

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041272.D
 Acq On : 17 Nov 2020 11:44
 Operator : SY/MD
 Sample : L4759-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4426

Quant Time: Nov 17 22:34:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 17 22:32:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	67533	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	70942	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29293	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23397	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.92	69	20215	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.58	63	35681	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.65	46	95002	46.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.76%
24) Chloroform-d	5.08	84	53302	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.72	65	32989	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.74	84	94354	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.70	67	34296	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.91	98	77028	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	12129	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.64	63	66307	43.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	29249	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	30232	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

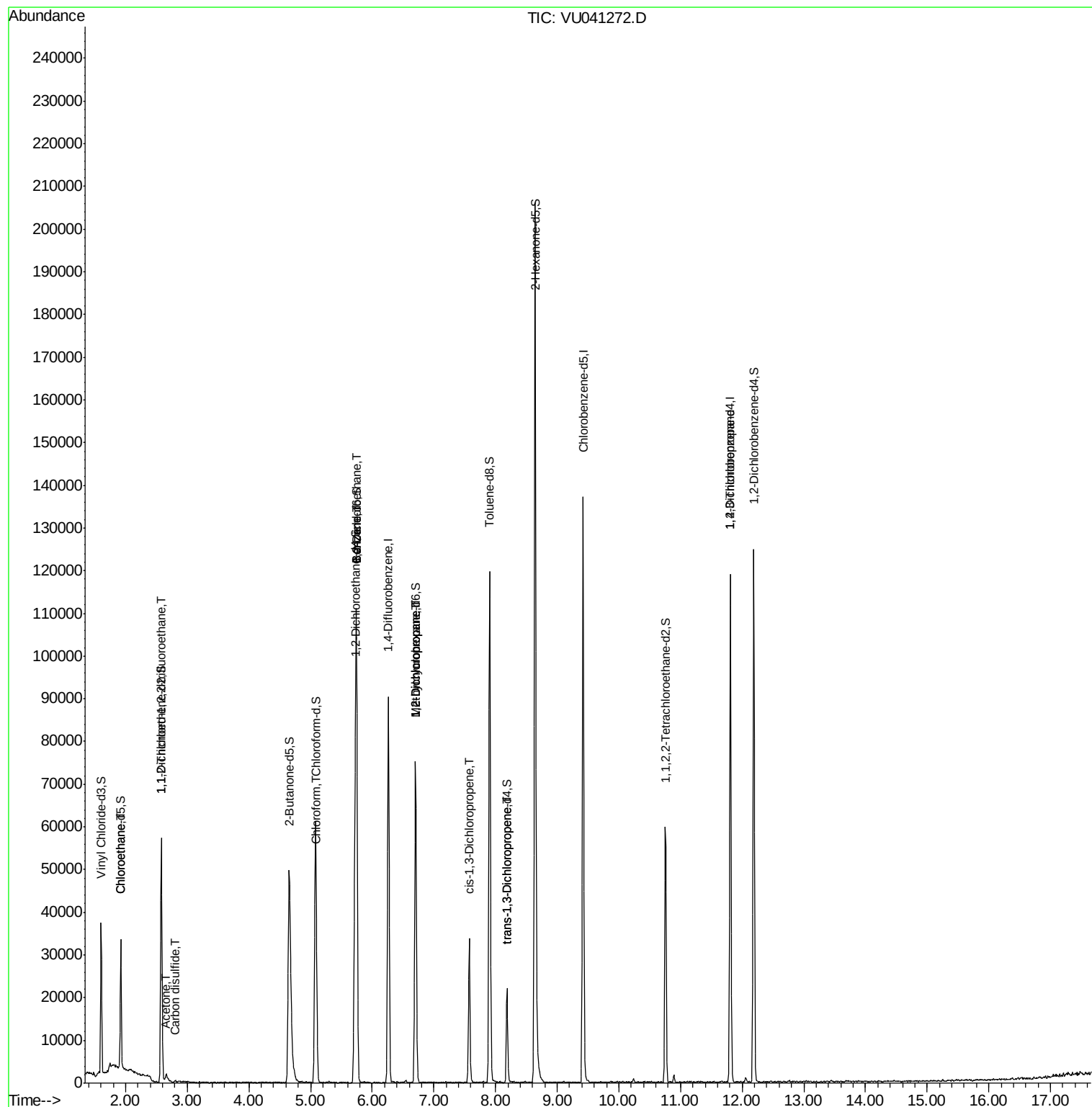
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.91	64	691	0.178	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	221	0.044	ug/L #	22
13) Acetone	2.66	43	3860	2.841	ug/L	88
14) Carbon disulfide	2.81	76	601	0.046	ug/L #	74
25) Chloroform	5.10	83	713	0.069	ug/L	94
27) 1,2-Dichloroethane	5.75	62	559	0.075	ug/L #	74
33) Benzene	5.74	78	729	0.038	ug/L	100
35) Methylcyclohexane	6.70	83	7660	1.110	ug/L #	13
37) 1,2-Dichloropropane	6.71	63	3868	0.688	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	720	0.092	ug/L #	38
44) trans-1,3-Dichloropropene	8.19	75	430	0.058	ug/L #	49
59) 1,2,3-Trichloropropane	11.81	75	3809	0.859	ug/L #	88

