

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\
 Data File : VU040787.D
 Acq On : 18 Oct 2020 01:27
 Operator : SY/MD
 Sample : L4354-19
 Misc : 25.4mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ38

Quant Time: Oct 19 03:12:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 03:08:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119023	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124675	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49300	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31502	3.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.80%
7) Chloroethane-d5	1.93	69	32696	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.58	63	54086	2.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.20%#
20) 2-Butanone-d5	4.66	46	176063	55.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.58%
24) Chloroform-d	5.08	84	77842	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.72	65	52955	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.74	84	143246	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.70	67	51340	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.91	98	107529	3.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.40%
43) trans-1,3-Dichloropropene-	8.19	79	18073	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
46) 2-Hexanone-d5	8.64	63	116633	47.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48414	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	46883	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

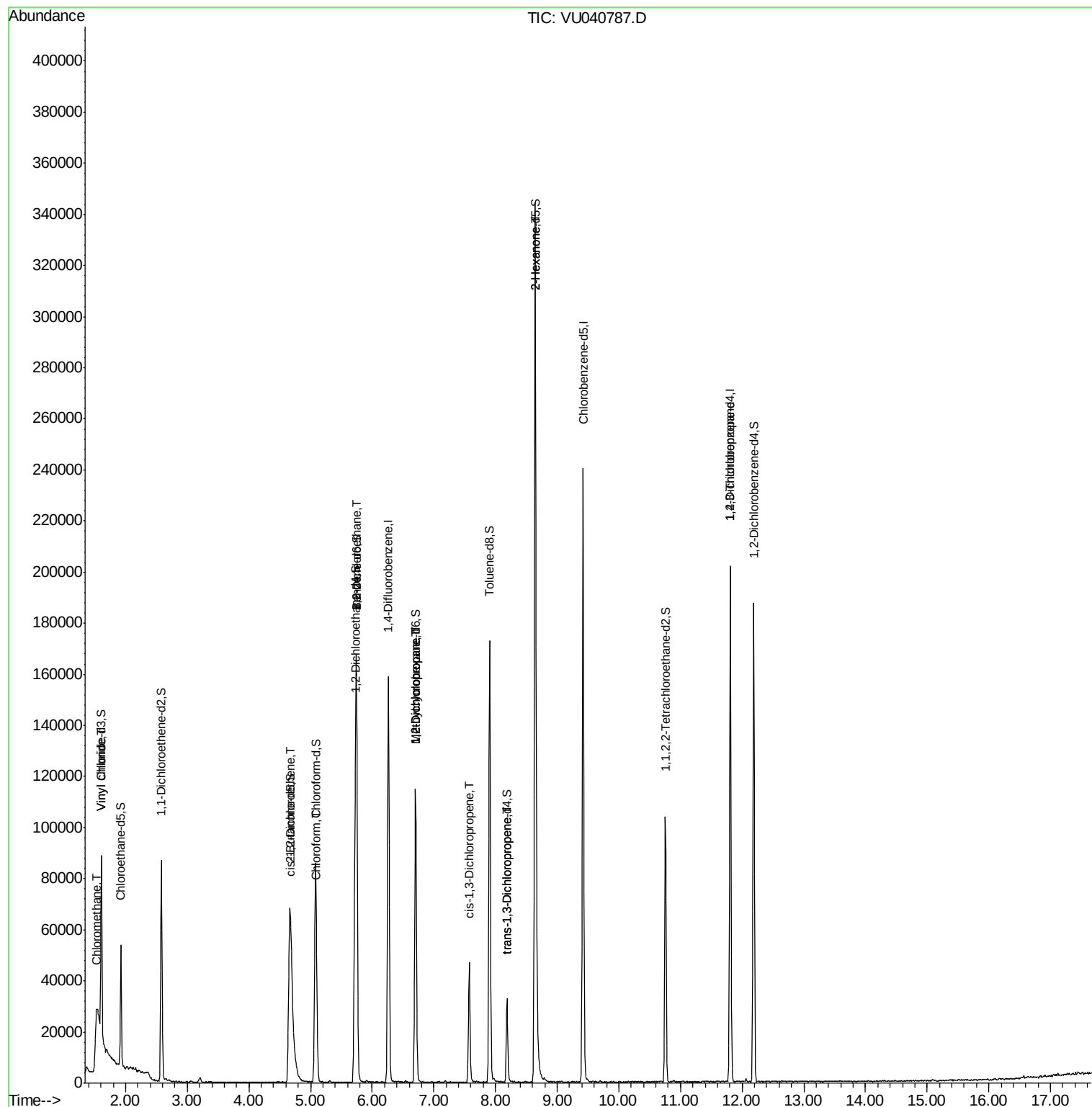
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1681	0.167	ug/L #	79
5) Vinyl chloride	1.61	62	16904	1.592	ug/L #	1
22) cis-1,2-Dichloroethene	4.69	96	2174	0.227	ug/L	90
25) Chloroform	5.11	83	4068	0.217	ug/L	84
27) 1,2-Dichloroethane	5.74	62	1078	0.081	ug/L #	77
35) Methylcyclohexane	6.70	83	12348	0.839	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5818	0.521	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1364	0.089	ug/L #	61
44) trans-1,3-Dichloropropene	8.19	75	810	0.058	ug/L	85
48) 2-Hexanone	8.64	43	18945	2.860	ug/L #	73
59) 1,2,3-Trichloropropane	11.81	75	6907	0.843	ug/L	99

