

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112119\
 Data File : VU035803.D
 Acq On : 21 Nov 2019 15:11
 Operator : JC/SP
 Sample : K5930-05 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 B0AA5

Quant Time: Nov 22 02:54:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 22 01:33:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	242611	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	279537	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	88732	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	158119	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.93	69	140737	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.59	63	228932	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	4.70	46	384035	52.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.72%
24) Chloroform-d	5.11	84	257860	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.75	65	153603	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.77	84	517214	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.74	67	182937	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.93	98	429514	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	8.22	79	61481	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.70	63	239792	42.66	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.32%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	139232	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	106243	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

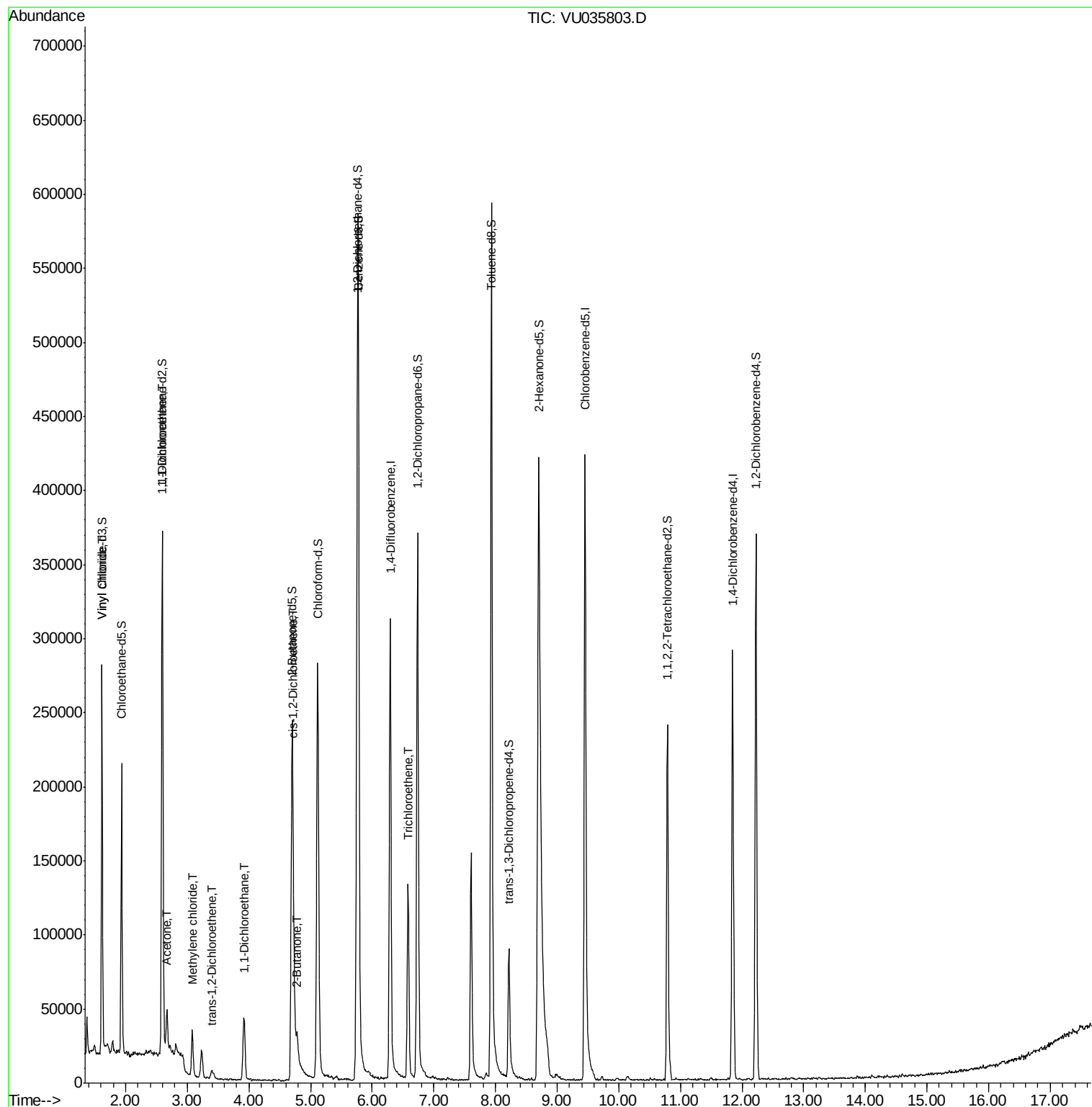
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	30157	0.744	ug/L #	73
12) 1,1-Dichloroethene	2.61	96	8284	0.328	ug/L #	1
13) Acetone	2.67	43	33712	5.233	ug/L	95
16) Methylene chloride	3.08	84	14376	0.471	ug/L	98
18) trans-1,2-Dichloroethene	3.40	96	2299	0.092	ug/L	74
19) 1,1-Dichloroethane	3.92	63	50312	0.901	ug/L	97
21) 2-Butanone	4.78	43	24225	2.972	ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	15479	0.559	ug/L	99
34) Trichloroethene	6.58	95	46934	1.641	ug/L	97

