

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112320\
 Data File : VU041405.D
 Acq On : 23 Nov 2020 22:14
 Operator : SY/MD
 Sample : L4849-13MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4404MS

Quant Time: Nov 24 03:30:29 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	6.27	114	63821	5.00	ug/L	0.01
28) Chlorobenzene-d5	9.42	117	64302	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27587	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23168	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.92	69	15643	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.57	63	44921	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	4.75	46	69012	60.39	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.78%
24) Chloroform-d	5.10	84	47068	5.15	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.74	65	29312	5.51	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.75	84	80943	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.71	67	26867	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.40%
41) Toluene-d8	7.91	98	66990	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.19	79	11478	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.65	63	45089	60.64	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.28%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	23852	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	25297	5.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.00%

Target Compounds

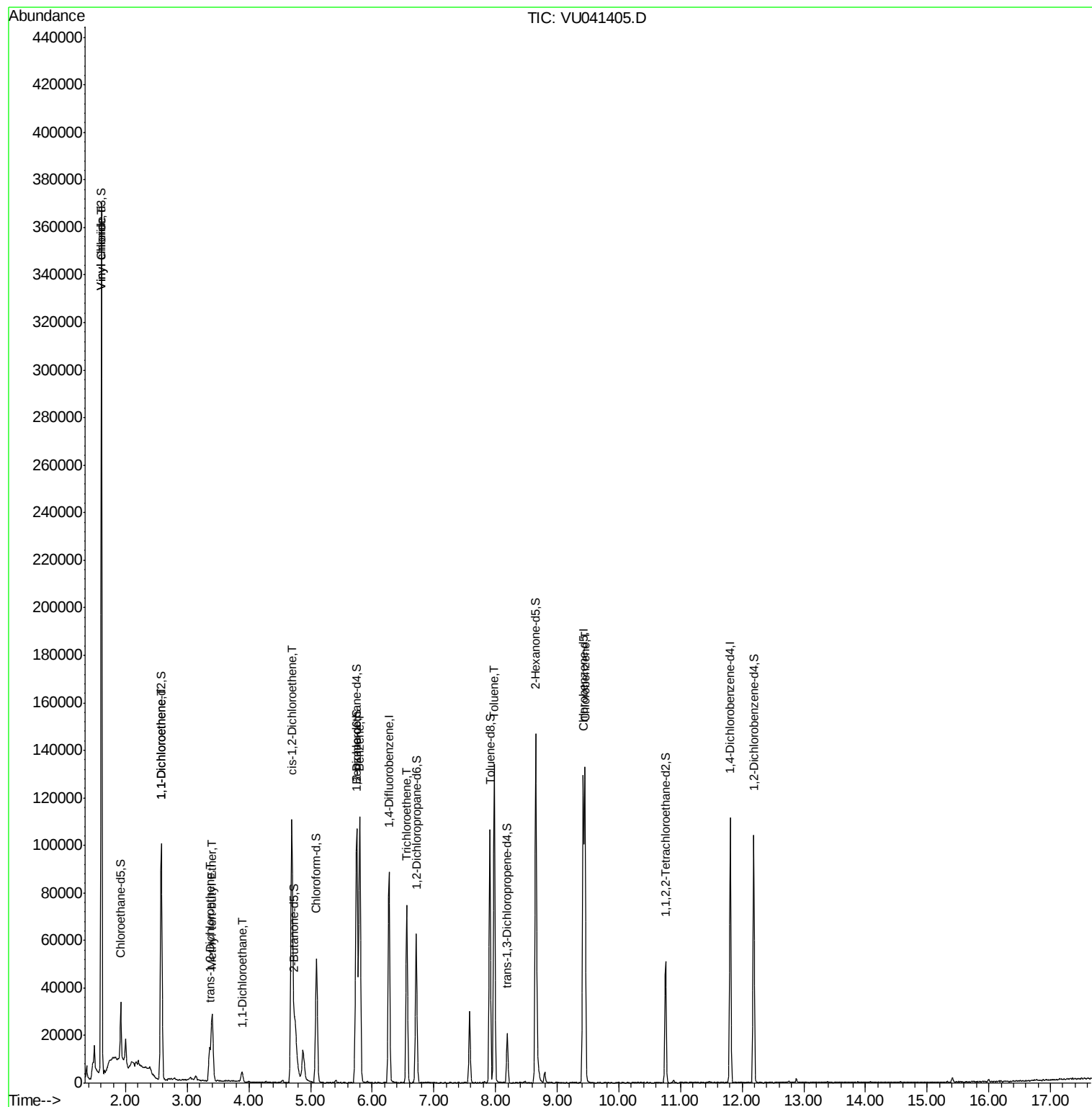
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	201274	36.089	ug/L	97
12) 1,1-Dichloroethene	2.58	96	20200	5.140	ug/L	98
17) Methyl tert-butyl Ether	3.40	73	32098	3.280	ug/L	98
18) trans-1,2-Dichloroethene	3.36	96	4595	1.078	ug/L	97
19) 1,1-Dichloroethane	3.89	63	4599	0.542	ug/L	95
22) cis-1,2-Dichloroethene	4.69	96	52116	11.499	ug/L	100
33) Benzene	5.80	78	97998	5.682	ug/L	100
34) Trichloroethene	6.56	95	24703	5.259	ug/L	97
42) Toluene	7.98	91	89798	4.883	ug/L	99
51) Chlorobenzene	9.45	112	61684	5.182	ug/L	99

