

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091420\
 Data File : VU040121.D
 Acq On : 14 Sep 2020 15:38
 Operator : SY/MD
 Sample : L3945-19
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFST1

Quant Time: Sep 15 02:14:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 15 01:48:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	111296	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	112022	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49900	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29204	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.92	69	26010	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.58	63	49498	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.66	46	107683	44.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.60%
24) Chloroform-d	5.09	84	59637	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.72	65	38139	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.74	84	114461	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.70	67	37015	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.90	98	92944	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.60%
43) trans-1,3-Dichloropropene-	8.19	79	14622	3.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.80%
46) 2-Hexanone-d5	8.64	63	74928	39.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	32332	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	36882	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

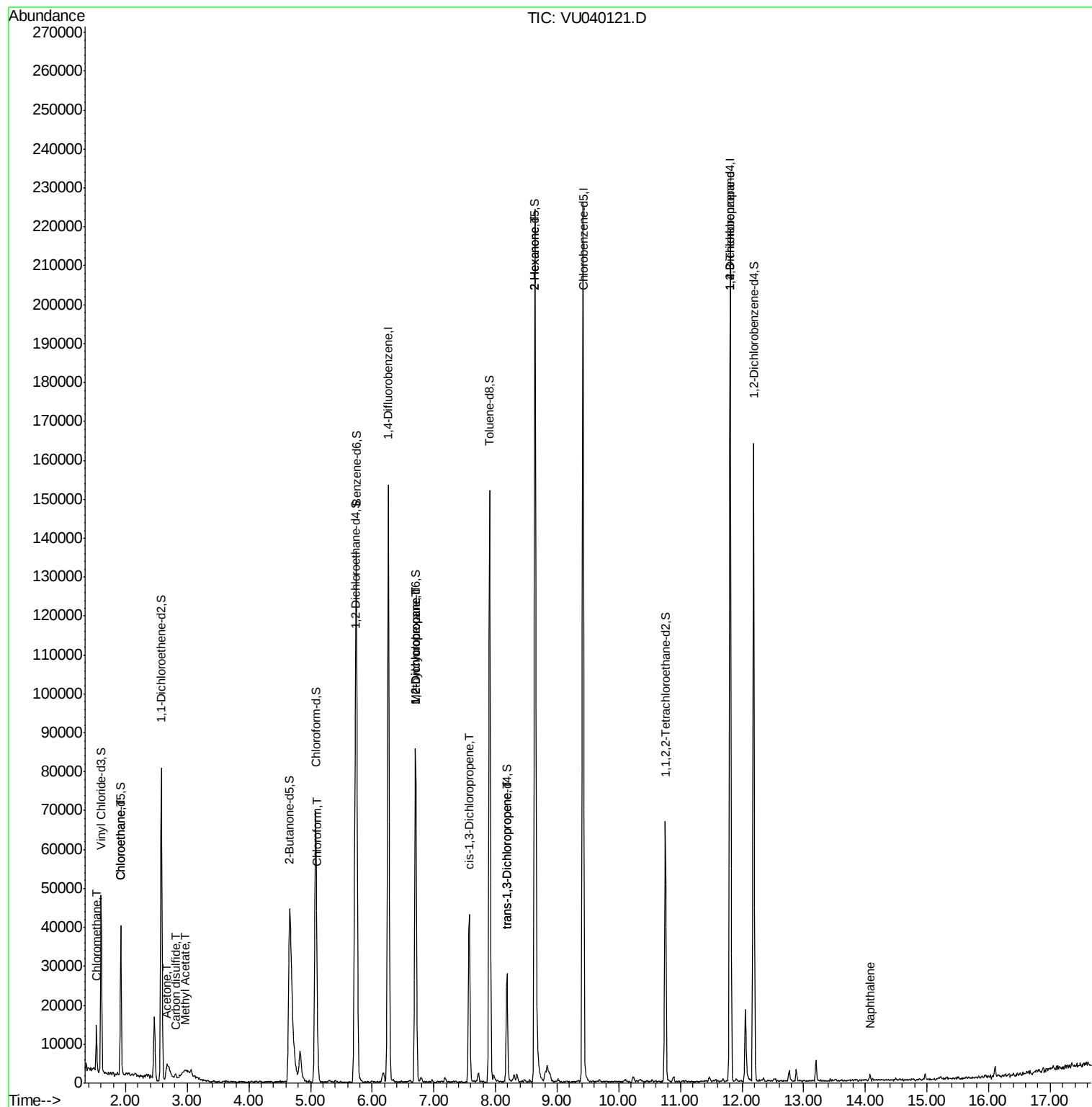
					Ovalue
3) Chloromethane	1.53	50	7790	0.737 ug/L	90
8) Chloroethane	1.93	64	366	0.057 ug/L #	72
13) Acetone	2.67	43	6613	2.939 ug/L	98
14) Carbon disulfide	2.81	76	1561	0.057 ug/L #	75
15) Methyl Acetate	2.97	43	805	0.143 ug/L #	54
25) Chloroform	5.11	83	7393	0.379 ug/L	100
35) Methylcyclohexane	6.70	83	9162	0.557 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	4227	0.390 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1183	0.074 ug/L #	47
44) trans-1,3-Dichloropropene	8.19	75	737	0.050 ug/L #	74
48) 2-Hexanone	8.64	43	11056	1.702 ug/L #	74
59) 1,2,3-Trichloropropane	11.81	75	7056	0.878 ug/L #	77
69) Naphthalene	14.08	128	1489	0.065 ug/L #	84

