

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112719\
 Data File : VU035901.D
 Acq On : 27 Nov 2019 17:47
 Operator : JC/SP
 Sample : K5992-06DL 200X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 28 05:02:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 28 04:57:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	228419	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	272012	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	80841	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	122399	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.93	69	120265	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.59	63	154478	2.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.60%#
20) 2-Butanone-d5	4.69	46	314954	45.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.22%
24) Chloroform-d	5.11	84	211467	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	5.75	65	124830	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
32) Benzene-d6	5.77	84	417039	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.40%
36) 1,2-Dichloropropane-d6	6.73	67	148951	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.20%
41) Toluene-d8	7.93	98	334531	3.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.80%#
43) trans-1,3-Dichloropropene-	8.21	79	49960	3.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.40%
46) 2-Hexanone-d5	8.68	63	223018	40.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.56%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	120031	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	86158	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

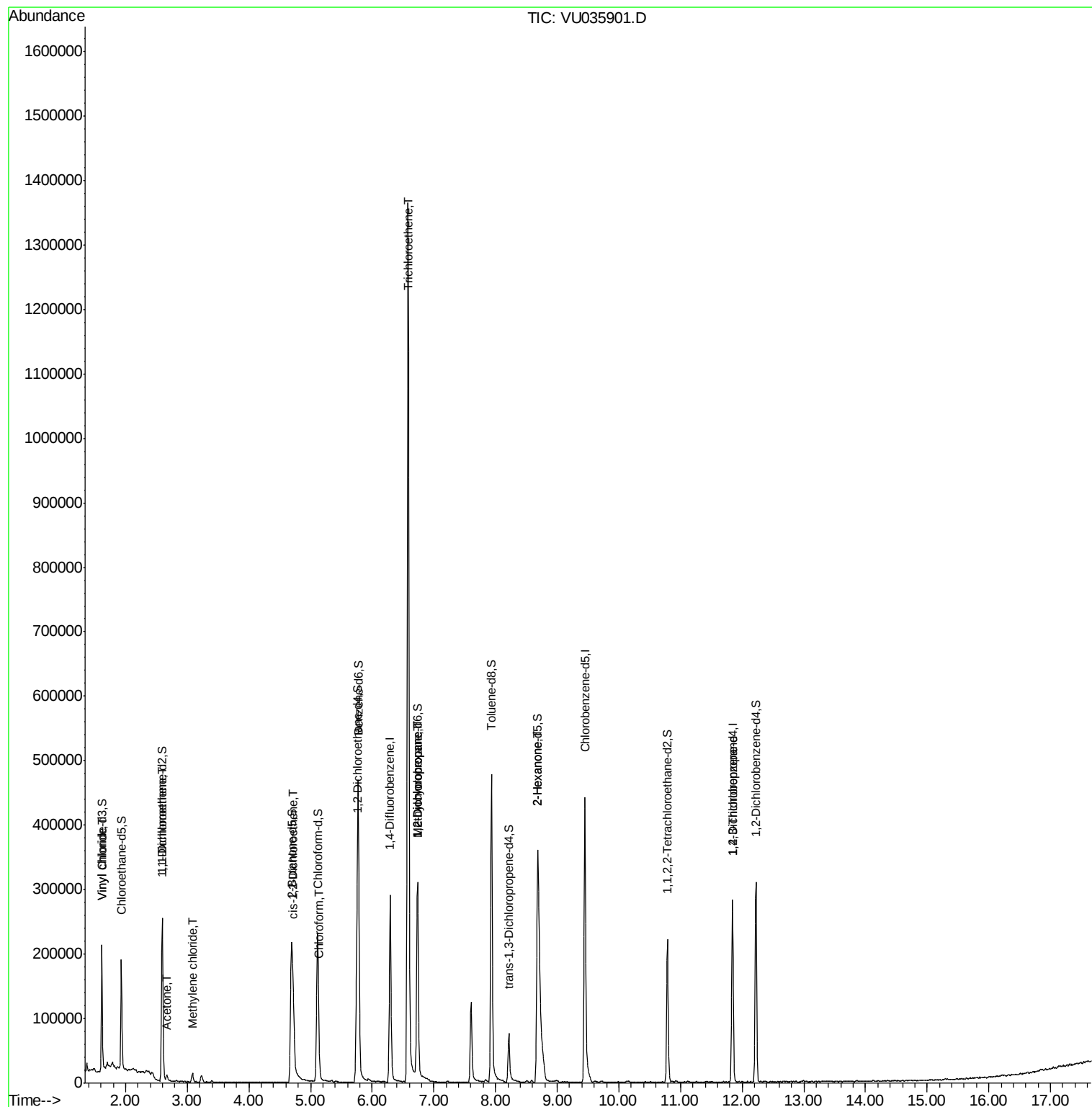
					Ovalue
5) Vinyl chloride	1.62	62	14146	0.371 ug/L #	54
12) 1,1-Dichloroethene	2.61	96	3201	0.135 ug/L #	1
13) Acetone	2.67	43	10539	1.738 ug/L	97
16) Methylene chloride	3.09	84	5582	0.194 ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	48932	1.876 ug/L	97
25) Chloroform	5.14	83	10806	0.211 ug/L	93
34) Trichloroethene	6.58	95	488226	17.538 ug/L	98
35) Methylcyclohexane	6.73	83	32261	0.790 ug/L #	14
37) 1,2-Dichloropropane	6.74	63	16550	0.514 ug/L #	90
48) 2-Hexanone	8.68	43	23216	1.595 ug/L #	74
59) 1,2,3-Trichloropropane	11.84	75	11599	0.554 ug/L	91