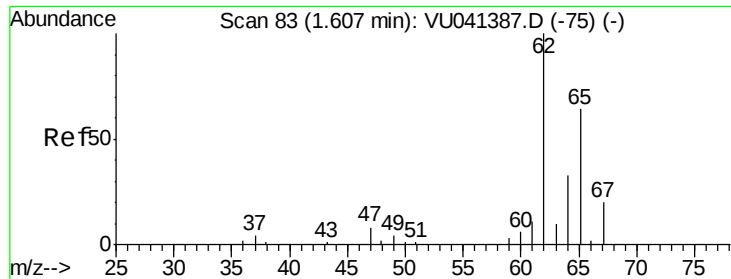
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 36.089 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041405.D

Acq: 23 Nov 2020 22:14

Instrument :

MSVOA_U

ClientSampleId :

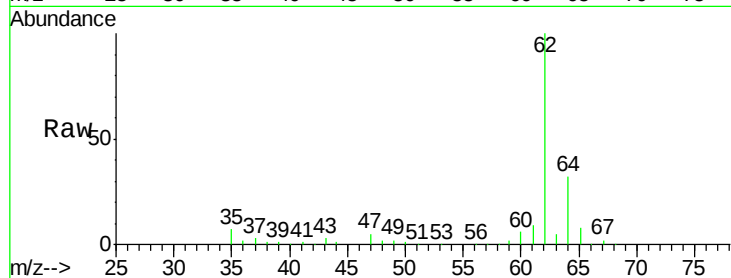
H4404MS

Tot Ion: 62 Resp: 201274

Ion Ratio Lower Upper

62 100

64 32.4 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

200000

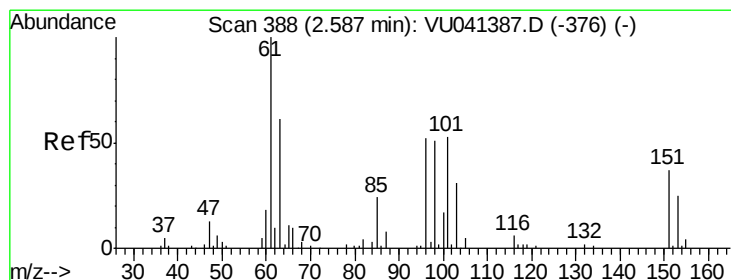
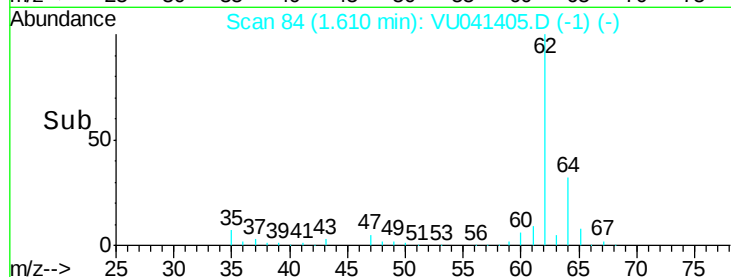
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 5.140 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.00 min

