

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041071.D
 Acq On : 03 Nov 2020 12:19
 Operator : SY/MD
 Sample : L4614-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSH4

Quant Time: Nov 04 00:59:16 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	53532	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	54479	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23225	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	18690	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.92	69	14614	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.58	63	27049	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.66	46	83055	56.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.16%
24) Chloroform-d	5.08	84	35443	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.72	65	23557	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.74	84	64224	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.70	67	22866	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.91	98	51806	3.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.40%
43) trans-1,3-Dichloropropene-	8.19	79	9020	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.64	63	56791	51.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.60%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21444	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	20860	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

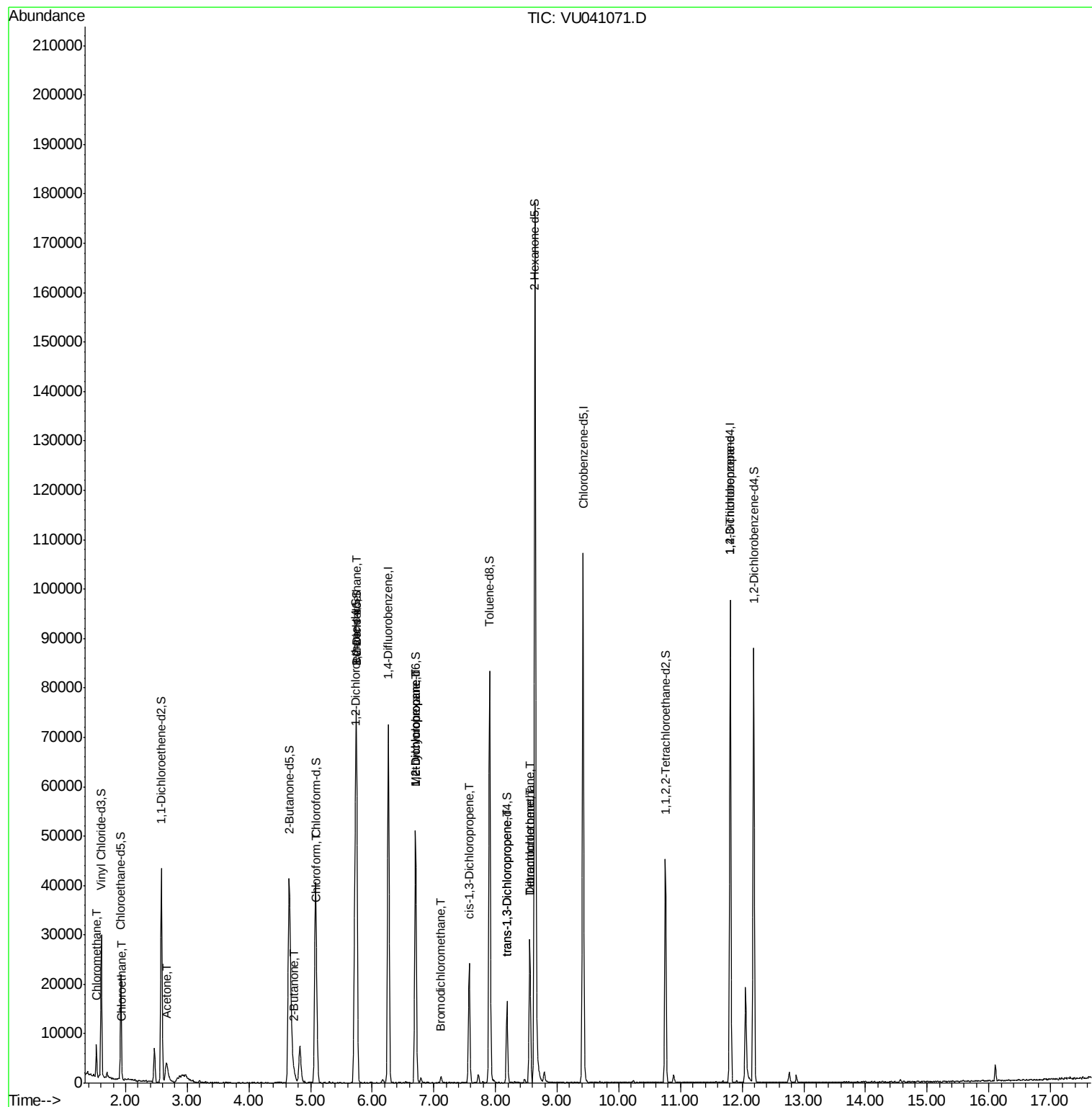
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	4337	0.851	ug/L	93
8) Chloroethane	1.95	64	241	0.076	ug/L #	43
13) Acetone	2.66	43	9430	9.313	ug/L #	67
21) 2-Butanone	4.74	43	1373	0.868	ug/L #	52
25) Chloroform	5.11	83	4031	0.523	ug/L	97
27) 1,2-Dichloroethane	5.74	62	283	0.049	ug/L #	74
35) Methylcyclohexane	6.70	83	5013	0.811	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2481	0.563	ug/L #	86
38) Bromodichloromethane	7.11	83	1002	0.175	ug/L #	95
39) cis-1,3-Dichloropropene	7.57	75	531	0.088	ug/L #	54
44) trans-1,3-Dichloropropene	8.19	75	378	0.067	ug/L #	81
47) Tetrachloroethene	8.56	164	6056	1.988	ug/L	93
49) Dibromochloromethane	8.56	129	6082	1.597	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3199	0.974	ug/L	92

