

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112320\
 Data File : VU041406.D
 Acq On : 23 Nov 2020 22:37
 Operator : SY/MD
 Sample : L4849-14MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4404MSD

Quant Time: Nov 24 03:32:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 24 01:52:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	60345	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	64285	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27986	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21631	5.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.00%
7) Chloroethane-d5	1.91	69	14734	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.57	63	41517	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	4.69	46	68308	63.22	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.44%
24) Chloroform-d	5.08	84	43814	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.72	65	27253	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.74	84	74617	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.70	67	24867	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.90	98	62765	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	8.19	79	10833	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.64	63	45090	60.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23118	5.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	26002	5.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.60%

Target Compounds

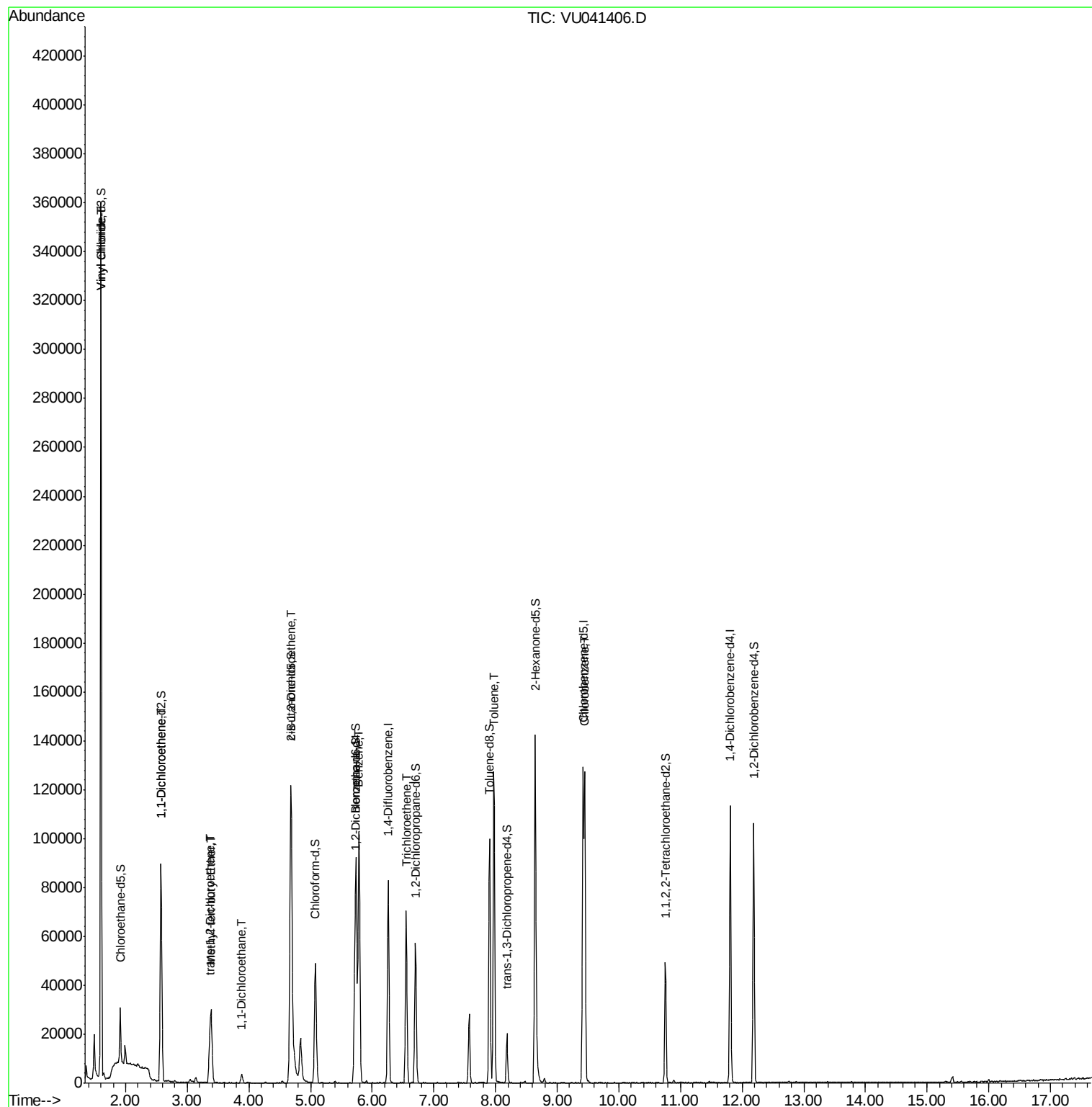
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.60	62	193962	36.781	ug/L	96
12) 1,1-Dichloroethene	2.58	96	18699	5.032	ug/L	92
17) Methyl tert-butyl Ether	3.39	73	28318	3.060	ug/L	97
18) trans-1,2-Dichloroethene	3.36	96	4134	1.026	ug/L	98
19) 1,1-Dichloroethane	3.88	63	4464	0.557	ug/L	93
22) cis-1,2-Dichloroethene	4.68	96	51320	11.976	ug/L	98
33) Benzene	5.79	78	91860	5.327	ug/L	100
34) Trichloroethene	6.55	95	23216	4.944	ug/L	94
42) Toluene	7.97	91	86444	4.702	ug/L	98
51) Chlorobenzene	9.45	112	60387	5.074	ug/L	97