Lab File: VU041405.D

Acq: 23 Nov 2020 22:14

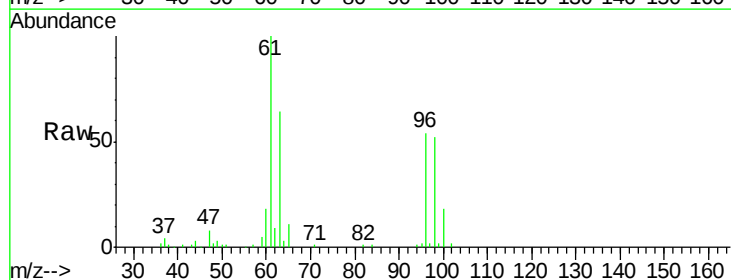
Tgt Ion: 96 Resp: 20200

Ion Ratio Lower Upper

96 100

61 185.3 129.8 241.2

63 119.2 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

2.58

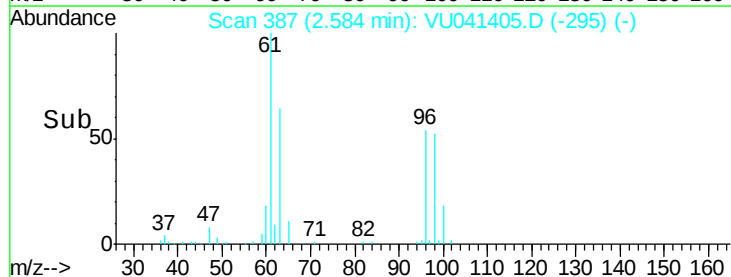
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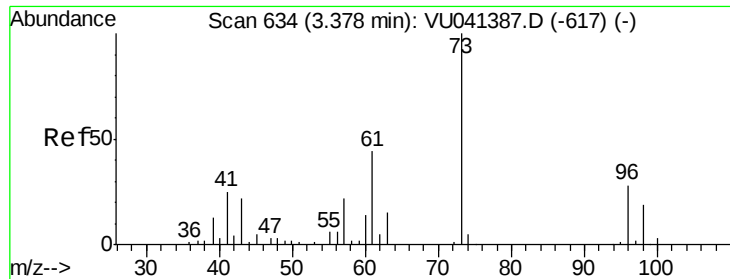
20000