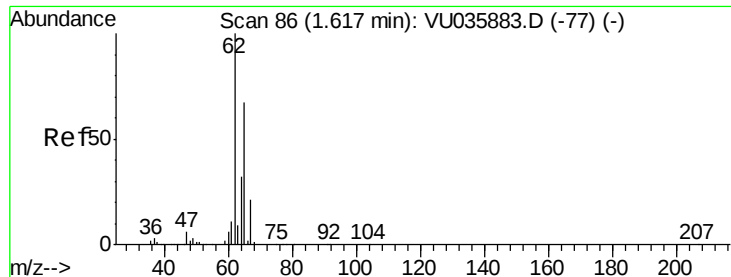
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 28 04:57:50 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.371 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035901.D

Acq: 27 Nov 2019 17:47

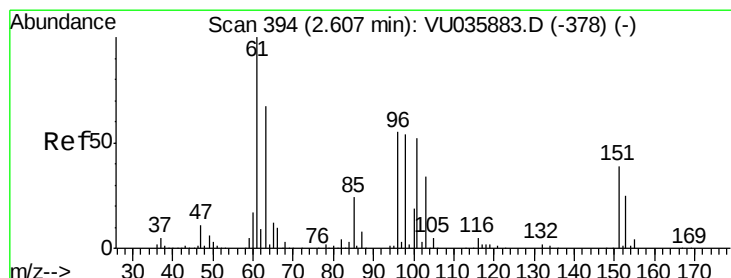
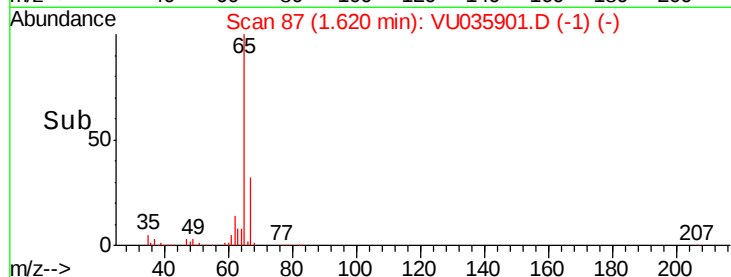
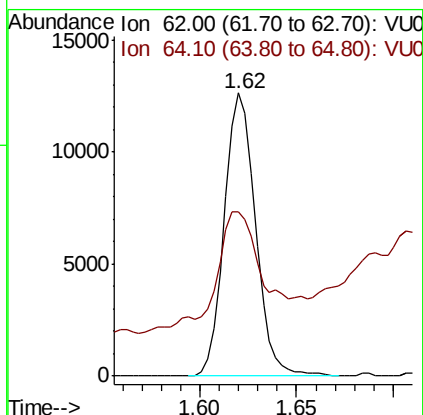
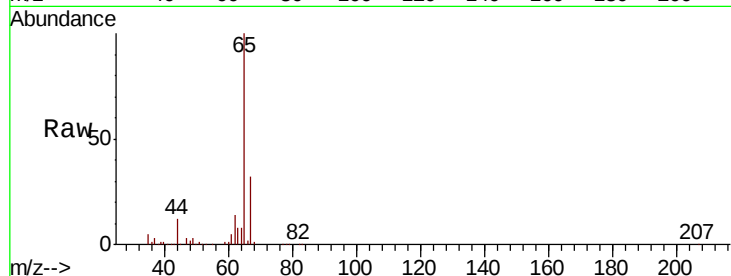
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 14146

