

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035407.D
 Acq On : 23 Oct 2019 13:43
 Operator : JC/SP
 Sample : K5461-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G20

Quant Time: Oct 23 18:20:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 17:16:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	230088	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	233189	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	78978	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	65123	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.94	69	66301	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.59	63	90719	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	4.71	46	230002	57.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.10%
24) Chloroform-d	5.11	84	141186	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.20%
26) 1,2-Dichloroethane-d4	5.75	65	82089	5.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.60%
32) Benzene-d6	5.77	84	269505	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.74	67	95797	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.20%
41) Toluene-d8	7.93	98	223501	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.22	79	33146	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.69	63	169213	46.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.38%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	82455	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	75413	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

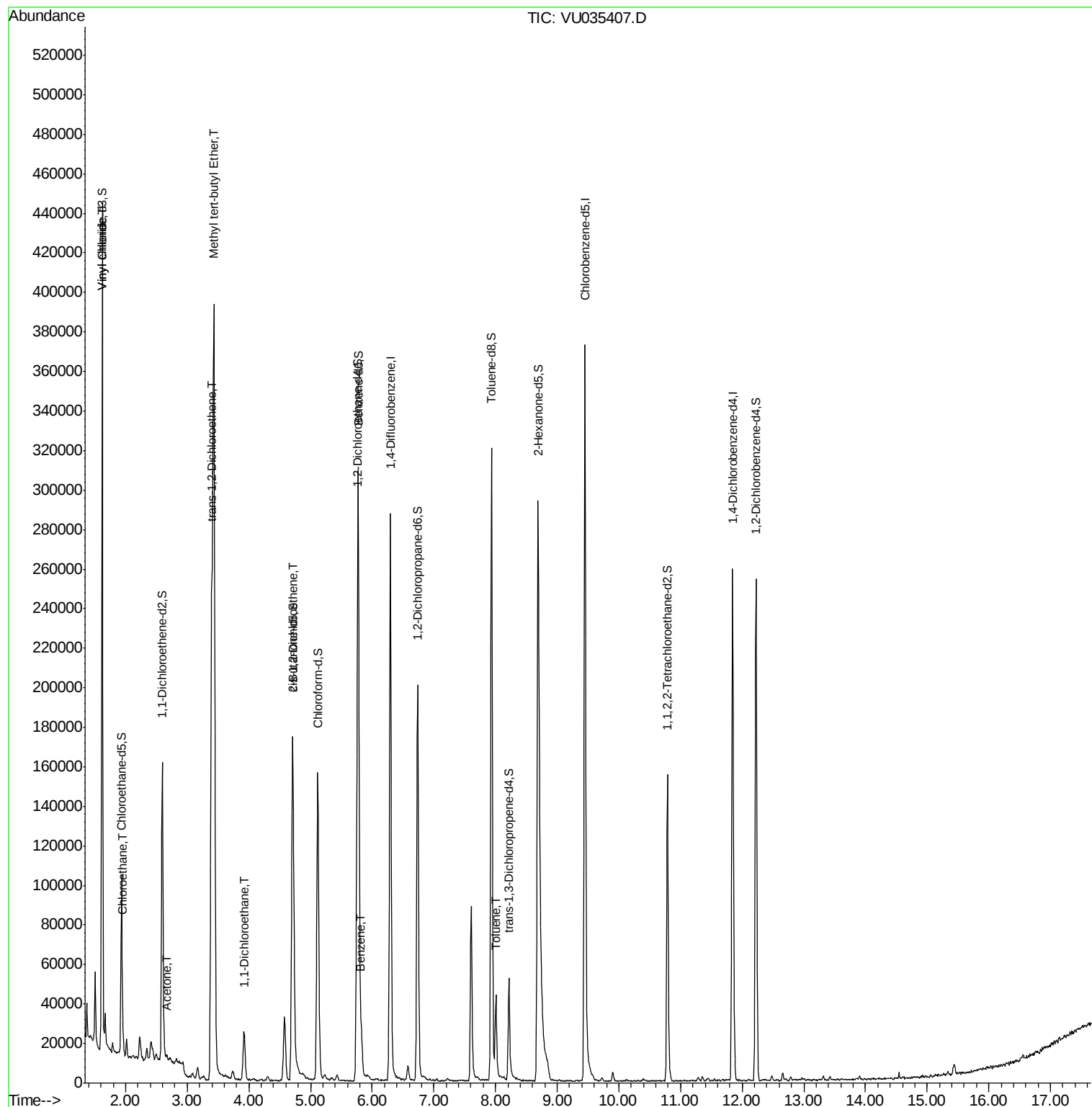
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	216894	10.872	ug/L	99
8) Chloroethane	1.95	64	5400	0.420	ug/L	91
13) Acetone	2.67	43	3078	1.098	ug/L	64
17) Methyl tert-butyl Ether	3.43	73	417892	10.504	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	95280	5.973	ug/L	96
19) 1,1-Dichloroethane	3.92	63	28825	0.999	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	21956	1.245	ug/L	99
33) Benzene	5.82	78	22967	0.335	ug/L	100
42) Toluene	8.01	91	29589	0.391	ug/L	90