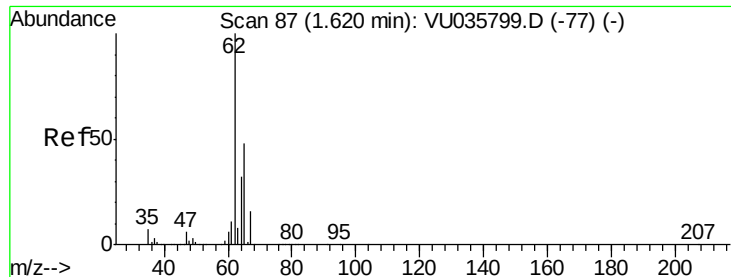
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.744 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035803.D

Acq: 21 Nov 2019 15:11

Instrument :

MSVOA_U

ClientSampleId :

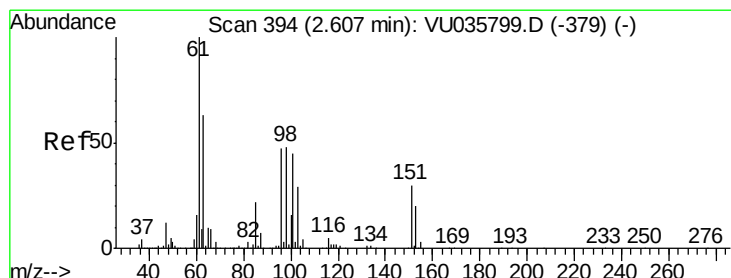
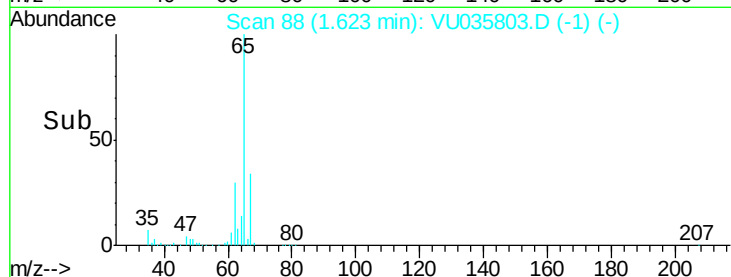
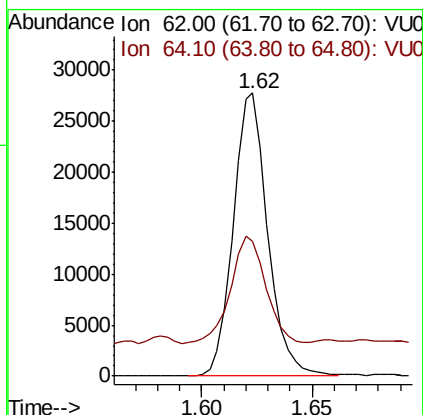
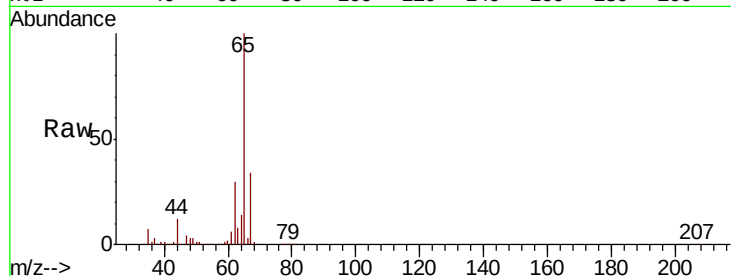
B0AA5

