

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041078.D
 Acq On : 03 Nov 2020 15:04
 Operator : SY/MD
 Sample : L4614-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSH4

Quant Time: Nov 04 01:00:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 04 00:51:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	52860	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	53504	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23067	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	17388	3.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.20%
7) Chloroethane-d5	1.92	69	13952	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.80%
11) 1,1-Dichloroethene-d2	2.58	63	24866	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.65	46	79271	54.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.42%
24) Chloroform-d	5.08	84	34333	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.72	65	22700	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.74	84	63423	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
36) 1,2-Dichloropropane-d6	6.70	67	22429	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.90	98	50253	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
43) trans-1,3-Dichloropropene-	8.19	79	8704	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.64	63	55373	50.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.86%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20640	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	21359	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

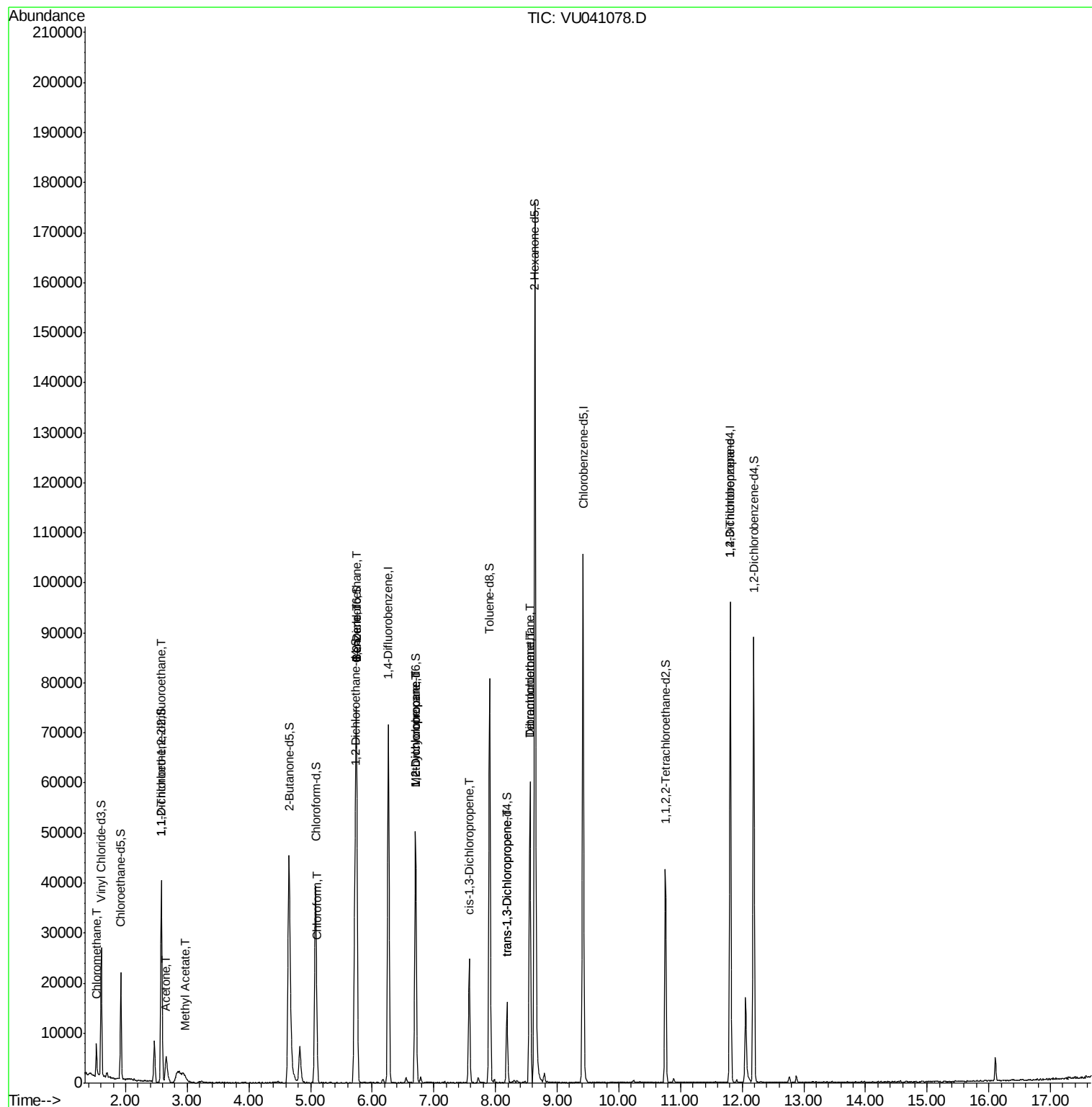
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	4431	0.881	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	180	0.046	ug/L #	22
13) Acetone	2.66	43	9097	9.099	ug/L #	55
15) Methyl Acetate	2.97	43	350	0.153	ug/L #	53
25) Chloroform	5.11	83	954	0.125	ug/L	100
27) 1,2-Dichloroethane	5.74	62	330	0.058	ug/L #	74
33) Benzene	5.75	78	467	0.029	ug/L	100
35) Methylcyclohexane	6.70	83	5296	0.873	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	2439	0.564	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	708	0.119	ug/L #	60
44) trans-1,3-Dichloropropene	8.19	75	326	0.058	ug/L #	45
47) Tetrachloroethene	8.56	164	12243	4.092	ug/L	94
49) Dibromochloromethane	8.56	129	12344	3.301	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3352	1.040	ug/L #	87