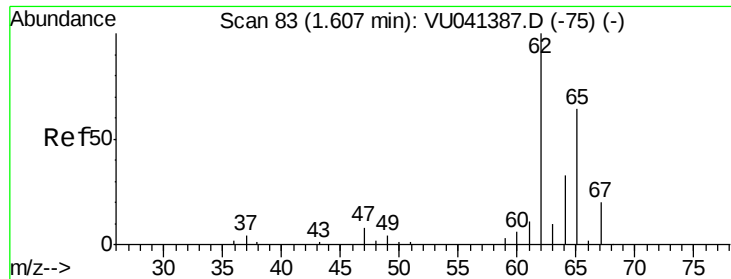
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 24 01:52:19 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 36.781 ug/L

RT: 1.60 min Scan# 81

Delta R.T. -0.01 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

Instrument :

MSVOA_U

ClientSampleId :

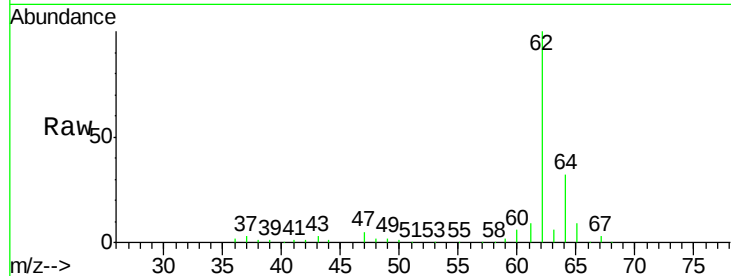
H4404MSD

Tot Ion: 62 Resp: 193962

Ion Ratio Lower Upper

62 100

64 31.8 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.60

200000

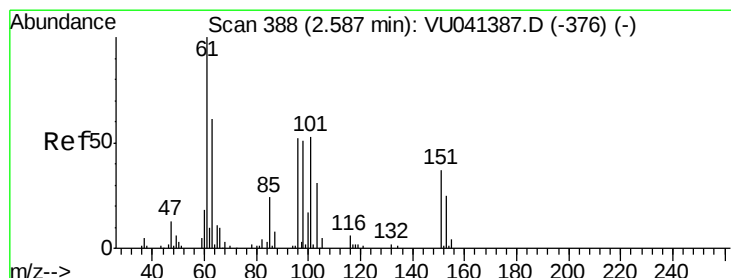
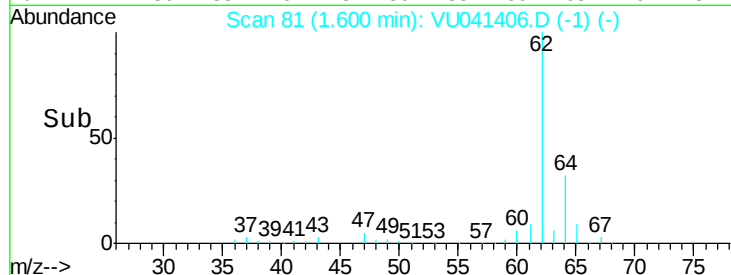
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 5.032 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

