

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
 Data File : VU040409.D
 Acq On : 30 Sep 2020 19:31
 Operator : SY/MD
 Sample : L4186-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F5

Quant Time: Oct 01 04:34:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 03:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	126345	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125695	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54133	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	26961	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.92	69	26549	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.58	63	46584	3.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.00%
20) 2-Butanone-d5	4.66	46	163349	52.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.14%
24) Chloroform-d	5.08	84	71498	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	44501	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.75	84	124910	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.70	67	45585	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.91	98	95160	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	8.19	79	16084	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.64	63	110579	49.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	43795	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	45427	5.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.80%

Target Compounds

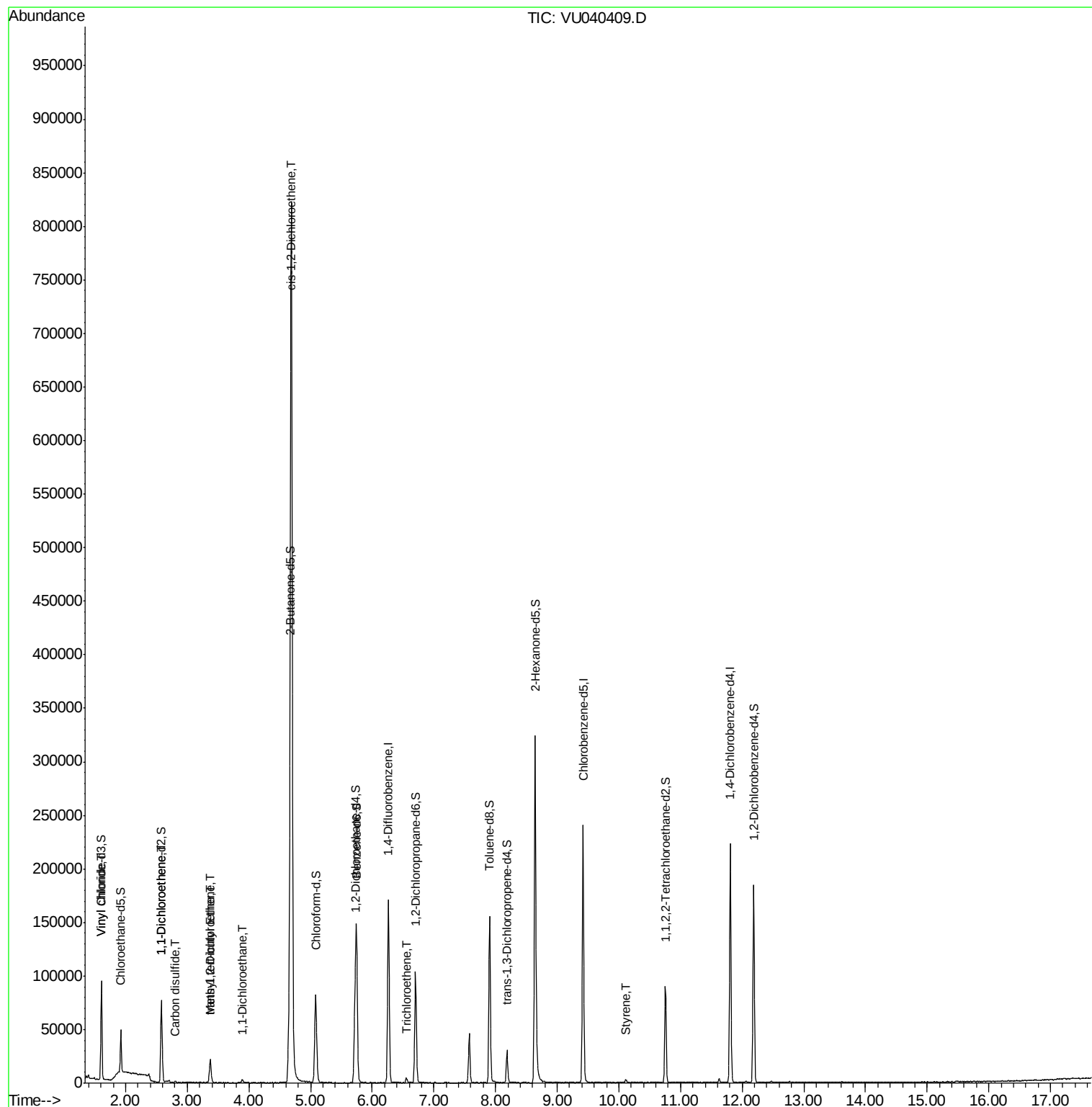
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	38808	3.178	ug/L	100
12) 1,1-Dichloroethene	2.59	96	2900	0.301	ug/L #	1
14) Carbon disulfide	2.81	76	1995	0.066	ug/L #	87
17) Methyl tert-butyl Ether	3.38	73	4378	0.165	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	6867	0.690	ug/L	96
19) 1,1-Dichloroethane	3.89	63	3686	0.181	ug/L #	94
22) cis-1,2-Dichloroethene	4.69	96	379173	34.449	ug/L	100
34) Trichloroethene	6.56	95	1503	0.134	ug/L	94
55) Styrene	10.11	104	1620	0.057	ug/L	84

