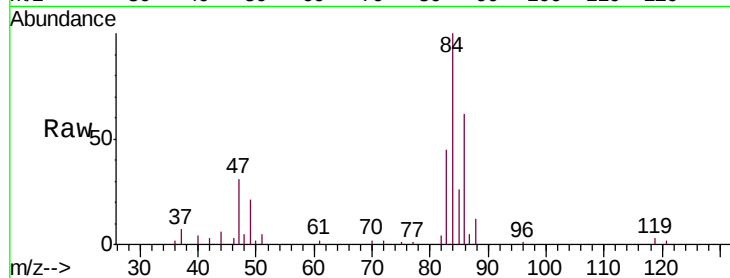




#25
Chloroform
Concen: 0.350 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035464.D
Acq: 24 Oct 2019 17:19

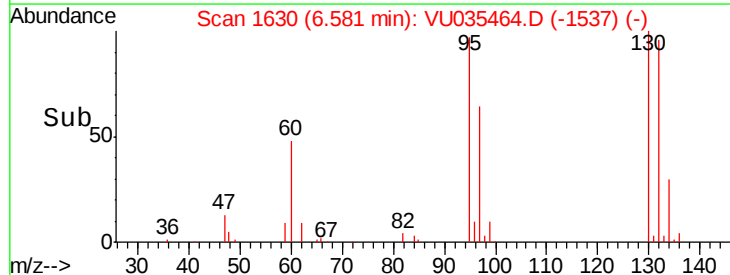
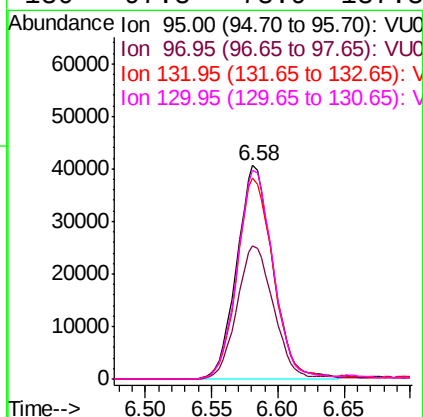
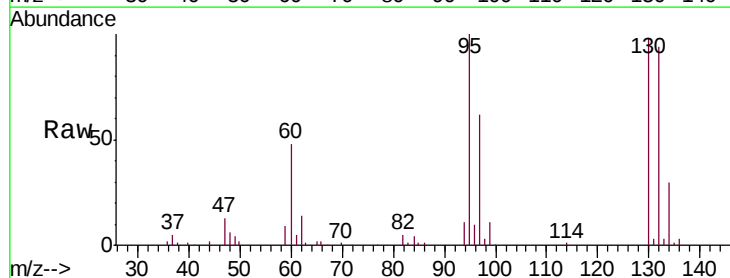
Instrument :
MSVOA_U
ClientSampled :
H0G36DL

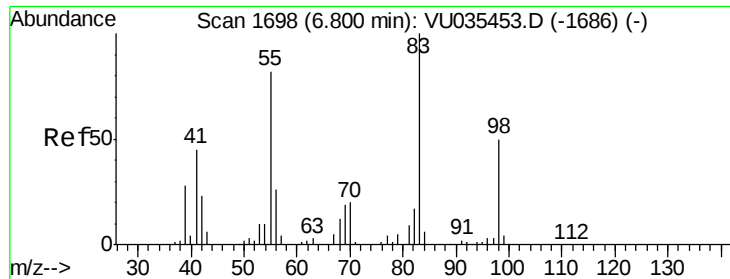
Tgt Ion: 83 Resp: 10325
Ion Ratio Lower Upper
83 100
85 58.7 45.1 83.9



#34
Trichloroethene
Concen: 4.388 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU035464.D
Acq: 24 Oct 2019 17:19

Tgt Ion: 95 Resp: 76747
Ion Ratio Lower Upper
95 100
97 62.4 46.6 86.6
132 94.3 68.7 127.7
130 97.8 73.9 137.3