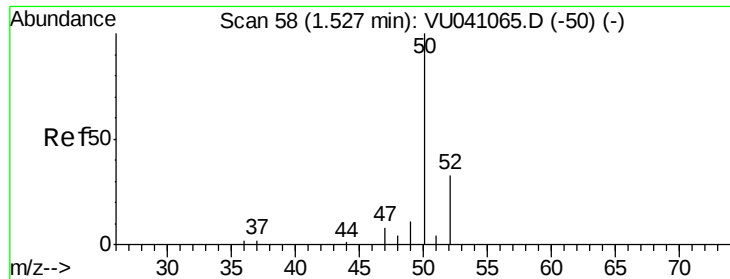
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 00:51:13 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.881 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041078.D

Acq: 03 Nov 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

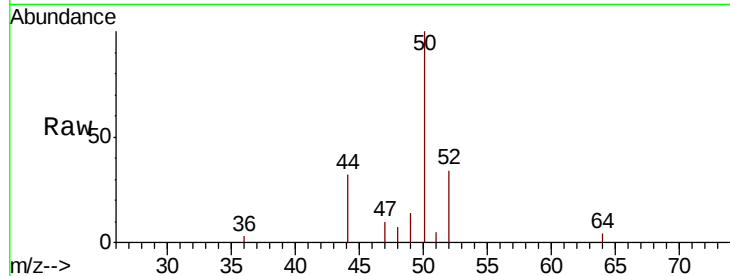
BFSH4

Tot Ion: 50 Resp: 4431

Ion Ratio Lower Upper

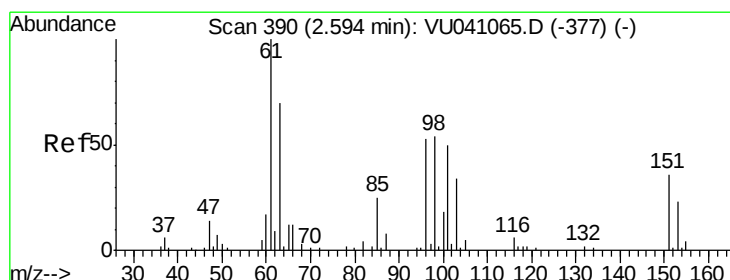
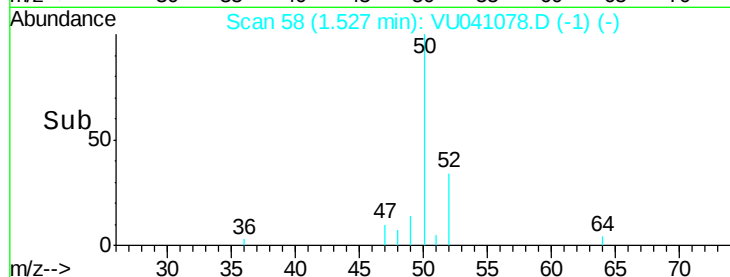
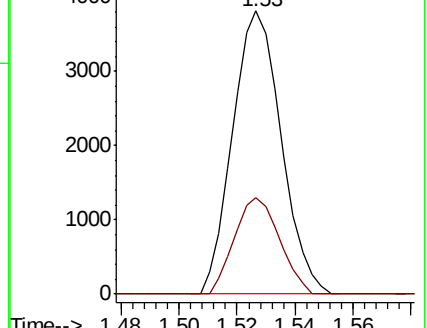
50 100

52 34.1 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041078.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041078.D (-1) (-)



#10

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

Concen: 0.046 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041078.D

Acq: 03 Nov 2020 15:04

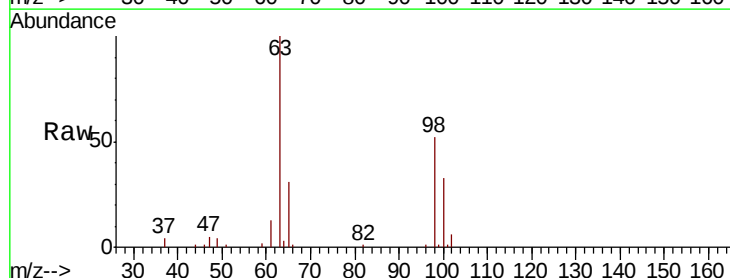
Tgt Ion: 101 Resp: 180

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

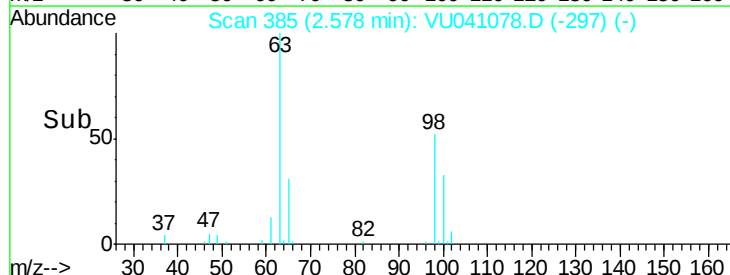
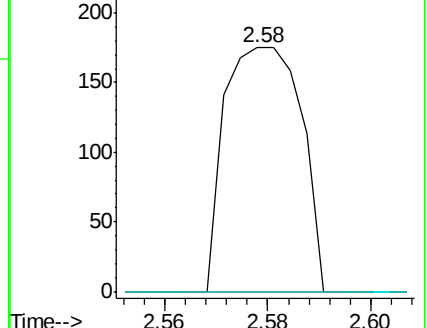
151 0.0 55.3 82.9#