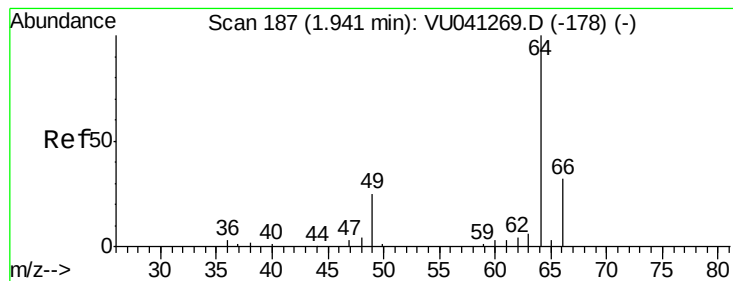
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.178 ug/L

RT: 1.91 min Scan# 178

Delta R.T. -0.03 min

Lab File: VU041272.D

Acq: 17 Nov 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

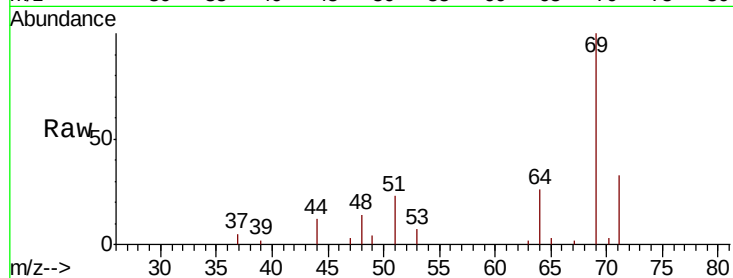
H4426

Tot Ion: 64 Resp: 691

Ion Ratio Lower Upper

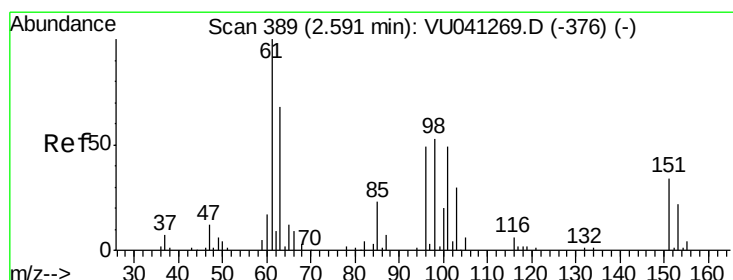
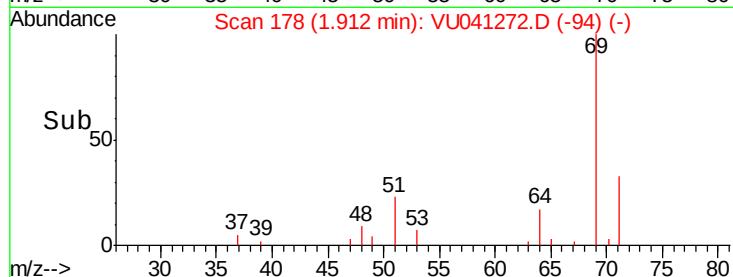
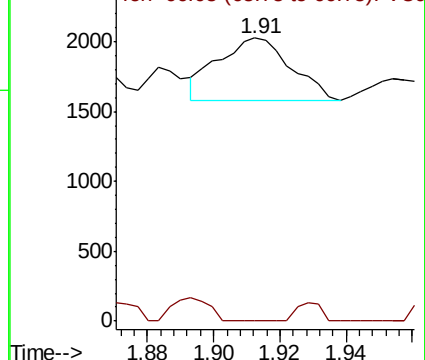
64 100

66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.044 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041272.D