10000

0

Time-->

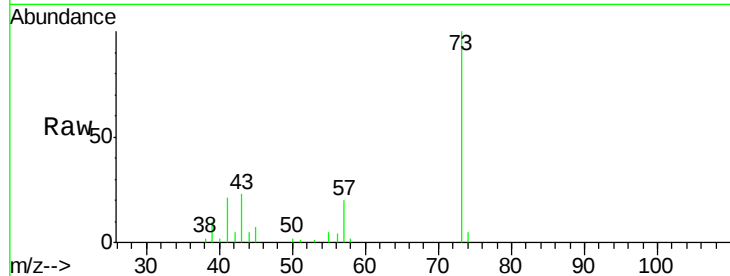




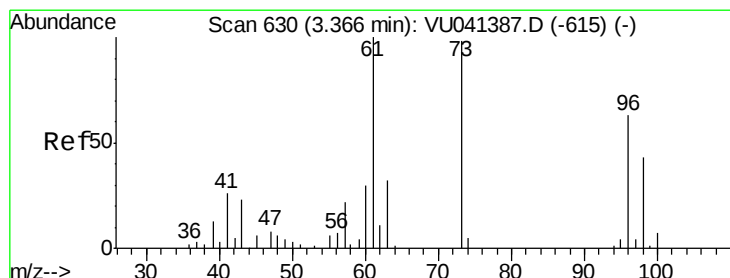
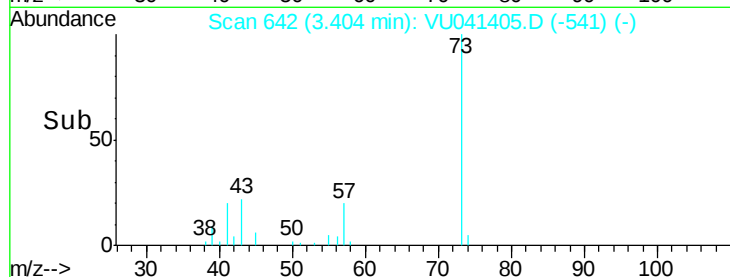
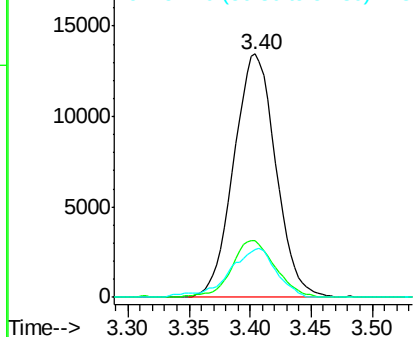
#17
Methvl tert-butvl Ether
Concen: 3.280 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.03 min
Lab File: VU041405.D
Acq: 23 Nov 2020 22:14

Instrument :
MSVOA_U
ClientSampleId :
H4404MS

Tot Ion: 73 Resp: 32098
Ion Ratio Lower Upper
73 100
43 24.3 18.3 27.5
57 22.5 17.7 26.5

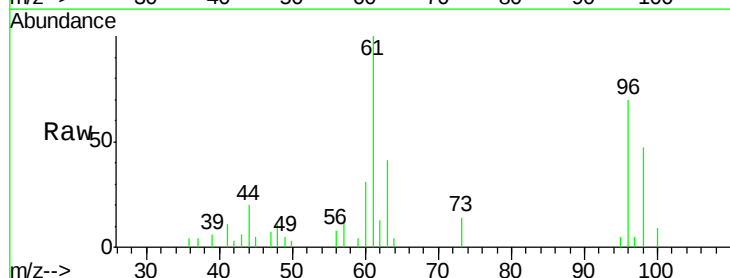


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

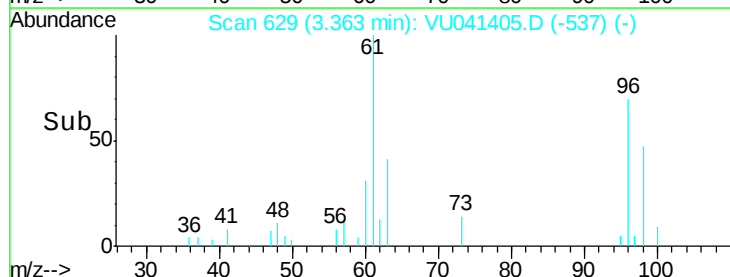
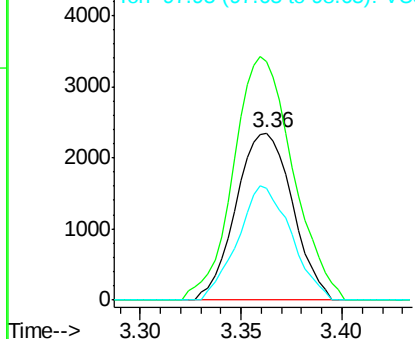


