

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110220\
 Data File : VU041055.D
 Acq On : 02 Nov 2020 17:20
 Operator : SY/MD
 Sample : L4584-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSH1

Quant Time: Nov 03 00:49:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 03 00:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	49304	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	48912	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22290	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	18048	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.93	69	14211	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.58	63	26956	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.65	46	79927	58.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.20%
24) Chloroform-d	5.08	84	34676	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.72	65	23564	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.74	84	64057	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.70	67	22548	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.91	98	51790	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.19	79	8901	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.64	63	55402	55.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.48%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20808	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	20863	5.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	185	0.050	ug/L #	22
13) Acetone	2.66	43	13312	14.275	ug/L #	60
15) Methyl Acetate	2.96	43	595	0.279	ug/L #	53
21) 2-Butanone	4.83	43	2053	1.409	ug/L	86
25) Chloroform	5.10	83	367	0.052	ug/L #	74
35) Methylcyclohexane	6.70	83	5229	0.943	ug/L #	13
37) 1,2-Dichloropropane	6.71	63	2494	0.631	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	665	0.122	ug/L	92
42) Toluene	7.98	91	2237	0.151	ug/L	94
44) trans-1,3-Dichloropropene	8.18	75	386	0.076	ug/L	90
48) 2-Hexanone	8.69	43	1711	0.721	ug/L #	89
59) 1,2,3-Trichloropropane	11.81	75	3452	1.171	ug/L	91
68) 1,2,4-trichlorobenzene	13.83	180	523	0.140	ug/L #	73
69) Naphthalene	14.08	128	1704	0.256	ug/L #	80
70) 1,2,3-Trichlorobenzene	14.32	180	529	0.154	ug/L #	83

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QLast Update : Tue Nov 03 00:40:40 2020
Response via : Initial Calibration

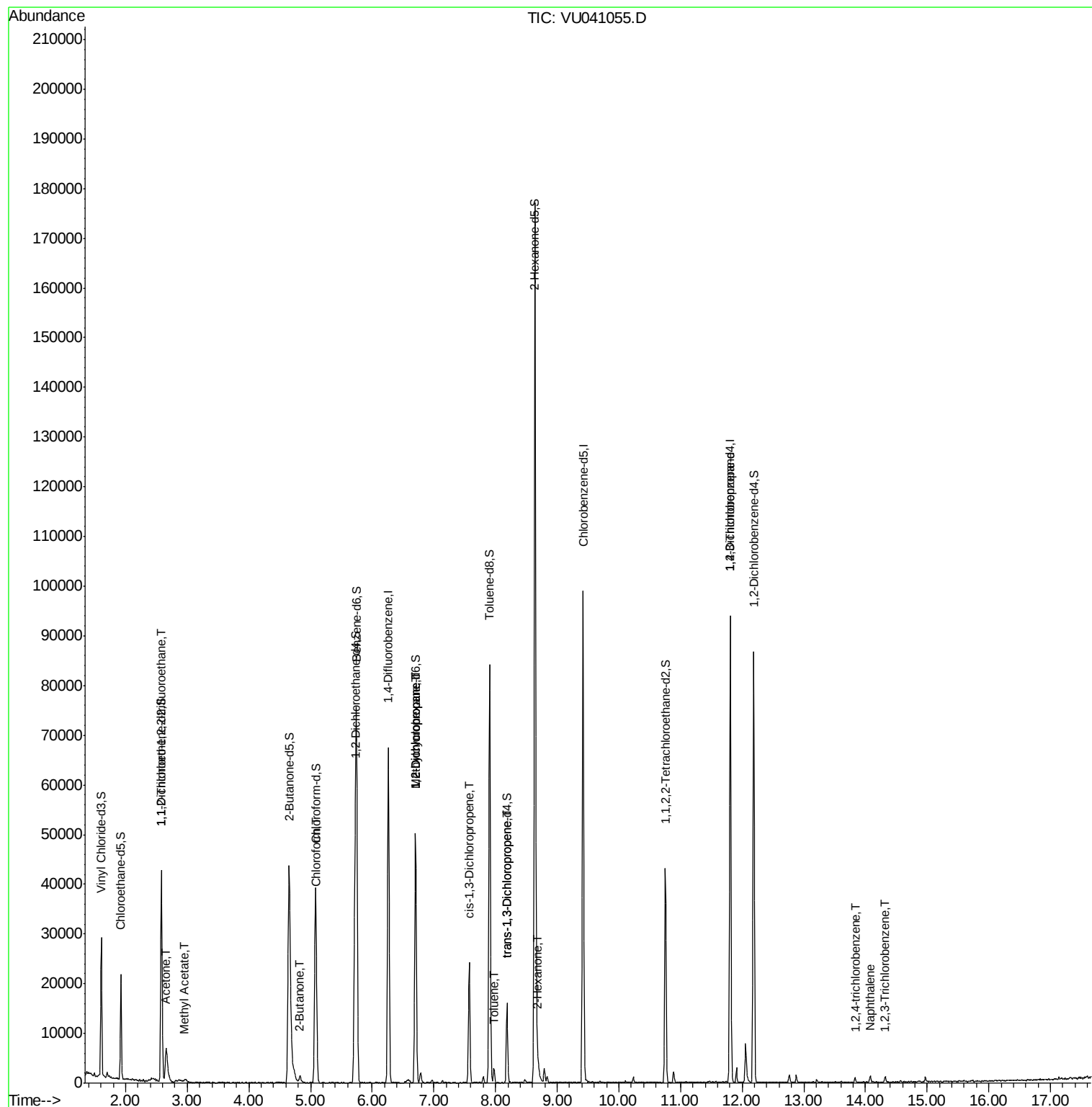
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