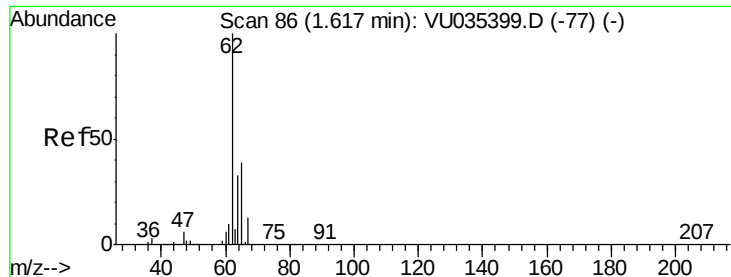
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 17:16:19 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 10.872 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

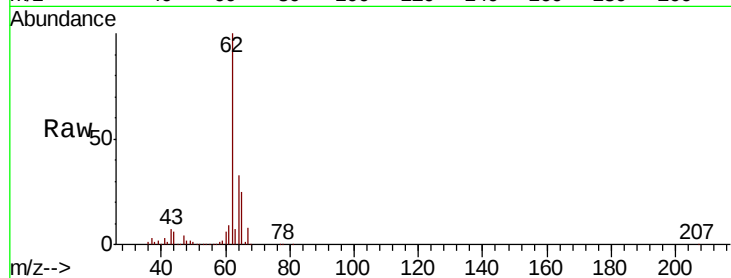
H0G20

Tot Ion: 62 Resp: 216894

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035399.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035399.D (-77) (-)