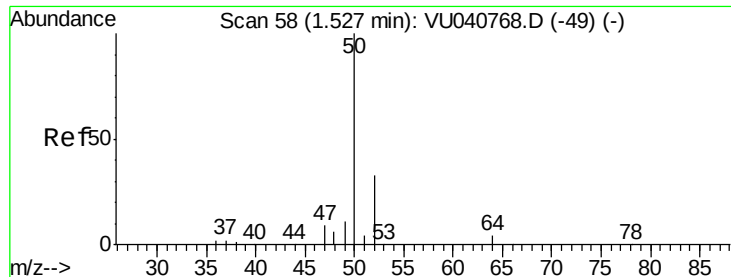
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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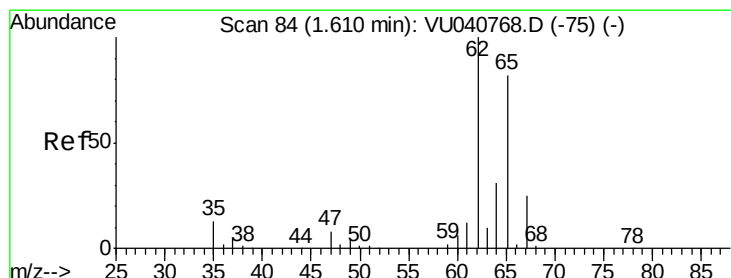
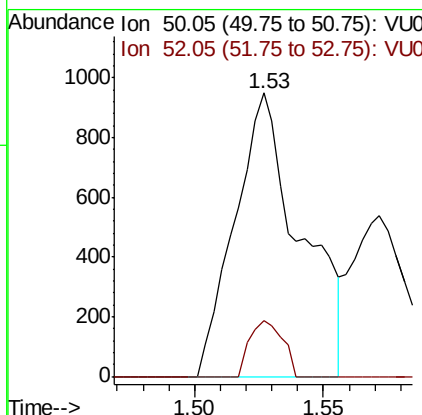
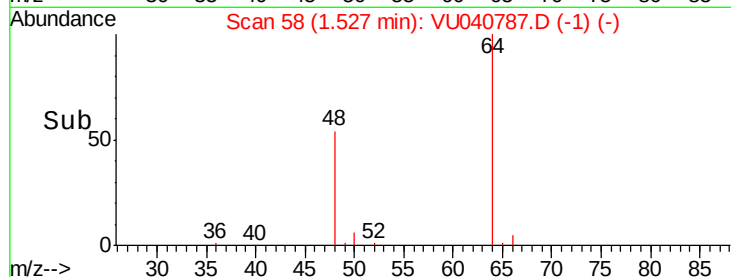
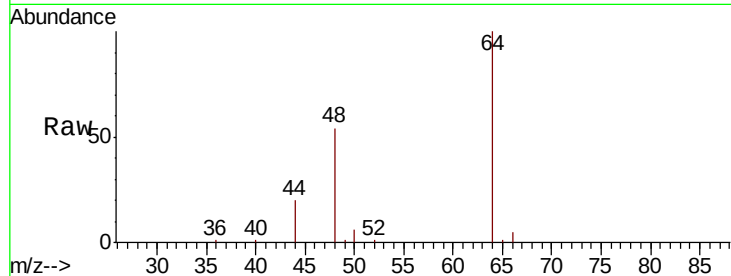