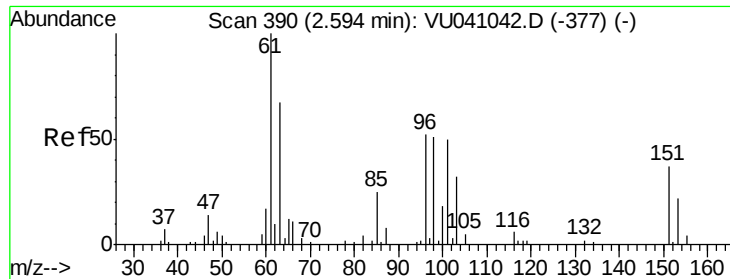
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#10

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

Concen: 0.050 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041055.D

Acq: 02 Nov 2020 17:20

Instrument :

MSVOA_U

ClientSampled :

BFSH1

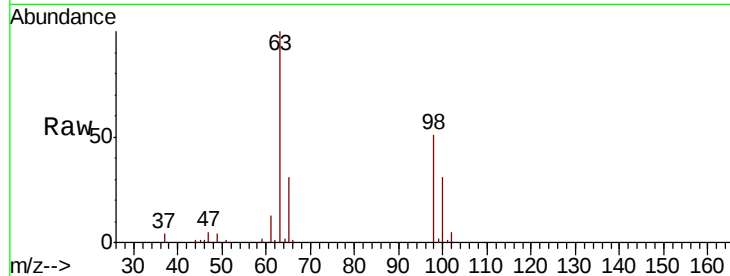
Tot Ion:101 Resp: 185

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

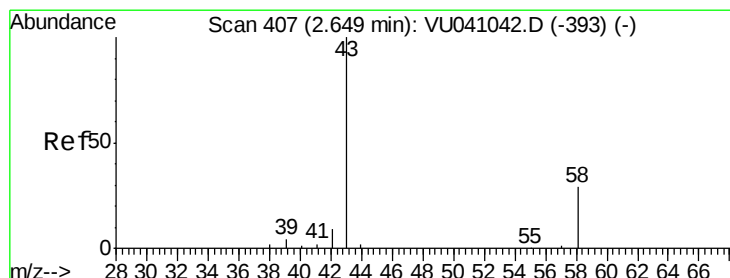
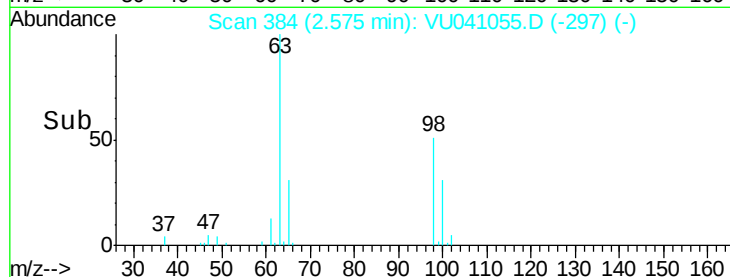
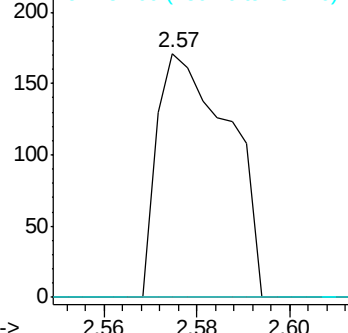
151 0.0 55.3 82.9#



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: 14.275 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.01 min

Lab File: VU041055.D

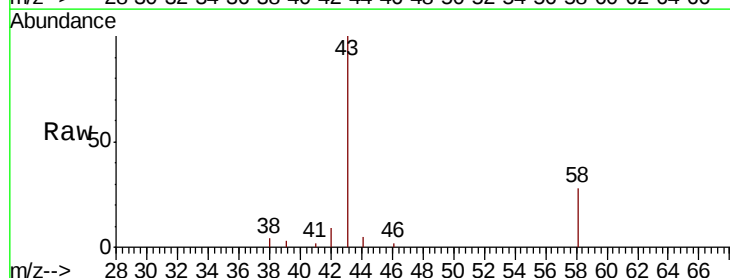
Acq: 02 Nov 2020 17:20

Tgt Ion: 43 Resp: 13312

Ion Ratio Lower Upper

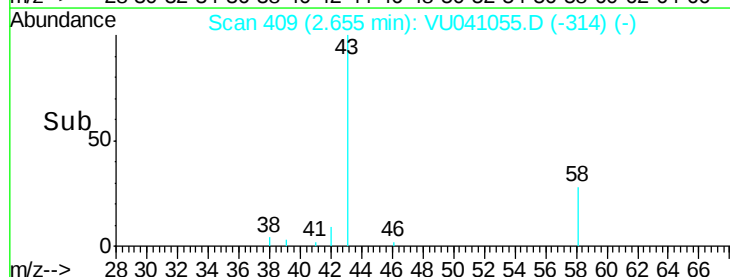
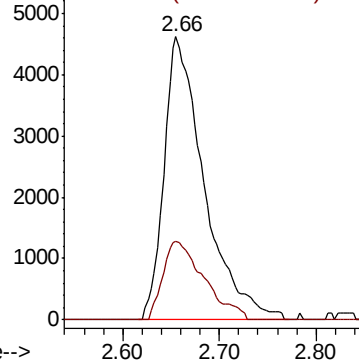
43 100

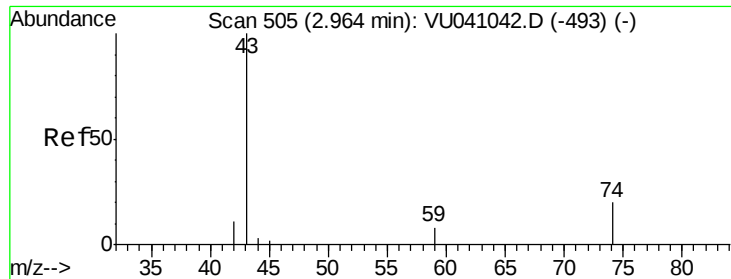
58 28.3 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