1.62

200000

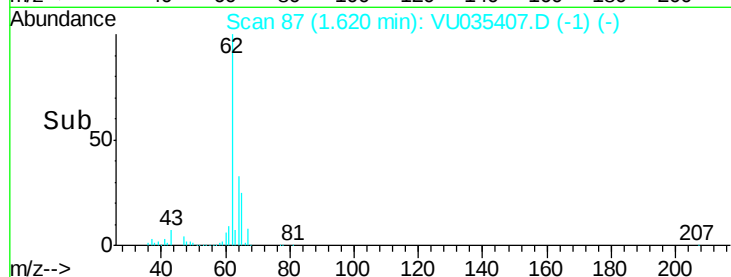
150000

100000

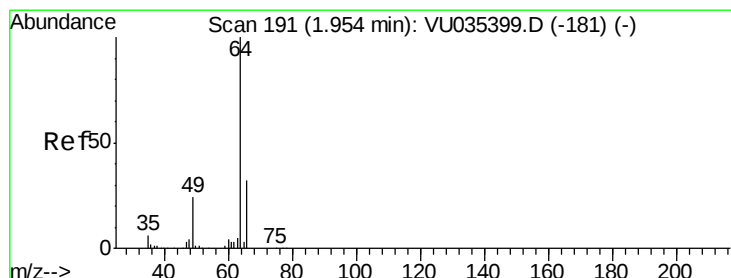
50000

0

Time-->



Time-->



#8

Chloroethane

Concen: 0.420 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035407.D

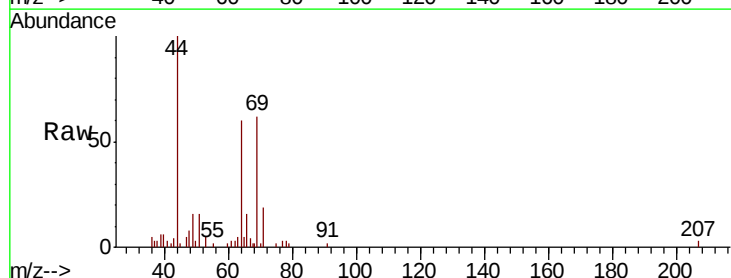
Acq: 23 Oct 2019 13:43

Tgt Ion: 64 Resp: 5400

Ion Ratio Lower Upper

64 100

66 27.1 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU035399.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU035399.D (-181) (-)

1.95

5000

4000

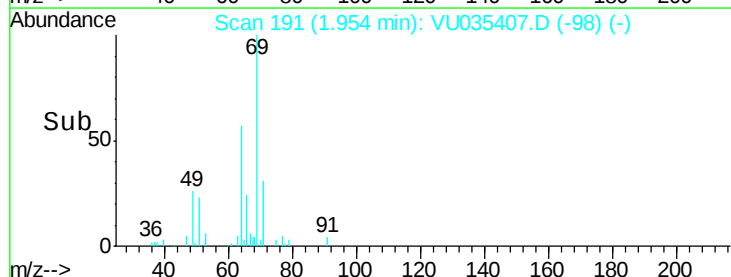
3000

2000

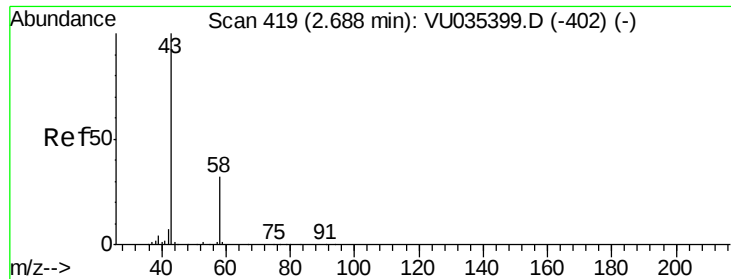
1000

0

Time-->



Time-->



#13

Acetone

Concen: 1.098 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

Instrument :

MSVOA_U

ClientSampled :