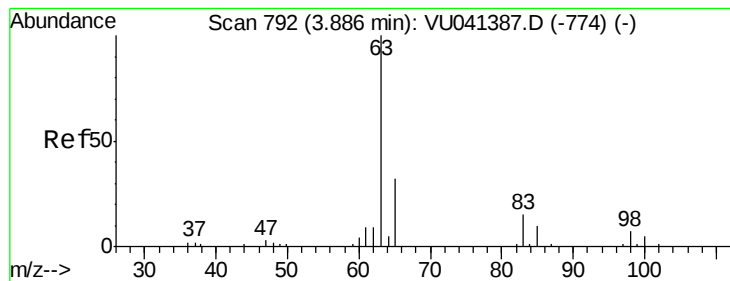
#18
trans-1,2-Dichloroethene
Concen: 1.078 ug/L
RT: 3.36 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU041405.D
Acq: 23 Nov 2020 22:14

Tgt Ion: 96 Resp: 4595
Ion Ratio Lower Upper
96 100
61 143.0 103.7 192.5
98 67.0 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: 0.542 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041405.D

Acq: 23 Nov 2020 22:14

Instrument :

MSVOA_U

ClientSampleId :

H4404MS

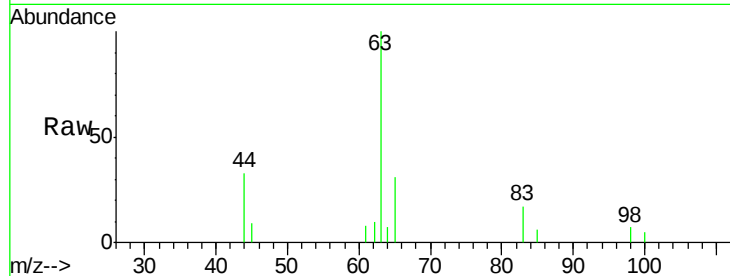
Tot Ion: 63 Resp: 4599

Ion Ratio Lower Upper

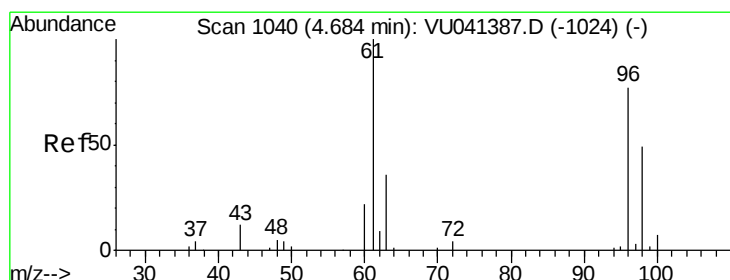
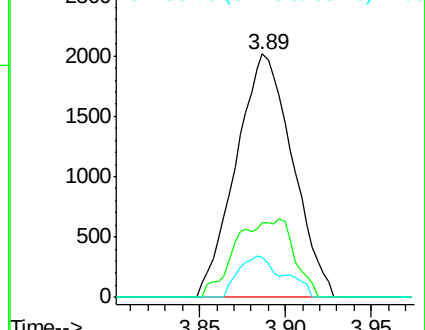
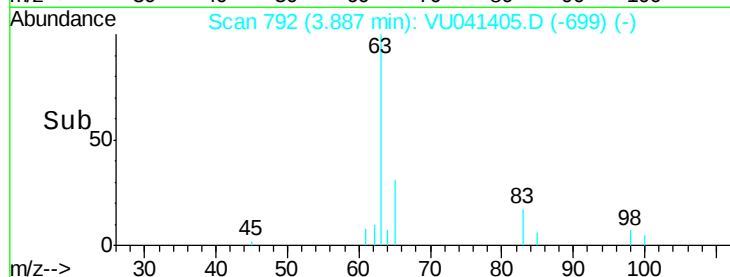
63 100

65 30.6 23.0 42.8

83 16.7 9.4 17.4



Abundance Ion 63.10 (62.80 to 63.80): VU041405.D (-699) (-)