Tot Ion: 62 Resp: 30157

Ion Ratio Lower Upper

62 100

64 47.6 22.5 41.9#



#12

1,1-Dichloroethene

Concen: 0.328 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035803.D

Acq: 21 Nov 2019 15:11

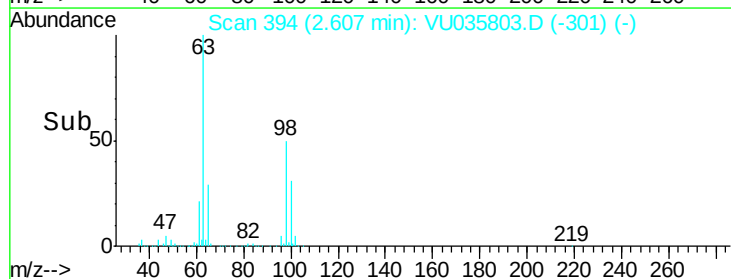
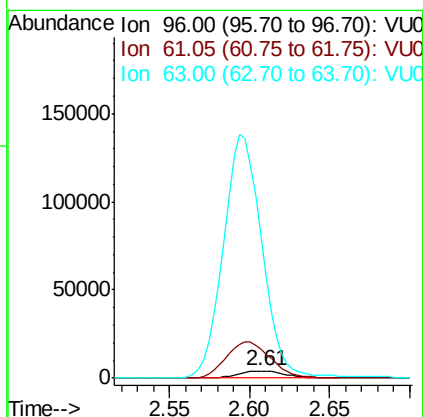
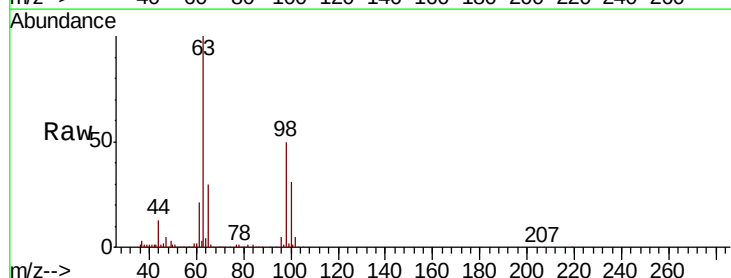
Tgt Ion: 96 Resp: 8284

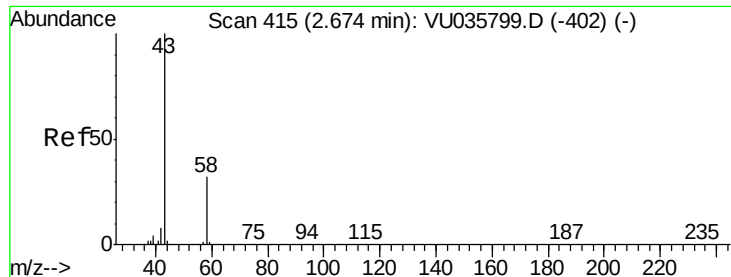
Ion Ratio Lower Upper

96 100

61 390.8 139.3 258.7#

63 1899.3 93.7 174.1#





#13

Acetone

Concen: 5.233 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035803.D

Acq: 21 Nov 2019 15:11

Instrument :

MSVOA_U

ClientSampled :

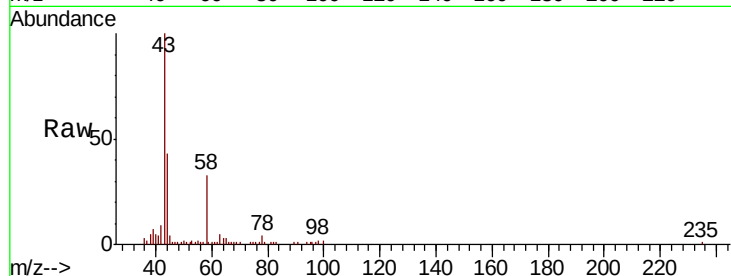
B0AA5

Tot Ion: 43 Resp: 33712

Ion Ratio Lower Upper

43 100

58 33.5 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035799.D (-402) (-)

