

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041079.D
 Acq On : 03 Nov 2020 15:27
 Operator : SY/MD
 Sample : L4614-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFST0

Quant Time: Nov 04 01:00:23 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	53588	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	55112	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23479	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	16972	3.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.40%
7) Chloroethane-d5	1.92	69	14246	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.58	63	25038	2.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.80%#
20) 2-Butanone-d5	4.65	46	77900	52.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.08%
24) Chloroform-d	5.08	84	34074	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.72	65	22747	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.74	84	62020	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	6.70	67	22162	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.91	98	48529	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.60%
43) trans-1,3-Dichloropropene-	8.19	79	8392	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.64	63	54006	48.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20321	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	21202	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

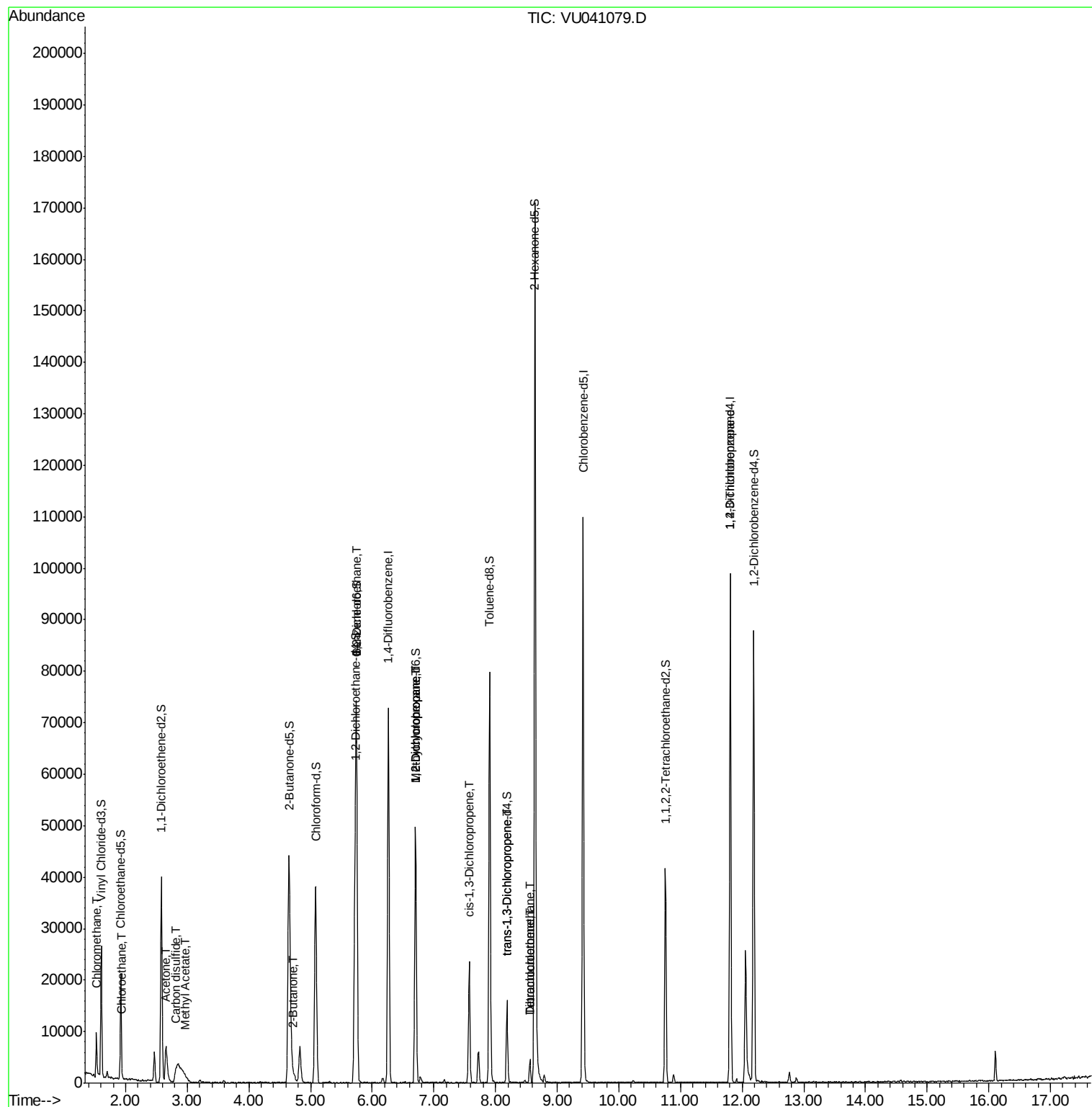
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	5589	1.096	ug/L	98
8) Chloroethane	1.95	64	189	0.059	ug/L #	43
13) Acetone	2.65	43	12215	12.051	ug/L #	54
14) Carbon disulfide	2.81	76	1079	0.085	ug/L #	74
15) Methyl Acetate	2.96	43	265	0.114	ug/L #	53
21) 2-Butanone	4.73	43	1169	0.738	ug/L #	52
27) 1,2-Dichloroethane	5.74	62	366	0.064	ug/L #	74
35) Methylcyclohexane	6.70	83	4744	0.759	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2438	0.547	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	532	0.087	ug/L #	75
44) trans-1,3-Dichloropropene	8.18	75	361	0.063	ug/L #	41
47) Tetrachloroethene	8.56	164	885	0.287	ug/L	89
49) Dibromochloromethane	8.56	129	1084	0.281	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3263	0.983	ug/L	93