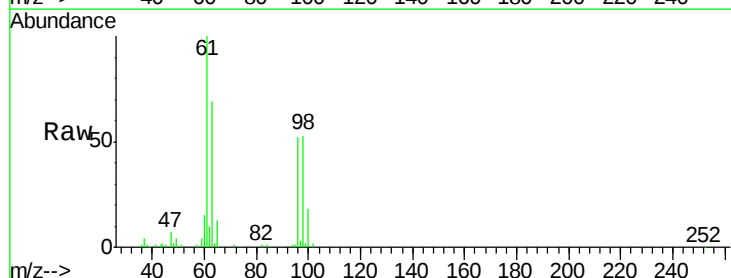
Tgt Ion: 96 Resp: 18699

Ion Ratio Lower Upper

96 100

61 190.5 129.8 241.2

63 130.7 79.2 147.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

30000

25000

20000

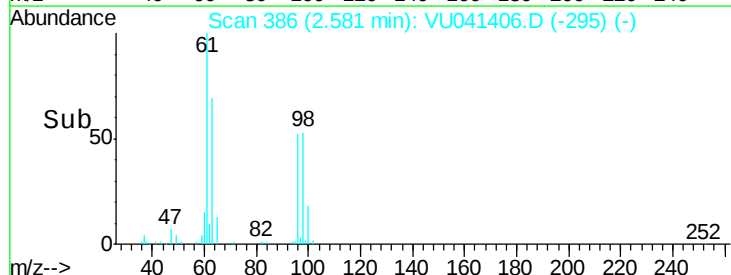
15000

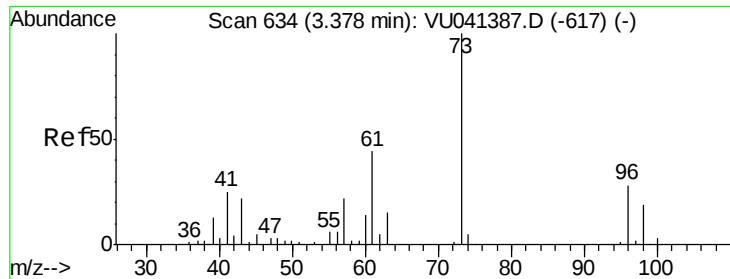
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5000