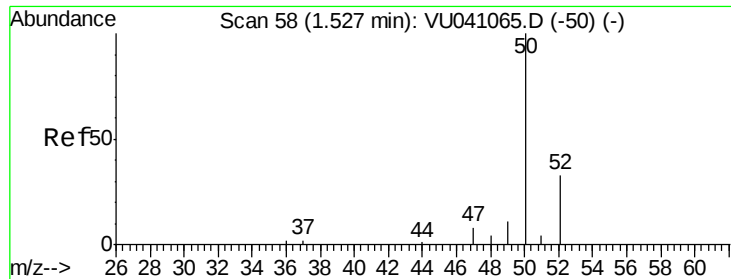
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.851 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041071.D

Acq: 03 Nov 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

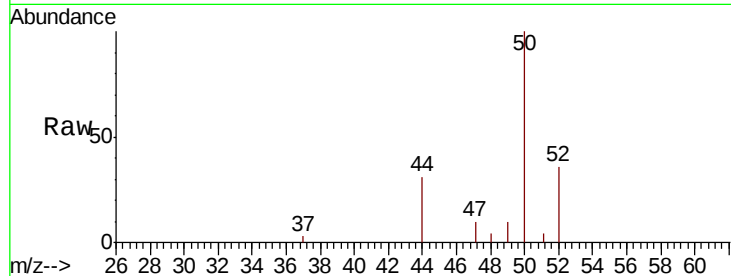
BFSH4

Tot Ion: 50 Resp: 4337

Ion Ratio Lower Upper

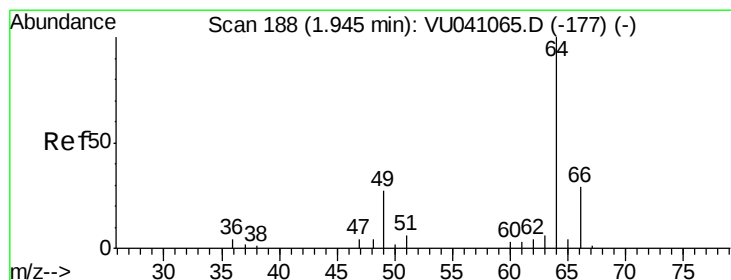
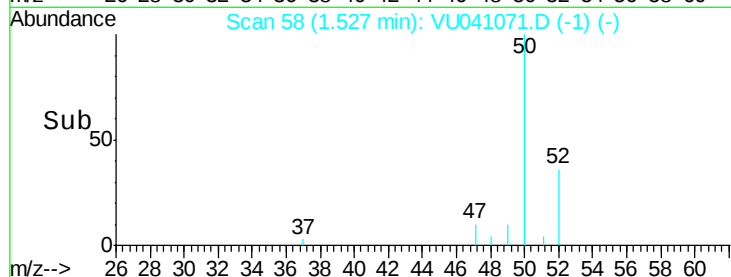
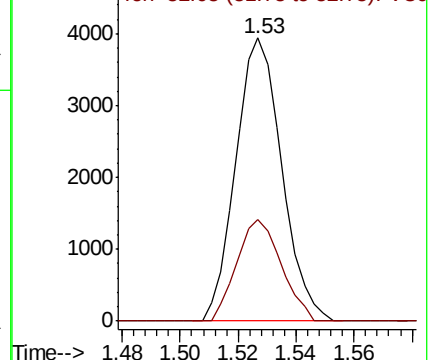
50 100

52 35.7 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.076 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU041071.D

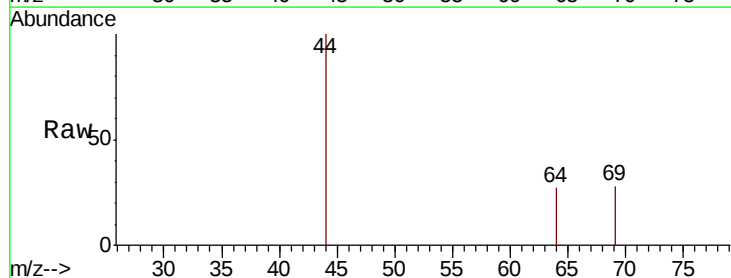
Acq: 03 Nov 2020 12:19

Tgt Ion: 64 Resp: 241

Ion Ratio Lower Upper

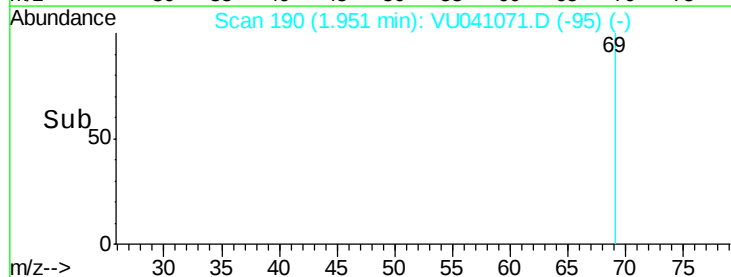
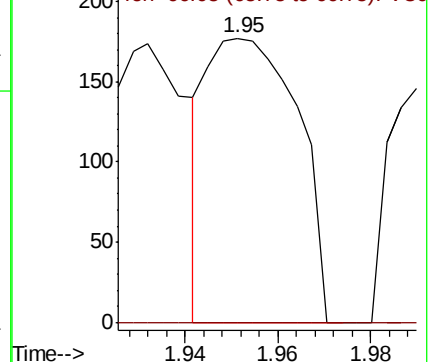
64 100