Acq: 17 Nov 2020 11:44

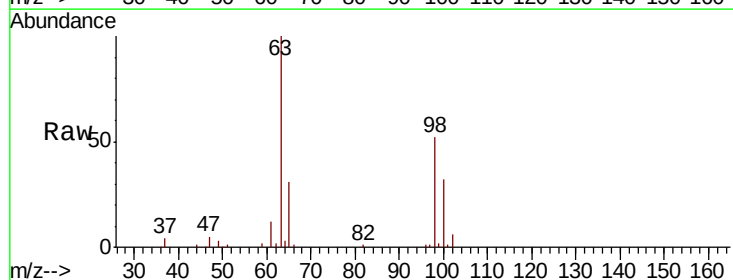
Tgt Ion: 101 Resp: 221

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

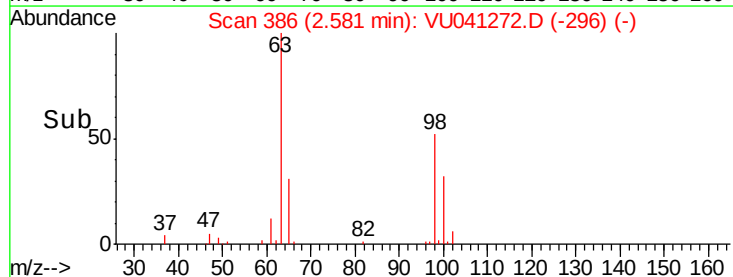
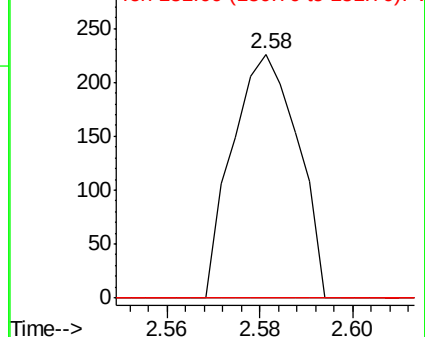
151 0.0 55.3 82.9#

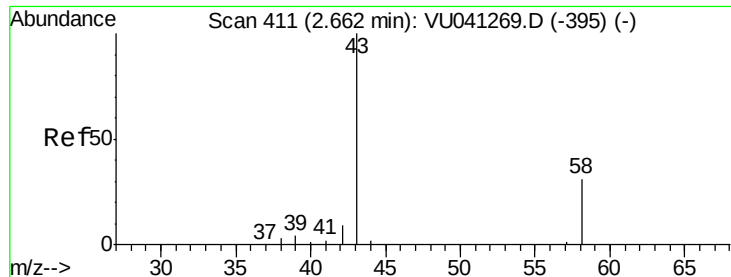


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 2.841 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU041272.D

Acq: 17 Nov 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

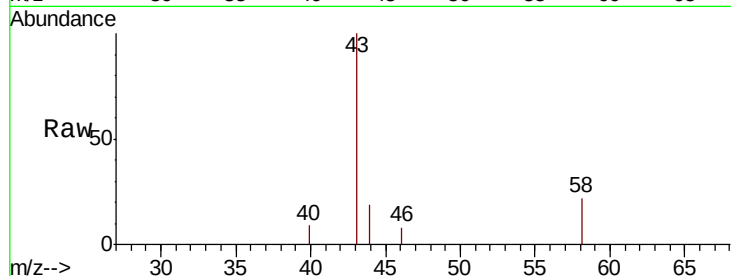
H4426

Tot Ion: 43 Resp: 3860

Ion Ratio Lower Upper

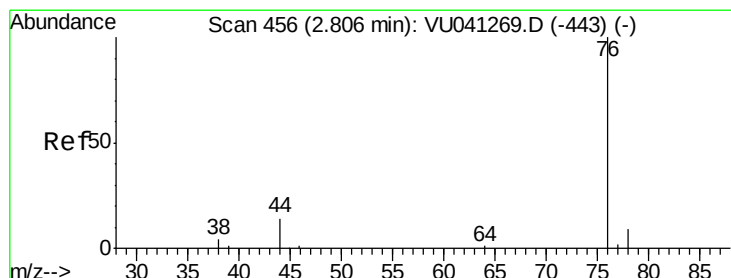
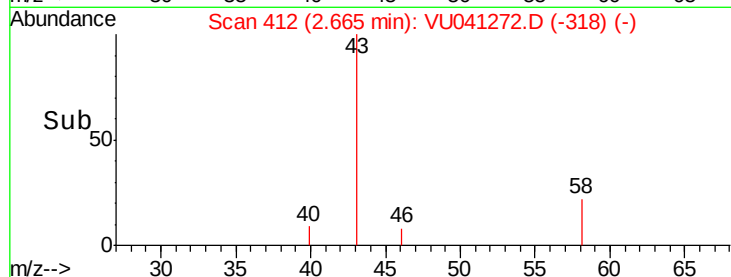
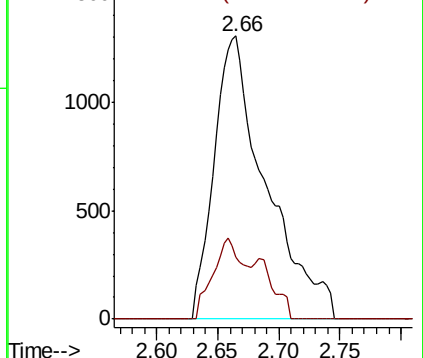
43 100