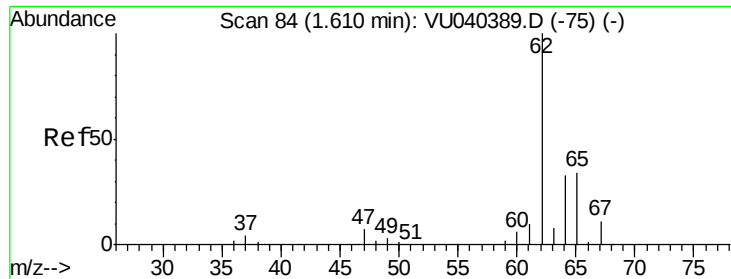
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 01 03:05:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.178 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040409.D

Acq: 30 Sep 2020 19:31

Instrument :

MSVOA_U

ClientSampleId :

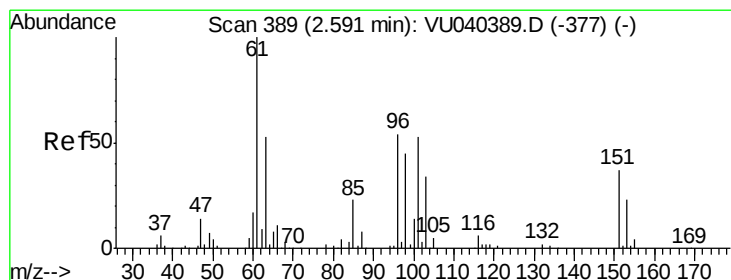
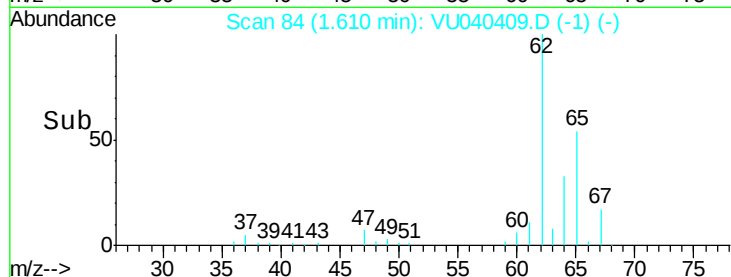
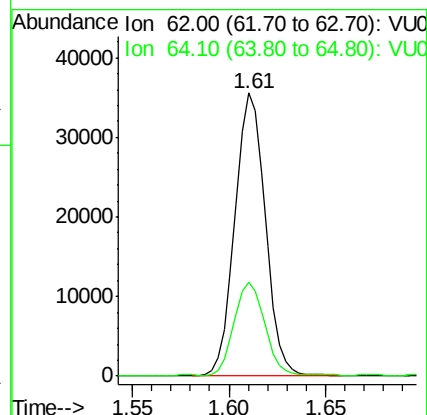
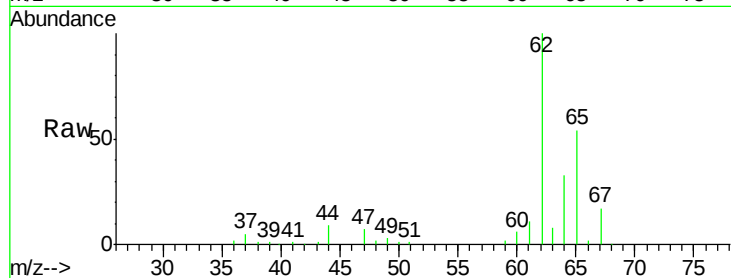
BG0F5