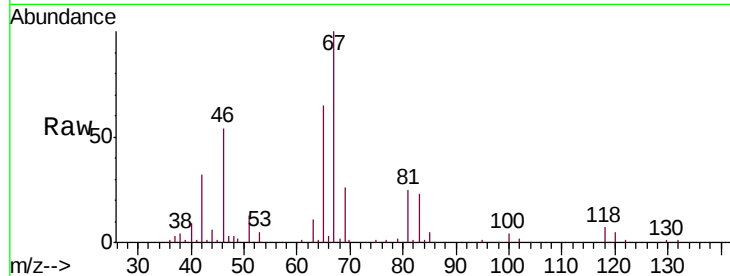




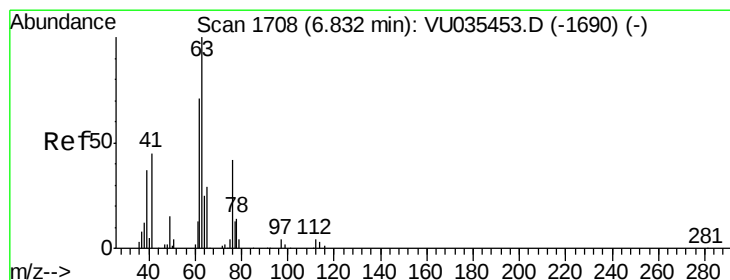
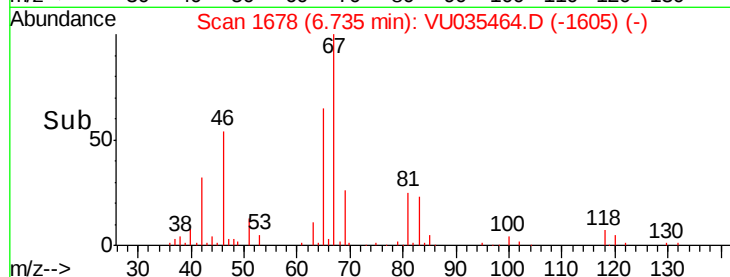
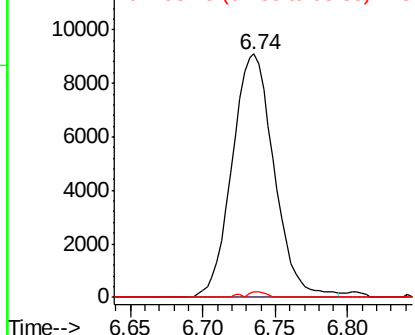
#35
Methylcyclohexane
Concen: 0.625 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035464.D
Acq: 24 Oct 2019 17:19

Instrument :
MSVOA_U
ClientSampleId :
H0G36DL

Tgt Ion: 83 Resp: 18260
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 0.9 39.5 59.3#

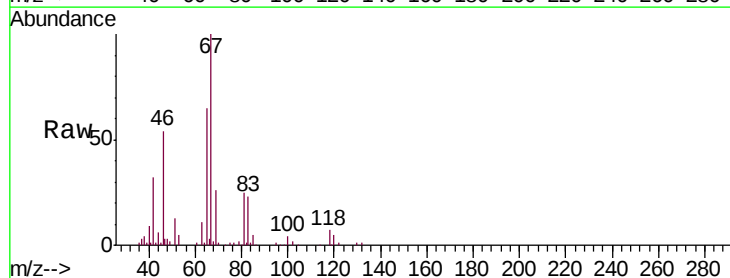


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

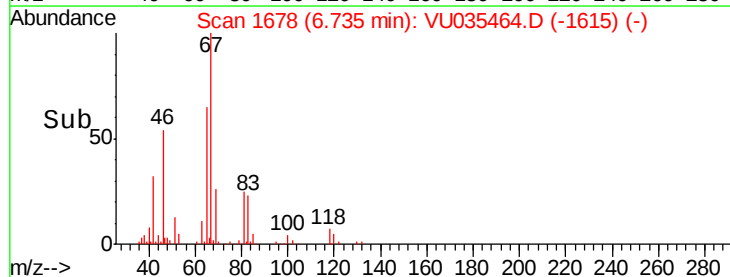
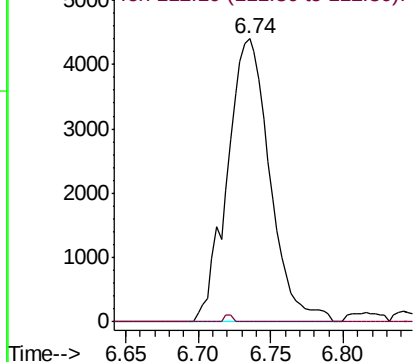