#3
Chloromethane
Concen: 0.167 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU040787.D
Acq: 18 Oct 2020 01:27

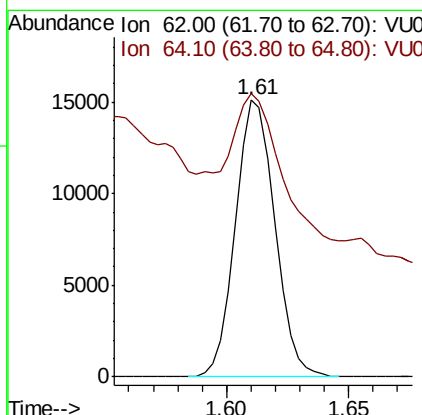
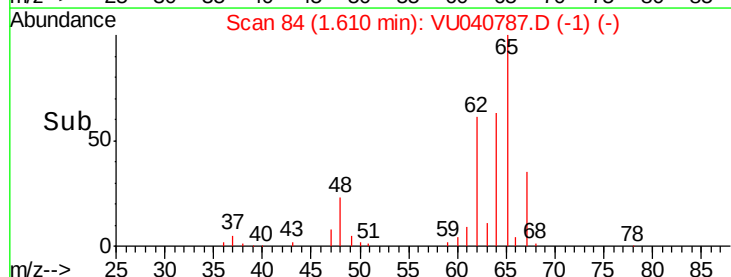
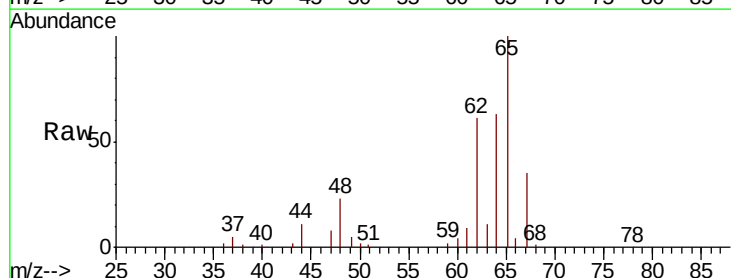
Instrument :
MSVOA_U
ClientSampled :
ETZ38

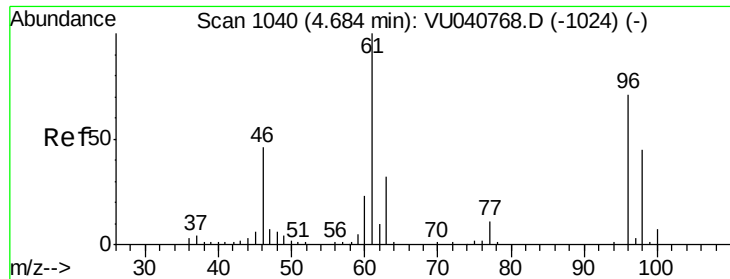
Tot Ion: 50 Resp: 1681
Ion Ratio Lower Upper
50 100
52 19.5 21.9 40.7#



#5
Vinyl chloride
Concen: 1.592 ug/L
RT: 1.61 min Scan# 84
Delta R.T. 0.00 min
Lab File: VU040787.D
Acq: 18 Oct 2020 01:27

Tgt Ion: 62 Resp: 16904
Ion Ratio Lower Upper
62 100
64 102.0 23.7 44.1#





#22

cis-1,2-Dichloroethene

Concen: 0.227 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040787.D

Acq: 18 Oct 2020 01:27

Instrument :

MSVOA_U

ClientSampleId :