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Time-->

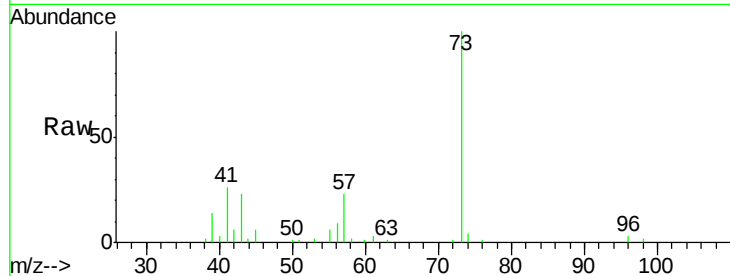




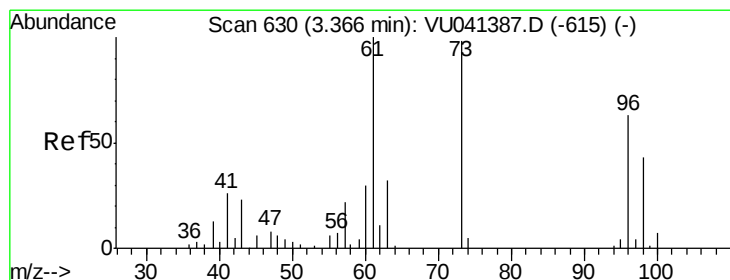
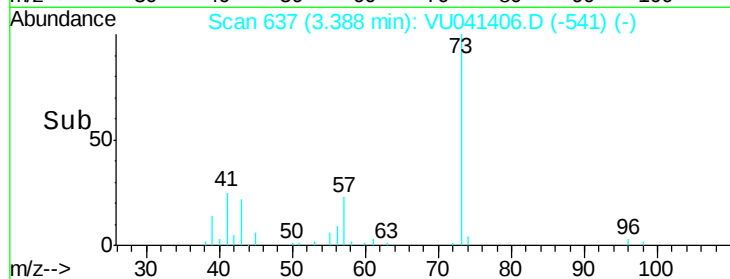
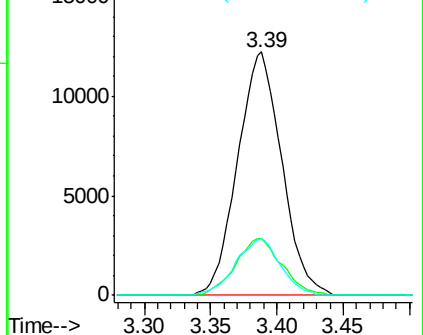
#17
Methvl tert-butvl Ether
Concen: 3.060 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.01 min
Lab File: VU041406.D
Acq: 23 Nov 2020 22:37

Instrument :
MSVOA_U
ClientSampleId :
H4404MSD

Tot Ion: 73 Resp: 28318
Ion Ratio Lower Upper
73 100
43 24.5 18.3 27.5
57 23.5 17.7 26.5

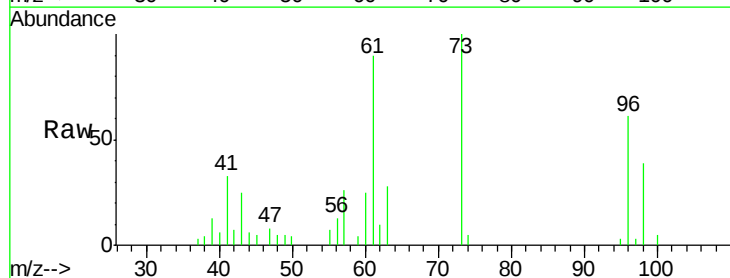


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

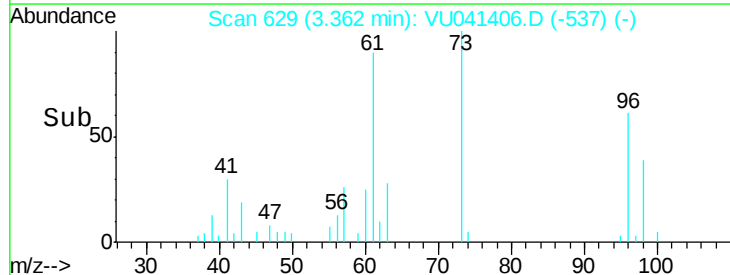
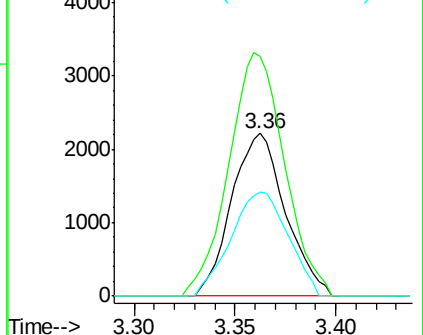


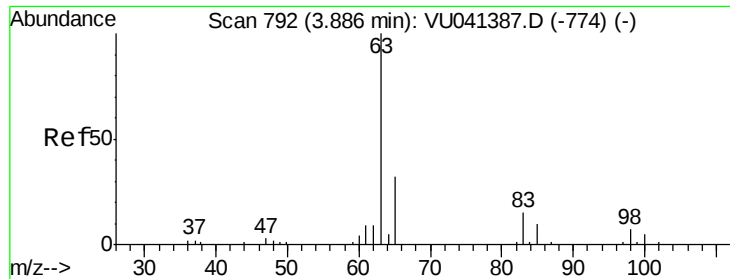
#18
trans-1,2-Dichloroethene
Concen: 1.026 ug/L
RT: 3.36 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU041406.D
Acq: 23 Nov 2020 22:37