58 17.5 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041272.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU041272.D (-318) (-)



#14

Carbon disulfide

Concen: 0.046 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041272.D

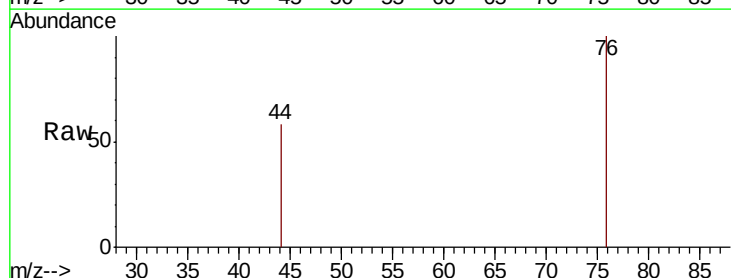
Acq: 17 Nov 2020 11:44

Tgt Ion: 76 Resp: 601

Ion Ratio Lower Upper

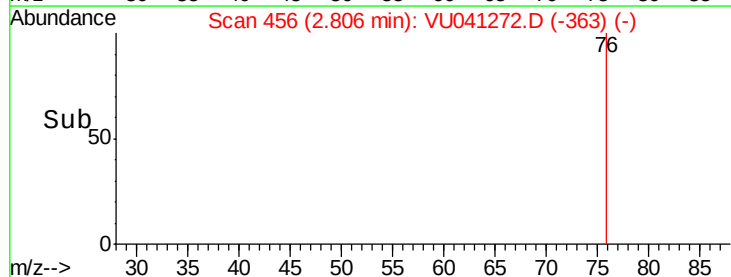
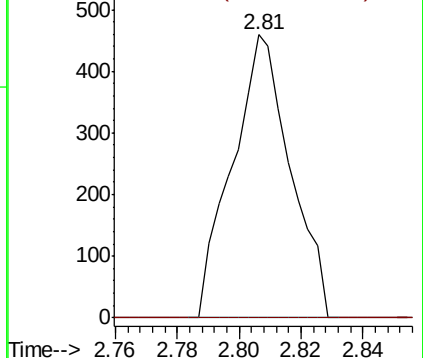
76 100

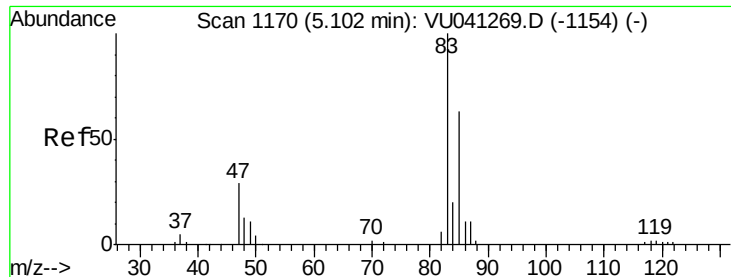
78 0.0 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU041272.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041272.D (-363) (-)

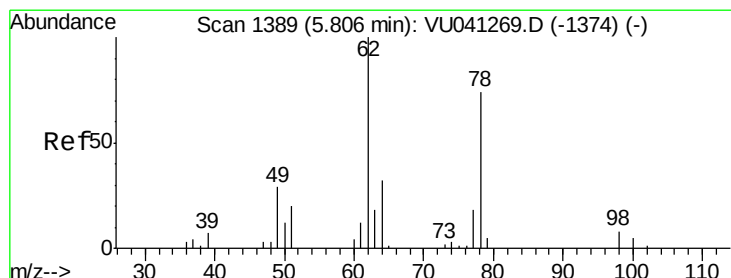
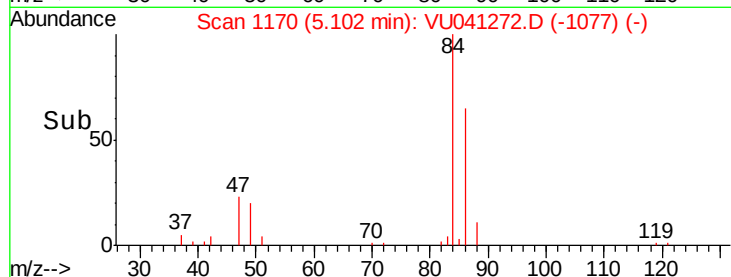
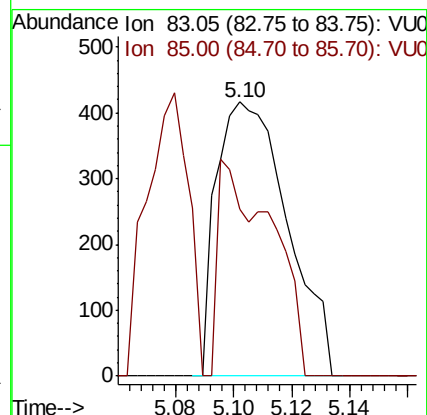
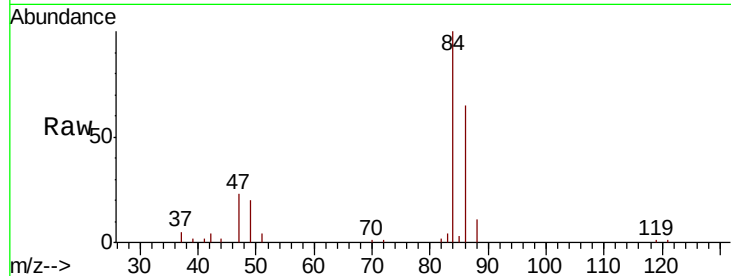