Tot Ion: 62 Resp: 38808

Ion Ratio Lower Upper

62 100

64 33.1 23.0 42.8



#12

1,1-Dichloroethene

Concen: 0.301 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040409.D

Acq: 30 Sep 2020 19:31

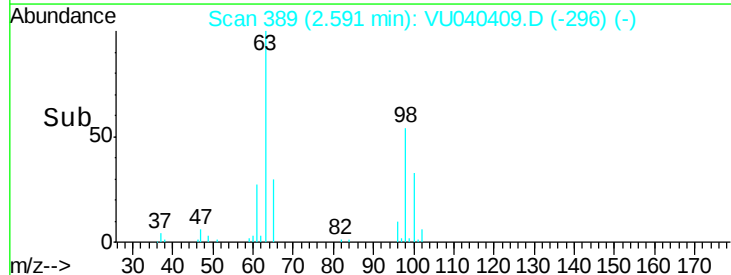
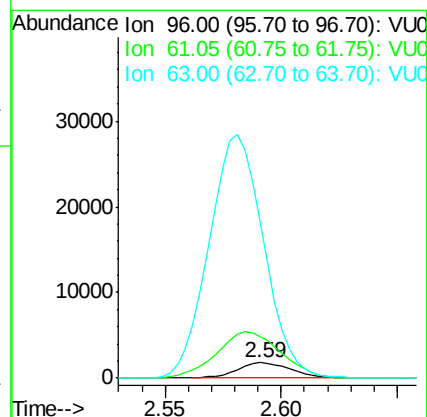
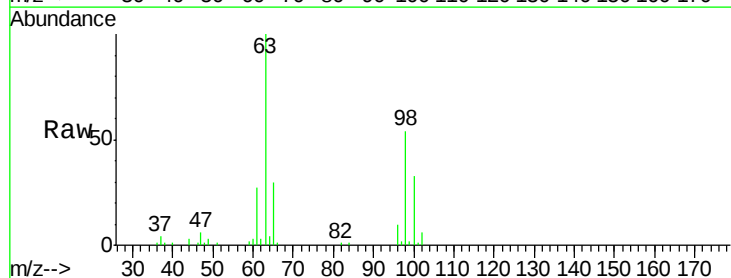
Tgt Ion: 96 Resp: 2900

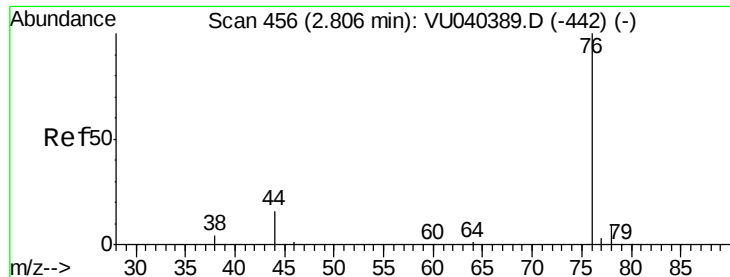
Ion Ratio Lower Upper

96 100

61 275.3 128.6 238.8#

63 1018.5 67.8 126.0#





#14

Carbon disulfide

Concen: 0.066 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040409.D

Acq: 30 Sep 2020 19:31

Instrument :