2.67

20000

15000

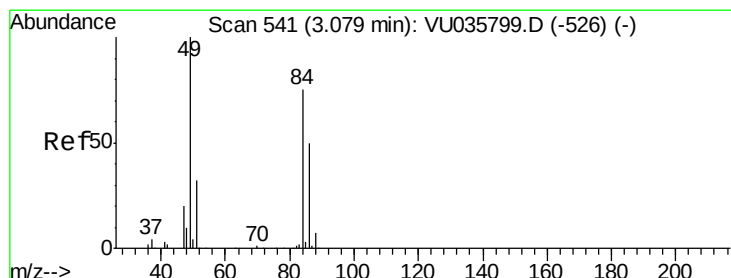
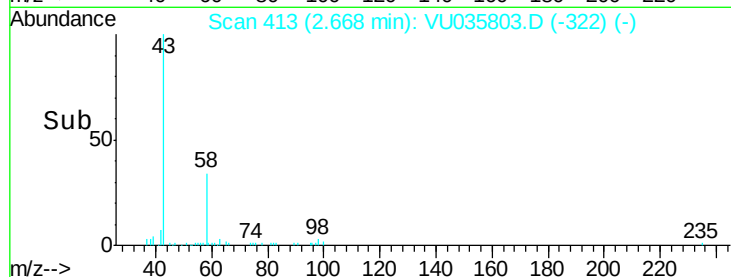
10000

5000

0

2.60 2.65 2.70 2.75

Time-->



#16

Methylene chloride

Concen: 0.471 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035803.D

Acq: 21 Nov 2019 15:11

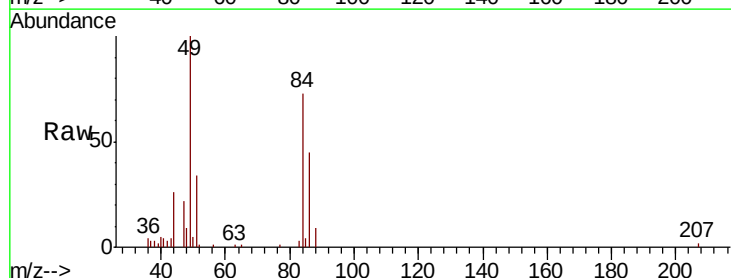
Tgt Ion: 84 Resp: 14376

Ion Ratio Lower Upper

84 100

86 62.4 44.4 82.5

49 137.6 94.0 174.6



Abundance Ion 84.05 (83.75 to 84.75): VU035799.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035799.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035799.D (-526) (-)