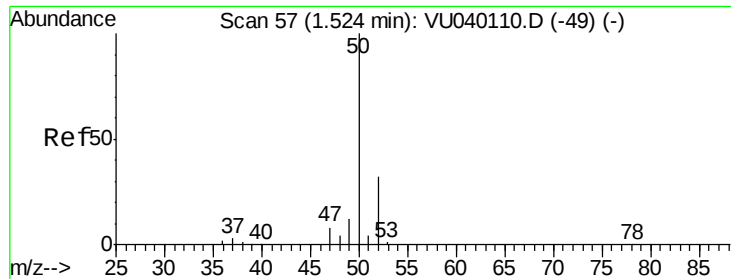
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.737 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040121.D

Acq: 14 Sep 2020 15:38

Instrument :

MSVOA_U

ClientSampleId :

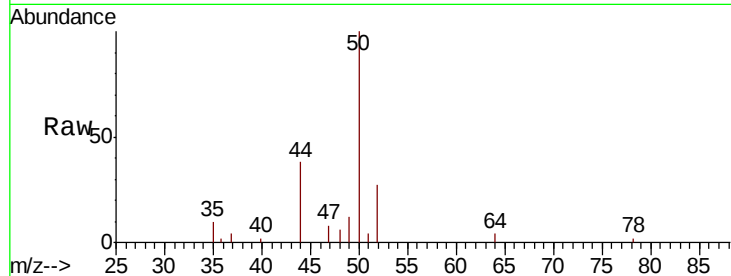
BFST1

Tot Ion: 50 Resp: 7790

Ion Ratio Lower Upper

50 100

52 26.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040110.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040110.D (-49) (-)

1.53

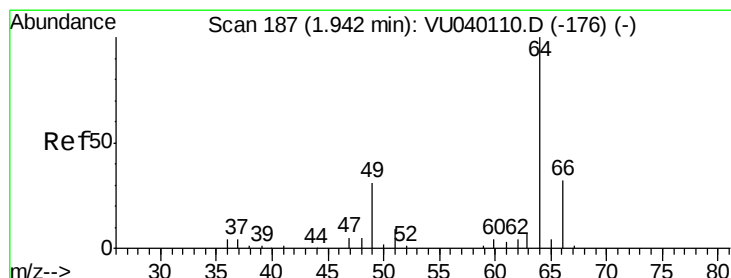
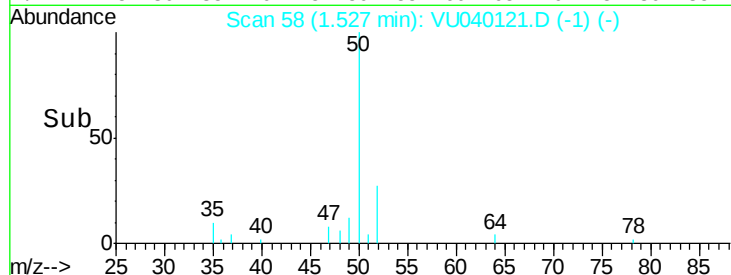
6000

4000

2000

0

Time-->



#8

Chloroethane

Concen: 0.057 ug/L

RT: 1.93 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU040121.D

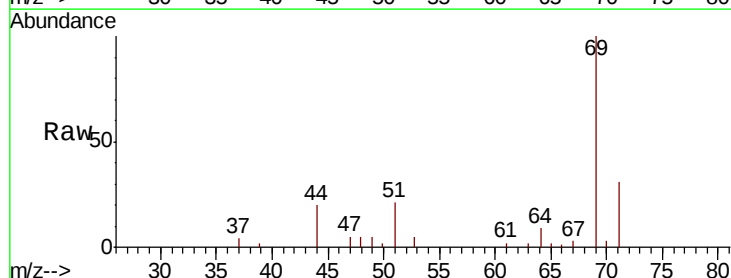
Acq: 14 Sep 2020 15:38

Tgt Ion: 64 Resp: 366

Ion Ratio Lower Upper

64 100

66 16.5 22.7 42.1#



Abundance Ion 64.10 (63.80 to 64.80): VU040110.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU040110.D (-176) (-)