MSVOA_U

ClientSampleId :

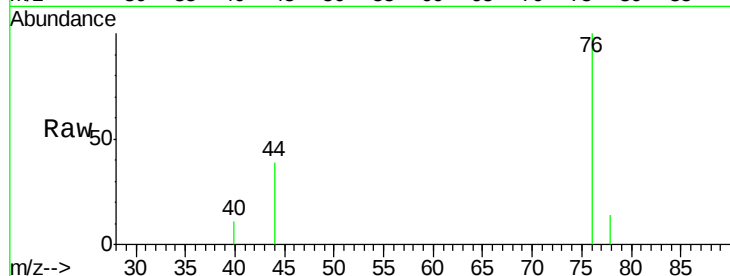
BG0F5

Tot Ion: 76 Resp: 1995

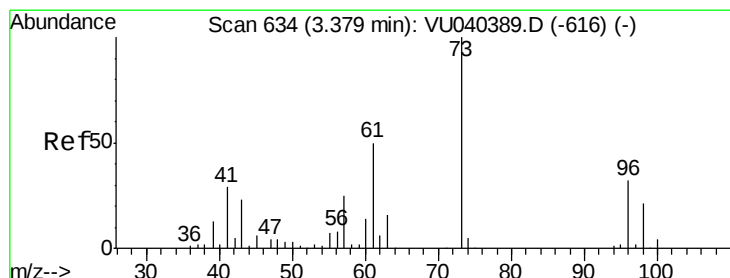
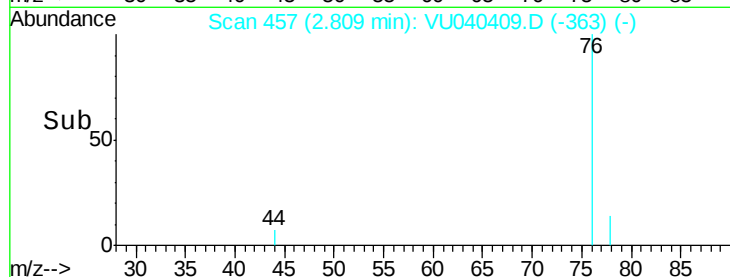
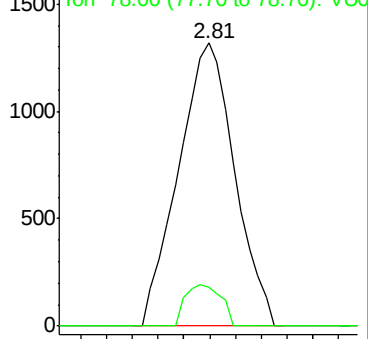
Ion Ratio Lower Upper

76 100

78 13.6 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU040409.D (-363) (-)