3.08

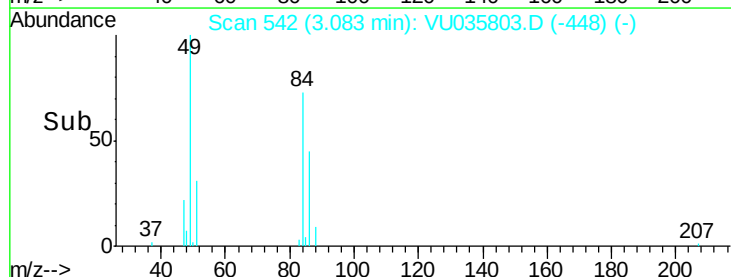
10000

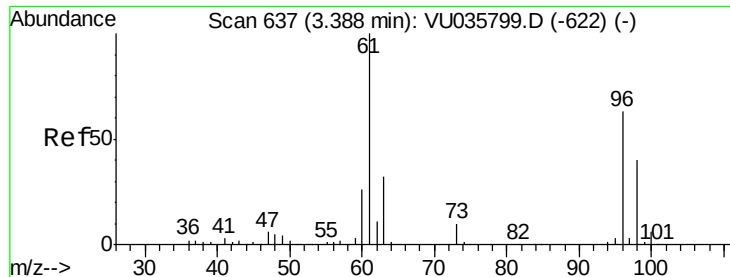
5000

0

3.00 3.05 3.10 3.15

Time-->

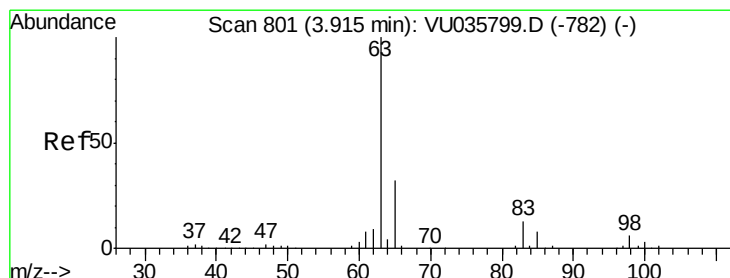
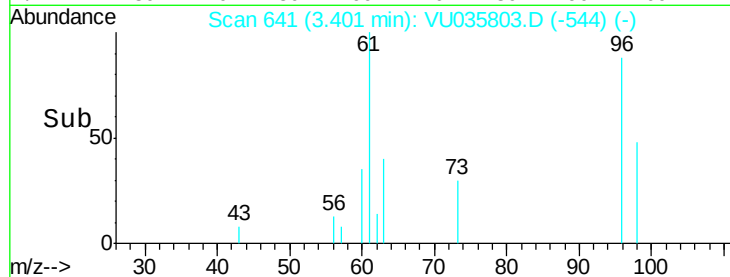
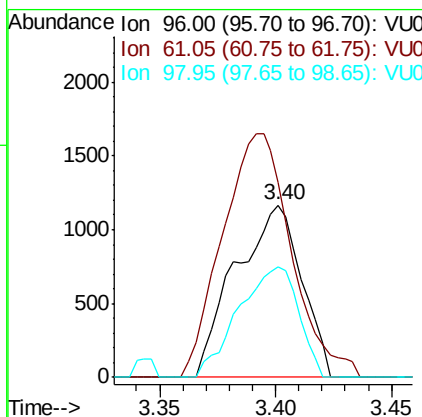
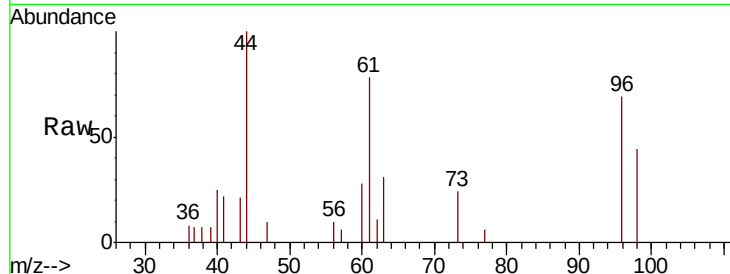




#18
 trans-1,2-Dichloroethene
 Concen: 0.092 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. 0.01 min
 Lab File: VU035803.D
 Acq: 21 Nov 2019 15:11

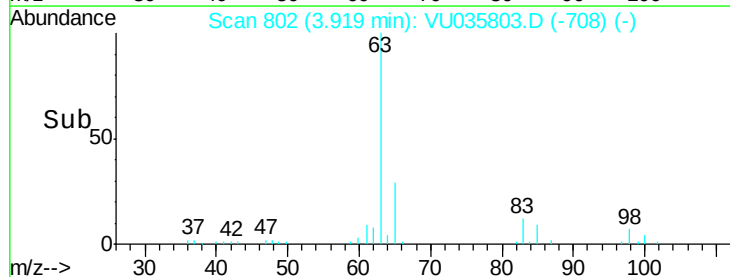
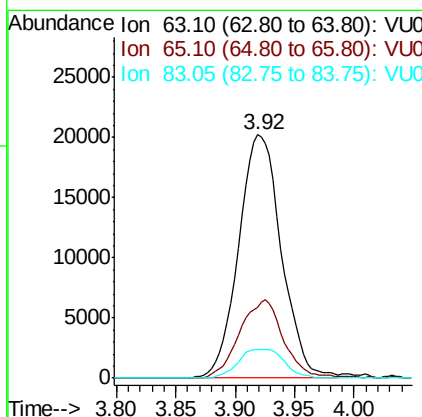
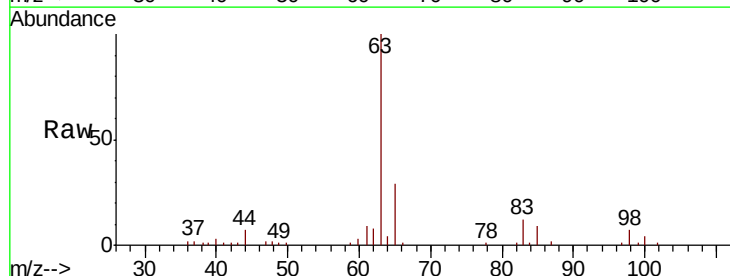
Instrument :
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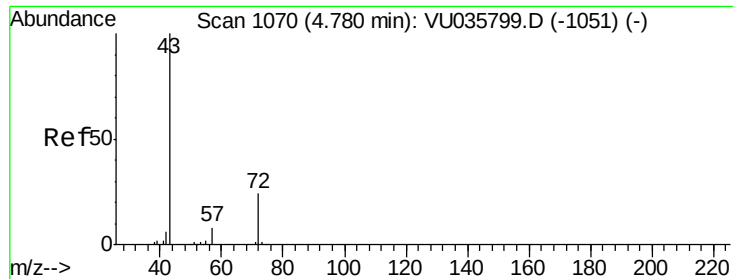
Tot Ion: 96 Resp: 2299
 Ion Ratio Lower Upper
 96 100
 61 113.6 111.1 206.3
 98 64.2 43.1 80.1