1.93

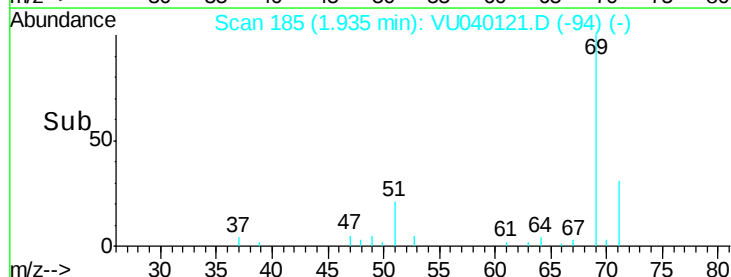
600

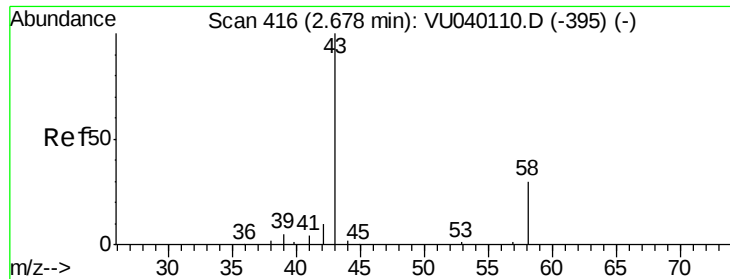
400

200

0

Time-->





#13

Acetone

Concen: 2.939 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU040121.D

Acq: 14 Sep 2020 15:38

Instrument :

MSVOA_U

ClientSampleId :

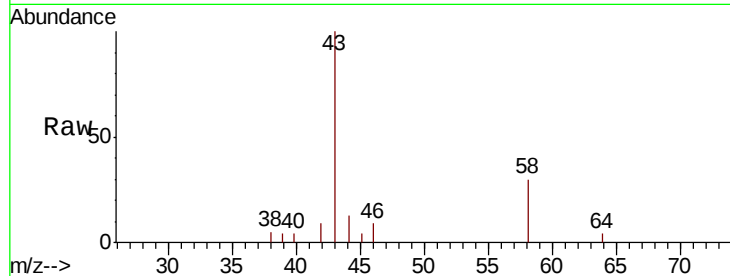
BFST1

Tot Ion: 43 Resp: 6613

Ion Ratio Lower Upper

43 100

58 28.9 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU040121.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU040121.D (-323) (-)

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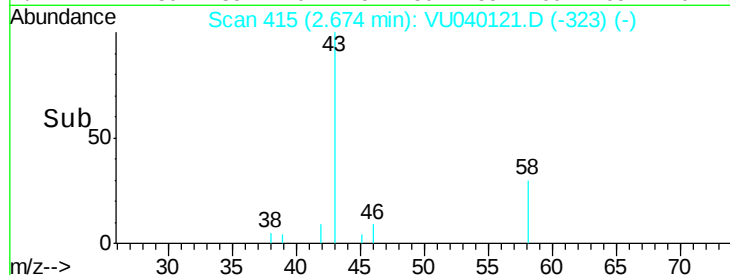
2.67

2.67

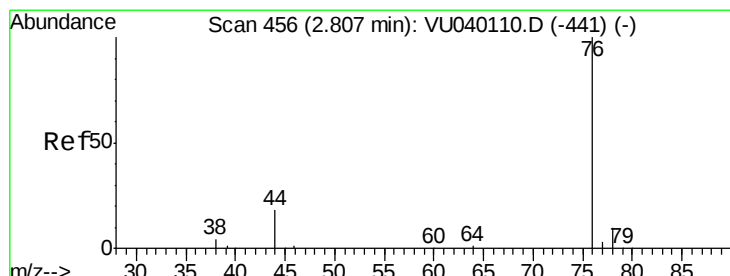
2.67

2.67

2.67



Time-->



#14

Carbon disulfide

Concen: 0.057 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040121.D

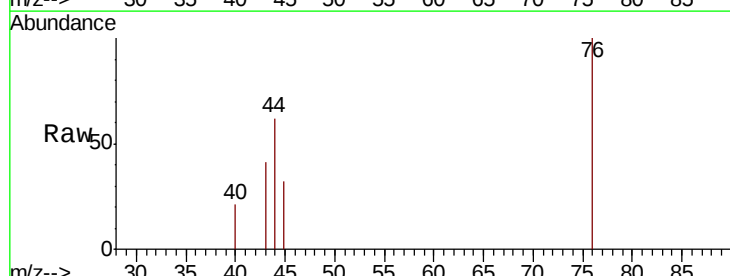
Acq: 14 Sep 2020 15:38

Tgt Ion: 76 Resp: 1561

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU040121.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040121.D (-363) (-)

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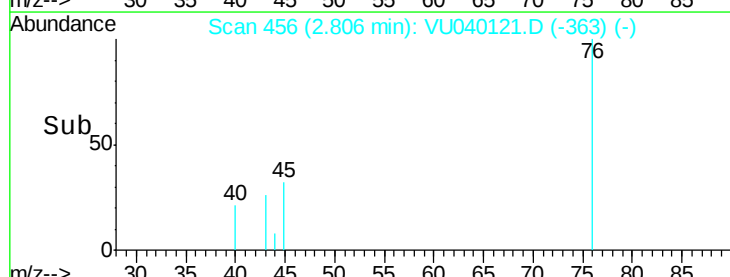
2.81