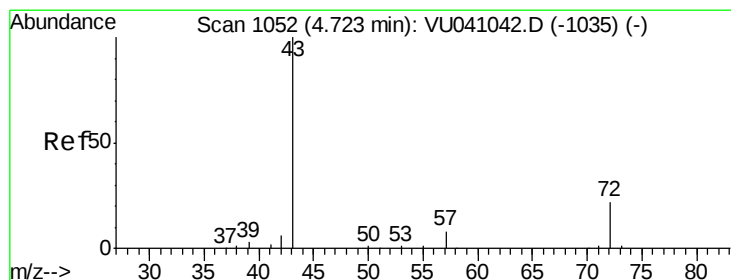
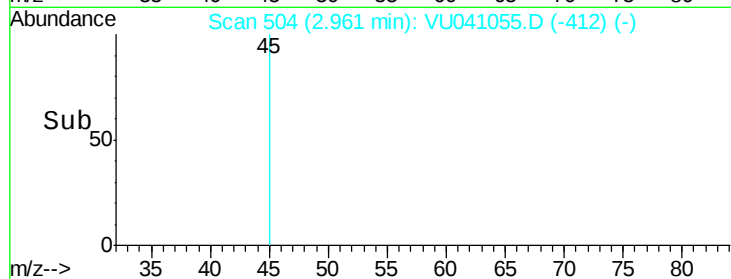
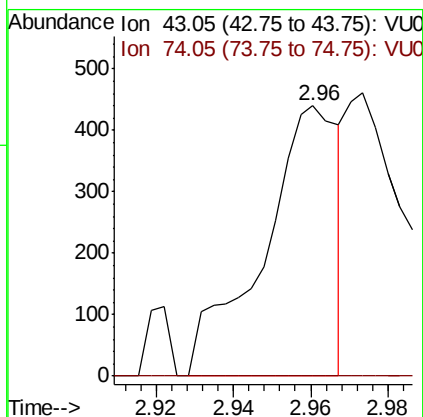
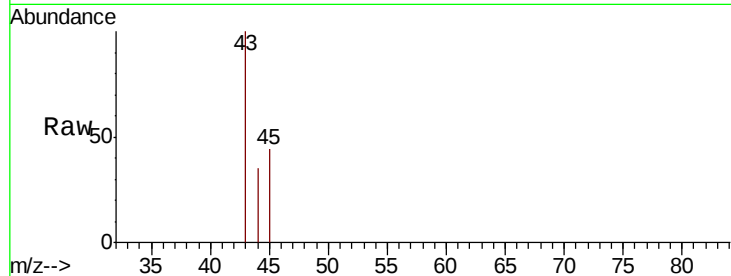




#15
Methyl Acetate
Concen: 0.279 ug/L
RT: 2.96 min Scan# 504
Delta R.T. -0.00 min
Lab File: VU041055.D
Acq: 02 Nov 2020 17:20

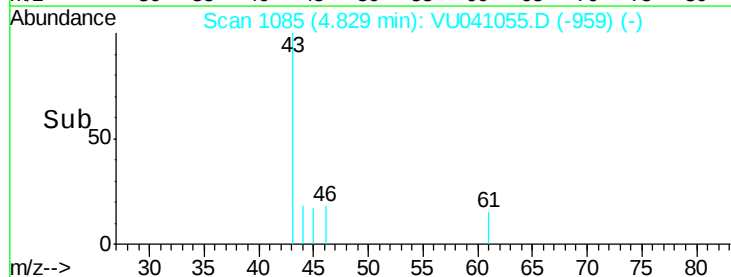
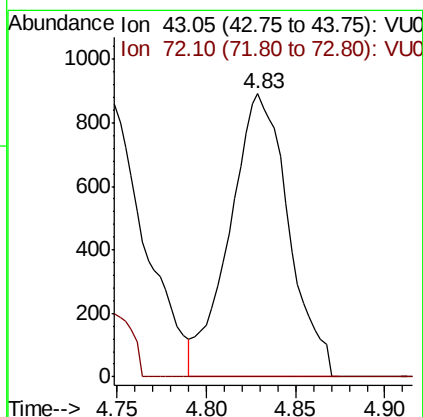
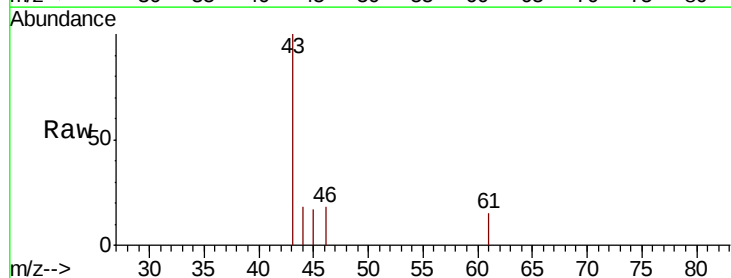
Instrument :
MSVOA_U
ClientSampleId :
BFSH1

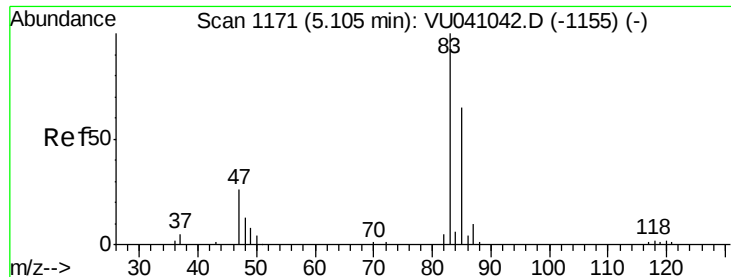
Tot Ion: 43 Resp: 595
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#21
2-Butanone
Concen: 1.409 ug/L
RT: 4.83 min Scan# 1085
Delta R.T. 0.11 min
Lab File: VU041055.D
Acq: 02 Nov 2020 17:20