#19
 1,1-Dichloroethane
 Concen: 0.901 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035803.D
 Acq: 21 Nov 2019 15:11

Tgt Ion: 63 Resp: 50312
 Ion Ratio Lower Upper
 63 100
 65 29.3 21.8 40.4
 83 11.6 8.6 16.0

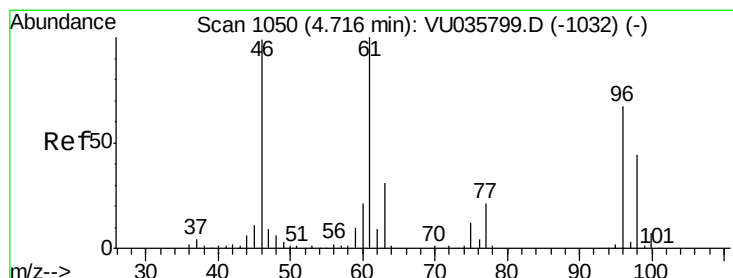
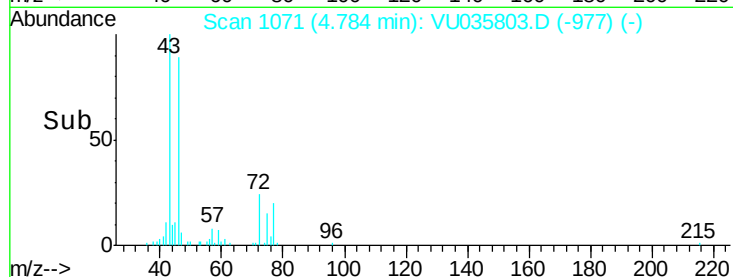
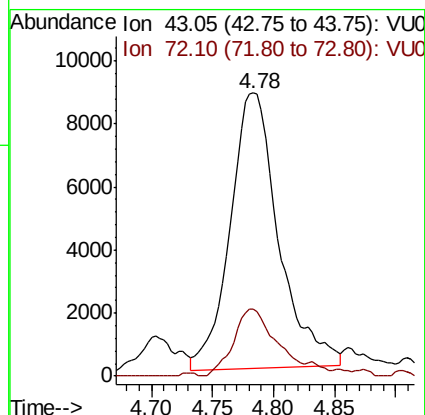
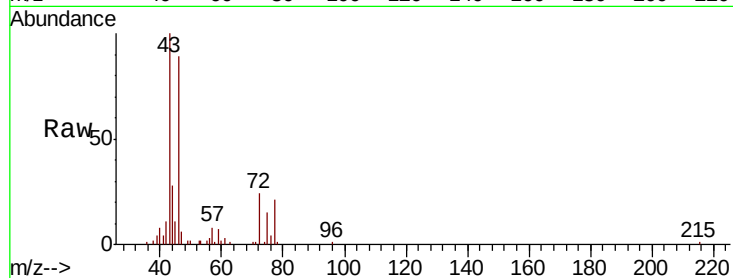




#21
2-Butanone
Concen: 2.972 ug/L
RT: 4.78 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VU035803.D
Acq: 21 Nov 2019 15:11