ETZ38

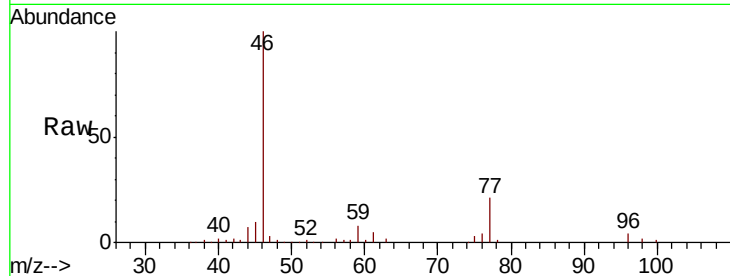
Tot Ion: 96 Resp: 2174

Ion Ratio Lower Upper

96 100

61 130.2 99.8 185.4

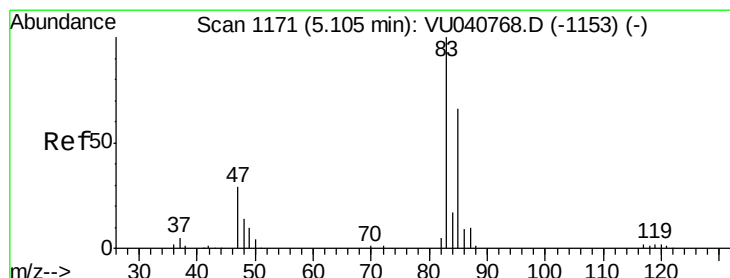
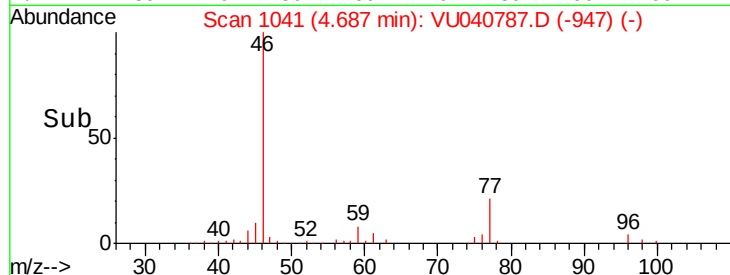
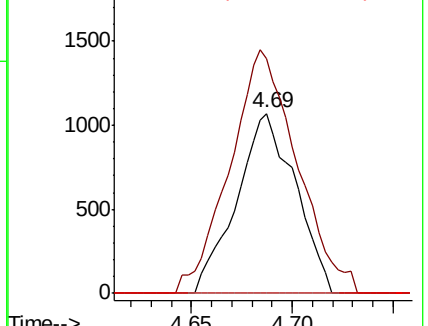
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040768.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU040768.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU040768.D (-1024) (-)



#25

Chloroform

Concen: 0.217 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040787.D

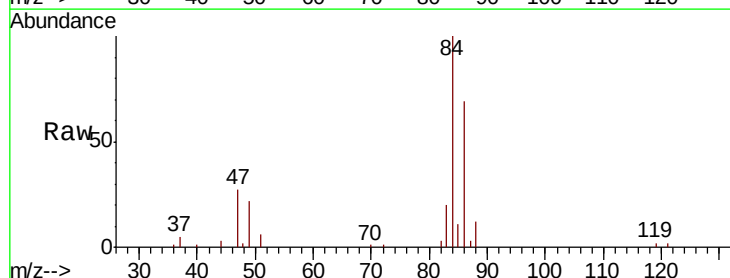
Acq: 18 Oct 2020 01:27

Tgt Ion: 83 Resp: 4068

Ion Ratio Lower Upper

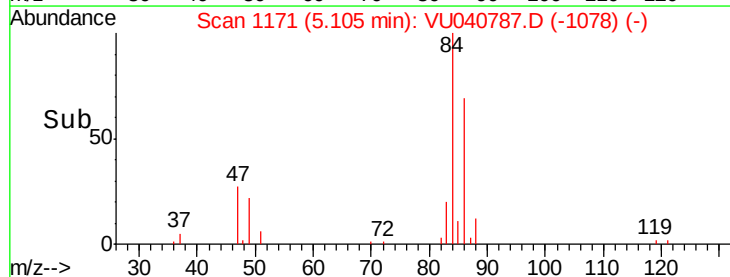
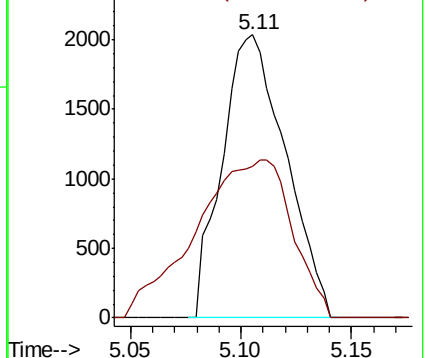
83 100