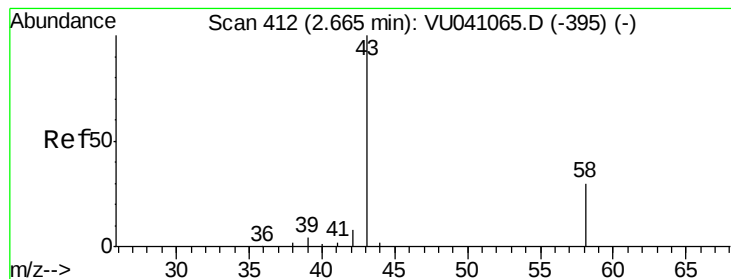


Abundance Ion 101.00 (100.70 to 101.70): VU041078.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU041078.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU041078.D (-297) (-)





#13

Acetone

Concen: 9.099 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041078.D

Acq: 03 Nov 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

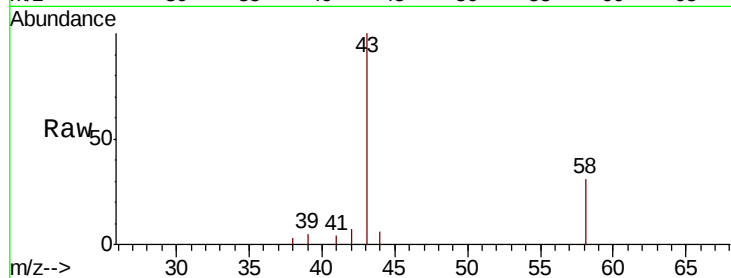
BFSH4

Tot Ion: 43 Resp: 9097

Ion Ratio Lower Upper

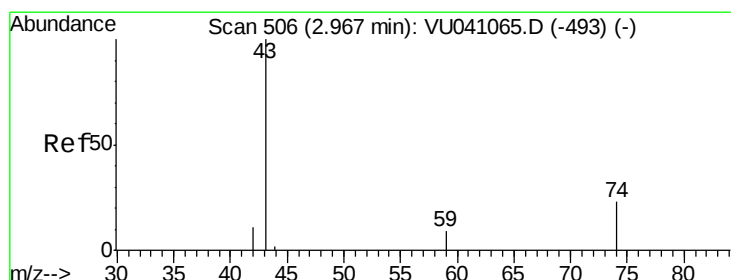
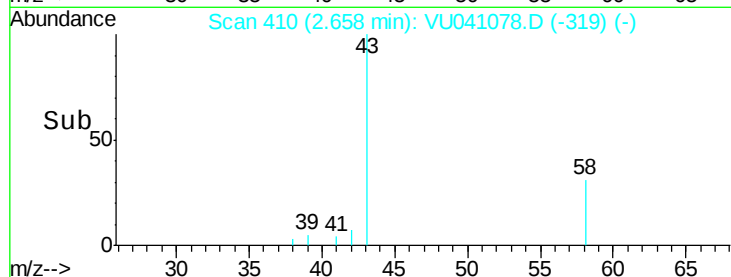
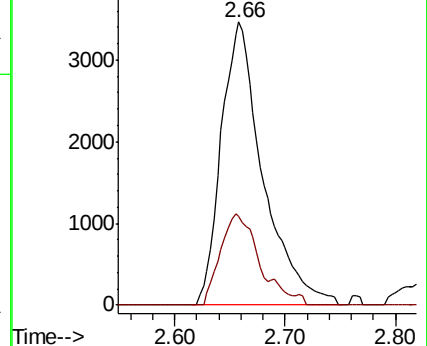
43 100

58 30.6 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041078.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU041078.D (-319) (-)



#15

Methyl Acetate

Concen: 0.153 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU041078.D

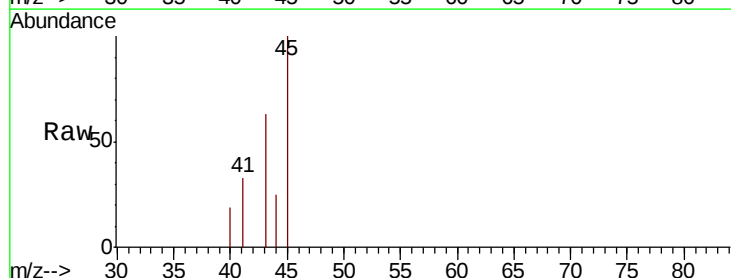
Acq: 03 Nov 2020 15:04

Tgt Ion: 43 Resp: 350

Ion Ratio Lower Upper

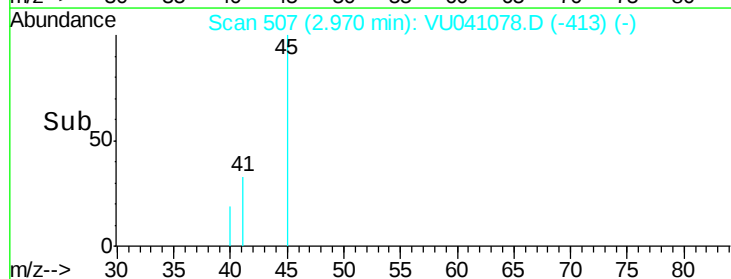
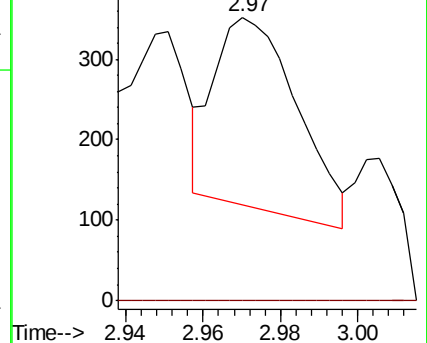
43 100