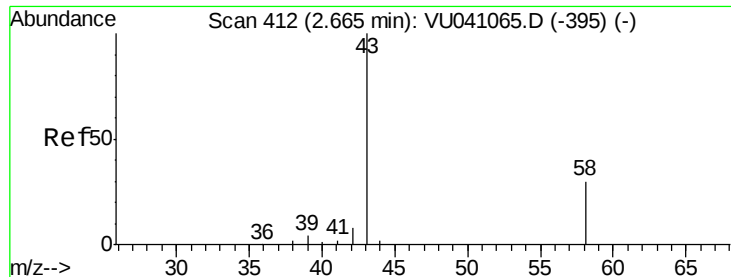
66 0.0 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 9.313 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU041071.D

Acq: 03 Nov 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

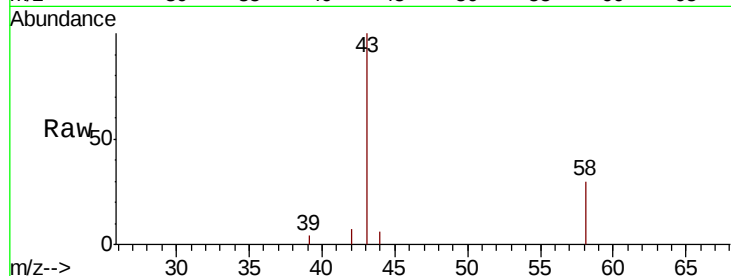
BFSH4

Tot Ion: 43 Resp: 9430

Ion Ratio Lower Upper

43 100

58 25.6 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041071.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU041071.D (-319) (-)

2.66

2500

2000

1500

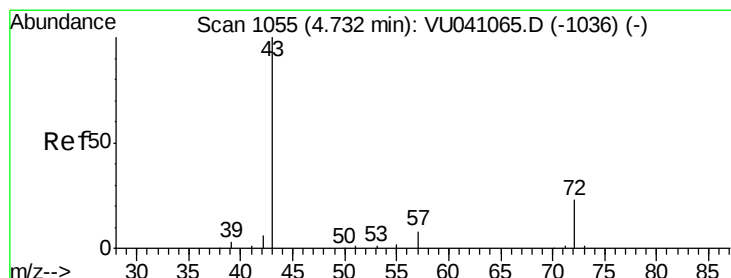
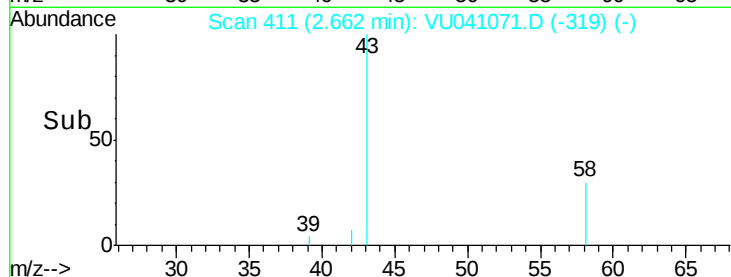
1000

500

0

Time-->

2.60 2.70 2.80



#21

2-Butanone

Concen: 0.868 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VU041071.D

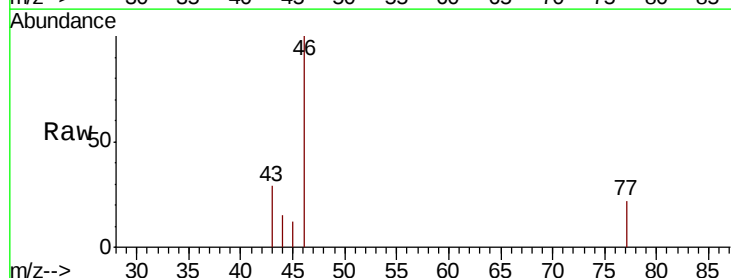
Acq: 03 Nov 2020 12:19

Tgt Ion: 43 Resp: 1373

Ion Ratio Lower Upper

43 100

72 0.0 11.8 35.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041071.D (-962) (-)

Ion 72.10 (71.80 to 72.80): VU041071.D (-962) (-)