#17

Methyl tert-butyl Ether

Concen: 0.165 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU040409.D

Acq: 30 Sep 2020 19:31

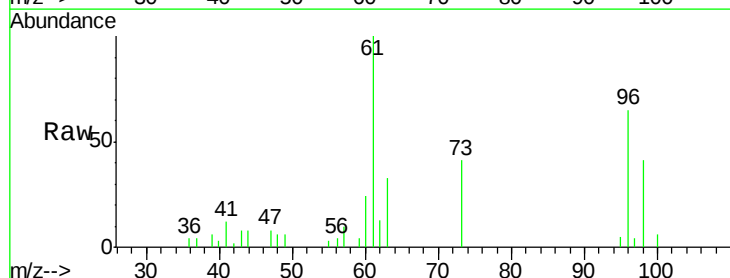
Tgt Ion: 73 Resp: 4378

Ion Ratio Lower Upper

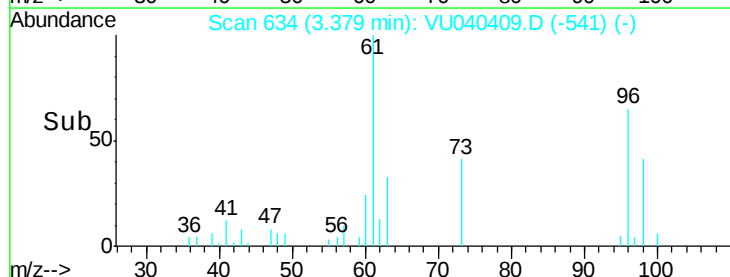
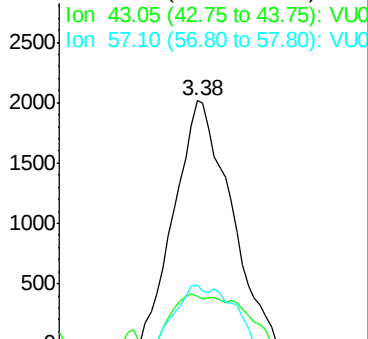
73 100

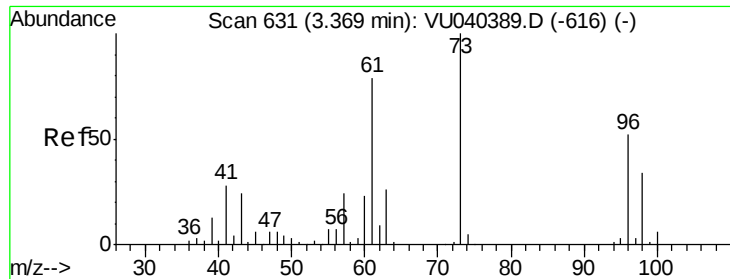
43 25.3 19.0 28.4

57 23.6 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VU040409.D (-541) (-)

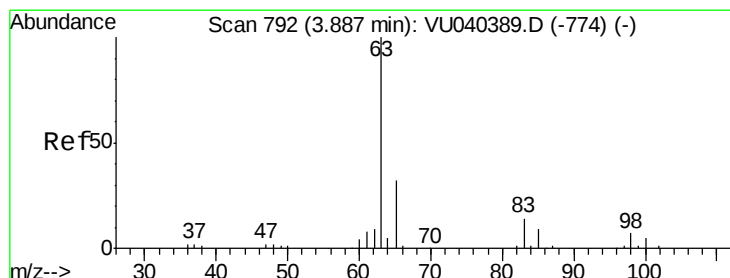
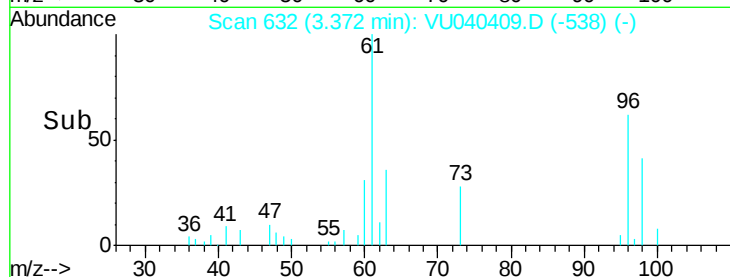
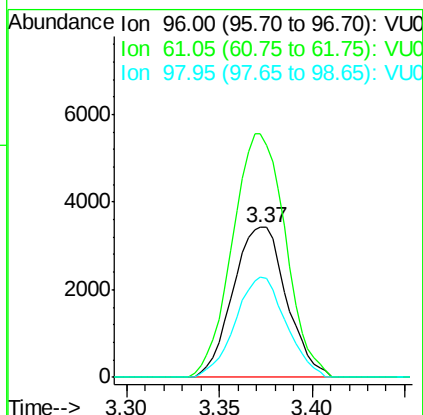
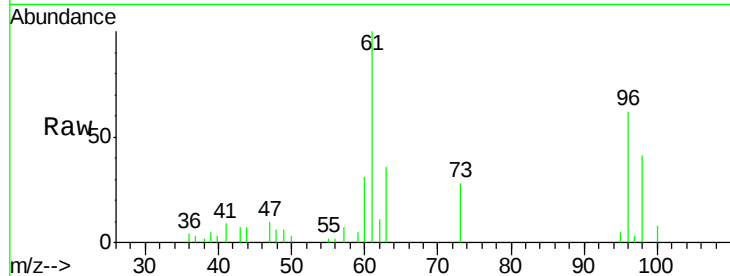