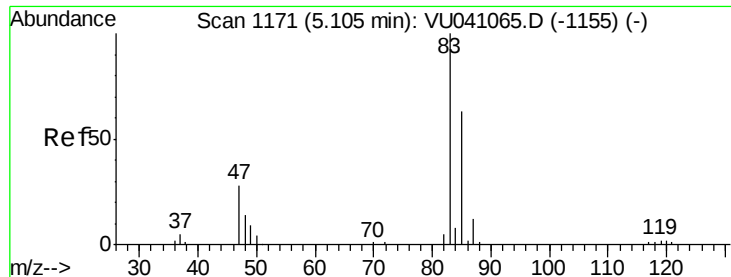
74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU041078.D (-413) (-)

Ion 74.05 (73.75 to 74.75): VU041078.D (-413) (-)

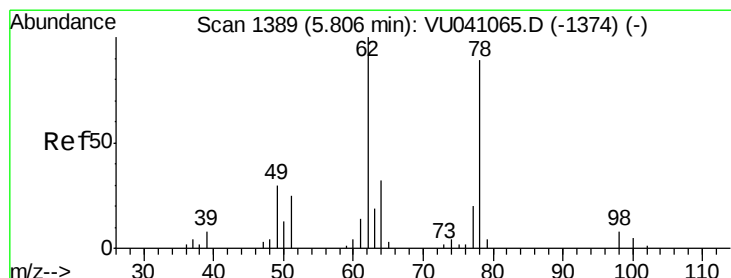
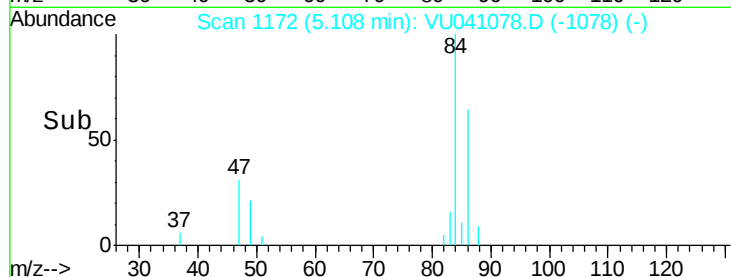
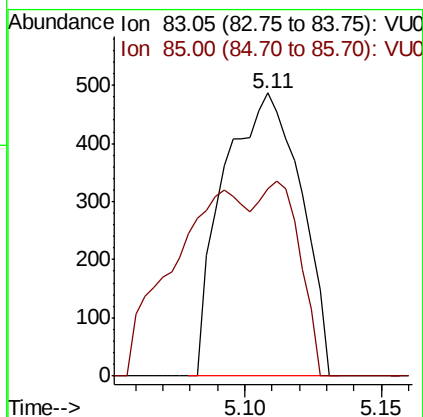
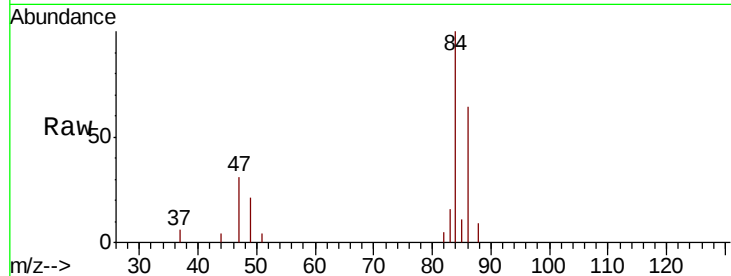




#25
Chloroform
Concen: 0.125 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041078.D
Acq: 03 Nov 2020 15:04

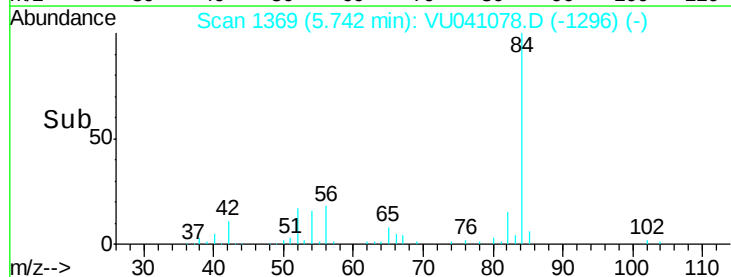
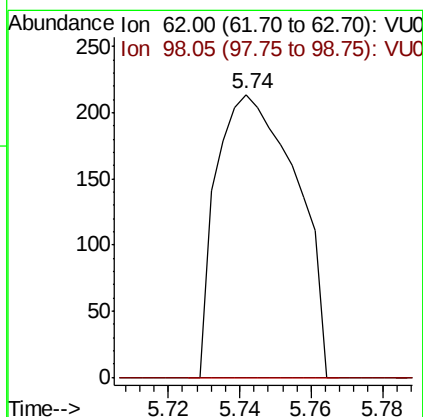
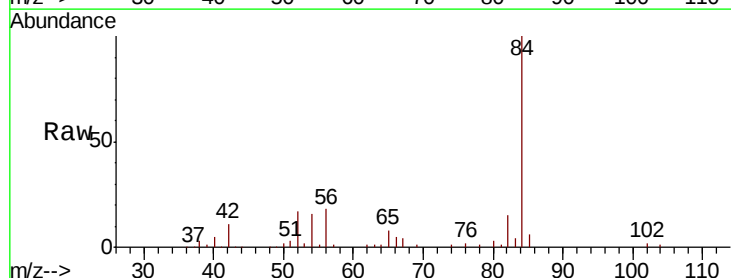
Instrument :
MSVOA_U
ClientSampled :
BFSH4