#25
Chloroform
Concen: 0.069 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041272.D
Acq: 17 Nov 2020 11:44

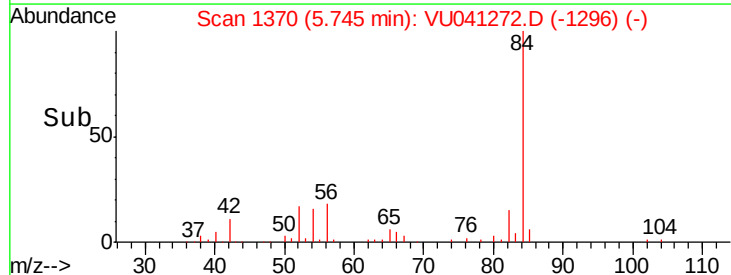
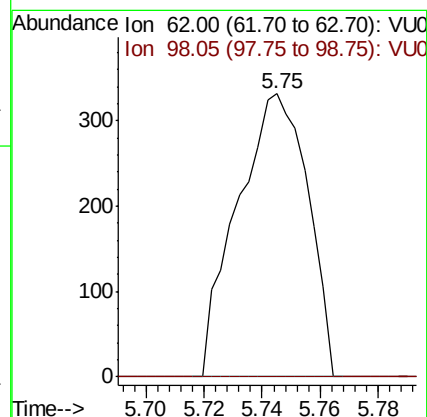
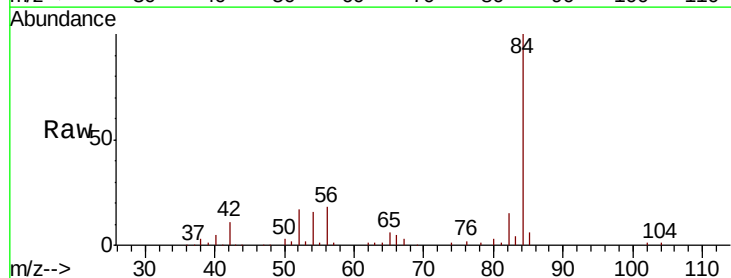
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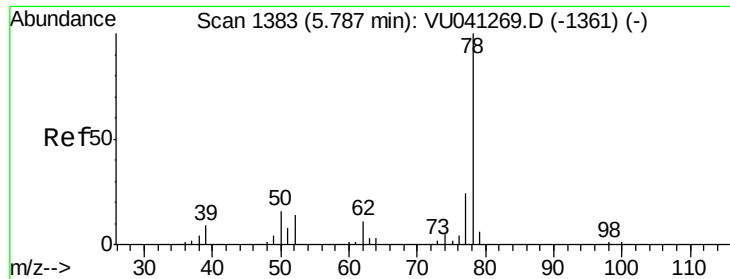
Tot Ion: 83 Resp: 713
Ion Ratio Lower Upper
83 100
85 61.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.075 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041272.D
Acq: 17 Nov 2020 11:44

Tgt Ion: 62 Resp: 559
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.038 ug/L

RT: 5.74 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VU041272.D

Acq: 17 Nov 2020 11:44

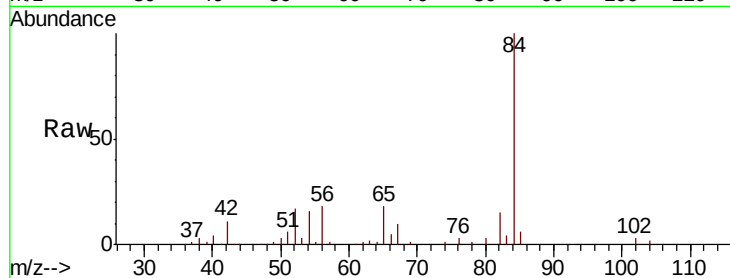
Instrument :