Ion Ratio Lower Upper

62 100

64 58.1 22.5 41.9#



#12

1,1-Dichloroethene

Concen: 0.135 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035901.D

Acq: 27 Nov 2019 17:47

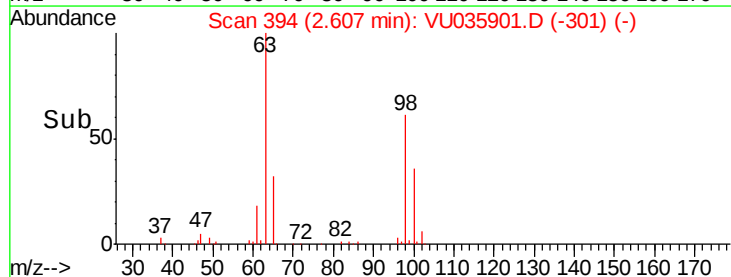
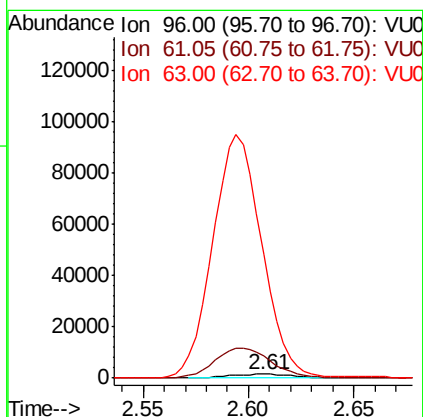
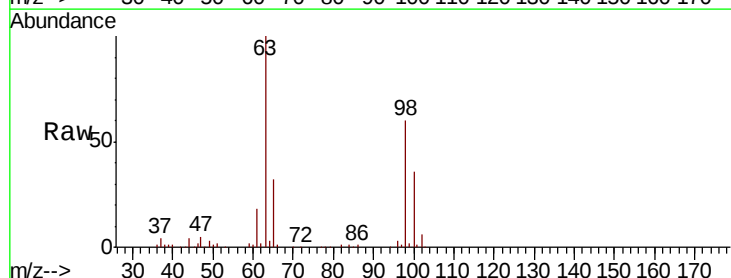
Tgt Ion: 96 Resp: 3201

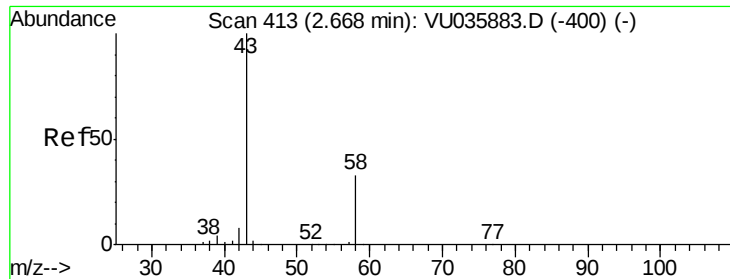
Ion Ratio Lower Upper

96 100

61 550.8 139.3 258.7#

63 3130.0 93.7 174.1#





#13

Acetone

Concen: 1.738 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU035901.D

Acq: 27 Nov 2019 17:47

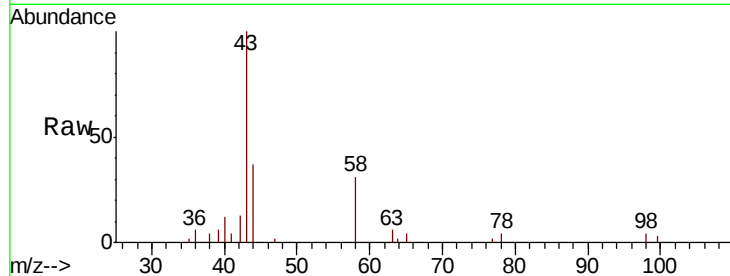
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 10539