Tgt Ion: 43 Resp: 2053
Ion Ratio Lower Upper
43 100
72 17.0 11.8 35.4

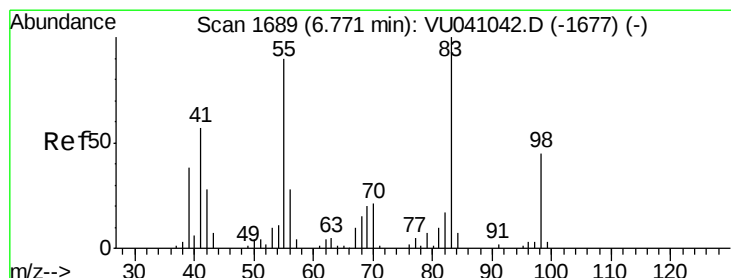
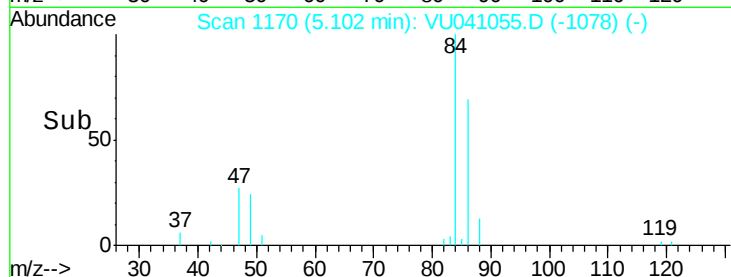
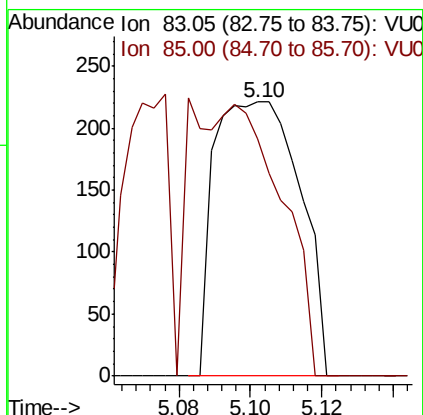
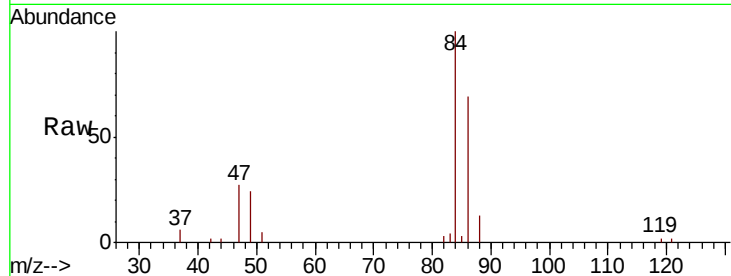




#25
Chloroform
Concen: 0.052 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041055.D
Acq: 02 Nov 2020 17:20

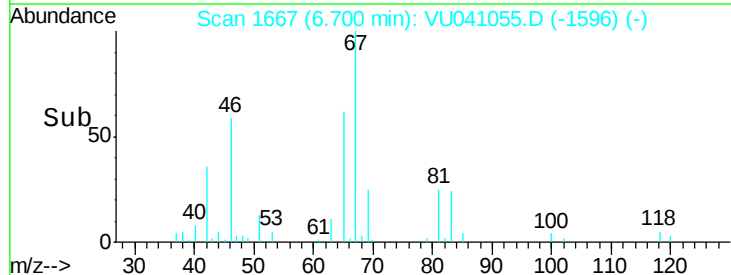
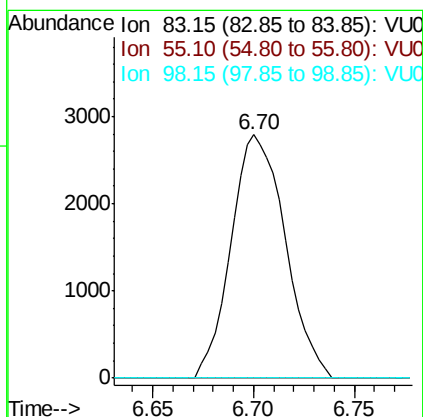
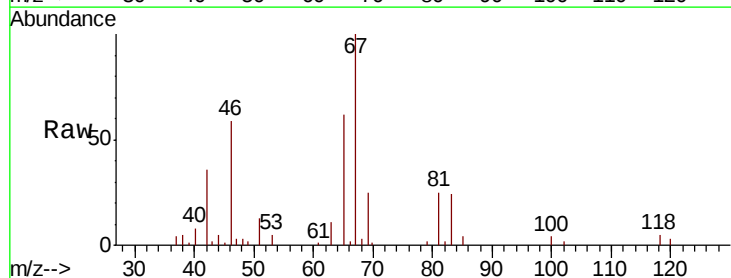
Instrument :
MSVOA_U
ClientSampleId :
BFSH1

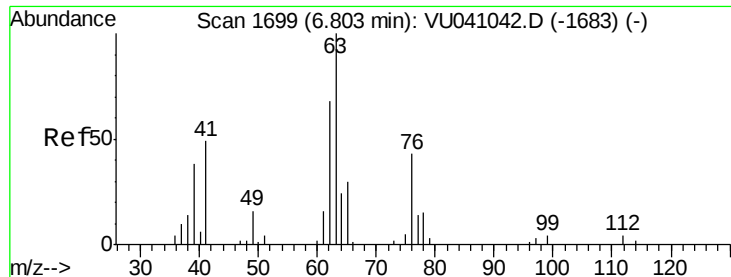
Tot Ion: 83 Resp: 367
Ion Ratio Lower Upper
83 100
85 86.4 46.1 85.7#



#35
Methylcyclohexane
Concen: 0.943 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041055.D
Acq: 02 Nov 2020 17:20