Tgt Ion: 96 Resp: 4134
Ion Ratio Lower Upper
96 100
61 147.0 103.7 192.5
98 63.9 47.5 88.3



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

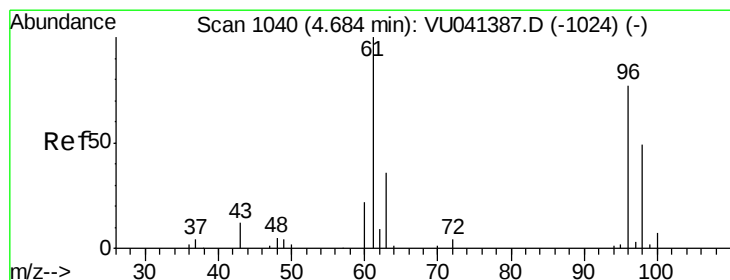
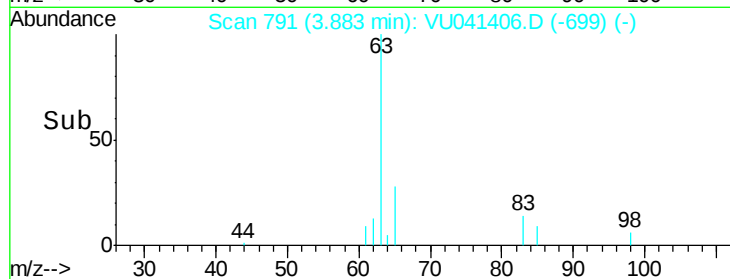
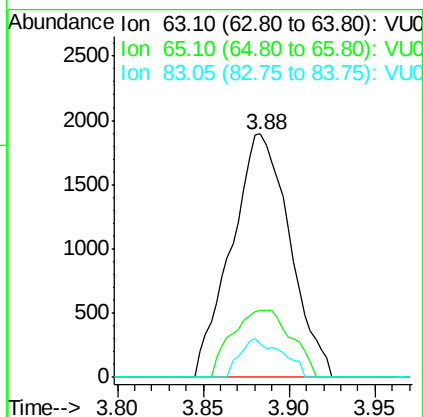
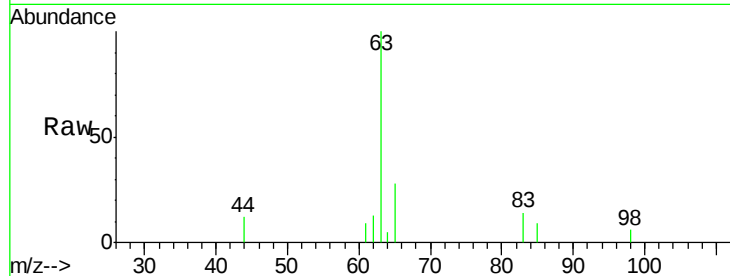




#19
 1,1-Dichloroethane
 Concen: 0.557 ug/L
 RT: 3.88 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VU041406.D
 Acq: 23 Nov 2020 22:37