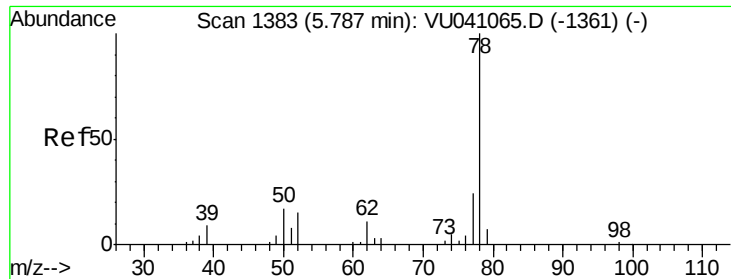
Tot Ion: 83 Resp: 954
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.058 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.06 min
Lab File: VU041078.D
Acq: 03 Nov 2020 15:04

Tgt Ion: 62 Resp: 330
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.029 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.04 min

Lab File: VU041078.D

Acq: 03 Nov 2020 15:04

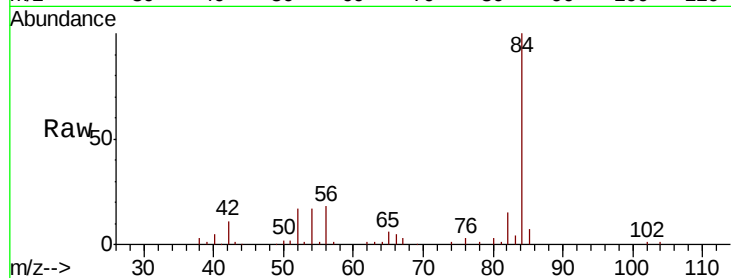
Instrument :

MSVOA_U

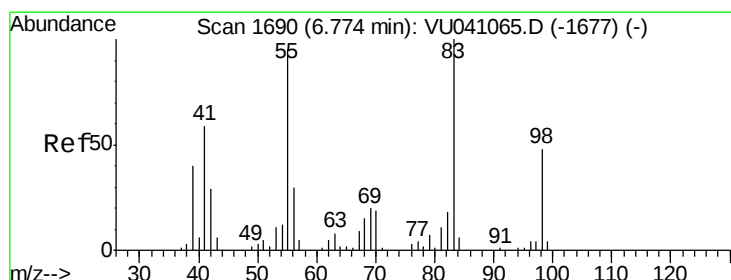
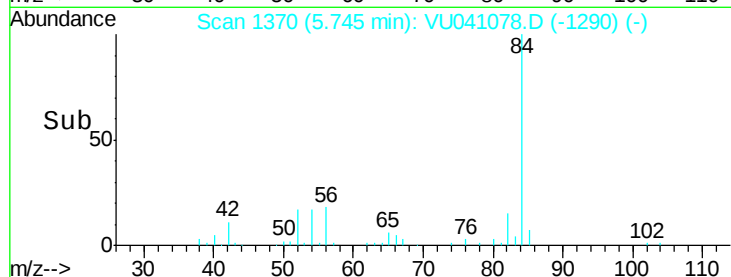
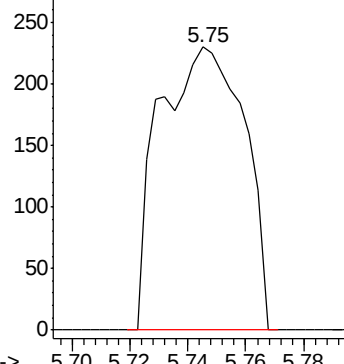
ClientSampled :

BFSH4

Tgt Ion: 78 Resp: 467



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.873 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041078.D