4.74

5000

4000

3000

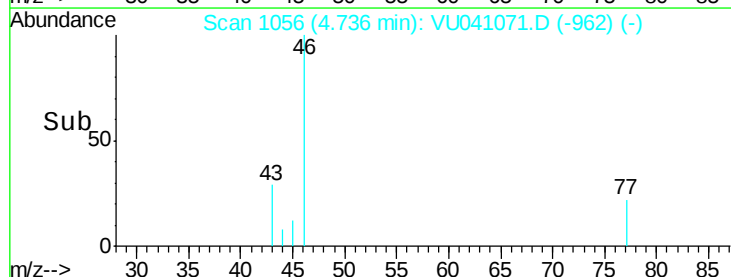
2000

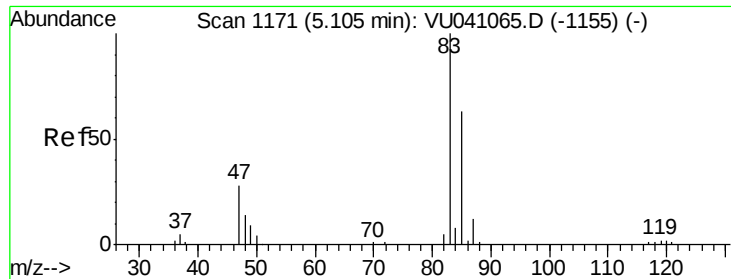
1000

0

Time-->

4.65 4.70 4.75 4.80

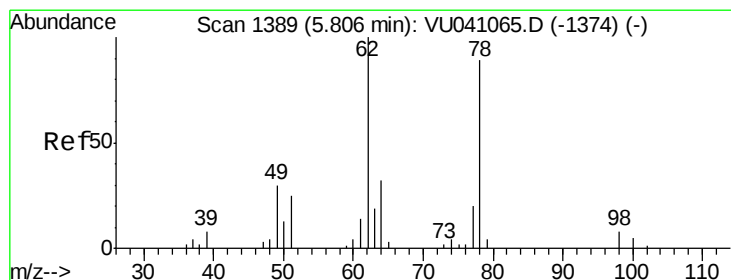
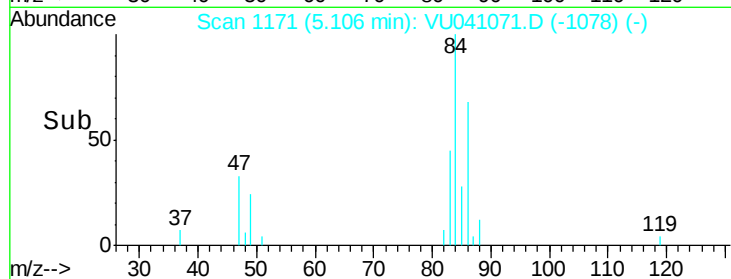
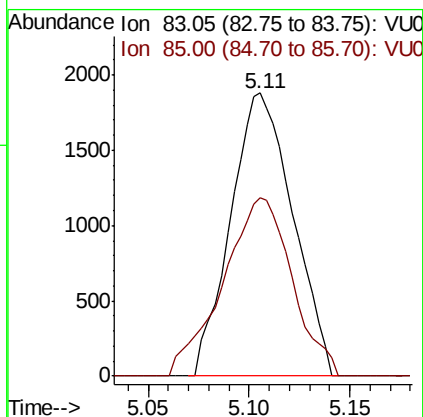
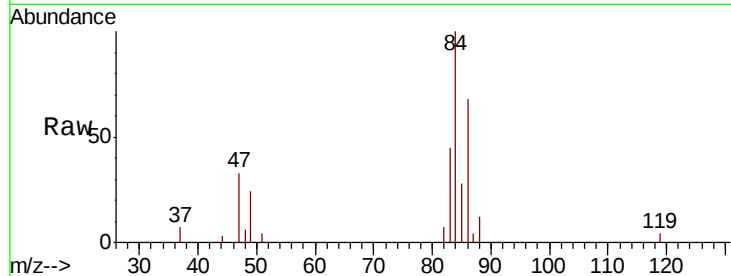




#25
Chloroform
Concen: 0.523 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041071.D
Acq: 03 Nov 2020 12:19

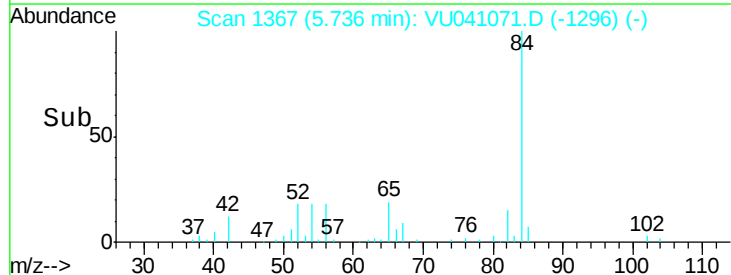
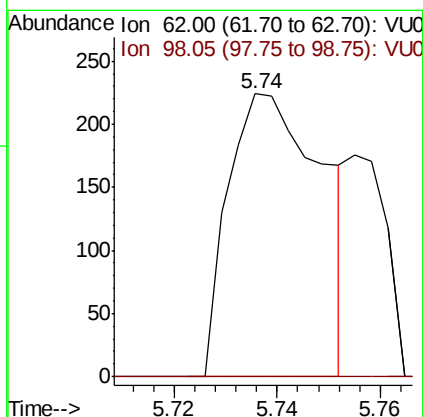
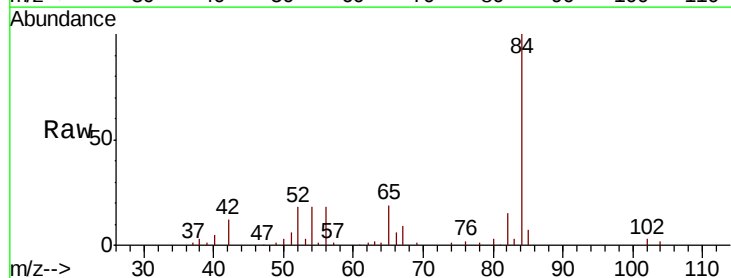
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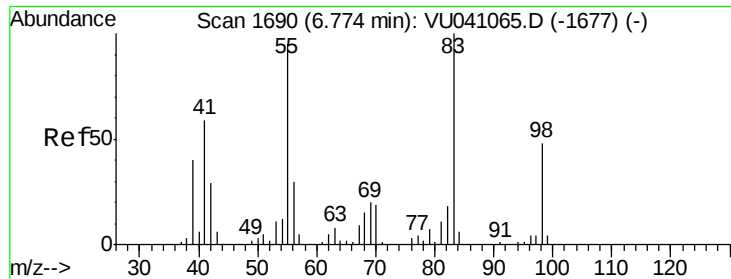
Tot Ion: 83 Resp: 4031
Ion Ratio Lower Upper
83 100
85 63.2 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.049 ug/L
RT: 5.74 min Scan# 1367
Delta R.T. -0.07 min
Lab File: VU041071.D
Acq: 03 Nov 2020 12:19