MSVOA_U

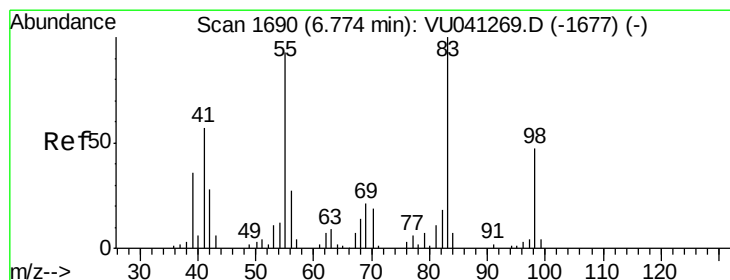
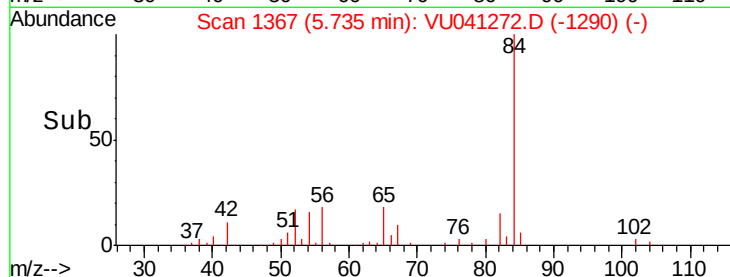
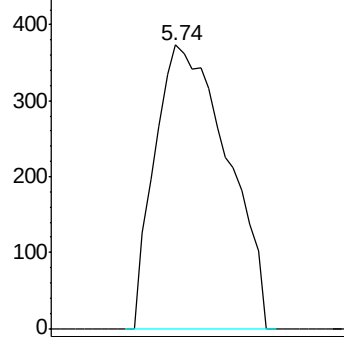
ClientSampled :

H4426

Tgt Ion: 78 Resp: 729



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 1.110 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041272.D

Acq: 17 Nov 2020 11:44

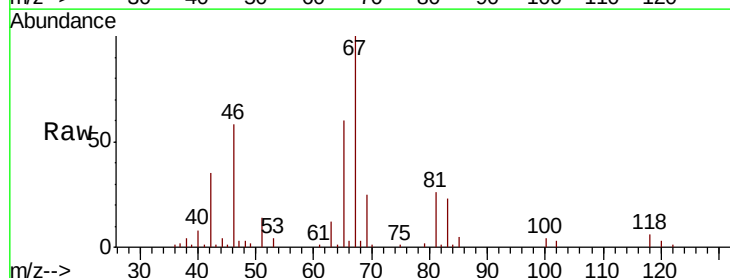
Tgt Ion: 83 Resp: 7660

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

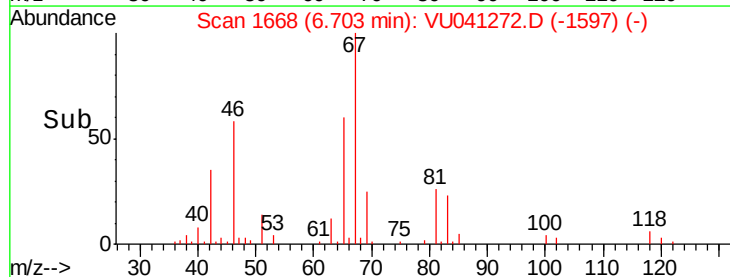
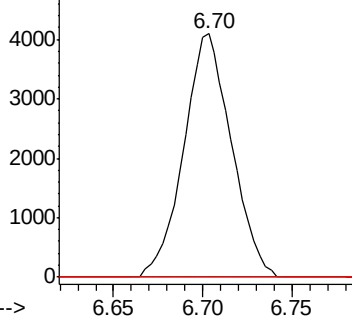
98 0.3 36.6 55.0#