2.81

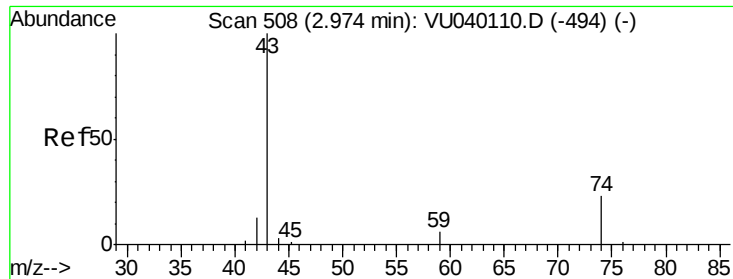
2.81

2.81

2.81



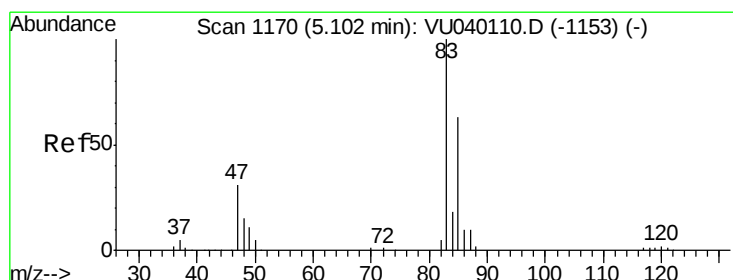
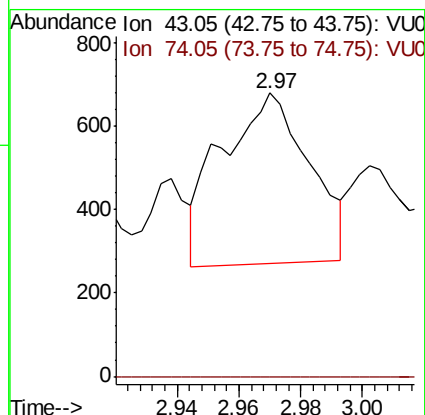
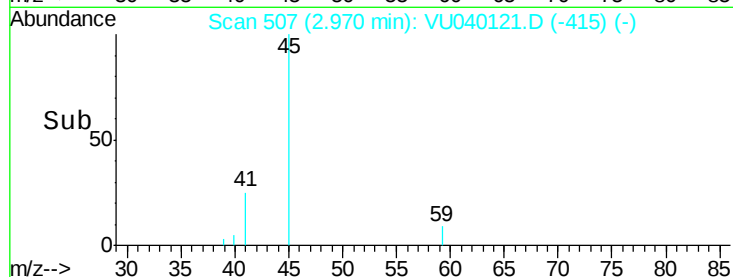
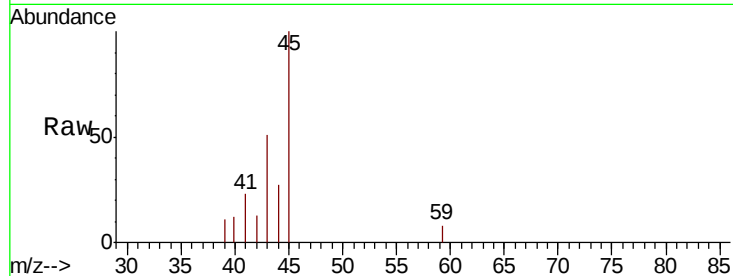
Time-->



#15
Methvl Acetate
Concen: 0.143 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU040121.D
Acq: 14 Sep 2020 15:38

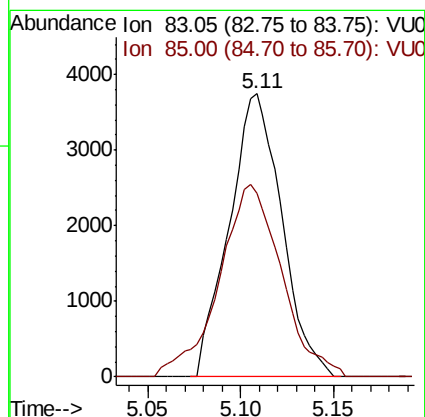
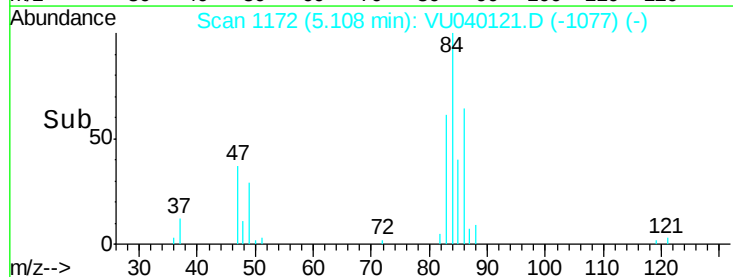
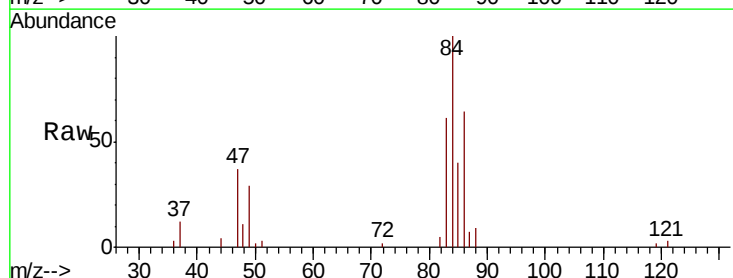
Instrument :
MSVOA_U
ClientSampleId :
BFST1