Tgt Ion: 62 Resp: 283
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#

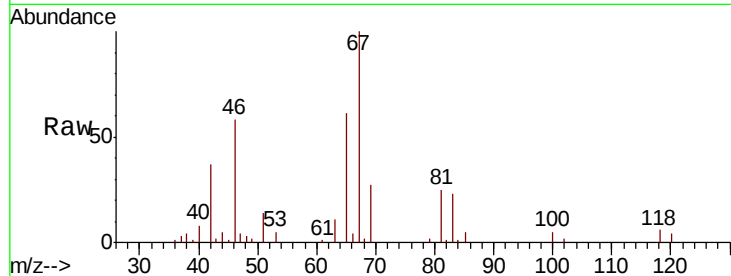




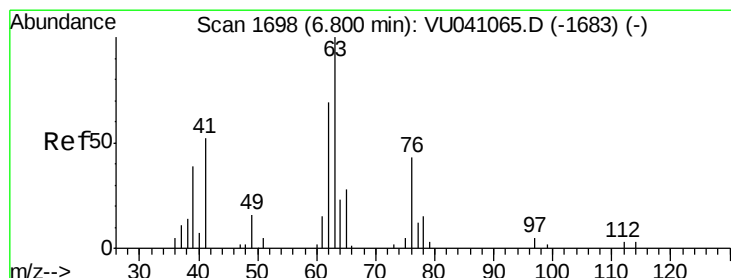
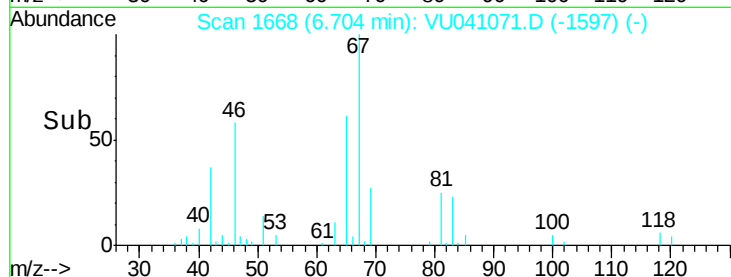
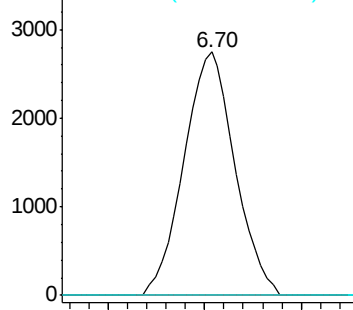
#35
Methvlcvclohexane
Concen: 0.811 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041071.D
Acq: 03 Nov 2020 12:19

Instrument :
MSVOA_U
ClientSampleId :
BFSH4

Tot Ion: 83 Resp: 5013
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

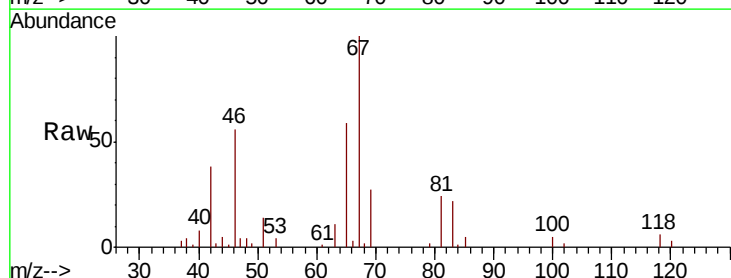


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

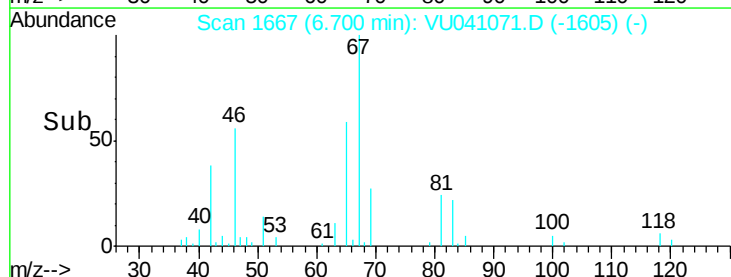
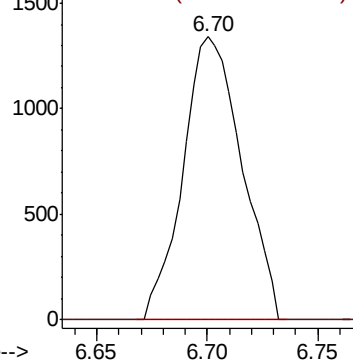