Acq: 03 Nov 2020 15:04

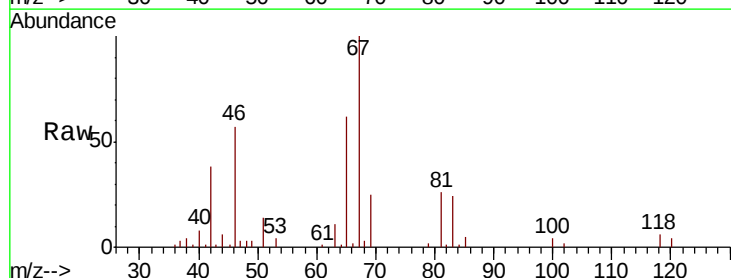
Tgt Ion: 83 Resp: 5296

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

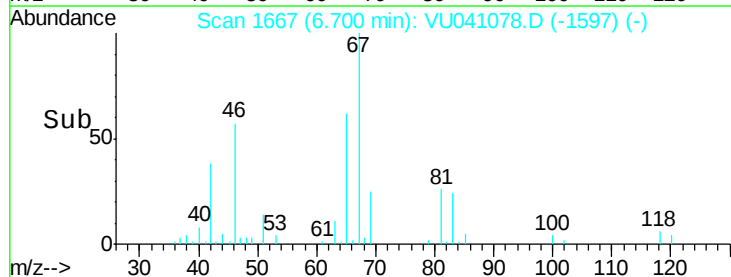
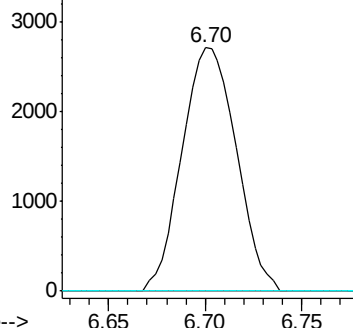
98 1.2 36.6 55.0#

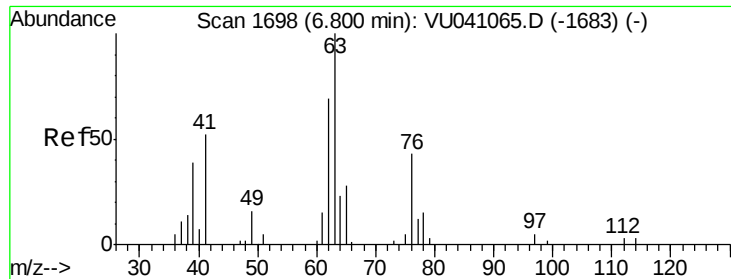


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.564 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041078.D

Acq: 03 Nov 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

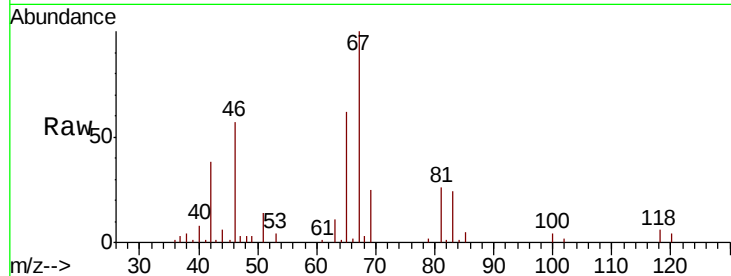
BFSH4

Tot Ion: 63 Resp: 2439

Ion Ratio Lower Upper

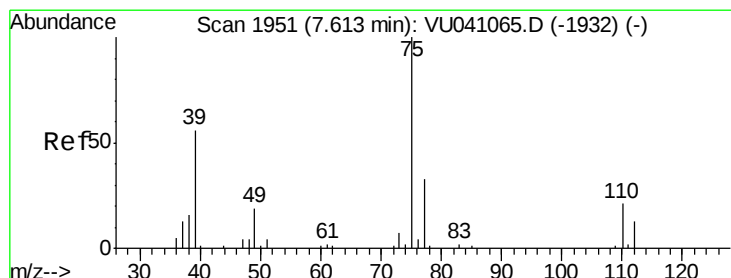
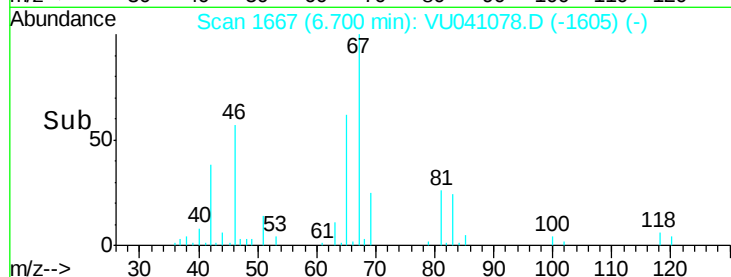
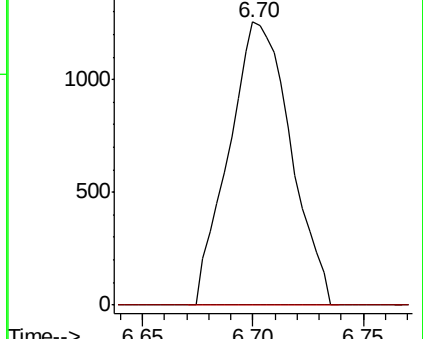
63 100

112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU041065.D (-1683) (-)

Ion 112.10 (111.80 to 112.80): VU041065.D (-1683) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041078.D