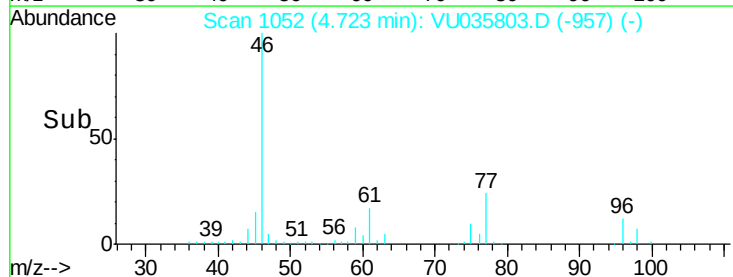
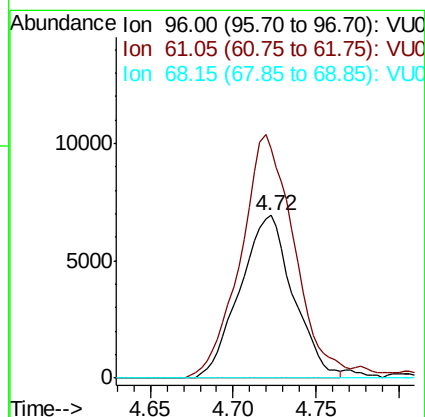
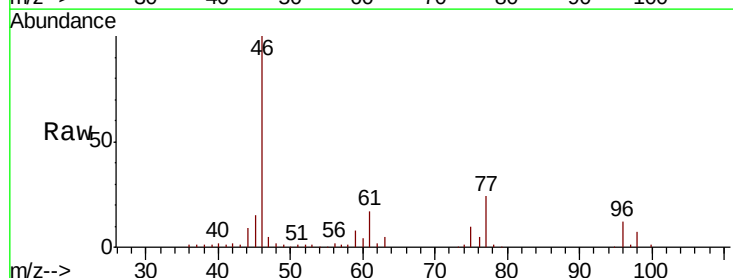
Instrument :
MSVOA_U
ClientSampleId :
B0AA5

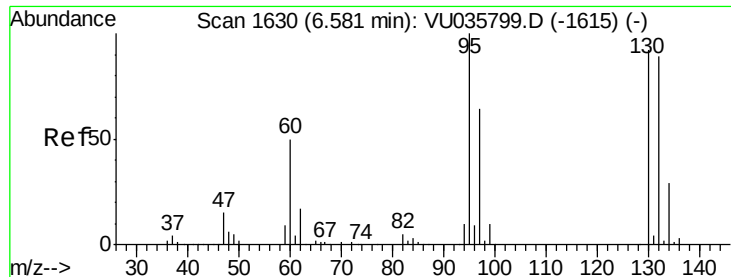
Tot Ion: 43 Resp: 24225
Ion Ratio Lower Upper
43 100
72 21.3 12.4 37.4



#22
cis-1,2-Dichloroethene
Concen: 0.559 ug/L
RT: 4.72 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VU035803.D
Acq: 21 Nov 2019 15:11

Tgt Ion: 96 Resp: 15479
Ion Ratio Lower Upper
96 100
61 140.8 98.1 182.1
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 1.641 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035803.D

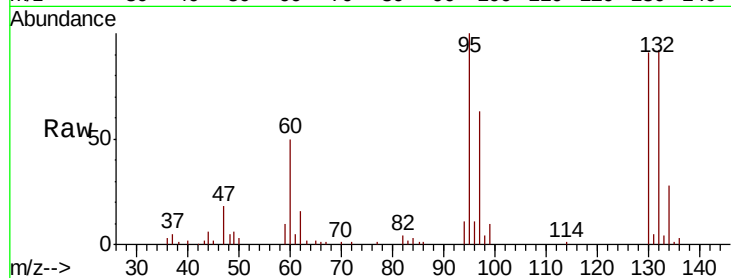
Acq: 21 Nov 2019 15:11

Instrument :

MSVOA_U

ClientSampleId :

B0AA5



Tot Ion: 95 Resp: 46934

Ion Ratio Lower Upper

95 100

97 62.9 45.1 83.9

132 91.8 61.9 114.9

130 91.2 66.3 123.1

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