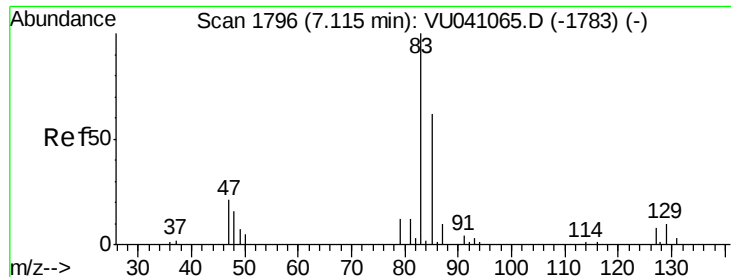
#37
1,2-Dichloropropane
Concen: 0.563 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU041071.D
Acq: 03 Nov 2020 12:19

Tgt Ion: 63 Resp: 2481
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

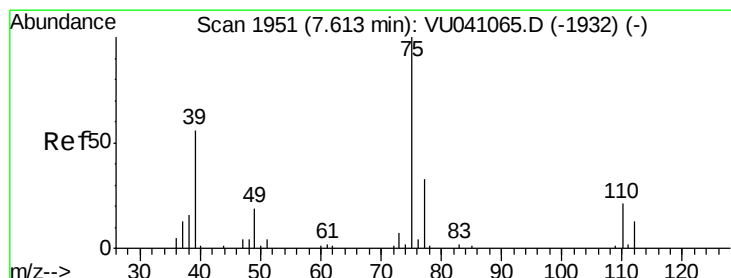
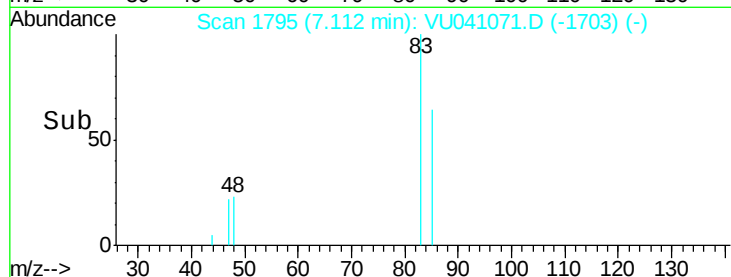
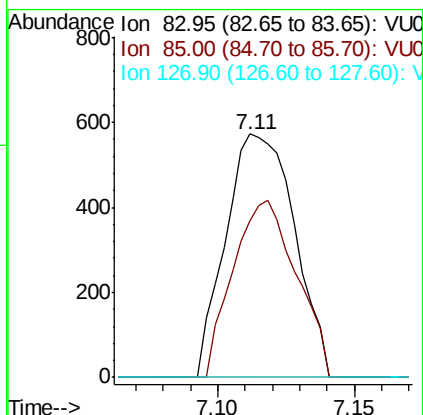
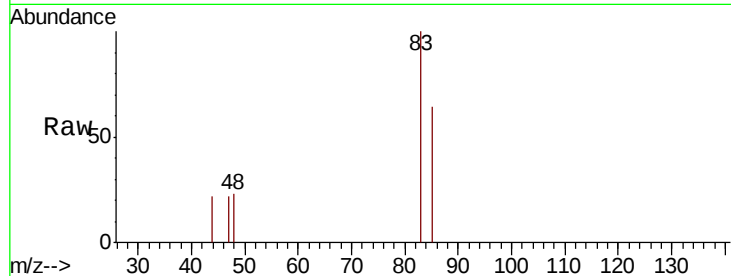




#38
 Bromodichloromethane
 Concen: 0.175 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041071.D
 Acq: 03 Nov 2020 12:19

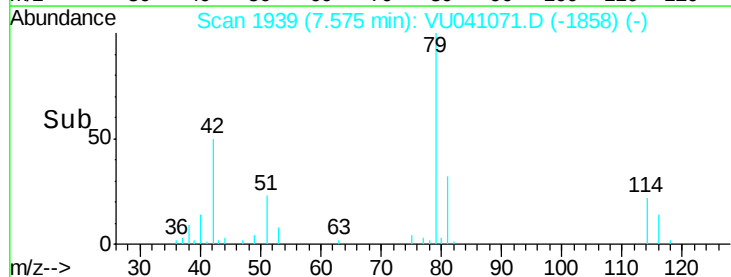
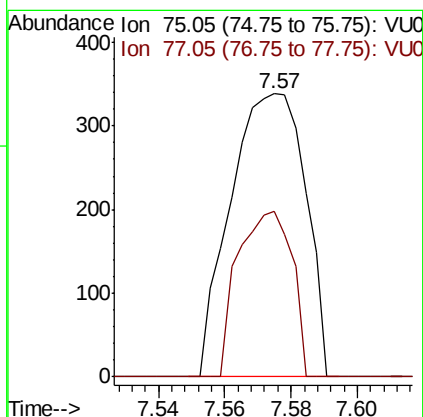
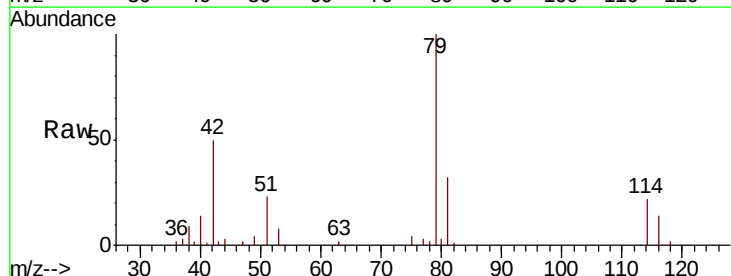
Instrument :
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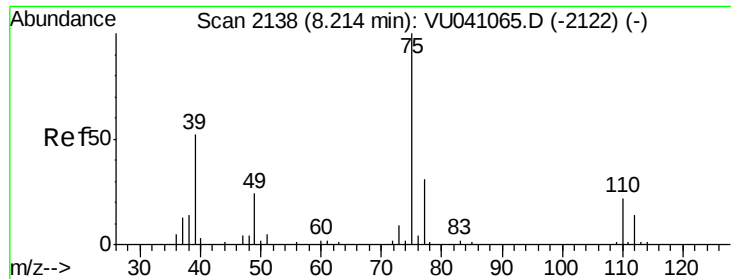
Tot Ion: 83 Resp: 1002
 Ion Ratio Lower Upper
 83 100
 85 64.4 43.3 80.3
 127 0.0 5.9 8.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.088 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041071.D
 Acq: 03 Nov 2020 12:19