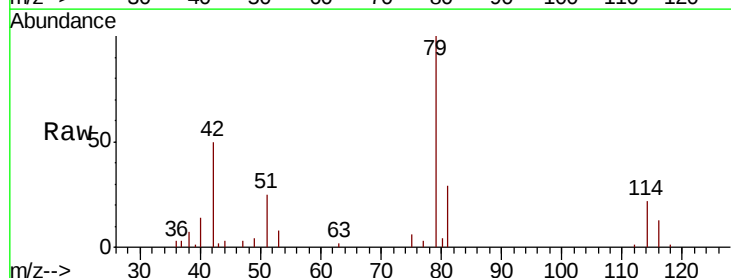
Acq: 03 Nov 2020 15:04

Tgt Ion: 75 Resp: 708

Ion Ratio Lower Upper

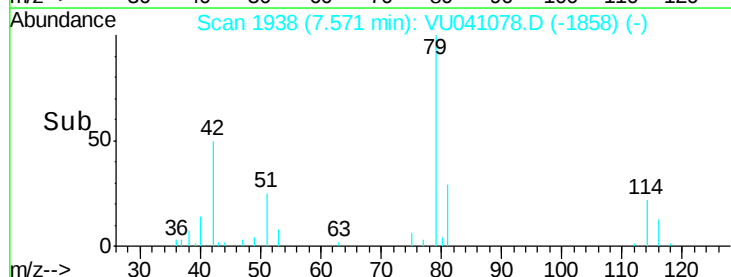
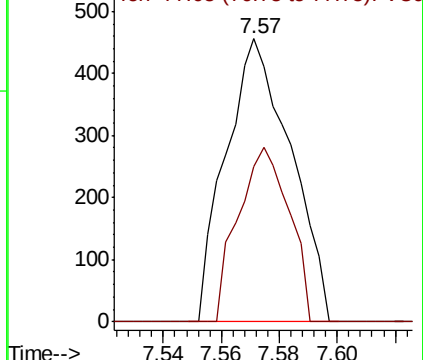
75 100

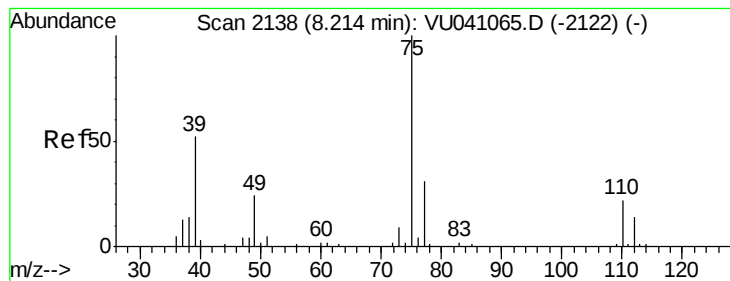
77 55.0 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU041065.D (-1932) (-)

Ion 77.05 (76.75 to 77.75): VU041065.D (-1932) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.058 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041078.D

Acq: 03 Nov 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

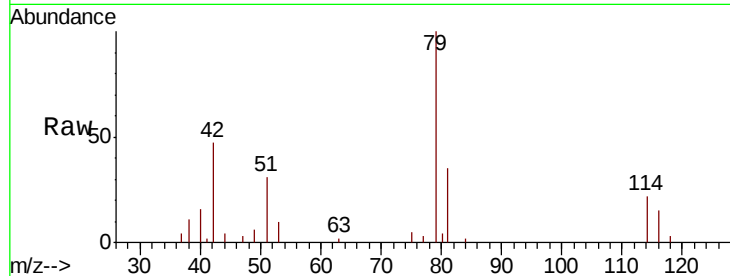
BFSH4

Tot Ion: 75 Resp: 326

Ion Ratio Lower Upper

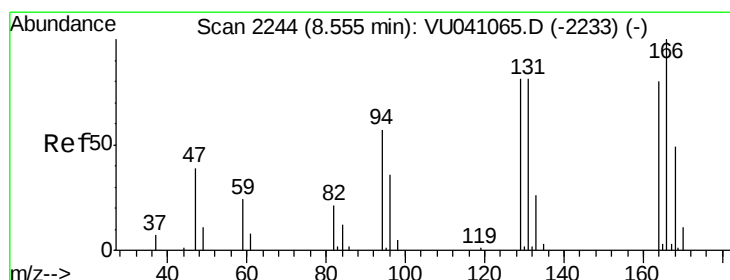
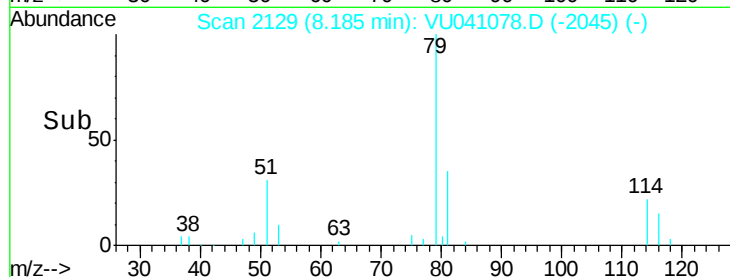
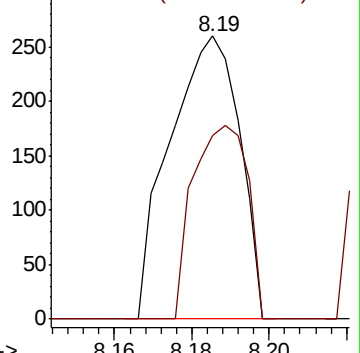
75 100

77 64.6 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 4.092 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041078.D