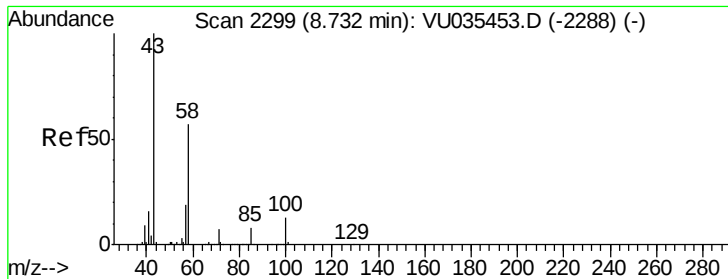
#37
1,2-Dichloropropane
Concen: 0.542 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035464.D
Acq: 24 Oct 2019 17:19

Tgt Ion: 63 Resp: 8959
Ion Ratio Lower Upper
63 100
112 0.4 3.7 5.5#



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

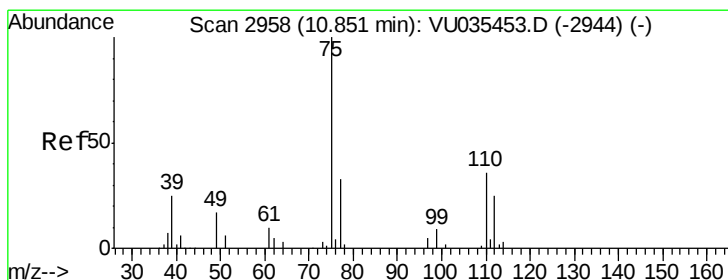
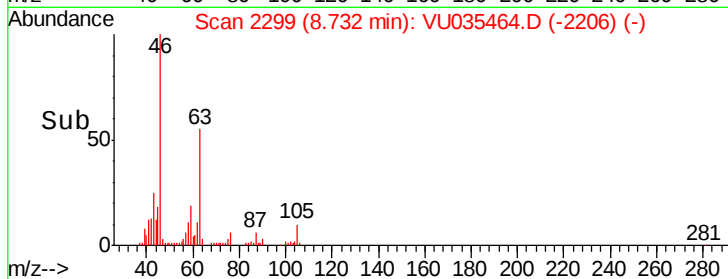
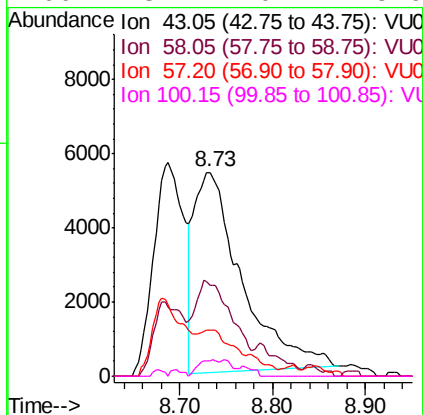
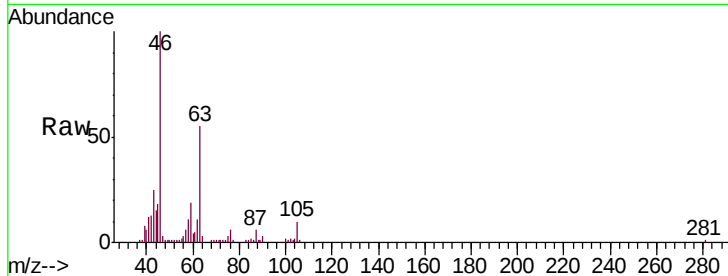




#48
 2-Hexanone
 Concen: 2.459 ug/L
 RT: 8.73 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VU035464.D
 Acq: 24 Oct 2019 17:19

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G36DL

Tgt Ion: 43 Resp: 19230
 Ion Ratio Lower Upper
 43 100
 58 37.0 45.1 67.7#
 57 0.0 16.0 24.0#
 100 3.4 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.768 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035464.D
 Acq: 24 Oct 2019 17:19

Tgt Ion: 75 Resp: 8841
 Ion Ratio Lower Upper
 75 100
 77 34.9 26.2 39.2