#18
 trans-1,2-Dichloroethene
 Concen: 0.690 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VU040409.D
 Acq: 30 Sep 2020 19:31

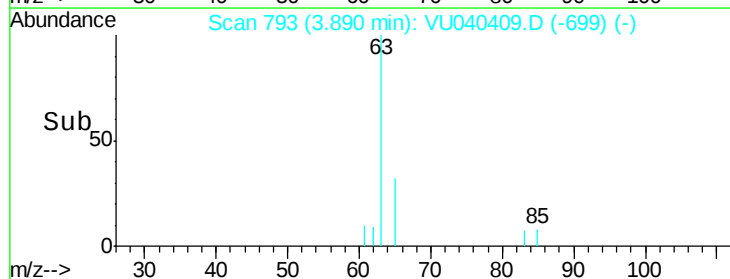
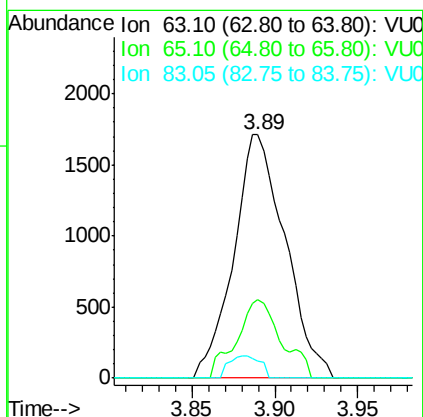
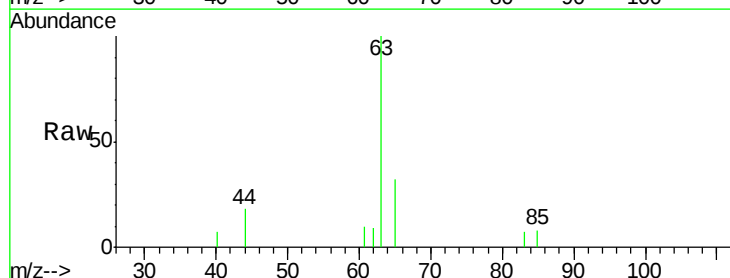
Instrument :
 MSVOA_U
 ClientSampled :
 BG0F5

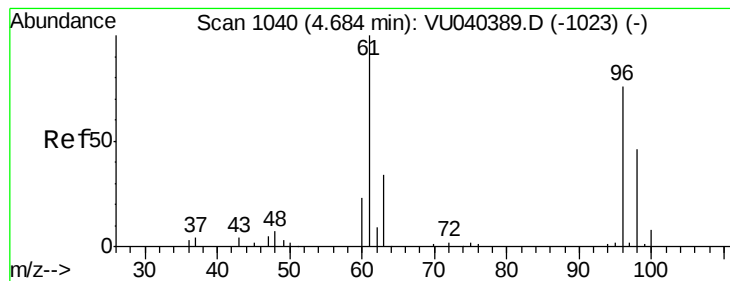
Tot Ion: 96 Resp: 6867
 Ion Ratio Lower Upper
 96 100
 61 162.3 109.3 203.1
 98 67.1 45.8 85.0



#19
 1,1-Dichloroethane
 Concen: 0.181 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040409.D
 Acq: 30 Sep 2020 19:31

Tgt Ion: 63 Resp: 3686
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.7 40.3
 83 6.9 9.1 16.9#





#22

cis-1,2-Dichloroethene

Concen: 34.449 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040409.D

Acq: 30 Sep 2020 19:31

Instrument :