Ion Ratio Lower Upper

43 100

58 28.8 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035883.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035883.D (-400) (-)

2.67

6000

5000

4000

3000

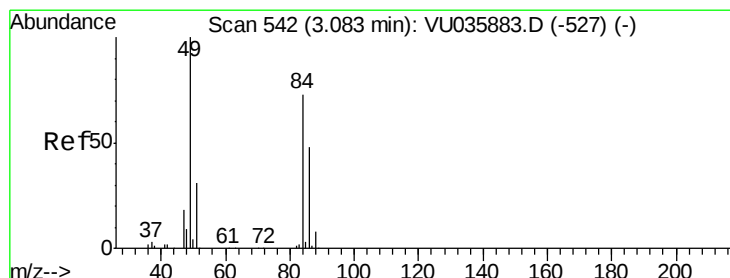
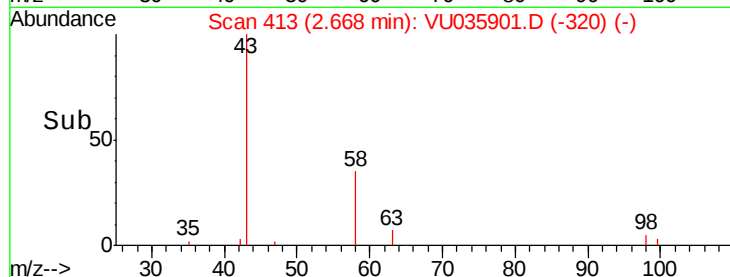
2000

1000

0

Time-->

2.60 2.65 2.70 2.75



#16

Methylene chloride

Concen: 0.194 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: VU035901.D

Acq: 27 Nov 2019 17:47

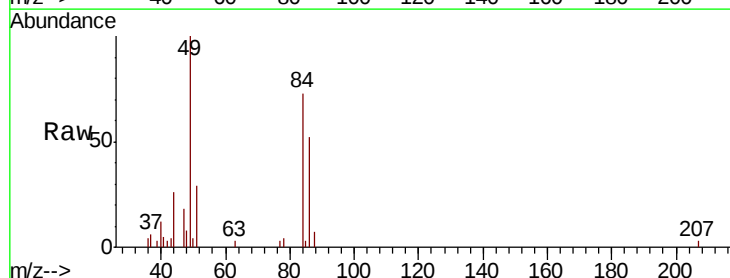
Tgt Ion: 84 Resp: 5582

Ion Ratio Lower Upper

84 100

86 71.9 44.4 82.5

49 137.6 94.0 174.6



Abundance Ion 84.05 (83.75 to 84.75): VU035883.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU035883.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU035883.D (-527) (-)

3.09

5000

4000

3000

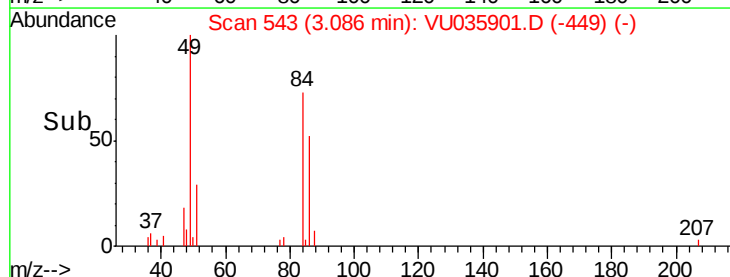
2000

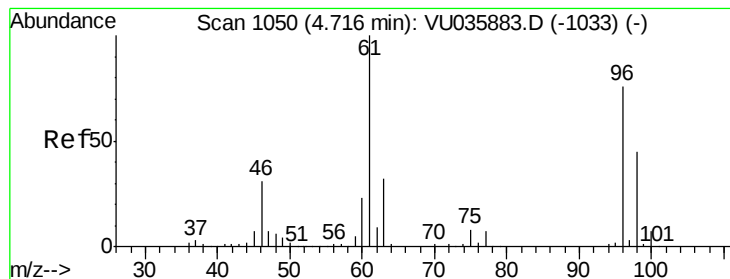
1000

0

Time-->

3.05 3.10 3.15





#22

cis-1,2-Dichloroethene

Concen: 1.876 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035901.D

Acq: 27 Nov 2019 17:47

Instrument :
MSVOA_U
ClientSampleId :