#22

cis-1,2-Dichloroethene

Concen: 11.499 ug/L

RT: 4.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VU041405.D

Acq: 23 Nov 2020 22:14

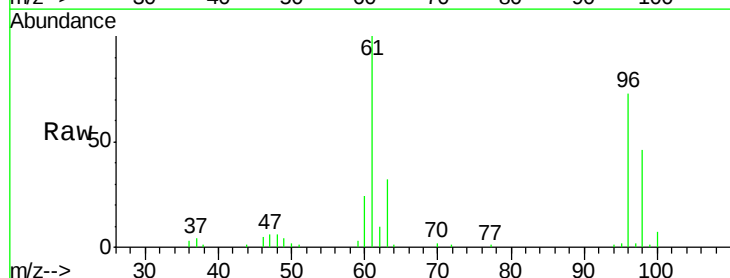
Tgt Ion: 96 Resp: 52116

Ion Ratio Lower Upper

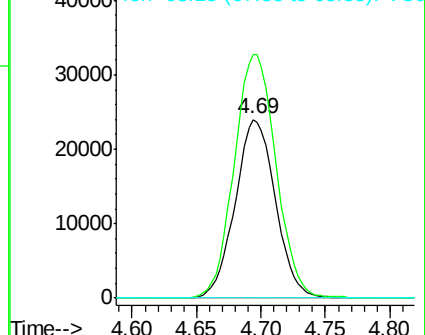
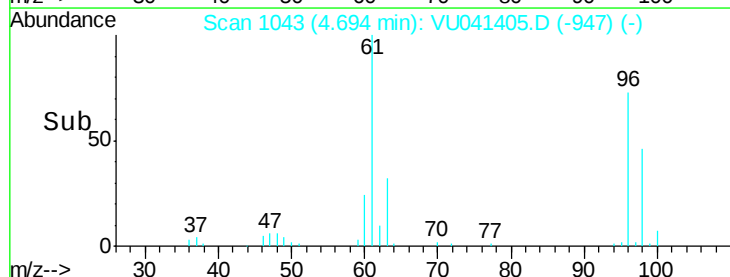
96 100

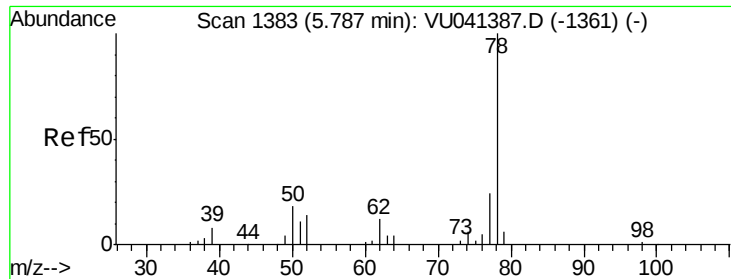
61 136.4 95.3 176.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041405.D (-947) (-)