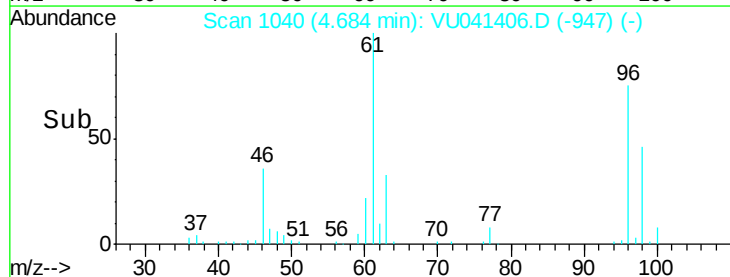
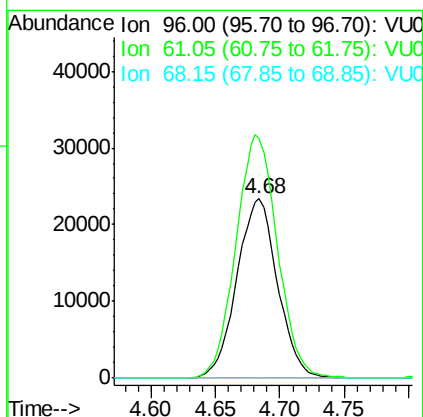
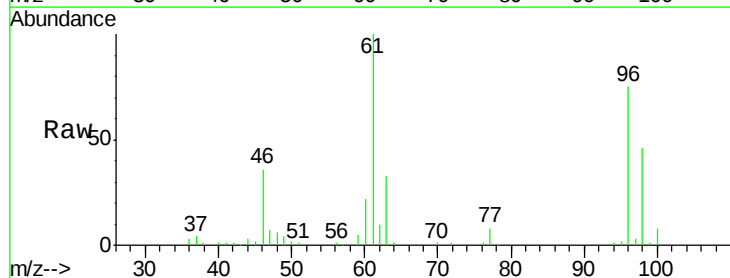
Instrument :
 MSVOA_U
 ClientSampleId :
 H4404MSD

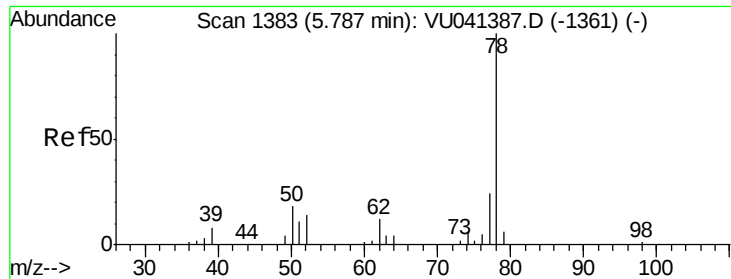
Tot Ion: 63 Resp: 4464
 Ion Ratio Lower Upper
 63 100
 65 27.7 23.0 42.8
 83 13.9 9.4 17.4



#22
 cis-1,2-Dichloroethene
 Concen: 11.976 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU041406.D
 Acq: 23 Nov 2020 22:37

Tgt Ion: 96 Resp: 51320
 Ion Ratio Lower Upper
 96 100
 61 133.6 95.3 176.9
 68 0.0 0.0 0.0





#33

Benzene

Concen: 5.327 ug/L

RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

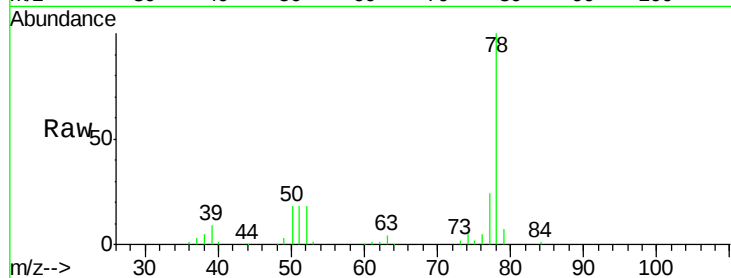
Instrument :