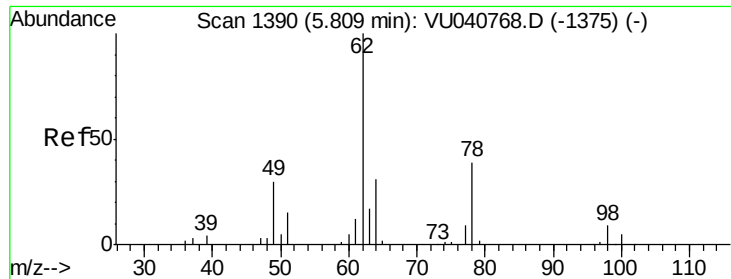
85 53.7 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040768.D (-1153) (-)

Ion 85.00 (84.70 to 85.70): VU040768.D (-1153) (-)

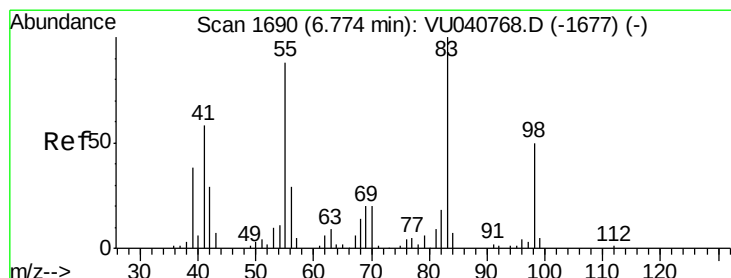
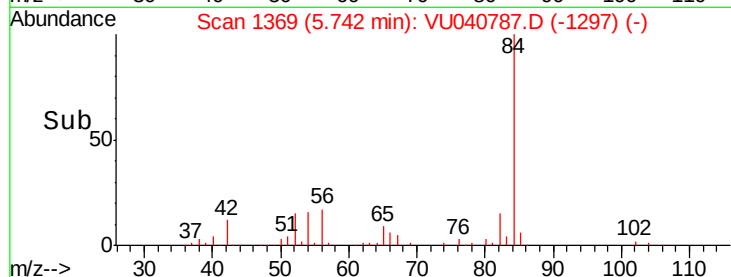
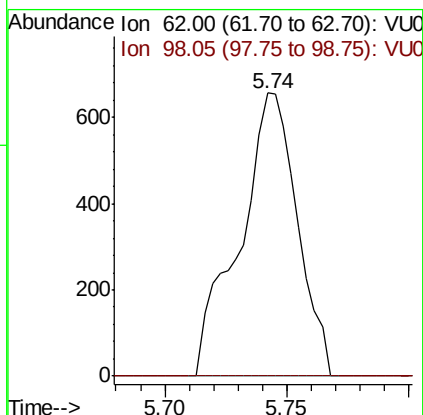
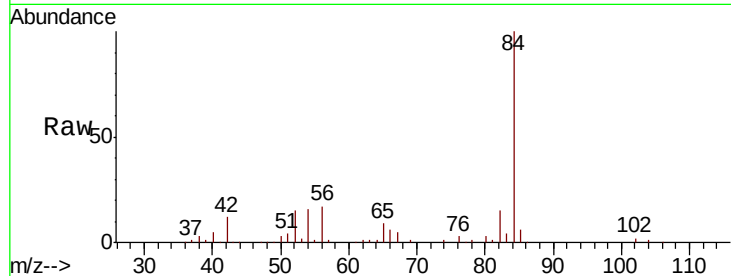




#27
 1,2-Dichloroethane
 Concen: 0.081 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.07 min
 Lab File: VU040787.D
 Acq: 18 Oct 2020 01:27