Tgt Ion: 83 Resp: 5229
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

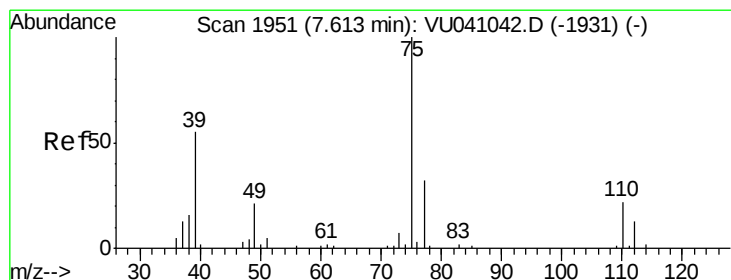
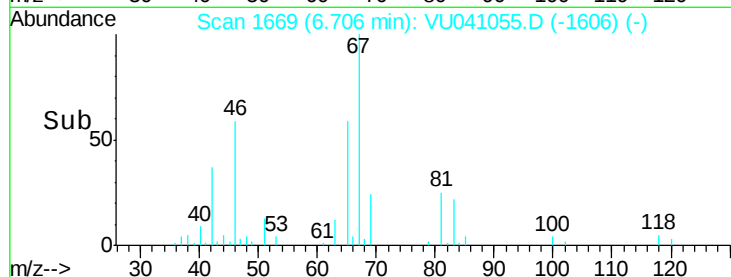
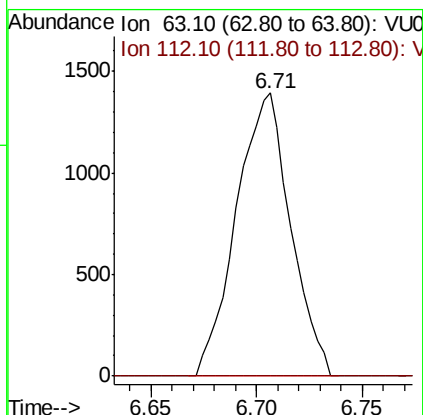
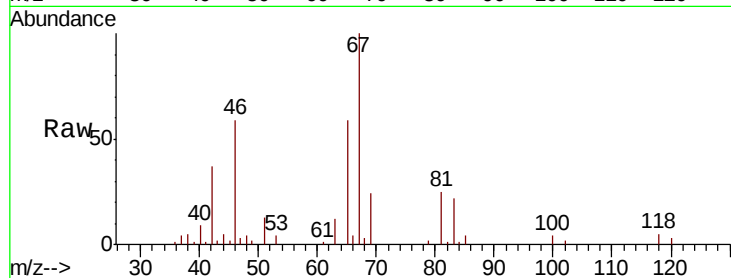




#37
 1,2-Dichloropropane
 Concen: 0.631 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU041055.D
 Acq: 02 Nov 2020 17:20

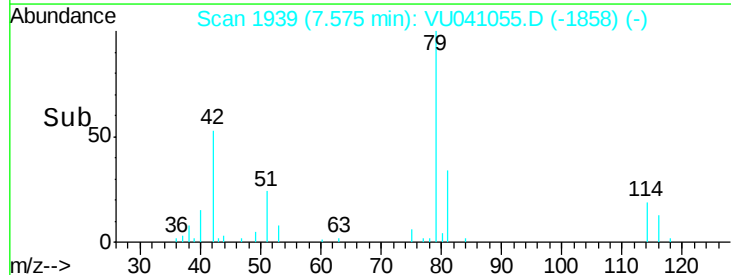
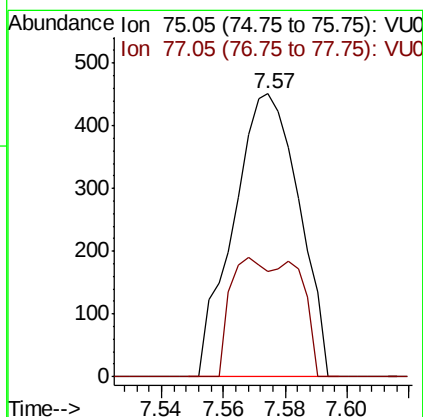
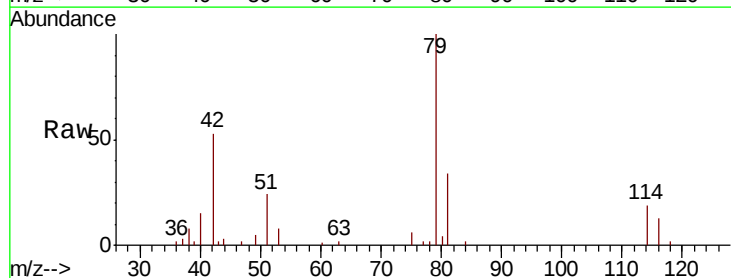
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSH1

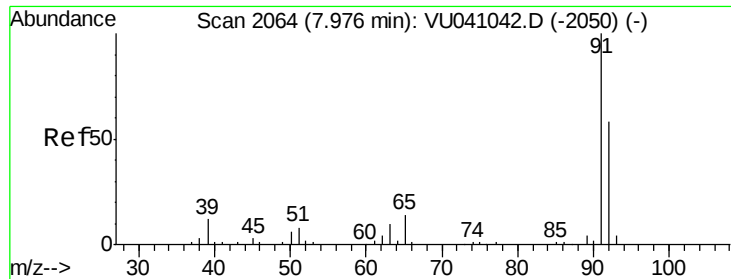
Tot Ion: 63 Resp: 2494
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.122 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041055.D
 Acq: 02 Nov 2020 17:20

Tgt Ion: 75 Resp: 665
 Ion Ratio Lower Upper
 75 100
 77 37.0 22.7 42.3





#42

Toluene

Concen: 0.151 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041055.D

Acq: 02 Nov 2020 17:20

Instrument :

MSVOA_U

ClientSampleId :