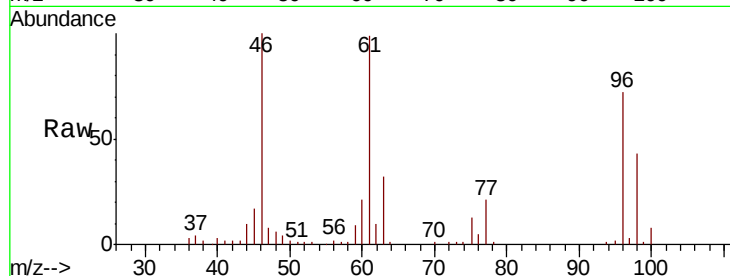
Tot Ion: 96 Resp: 48932

Ion Ratio Lower Upper

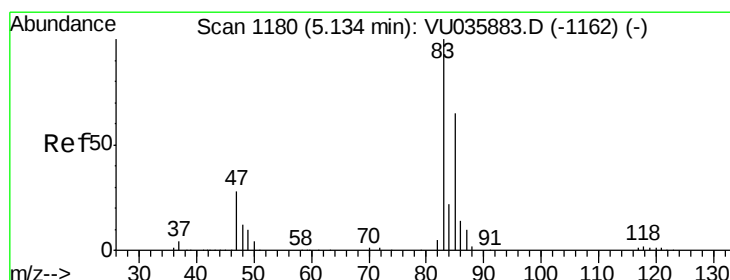
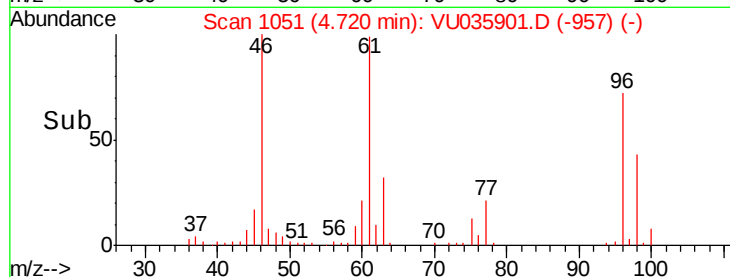
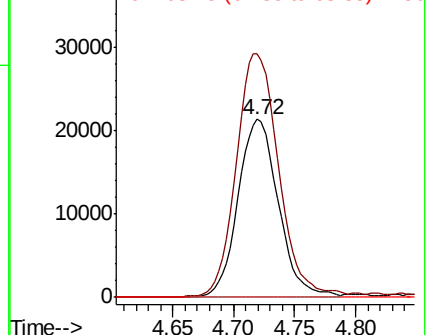
96 100

61 136.3 98.1 182.1

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: 0.211 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VU035901.D

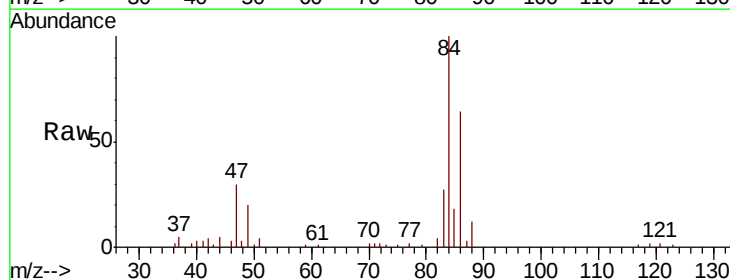
Acq: 27 Nov 2019 17:47

Tgt Ion: 83 Resp: 10806

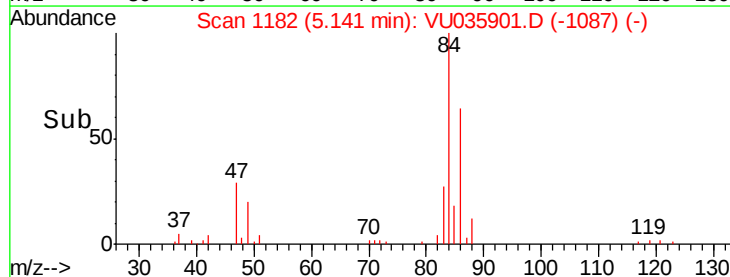
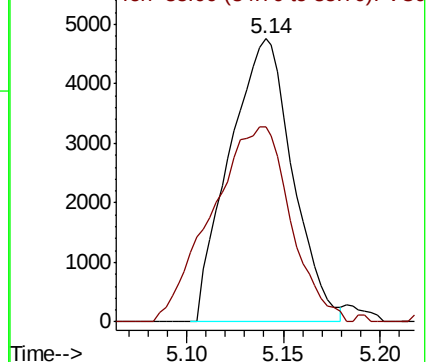
Ion Ratio Lower Upper