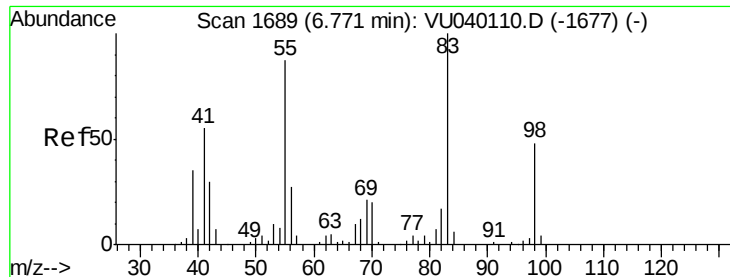
Tot Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#25
Chloroform
Concen: 0.379 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040121.D
Acq: 14 Sep 2020 15:38

Tgt Ion: 83 Resp: 7393
Ion Ratio Lower Upper
83 100
85 64.9 45.3 84.1

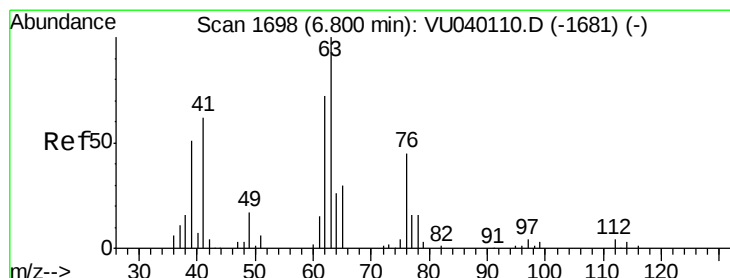
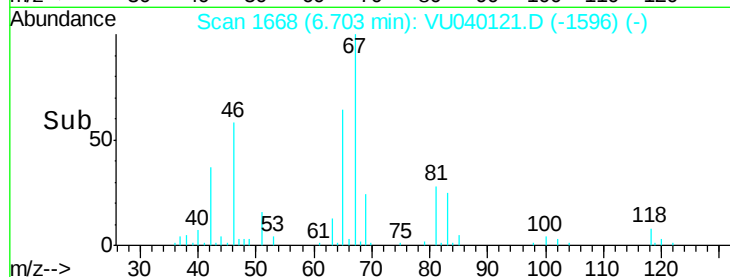
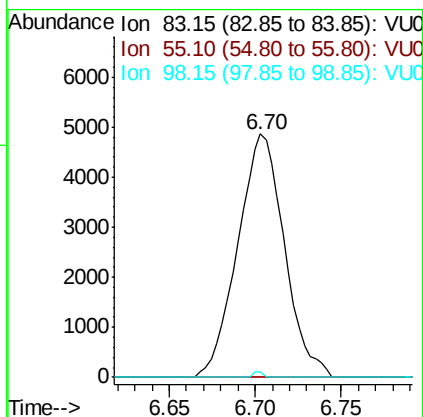
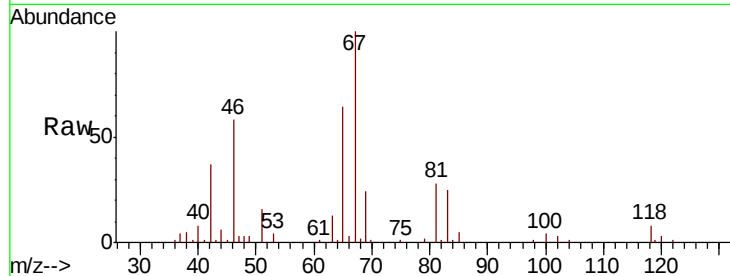




#35
Methvlcvclohexane
Concen: 0.557 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040121.D
Acq: 14 Sep 2020 15:38