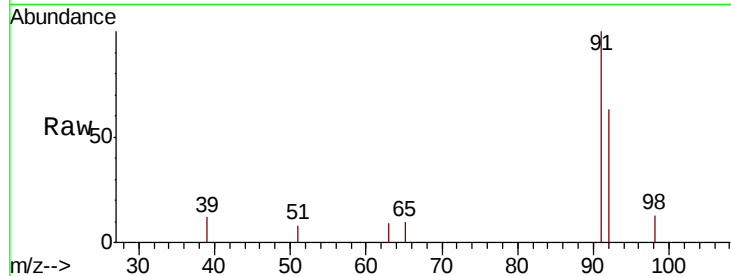
BFSH1

Tot Ion: 91 Resp: 2237

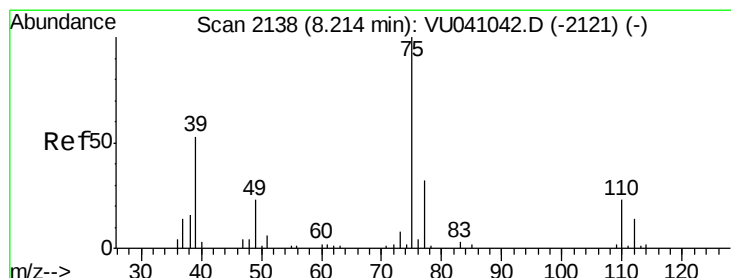
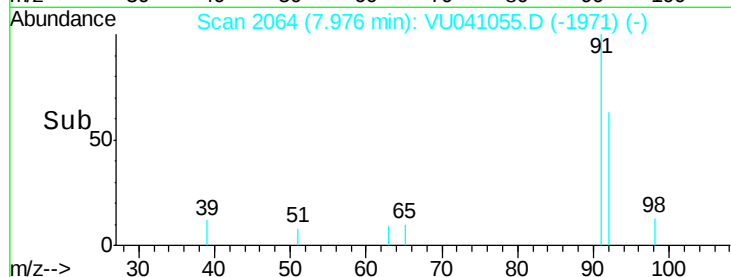
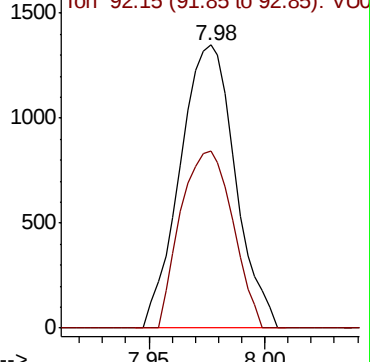
Ion Ratio Lower Upper

91 100

92 62.5 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041042.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041055.D

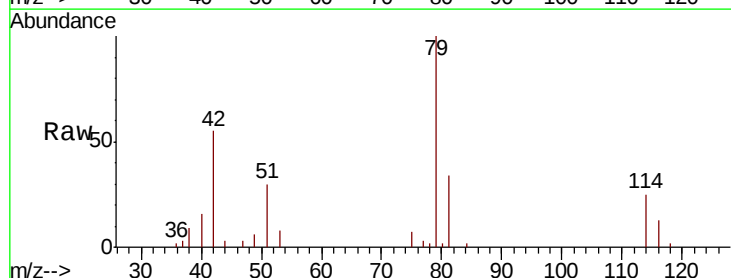
Acq: 02 Nov 2020 17:20

Tgt Ion: 75 Resp: 386

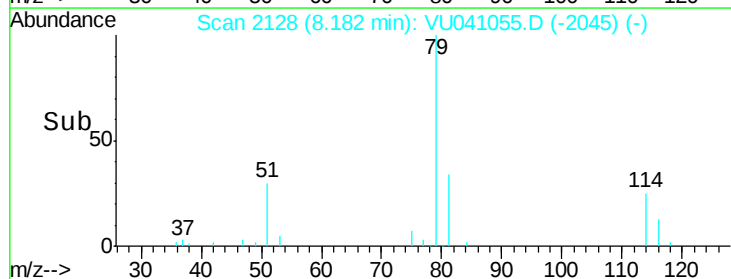
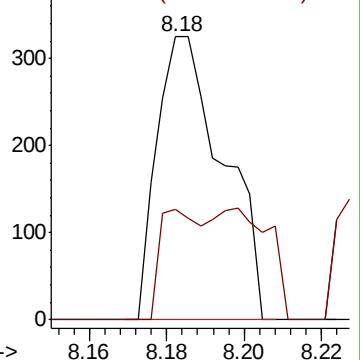
Ion Ratio Lower Upper

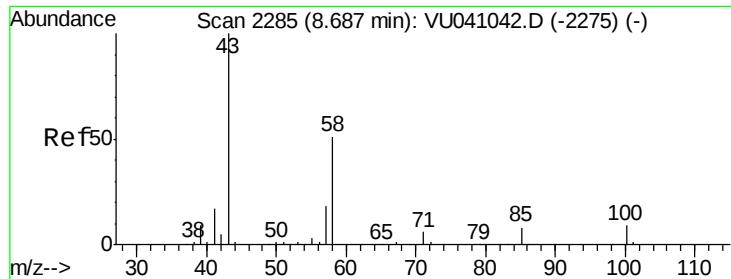
75 100

77 39.1 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041042.D (-2121) (-)