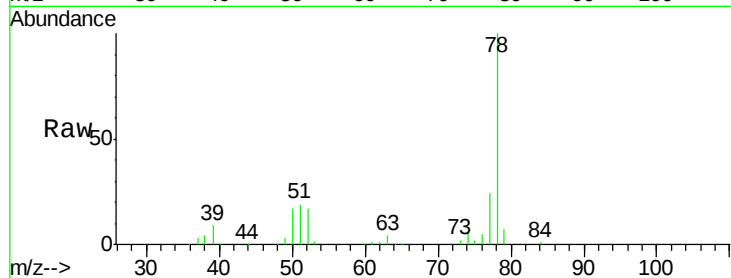




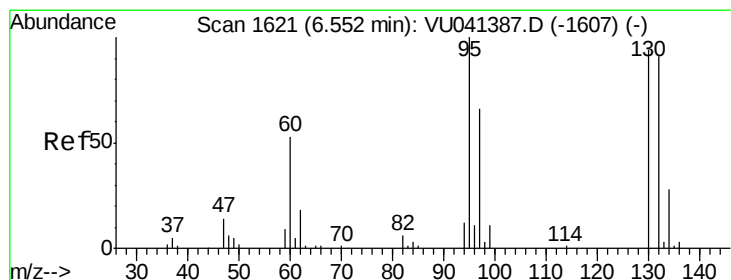
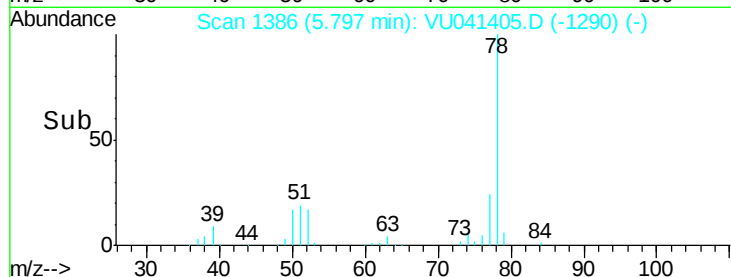
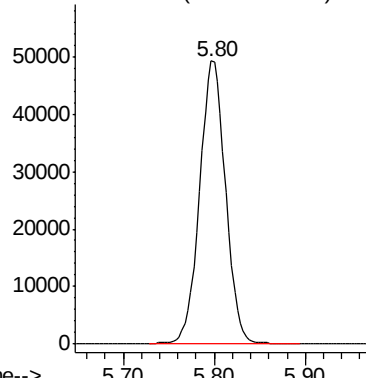
#33
Benzene
Concen: 5.682 ug/L
RT: 5.80 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VU041405.D
Acq: 23 Nov 2020 22:14

Instrument :
MSVOA_U
ClientSampled :
H4404MS

Tgt Ion: 78 Resp: 97998

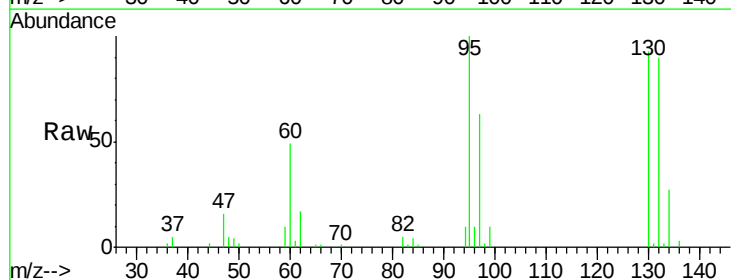


Abundance Ion 78.10 (77.80 to 78.80): VU0



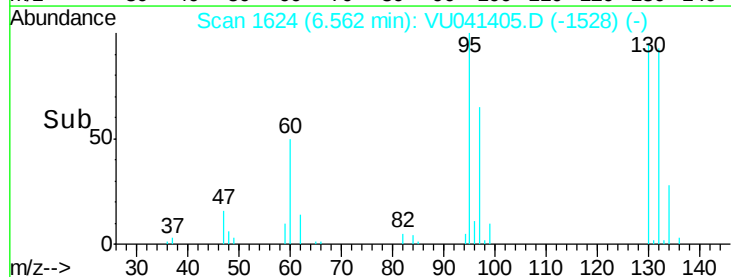
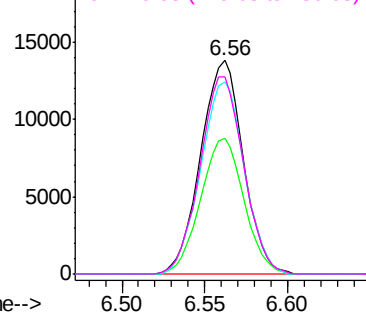
#34
Trichloroethene
Concen: 5.259 ug/L
RT: 6.56 min Scan# 1624
Delta R.T. 0.01 min
Lab File: VU041405.D
Acq: 23 Nov 2020 22:14

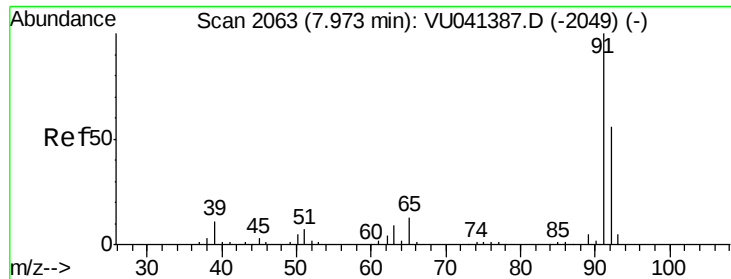
Tgt Ion: 95 Resp: 24703
Ion Ratio Lower Upper
95 100
97 63.4 46.5 86.5
132 89.9 60.8 113.0
130 92.5 63.3 117.7