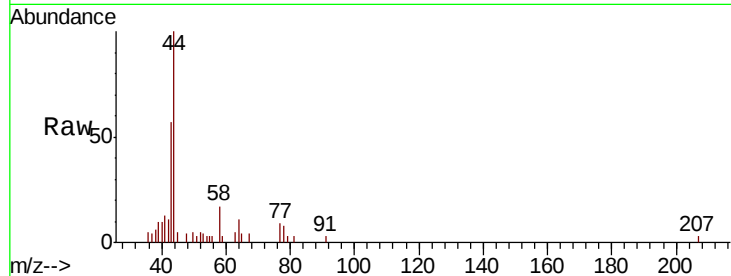
H0G20

Tot Ion: 43 Resp: 3078

Ion Ratio Lower Upper

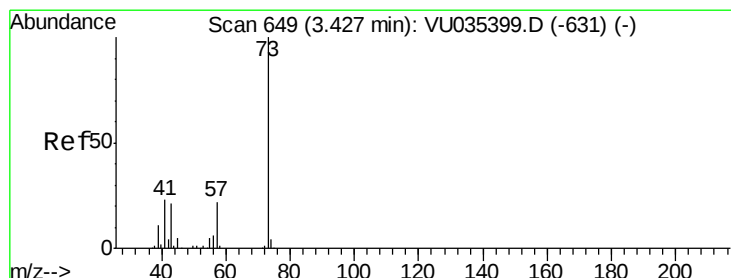
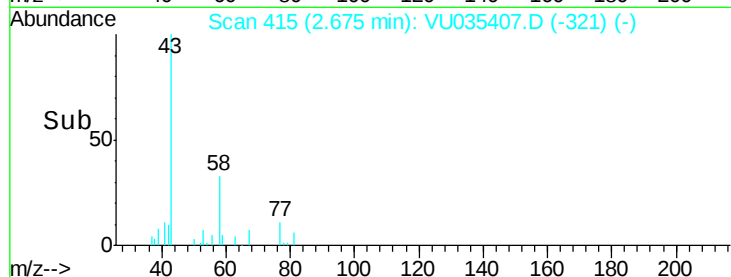
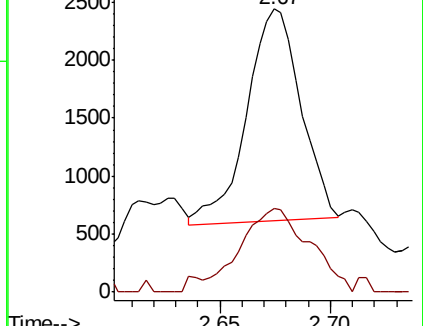
43 100

58 50.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035399.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035399.D (-402) (-)



#17

Methyl tert-butyl Ether

Concen: 10.504 ug/L

RT: 3.43 min Scan# 650

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

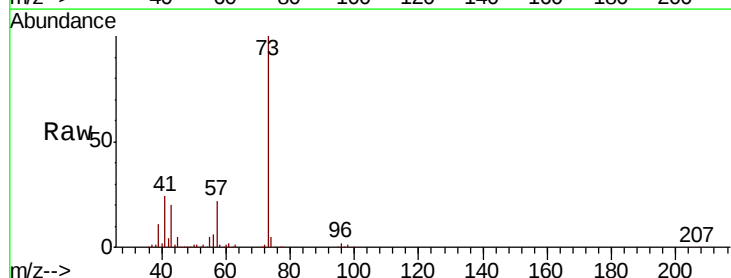
Tgt Ion: 73 Resp: 417892

Ion Ratio Lower Upper

73 100

43 20.4 16.0 24.0

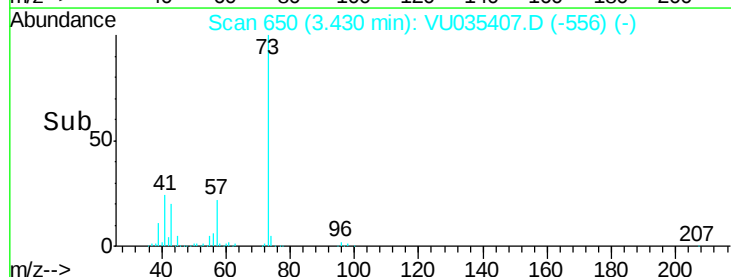
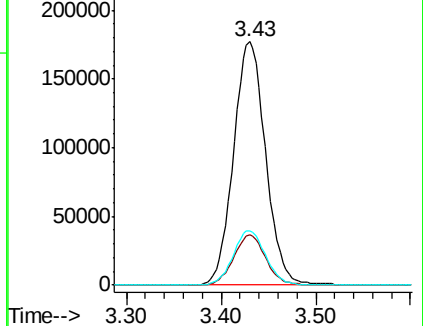
57 22.6 17.4 26.2

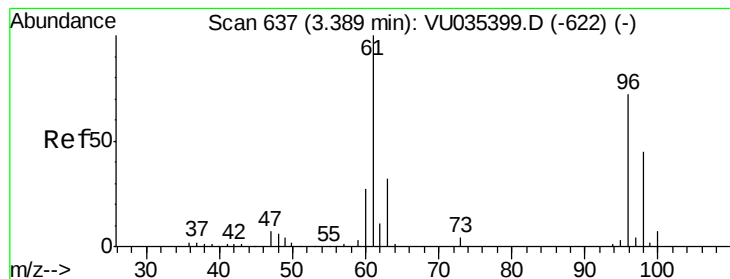


Abundance Ion 73.10 (72.80 to 73.80): VU035399.D (-631) (-)