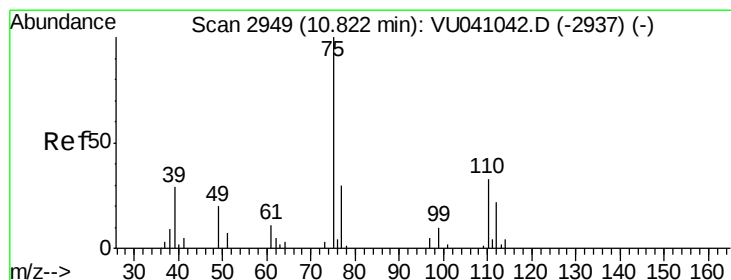
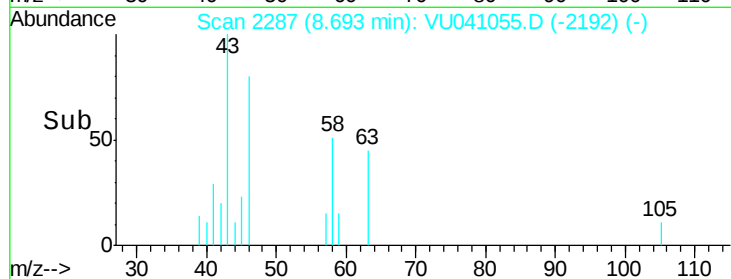
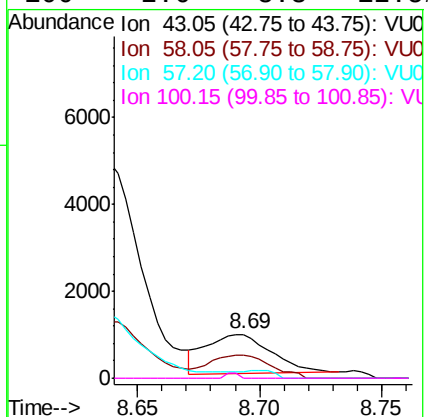
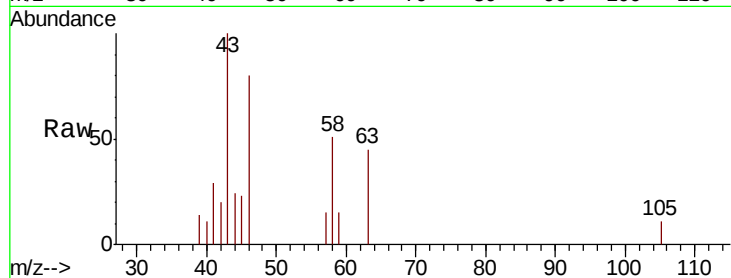




#48
2-Hexanone
Concen: 0.721 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.01 min
Lab File: VU041055.D
Acq: 02 Nov 2020 17:20

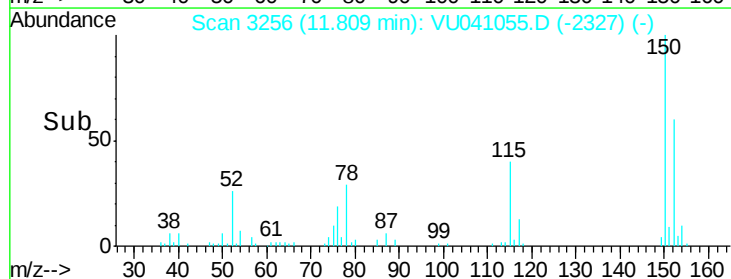
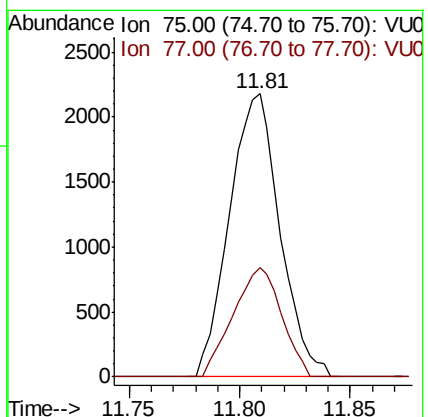
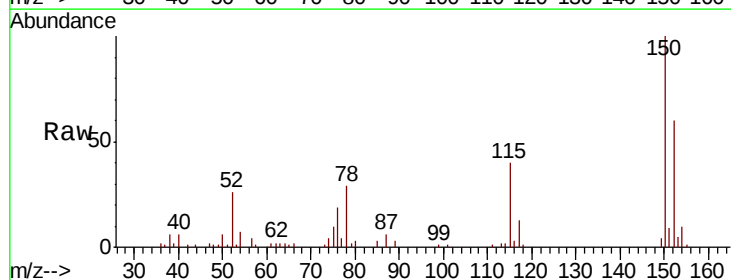
Instrument :
MSVOA_U
ClientSampled :
BFSH1

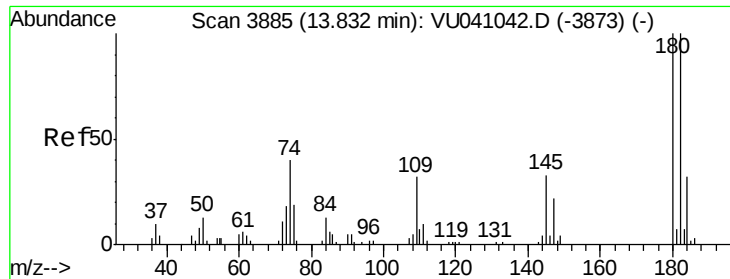
Tot Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
58 55.1 41.4 62.2
57 7.4 14.6 21.8#
100 2.6 8.3 12.5#



#59
1,2,3-Trichloropropane
Concen: 1.171 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041055.D
Acq: 02 Nov 2020 17:20