MSVOA_U

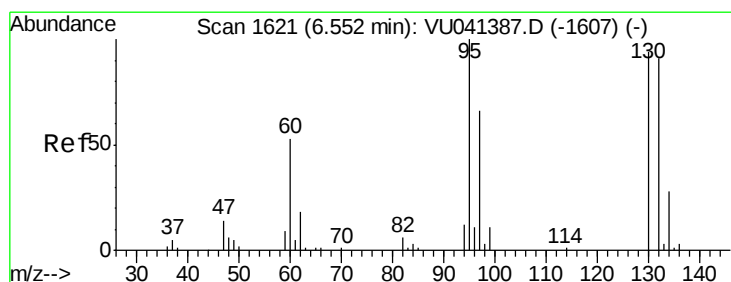
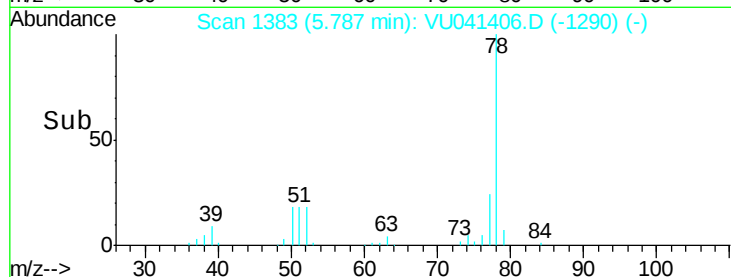
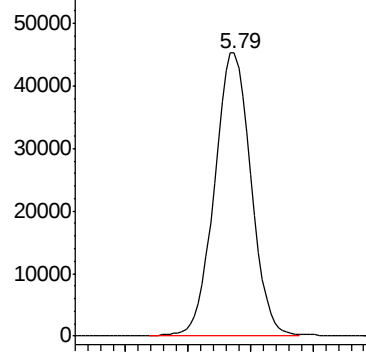
ClientSampleId :

H4404MSD

Tgt Ion: 78 Resp: 91860



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.944 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

Tgt Ion: 95 Resp: 23216

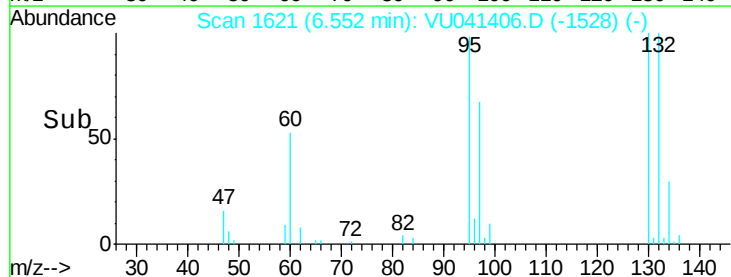
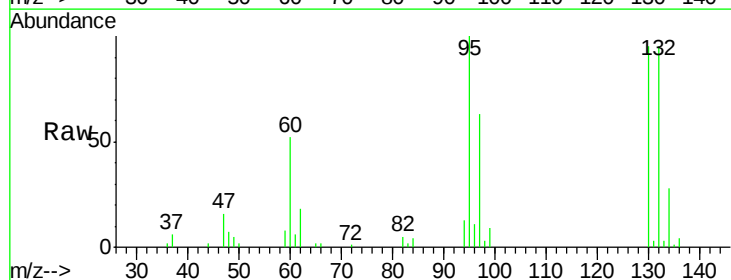
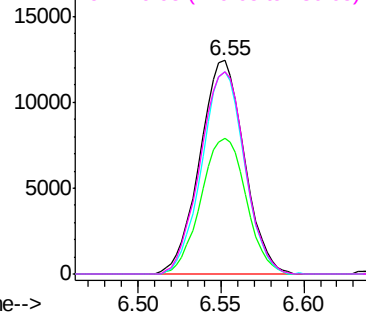
Ion	Ratio	Lower	Upper
95	100		
97	63.4	46.5	86.5
132	94.6	60.8	113.0
130	94.9	63.3	117.7

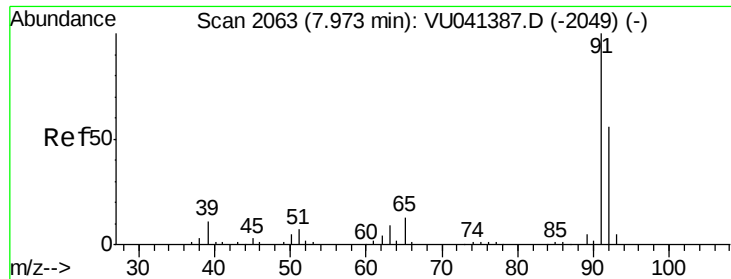
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#42

Toluene

Concen: 4.702 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

Instrument :

MSVOA_U

ClientSampleId :