Ion 43.05 (42.75 to 43.75): VU035399.D (-631) (-)

Ion 57.10 (56.80 to 57.80): VU035399.D (-631) (-)





#18

trans-1,2-Dichloroethene

Concen: 5.973 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

H0G20

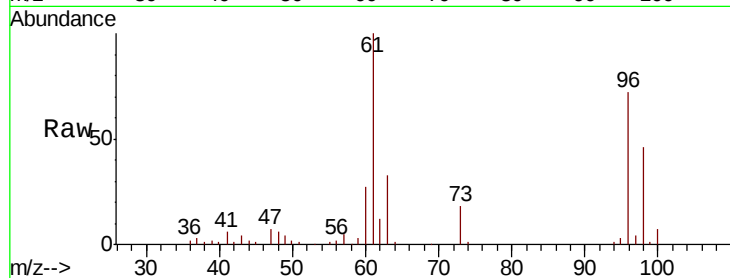
Tot Ion: 96 Resp: 95280

Ion Ratio Lower Upper

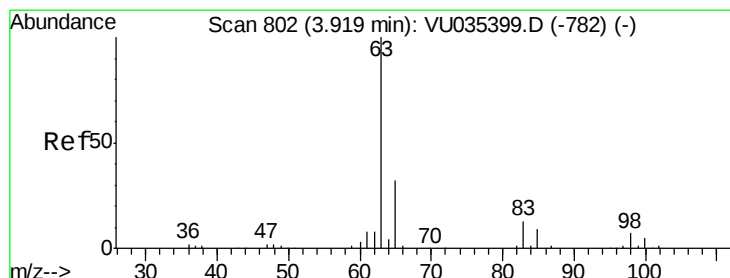
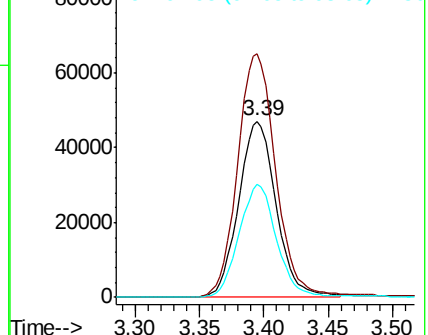
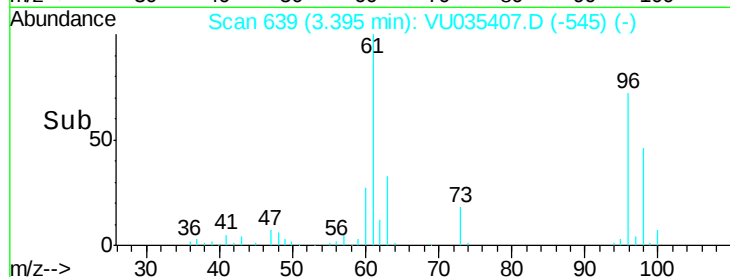
96 100

61 138.1 93.0 172.6

98 64.1 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035407.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 0.999 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