MSVOA_U

ClientSampleId :

BG0F5

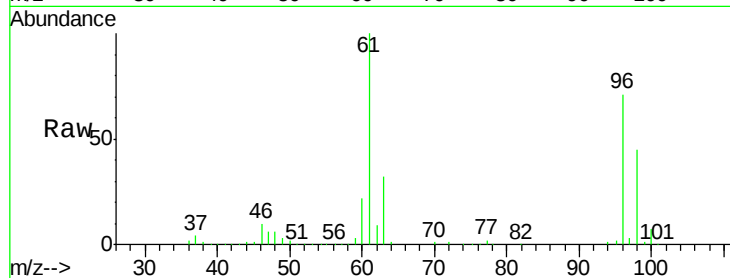
Tot Ion: 96 Resp: 379173

Ion Ratio Lower Upper

96 100

61 141.3 99.3 184.5

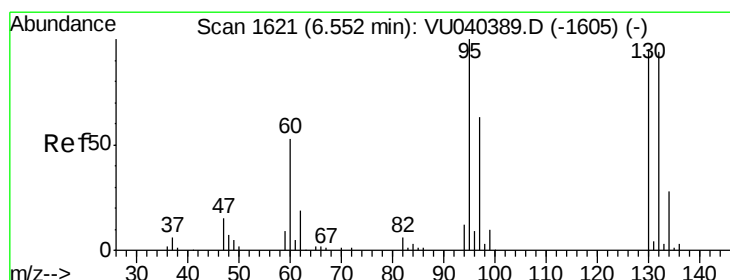
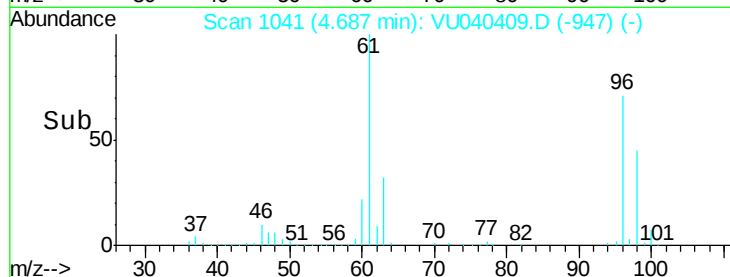
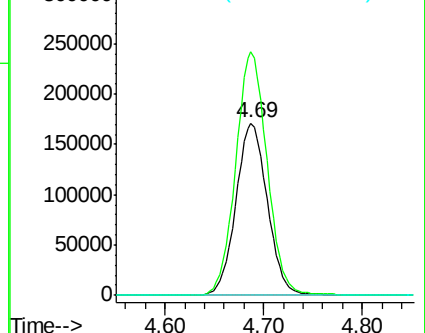
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040389.D (-1023) (-)

Ion 61.05 (60.75 to 61.75): VU040389.D (-1023) (-)

Ion 68.15 (67.85 to 68.85): VU040389.D (-1023) (-)