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: 4.883 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VU041405.D

Acq: 23 Nov 2020 22:14

Instrument :

MSVOA_U

ClientSampleId :

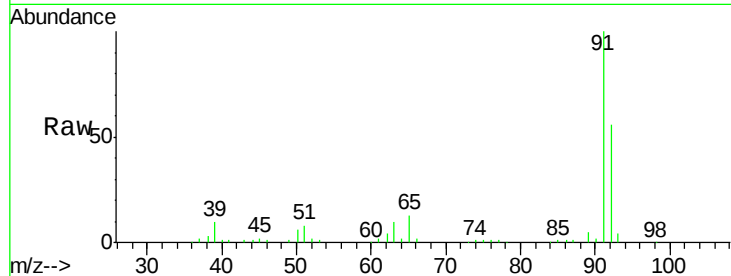
H4404MS

Tot Ion: 91 Resp: 89798

Ion Ratio Lower Upper

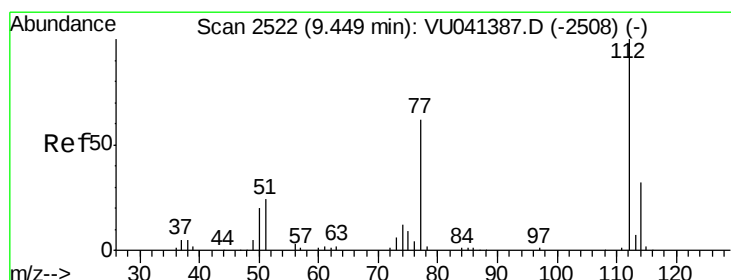
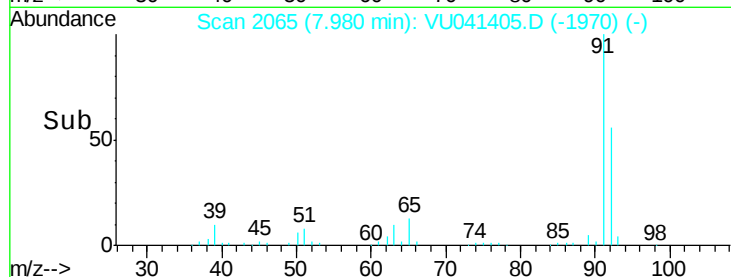
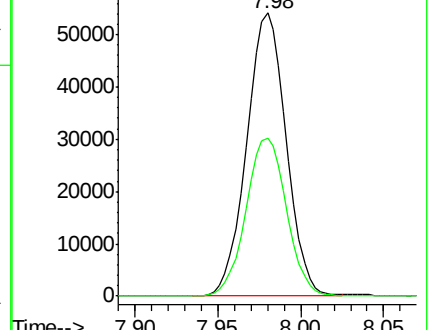
91 100

92 55.7 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: 5.182 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041405.D

Acq: 23 Nov 2020 22:14

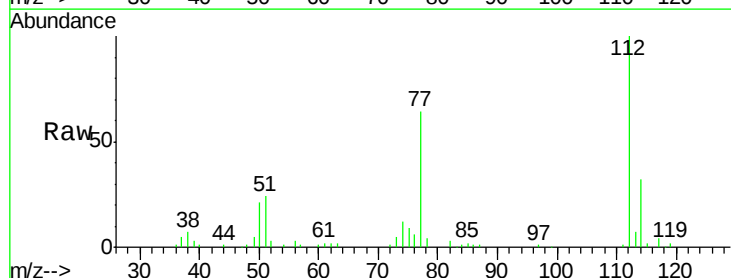
Tgt Ion: 112 Resp: 61684

Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.3

77 64.1 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) (-)