Tgt Ion: 75 Resp: 531
 Ion Ratio Lower Upper
 75 100
 77 58.6 22.7 42.3#

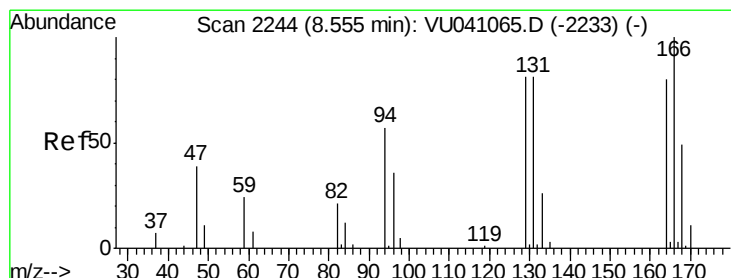
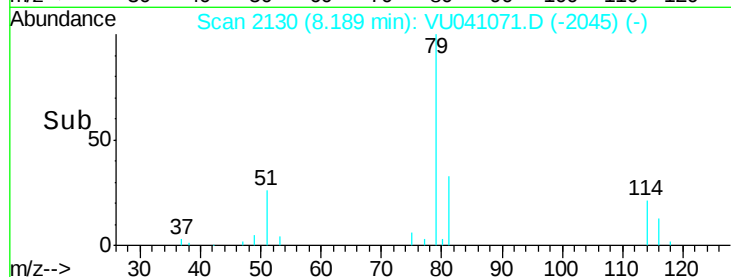
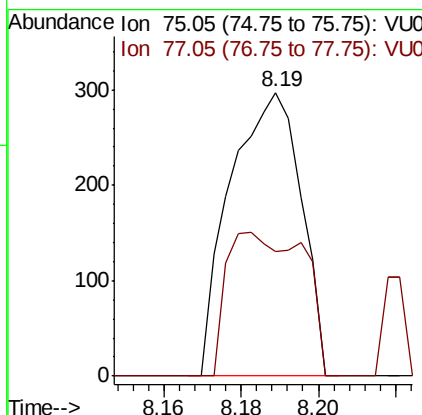
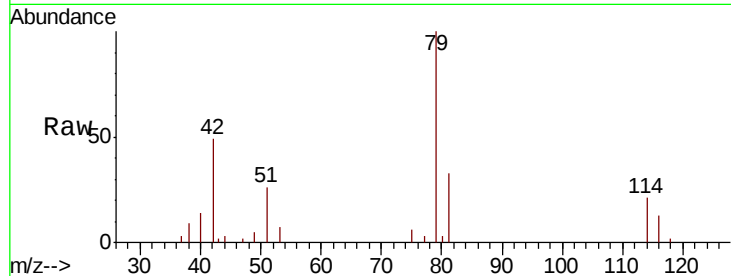




#44
trans-1,3-Dichloropropene
Concen: 0.067 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041071.D
Acq: 03 Nov 2020 12:19

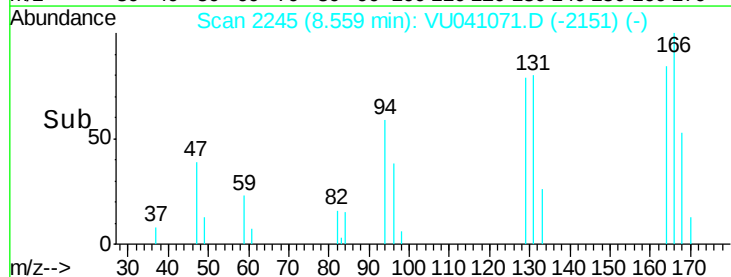
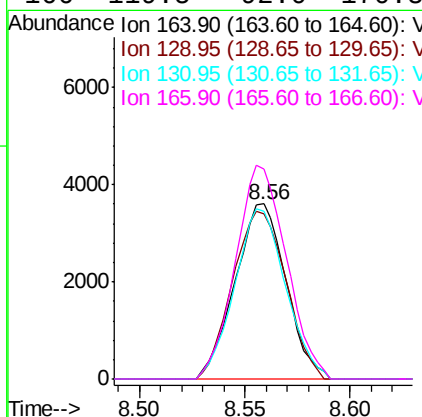
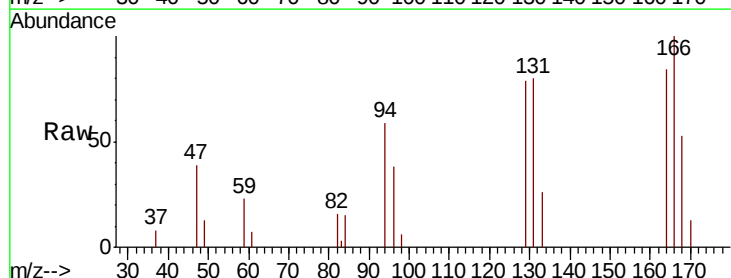
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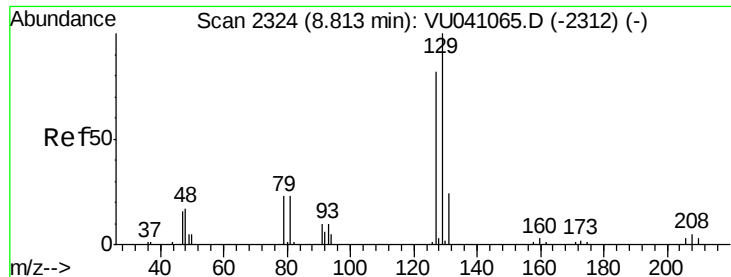
Tot Ion: 75 Resp: 378
Ion Ratio Lower Upper
75 100
77 44.1 23.3 43.3#