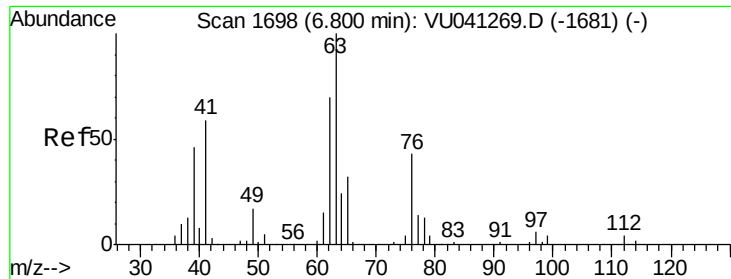


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

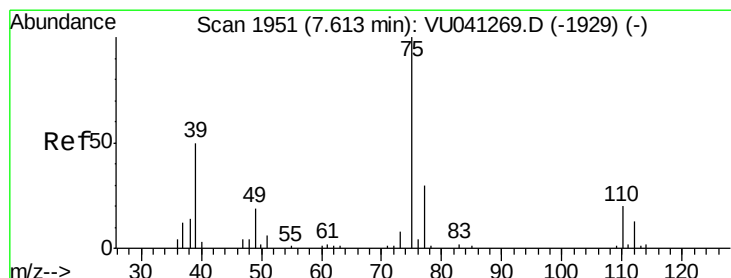
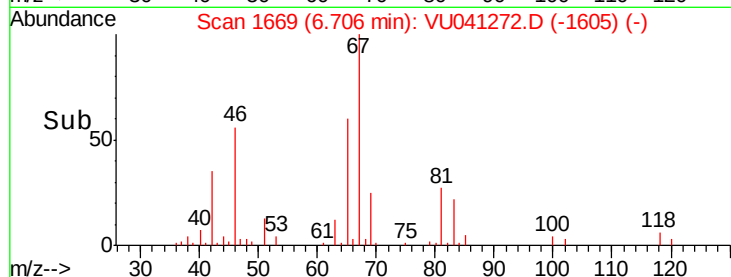
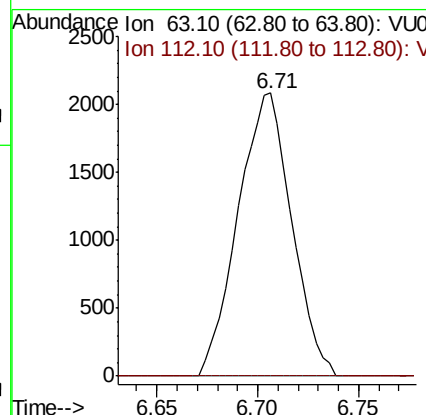
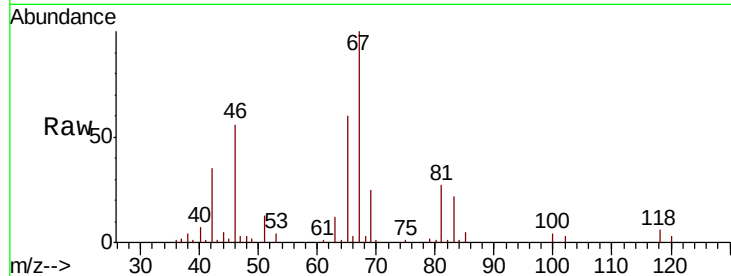




#37
 1,2-Dichloropropane
 Concen: 0.688 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU041272.D
 Acq: 17 Nov 2020 11:44

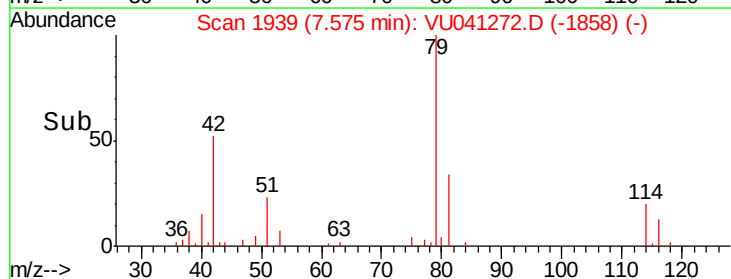
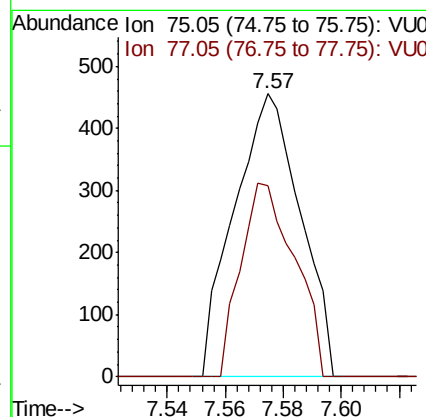
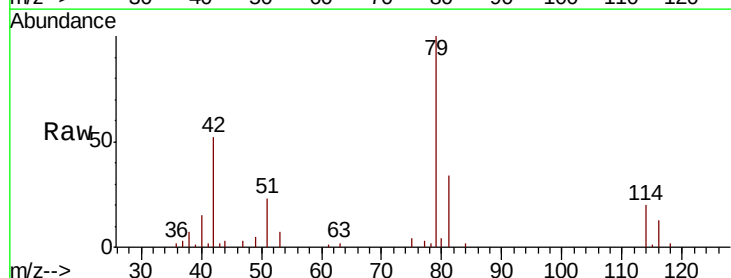
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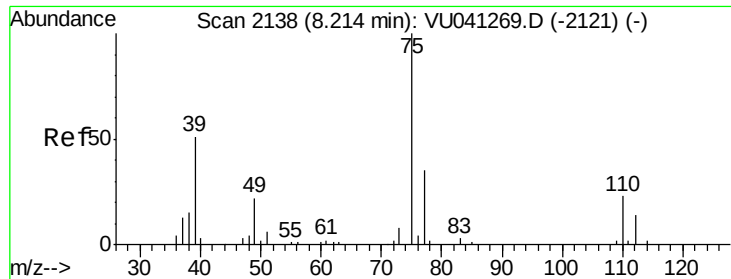
Tot Ion: 63 Resp: 3868
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041272.D
 Acq: 17 Nov 2020 11:44