#34

Trichloroethene

Concen: 0.134 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040409.D

Acq: 30 Sep 2020 19:31

Tgt Ion: 95 Resp: 1503

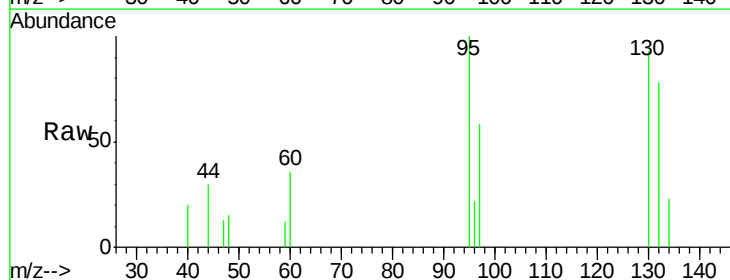
Ion Ratio Lower Upper

95 100

97 57.7 46.3 85.9

132 78.1 60.5 112.3

130 92.9 64.3 119.3

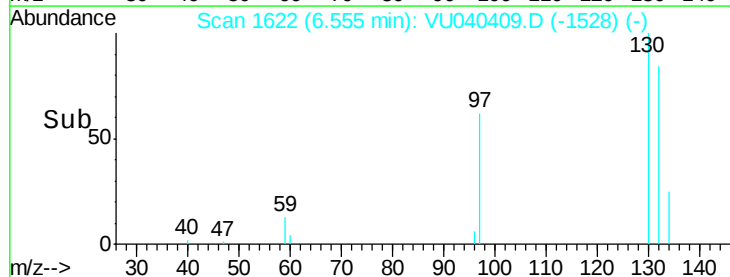
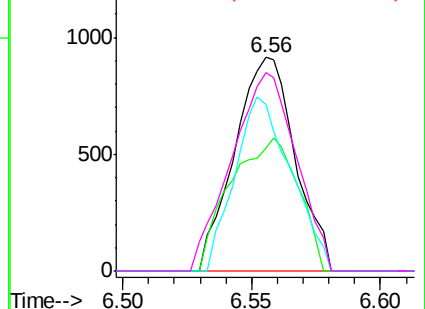


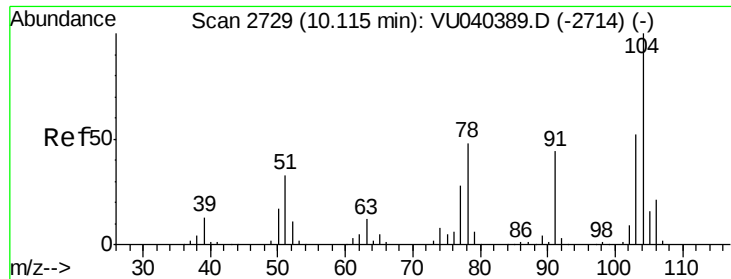
Abundance Ion 95.00 (94.70 to 95.70): VU040389.D (-1605) (-)

Ion 96.95 (96.65 to 97.65): VU040389.D (-1605) (-)

Ion 131.95 (131.65 to 132.65): VU040389.D (-1605) (-)

Ion 129.95 (129.65 to 130.65): VU040389.D (-1605) (-)





#55

Stvrene

Concen: 0.057 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040409.D

Acq: 30 Sep 2020 19:31

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MSVOA_U

ClientSampleId :

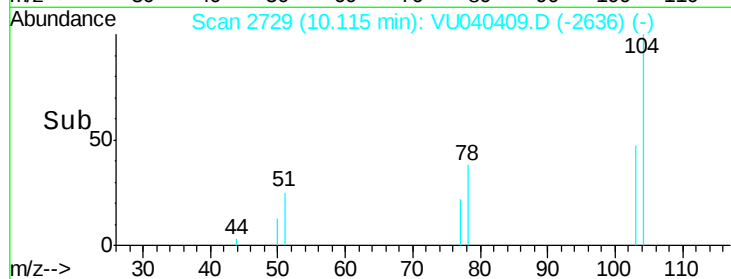
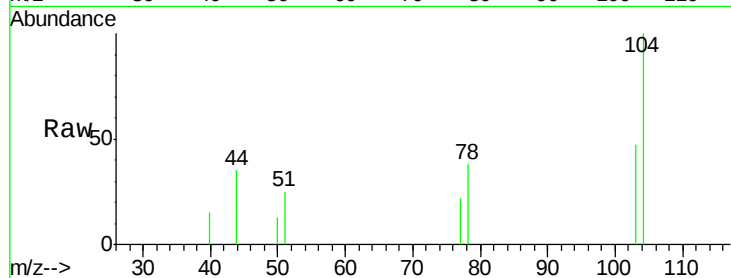
BG0F5

Tot Ion:104 Resp: 1620

Ion Ratio Lower Upper

104 100

78 38.0 34.4 63.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0