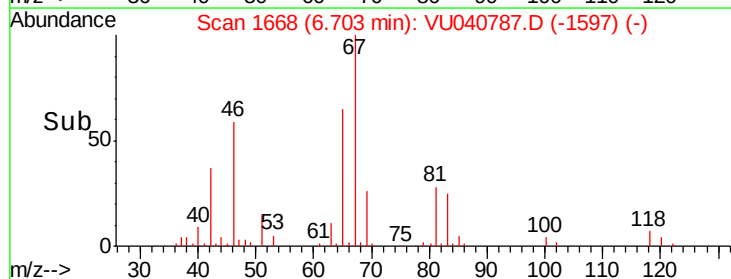
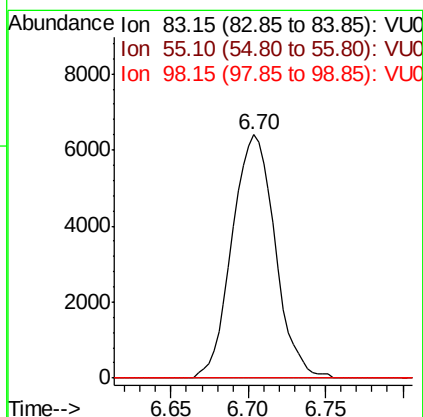
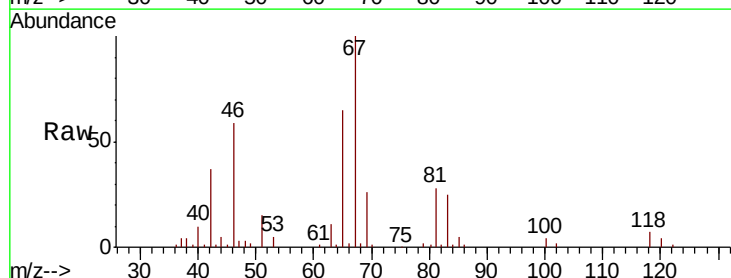
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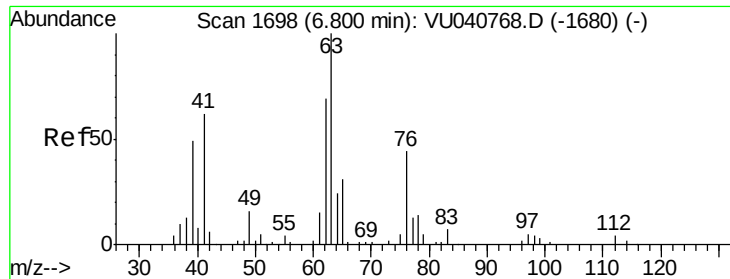
Tot Ion: 62 Resp: 1078
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#35
 Methylcyclohexane
 Concen: 0.839 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040787.D
 Acq: 18 Oct 2020 01:27

Tgt Ion: 83 Resp: 12348
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.7 106.1#
 98 0.0 38.4 57.6#

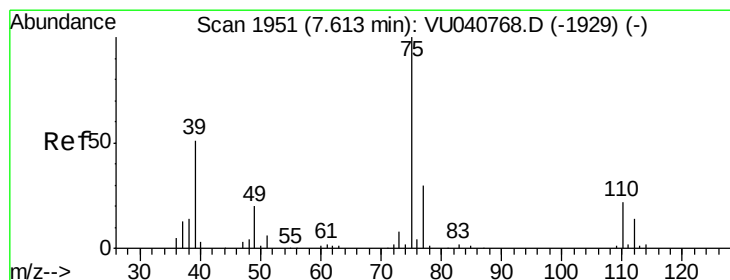
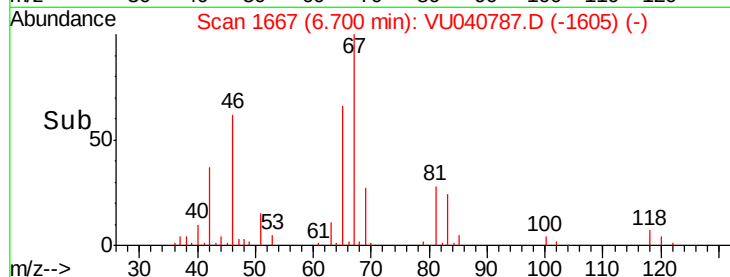
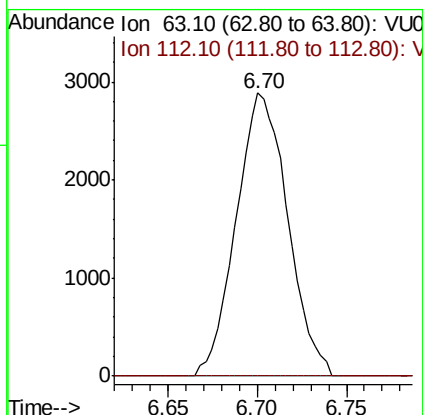
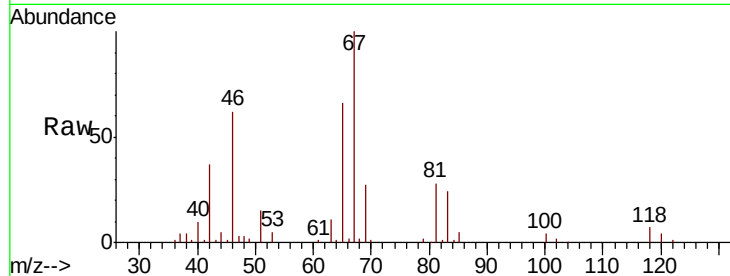