#47
Tetrachloroethene
Concen: 1.988 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041071.D
Acq: 03 Nov 2020 12:19

Tgt Ion:164 Resp: 6056
Ion Ratio Lower Upper
164 100
129 94.6 70.3 130.7
131 95.6 70.8 131.4
166 119.5 92.0 170.8





#49

Dibromochloromethane

Concen: 1.597 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041071.D

Acq: 03 Nov 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

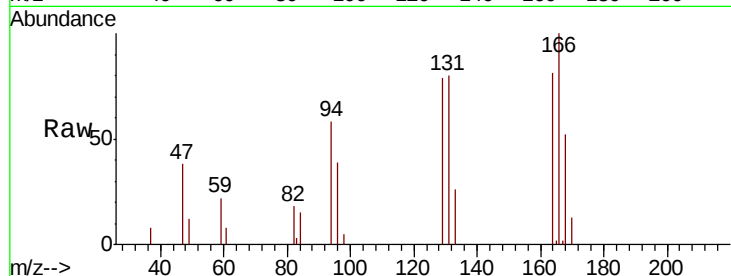
BFSH4

Tot Ion:129 Resp: 6082

Ion Ratio Lower Upper

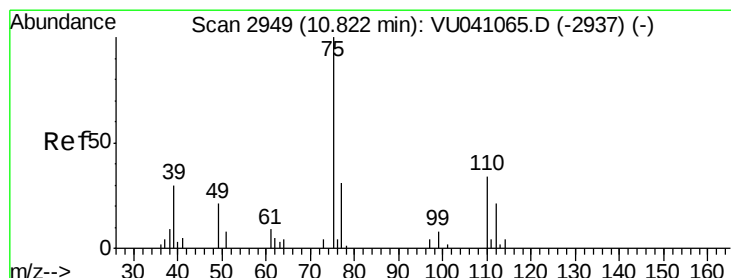
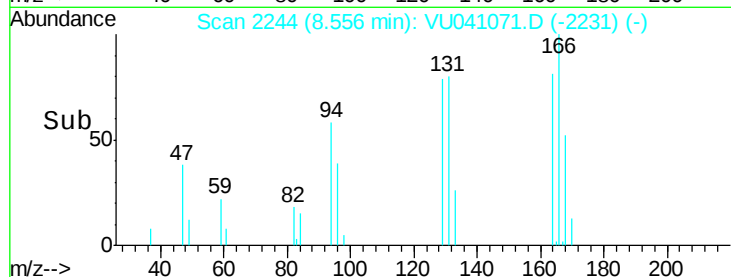
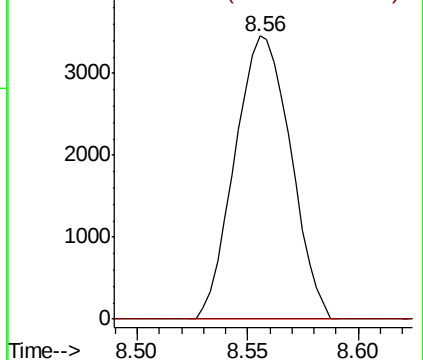
129 100

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



#59

1,2,3-Trichloropropane

Concen: 0.974 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041071.D

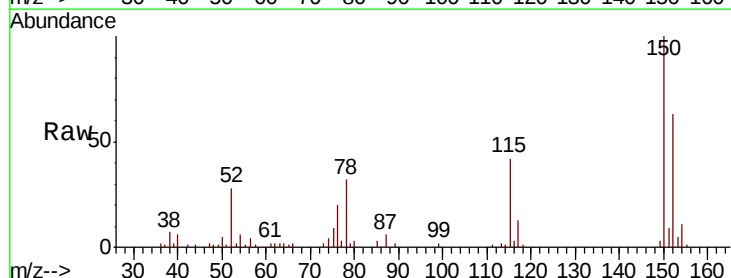
Acq: 03 Nov 2020 12:19

Tgt Ion: 75 Resp: 3199

Ion Ratio Lower Upper

75 100

77 36.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