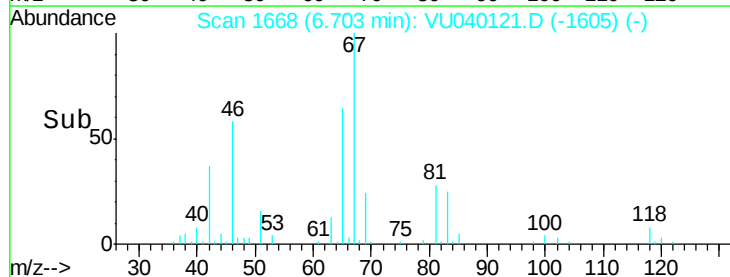
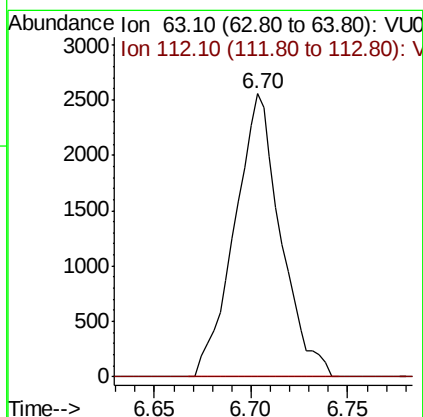
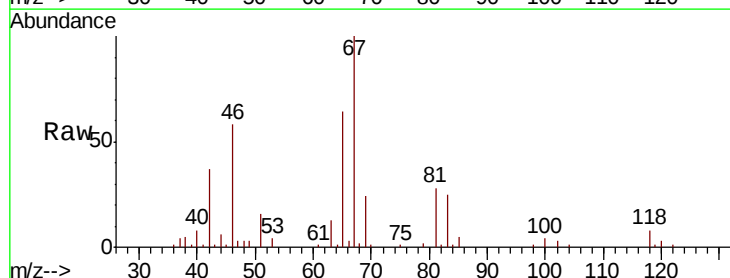
Instrument :
MSVOA_U
ClientSampleId :
BFST1

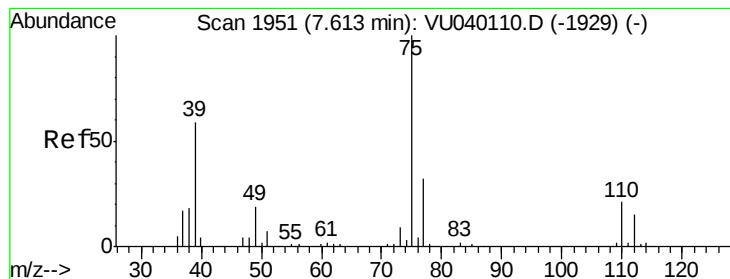
Tot Ion: 83 Resp: 9162
Ion Ratio Lower Upper
83 100
55 0.0 70.5 105.7#
98 0.5 37.8 56.6#



#37
1,2-Dichloropropane
Concen: 0.390 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040121.D
Acq: 14 Sep 2020 15:38

Tgt Ion: 63 Resp: 4227
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040121.D

Acq: 14 Sep 2020 15:38

Instrument :

MSVOA_U

ClientSampleId :

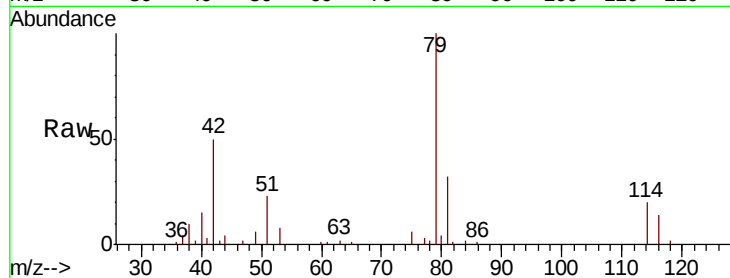
BFST1

Tot Ion: 75 Resp: 1183

Ion Ratio Lower Upper

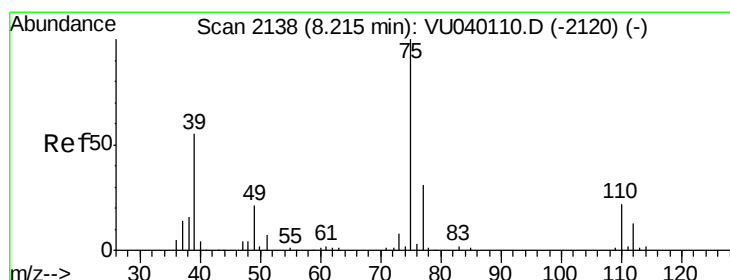
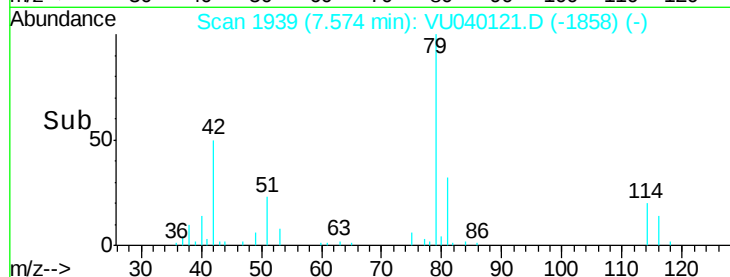
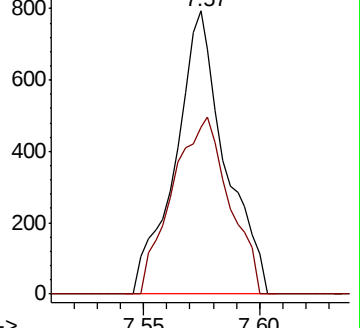
75 100