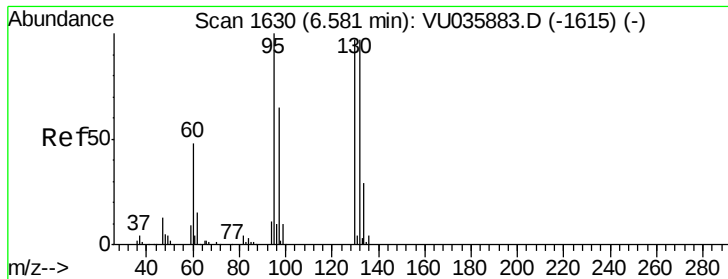
83 100

85 68.9 44.6 82.8



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





#34

Trichloroethene

Concen: 17.538 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035901.D

Acq: 27 Nov 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 488226

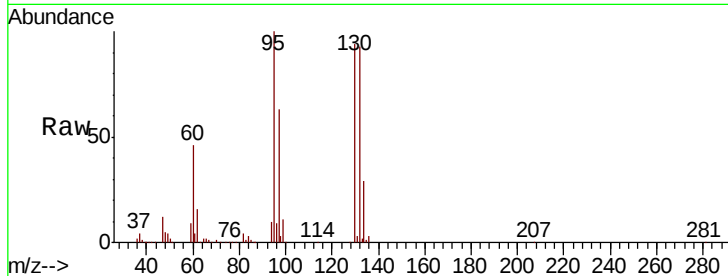
Ion Ratio Lower Upper

95 100

97 63.2 45.1 83.9

132 92.5 61.9 114.9

130 94.4 66.3 123.1



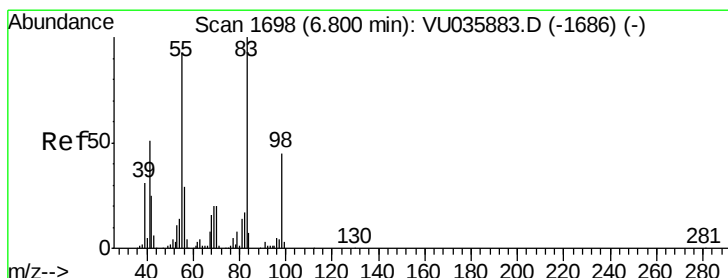
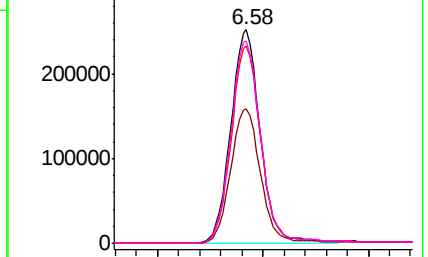
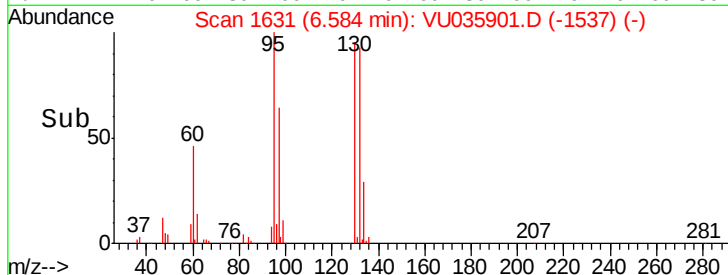
Abundance Ion 95.00 (94.70 to 95.70): VU035883.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035883.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU035883.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035883.D (-1615) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.790 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035901.D