#37
 1,2-Dichloropropane
 Concen: 0.521 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040787.D
 Acq: 18 Oct 2020 01:27

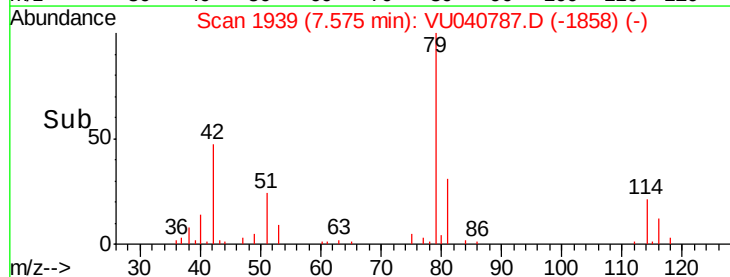
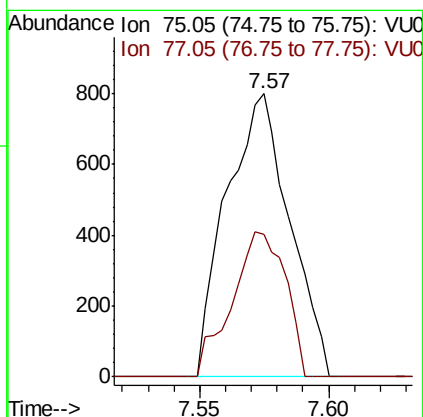
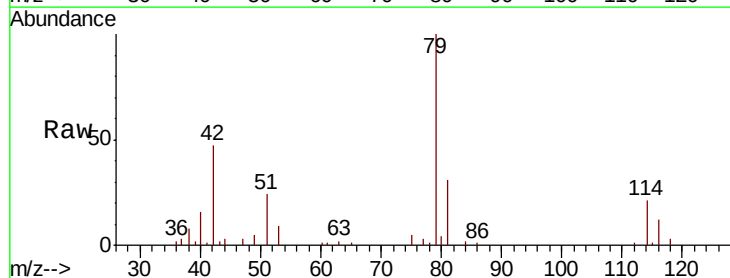
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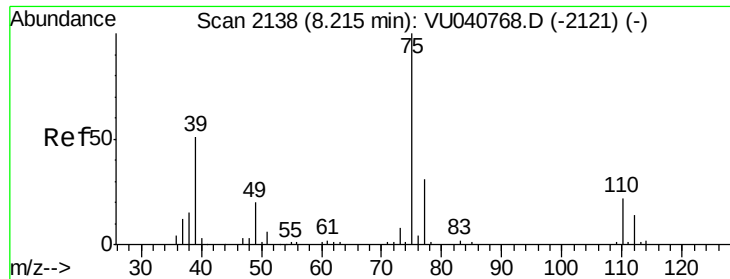
Tot Ion: 63 Resp: 5818
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.089 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040787.D
 Acq: 18 Oct 2020 01:27

Tgt Ion: 75 Resp: 1364
 Ion Ratio Lower Upper
 75 100
 77 50.3 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.058 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040787.D

Acq: 18 Oct 2020 01:27

Instrument :

MSVOA_U

ClientSampled :