77 58.9 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.050 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040121.D

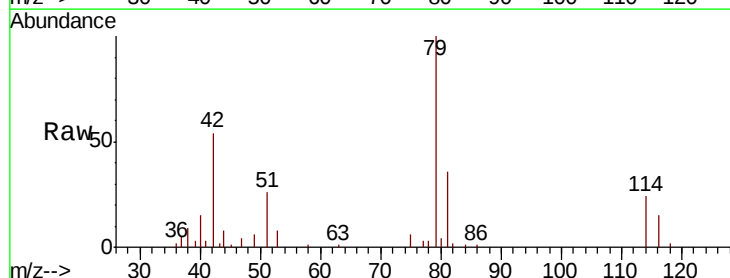
Acq: 14 Sep 2020 15:38

Tgt Ion: 75 Resp: 737

Ion Ratio Lower Upper

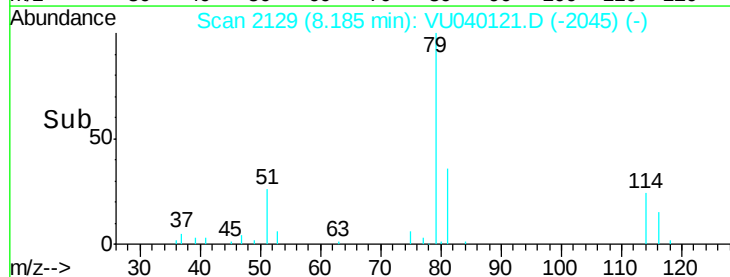
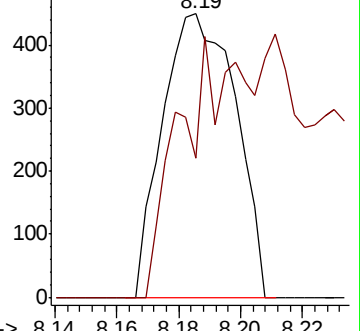
75 100

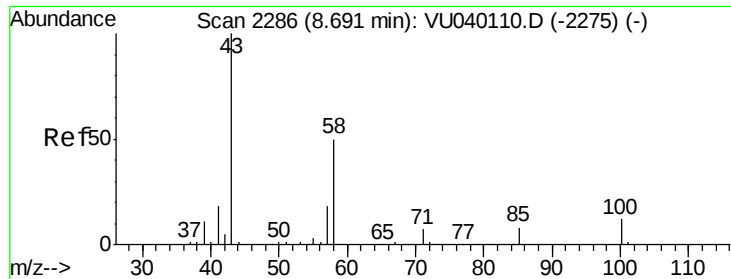
77 49.0 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

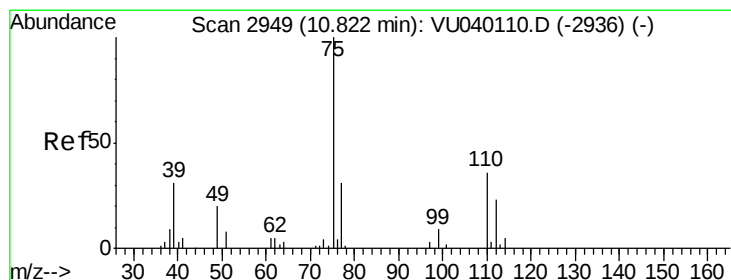
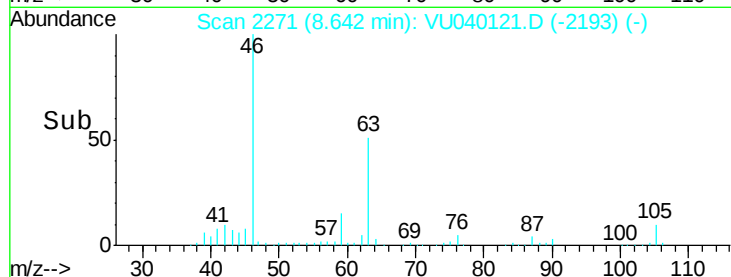
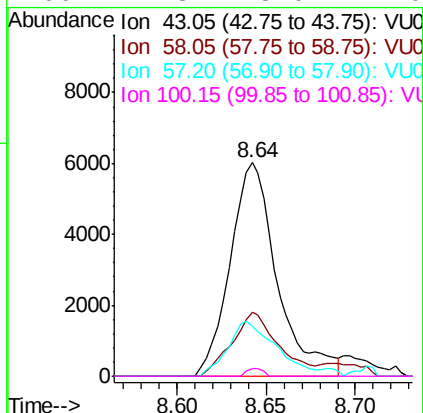
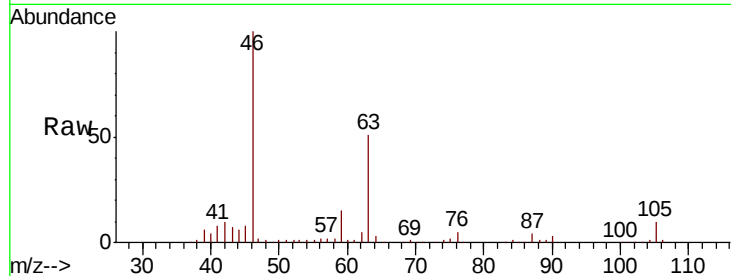