Acq: 27 Nov 2019 17:47

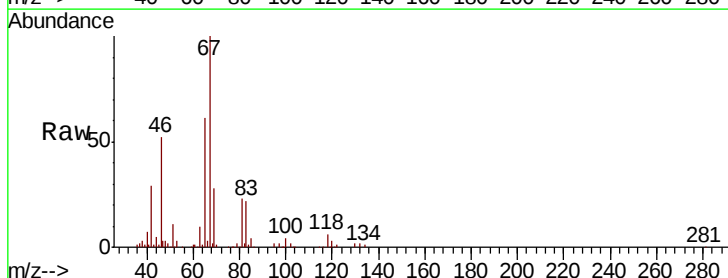
Tgt Ion: 83 Resp: 32261

Ion Ratio Lower Upper

83 100

55 0.8 72.7 109.1#

98 0.0 36.2 54.4#

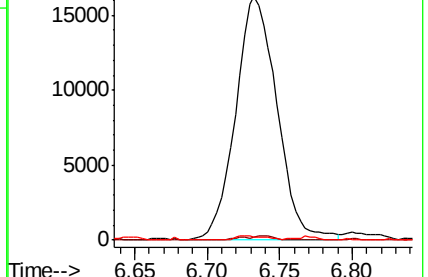
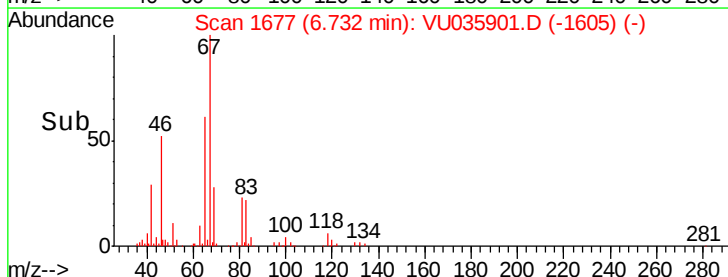


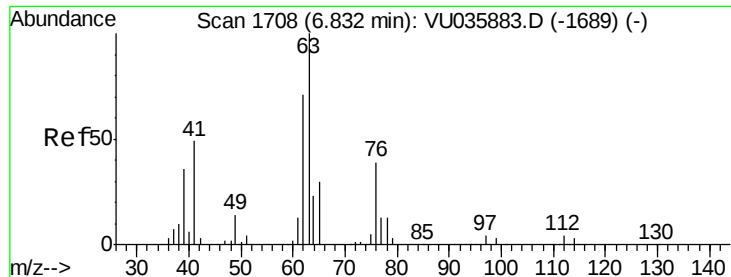
Abundance Ion 83.15 (82.85 to 83.85): VU035883.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU035883.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU035883.D (-1686) (-)

Time-->

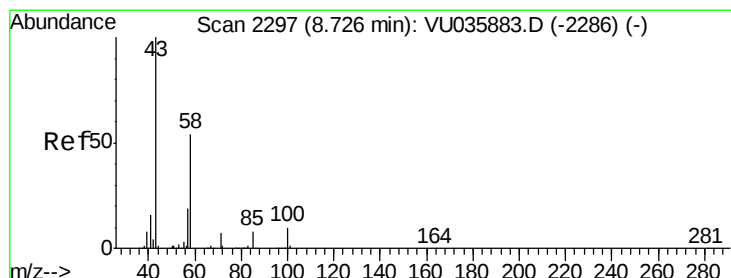
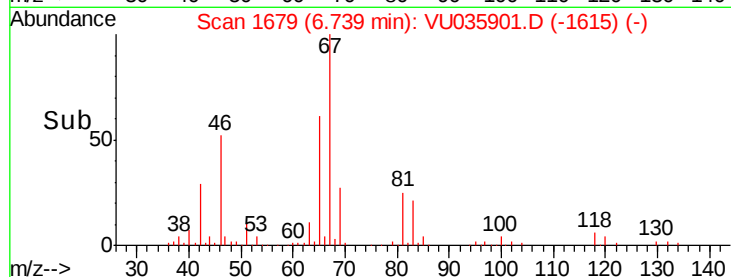
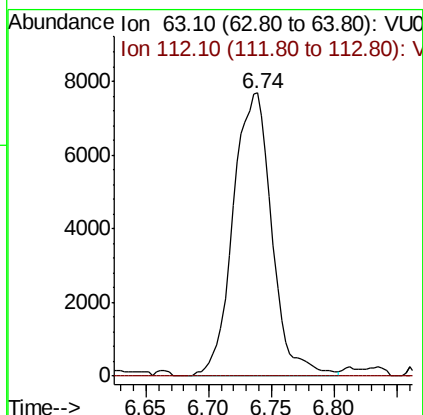
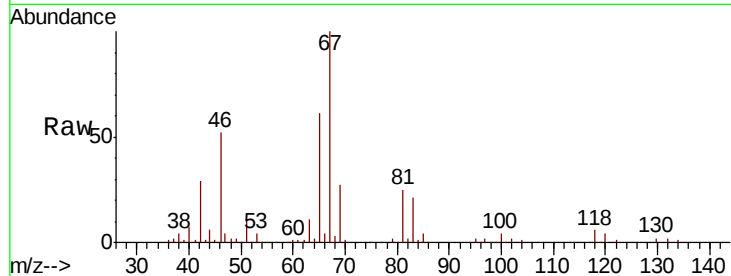