Acq: 03 Nov 2020 15:04

Tgt Ion:164 Resp: 12243

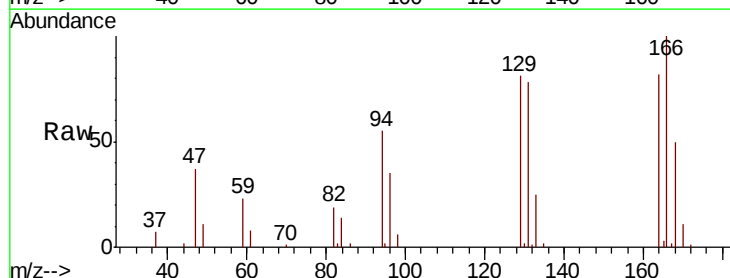
Ion Ratio Lower Upper

164 100

129 98.3 70.3 130.7

131 95.2 70.8 131.4

166 122.1 92.0 170.8

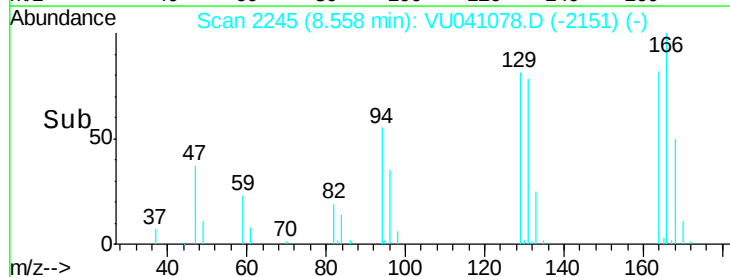
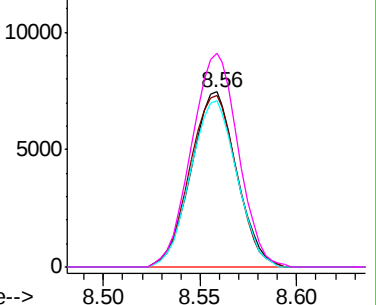


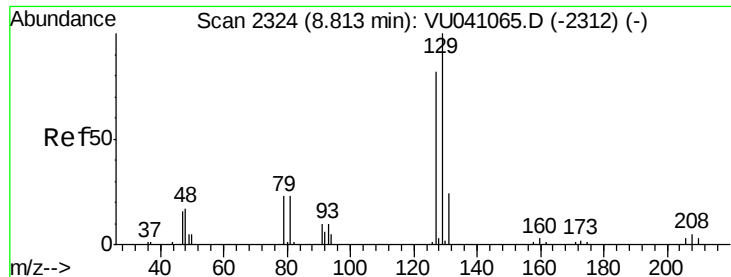
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#49

Dibromochloromethane

Concen: 3.301 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041078.D

Acq: 03 Nov 2020 15:04

Instrument :

MSVOA_U

ClientSampleId :

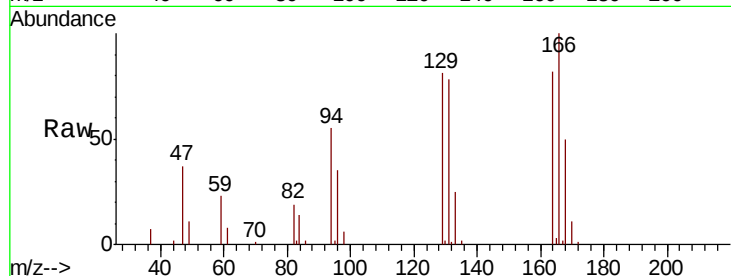
BFSH4

Tot Ion:129 Resp: 12344

Ion Ratio Lower Upper

129 100

127 0.0 53.4 99.2#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

8000

6000

4000

2000

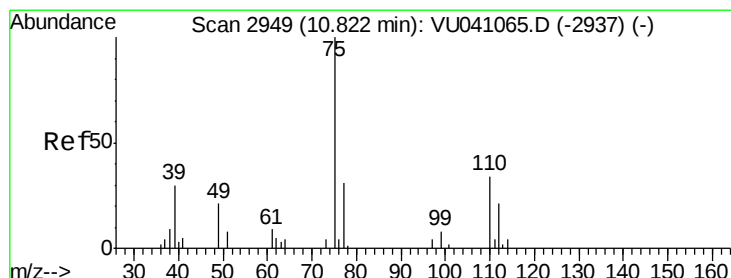
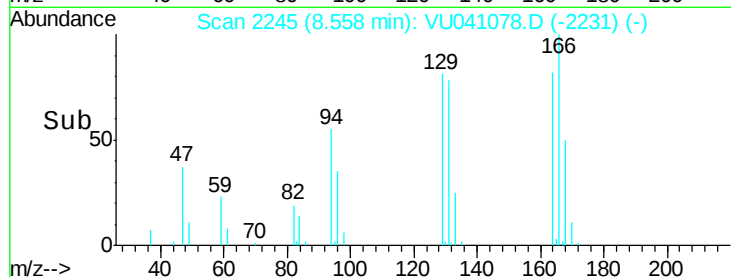
0

Time-->

8.50

8.55

8.60



#59

1,2,3-Trichloropropane

Concen: 1.040 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041078.D

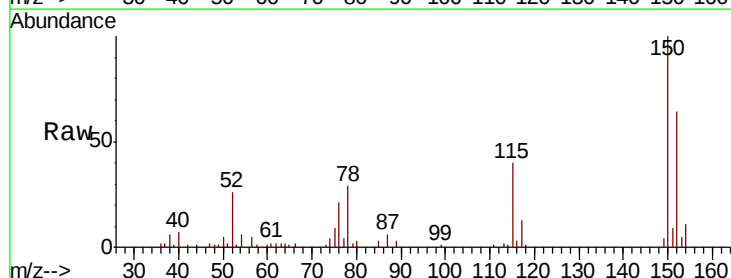
Acq: 03 Nov 2020 15:04

Tgt Ion: 75 Resp: 3352

Ion Ratio Lower Upper

75 100

77 39.1 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

2500

2000

1500

1000

500

0

Time-->

11.75

11.80

11.85