Tgt Ion: 75 Resp: 720
 Ion Ratio Lower Upper
 75 100
 77 67.5 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.058 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041272.D

Acq: 17 Nov 2020 11:44

Instrument :

MSVOA_U

ClientSampleId :

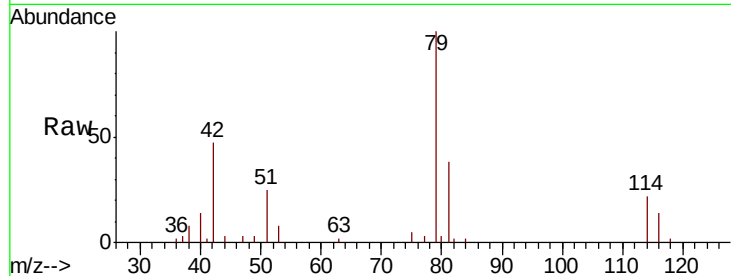
H4426

Tot Ion: 75 Resp: 430

Ion Ratio Lower Upper

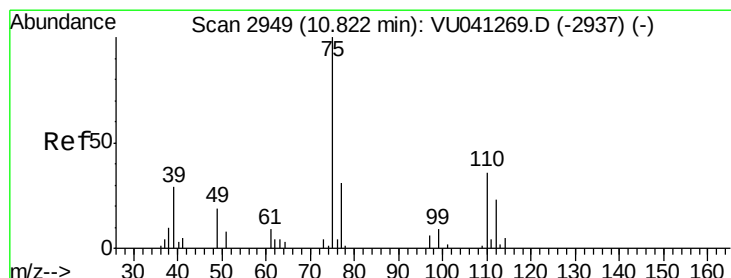
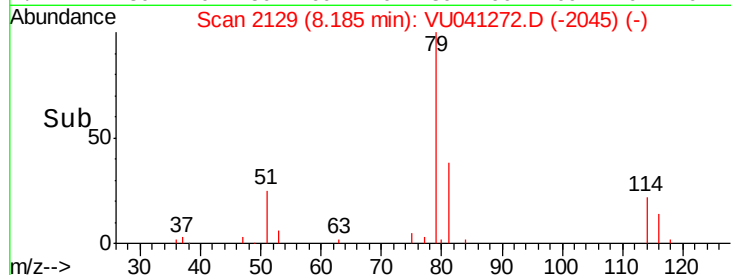
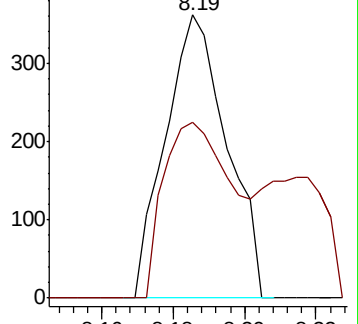
75 100

77 62.2 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 0.859 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041272.D

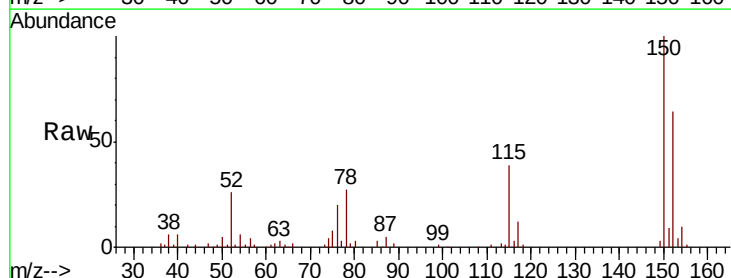
Acq: 17 Nov 2020 11:44

Tgt Ion: 75 Resp: 3809

Ion Ratio Lower Upper

75 100

77 38.7 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