#37
 1,2-Dichloropropane
 Concen: 0.514 ug/L
 RT: 6.74 min Scan# 1679
 Delta R.T. -0.09 min
 Lab File: VU035901.D
 Acq: 27 Nov 2019 17:47

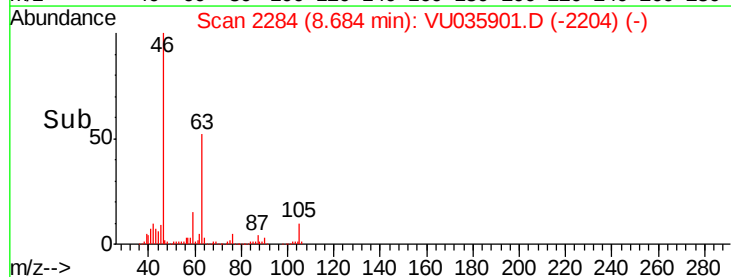
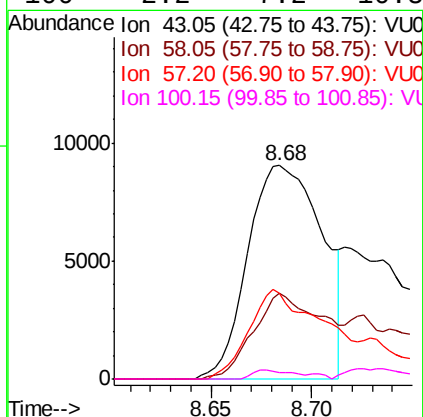
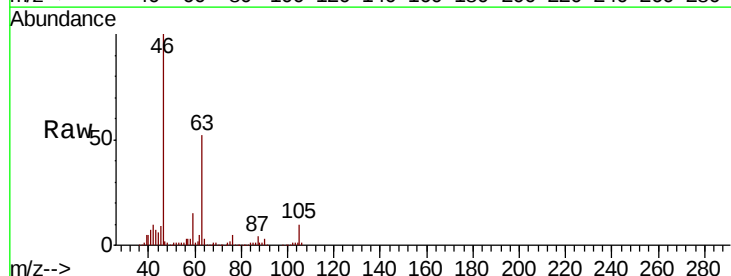
Instrument :
 MSVOA_U
 ClientSampleId :

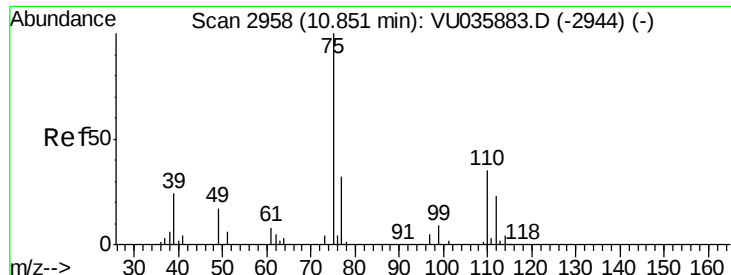
Tot Ion: 63 Resp: 16550
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#48
 2-Hexanone
 Concen: 1.595 ug/L
 RT: 8.68 min Scan# 2284
 Delta R.T. -0.04 min
 Lab File: VU035901.D
 Acq: 27 Nov 2019 17:47

Tgt Ion: 43 Resp: 23216
 Ion Ratio Lower Upper
 43 100
 58 38.8 39.8 59.8#
 57 42.3 14.0 21.0#
 100 2.2 7.2 10.8#





#59

1,2,3-Trichloropropane

Concen: 0.554 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035901.D

Acq: 27 Nov 2019 17:47

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 11599

Ion Ratio Lower Upper

75 100

77 36.7 25.4 38.2