#48
2-Hexanone
Concen: 1.702 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040121.D
Acq: 14 Sep 2020 15:38

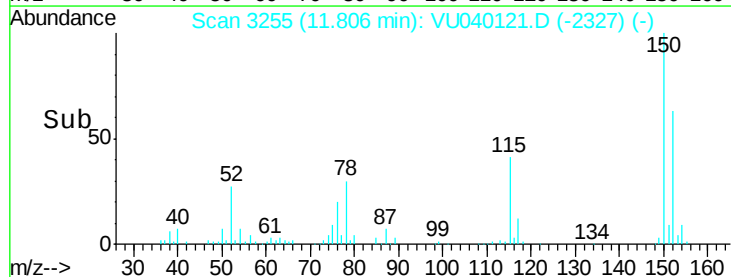
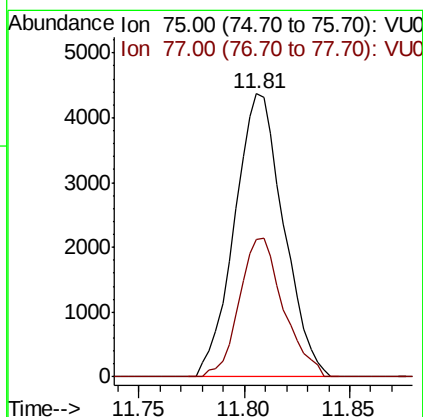
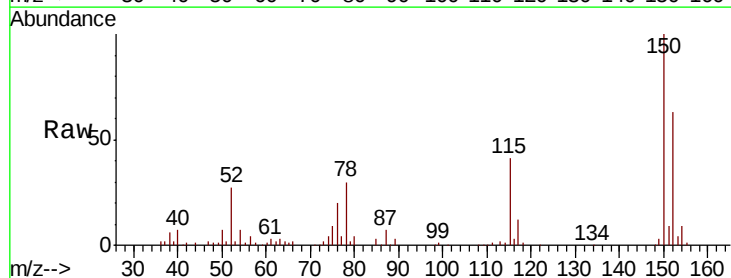
Instrument :
MSVOA_U
ClientSampleId :
BFST1

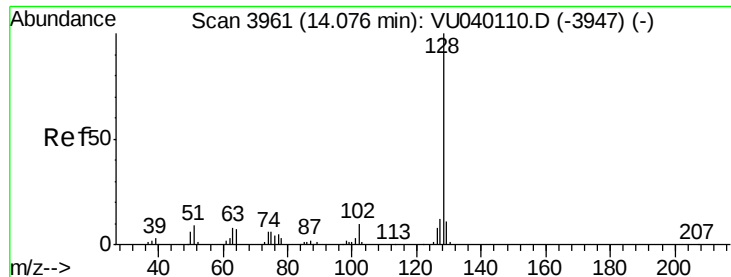
Tot Ion	Ratio	Lower	Upper
43	100		
58	29.7	39.6	59.4#
57	26.2	14.3	21.5#
100	1.3	8.0	12.0#



#59
1,2,3-Trichloropropane
Concen: 0.878 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU040121.D
Acq: 14 Sep 2020 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	43.8	24.9	37.3#





#69

Naphthalene

Concen: 0.065 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040121.D

Acq: 14 Sep 2020 15:38

Instrument :

MSVOA_U

ClientSampleId :

BFST1

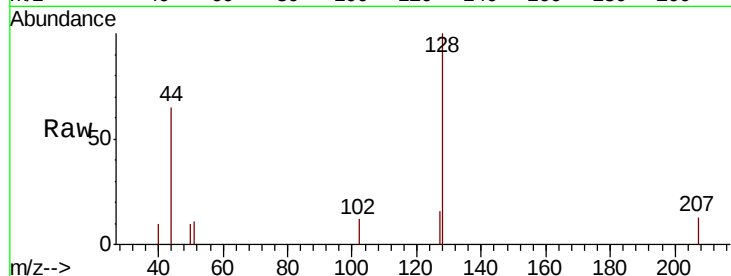
Tot Ion:128 Resp: 1489

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 11.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