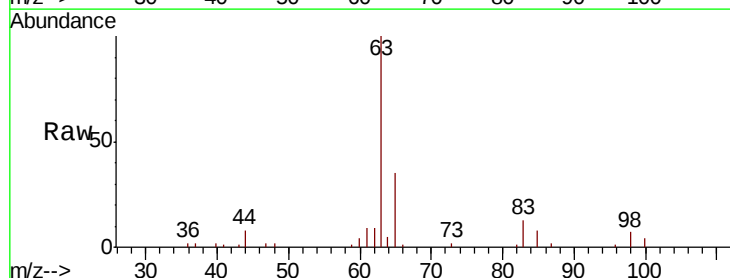
Tgt Ion: 63 Resp: 28825

Ion Ratio Lower Upper

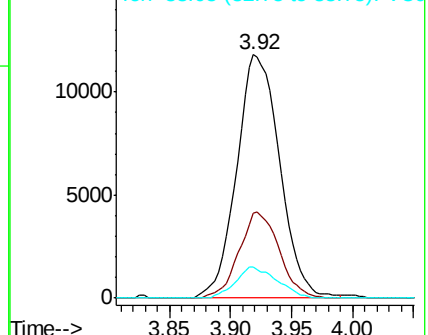
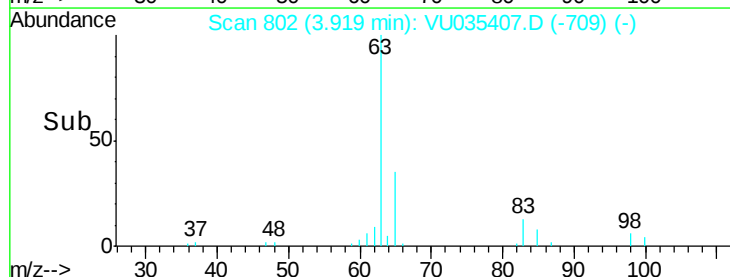
63 100

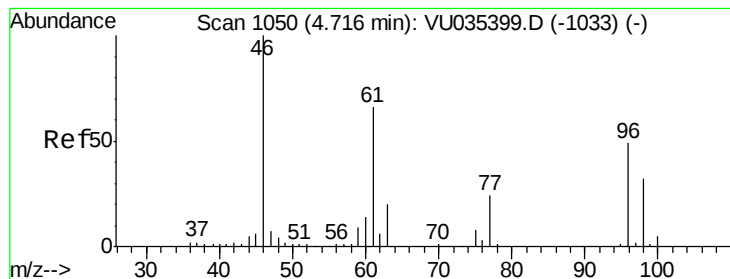
65 34.6 22.4 41.6

83 12.8 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035407.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.245 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

H0G20

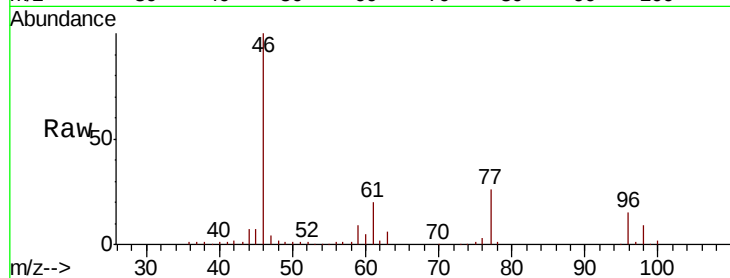
Tot Ion: 96 Resp: 21956

Ion Ratio Lower Upper

96 100

61 127.2 89.7 166.5

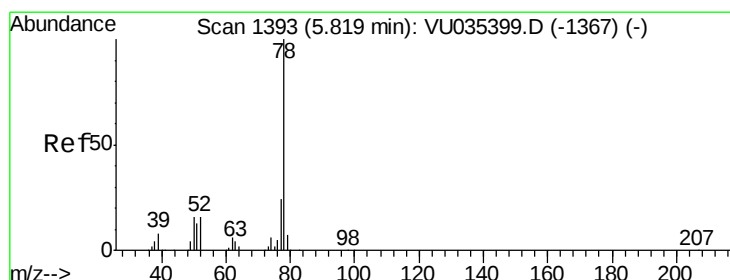
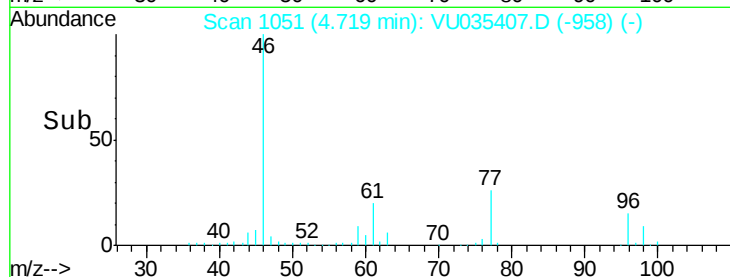
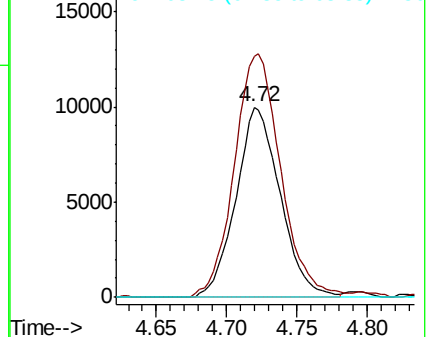
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035407.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035407.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035407.D (-958) (-)