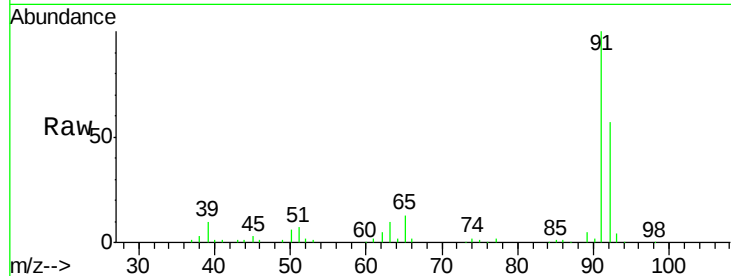
H4404MSD

Tot Ion: 91 Resp: 86444

Ion Ratio Lower Upper

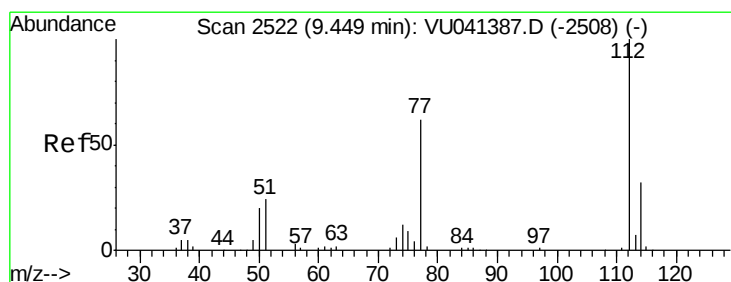
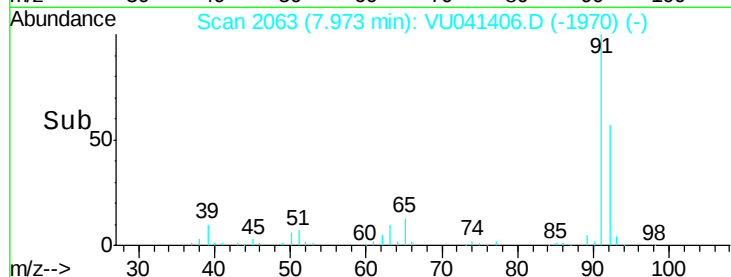
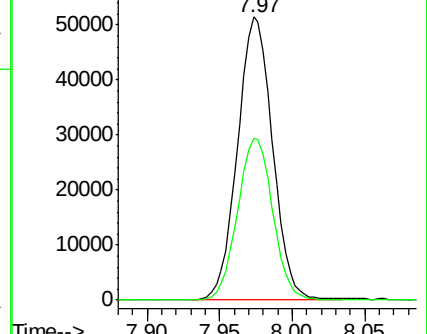
91 100

92 57.2 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU041387.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041387.D (-2049) (-)



#51

Chlorobenzene

Concen: 5.074 ug/L

RT: 9.45 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VU041406.D

Acq: 23 Nov 2020 22:37

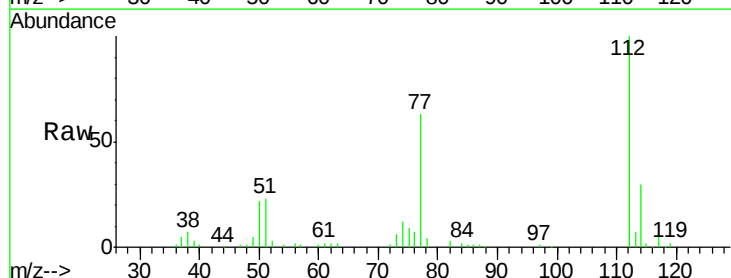
Tgt Ion: 112 Resp: 60387

Ion Ratio Lower Upper

112 100

114 30.2 22.3 41.3

77 63.0 52.2 78.4



Abundance Ion 112.10 (111.80 to 112.80): VU041387.D (-2508) (-)

Ion 114.05 (113.75 to 114.75): VU041387.D (-2508) (-)

Ion 77.10 (76.80 to 77.80): VU041387.D (-2508) (-)