Tgt Ion: 75 Resp: 3452
Ion Ratio Lower Upper
75 100
77 37.0 25.7 38.5

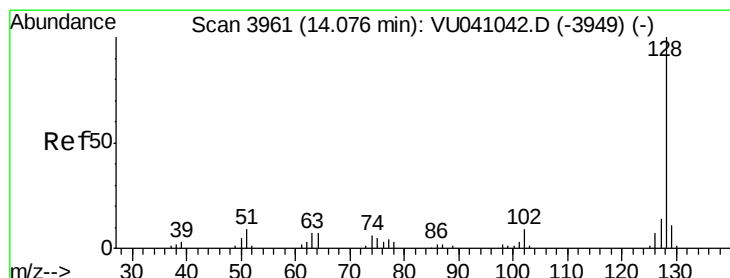
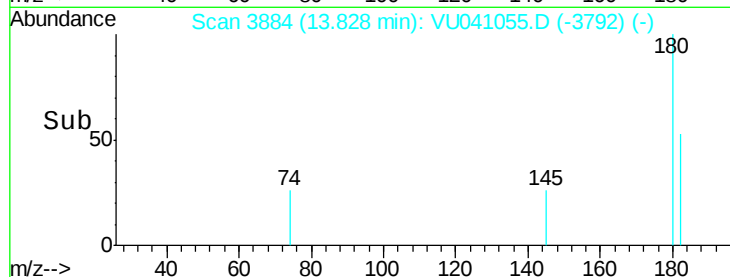
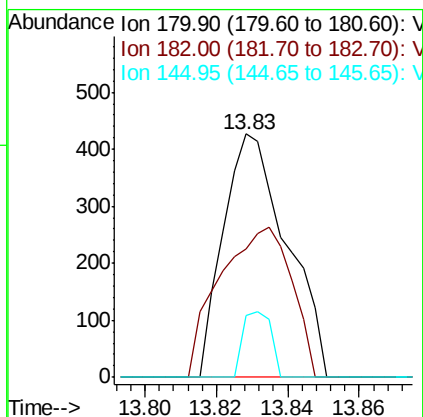
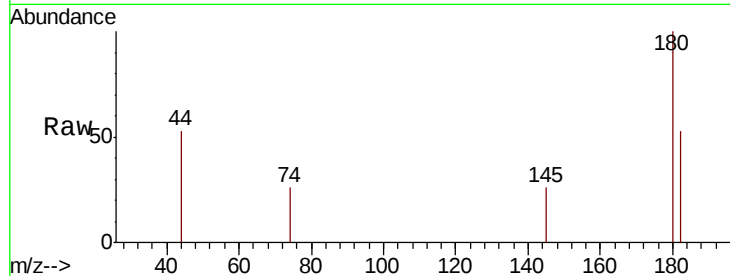




#68
 1,2,4-trichlorobenzene
 Concen: 0.140 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041055.D
 Acq: 02 Nov 2020 17:20

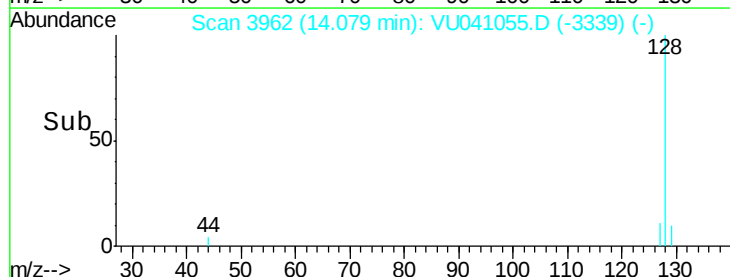
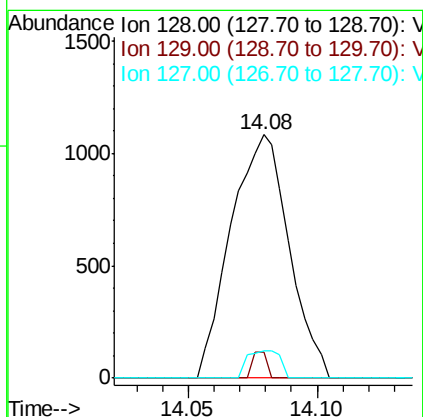
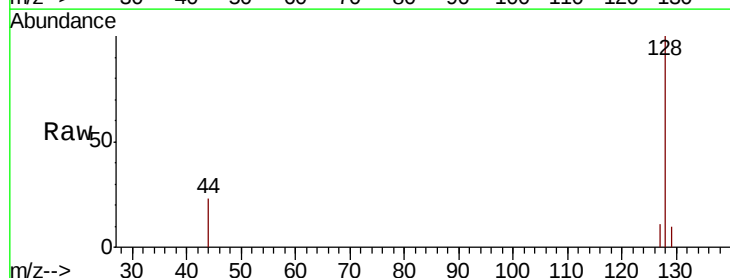
Instrument :
 MSVOA_U
 ClientSampled :
 BFSH1

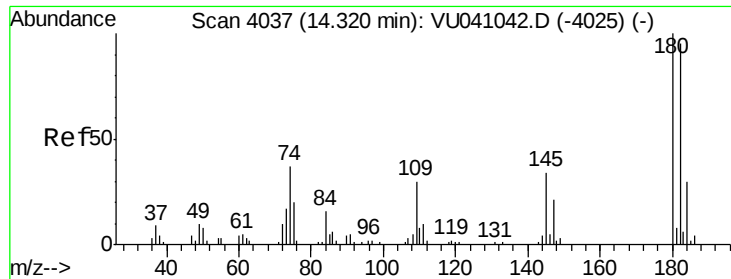
Tot Ion:180 Resp: 523
 Ion Ratio Lower Upper
 180 100
 182 70.2 73.5 110.3#
 145 12.0 26.6 40.0#



#69
 Naphthalene
 Concen: 0.256 ug/L
 RT: 14.08 min Scan# 3962
 Delta R.T. 0.00 min
 Lab File: VU041055.D
 Acq: 02 Nov 2020 17:20

Tgt Ion:128 Resp: 1704
 Ion Ratio Lower Upper
 128 100
 129 2.6 8.7 13.1#
 127 6.3 10.8 16.2#





#70

1,2,3-Trichlorobenzene

Concen: 0.154 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU041055.D

Acq: 02 Nov 2020 17:20

Instrument :

MSVOA_U

ClientSampleId :

BFSH1

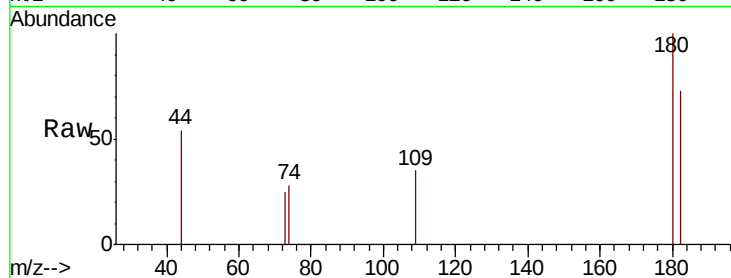
Tot Ion:180 Resp: 529

Ion Ratio Lower Upper

180 100

182 88.5 77.7 116.5

145 12.9 29.4 44.0#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