#33

Benzene

Concen: 0.335 ug/L

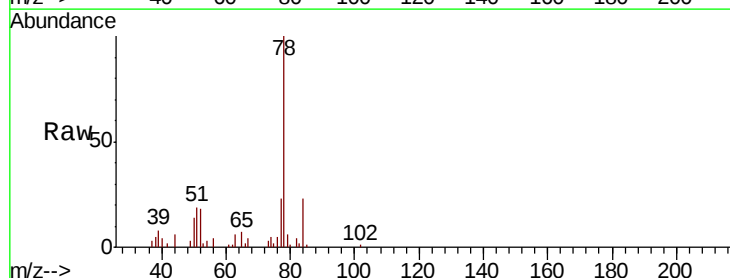
RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

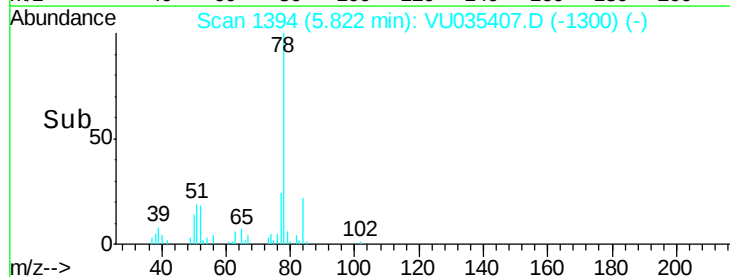
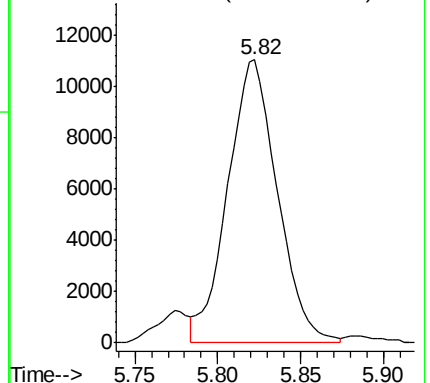
Lab File: VU035407.D

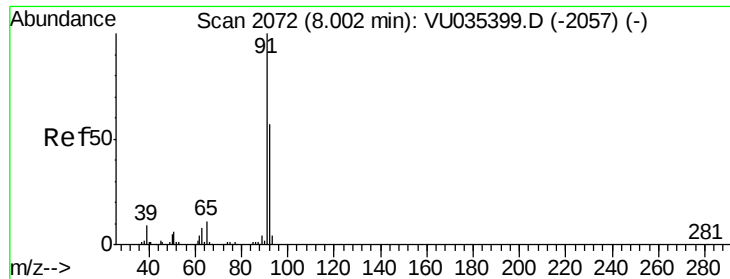
Acq: 23 Oct 2019 13:43

Tgt Ion: 78 Resp: 22967



Abundance Ion 78.10 (77.80 to 78.80): VU035407.D (-1300) (-)





#42

Toluene

Concen: 0.391 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035407.D

Acq: 23 Oct 2019 13:43

Instrument :

MSVOA_U

ClientSampleId :

H0G20

Tot Ion: 91 Resp: 29589

Ion Ratio Lower Upper

91 100

92 64.0 39.9 74.1