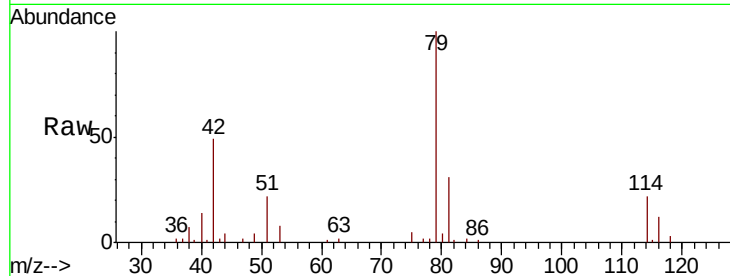
ETZ38

Tot Ion: 75 Resp: 810

Ion Ratio Lower Upper

75 100

77 37.5 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

600

500

400

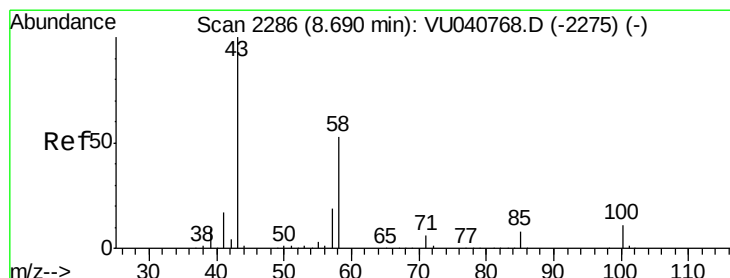
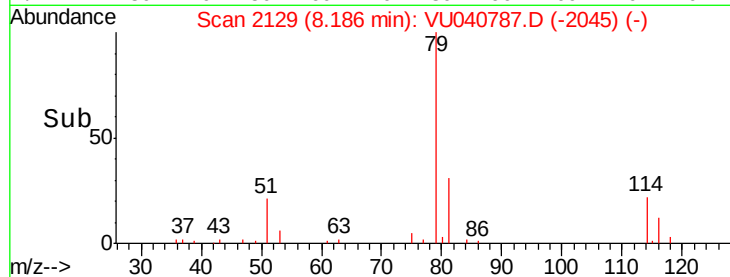
300

200

100

0

Time--> 8.14 8.16 8.18 8.20 8.22



#48

2-Hexanone

Concen: 2.860 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040787.D

Acq: 18 Oct 2020 01:27

Tgt Ion: 43 Resp: 18945

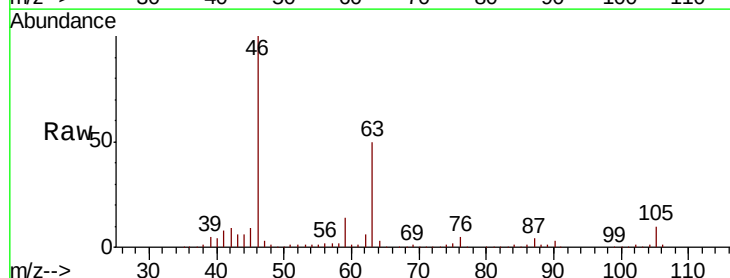
Ion Ratio Lower Upper

43 100

58 32.6 41.0 61.6#

57 31.2 14.4 21.6#

100 1.8 8.6 13.0#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

8.64

12000

10000

8000

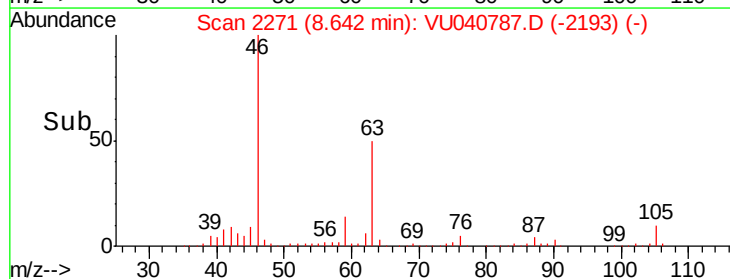
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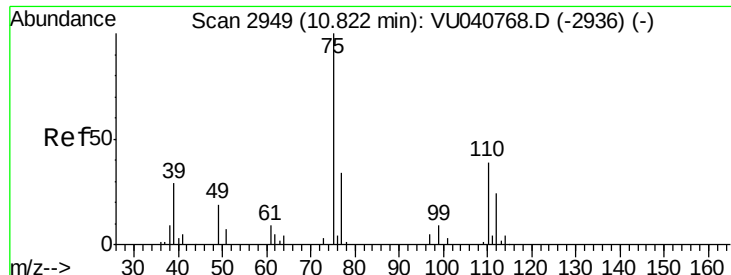
4000

2000

0

Time--> 8.60 8.70 8.80





#59

1,2,3-Trichloropropane

Concen: 0.843 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040787.D

Acq: 18 Oct 2020 01:27

Instrument :

MSVOA_U

ClientSampleId :

ETZ38

Tot Ion: 75 Resp: 6907

Ion Ratio Lower Upper

75 100

77 33.7 26.4 39.6