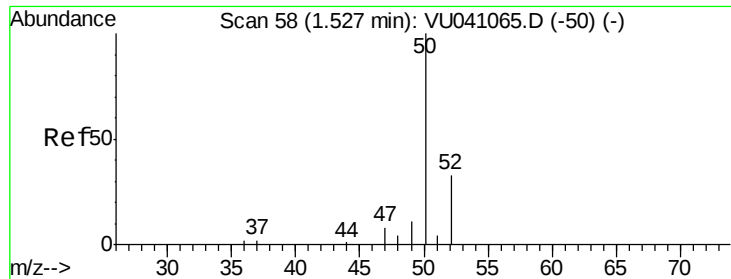
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#3

Chloromethane

Concen: 1.096 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041079.D

Acq: 03 Nov 2020 15:27

Instrument :

MSVOA_U

ClientSampled :

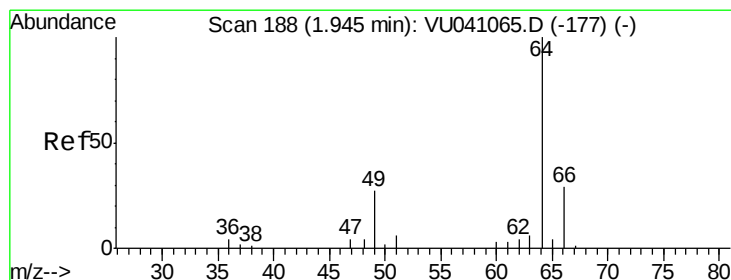
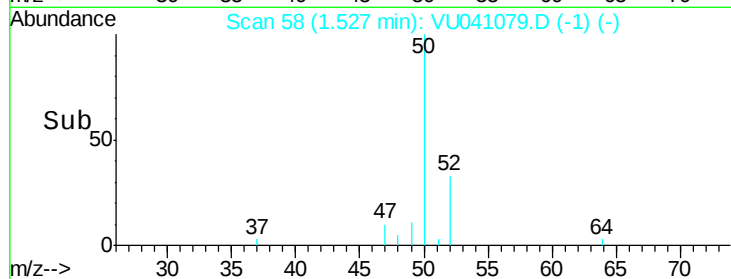
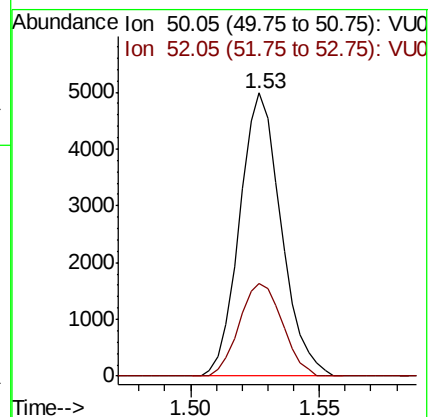
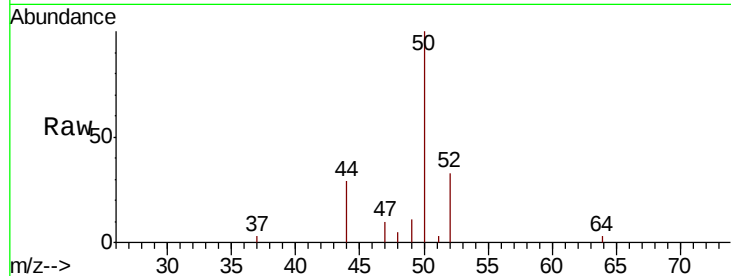
BFST0

Tot Ion: 50 Resp: 5589

Ion Ratio Lower Upper

50 100

52 32.9 22.4 41.6



#8

Chloroethane

Concen: 0.059 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU041079.D

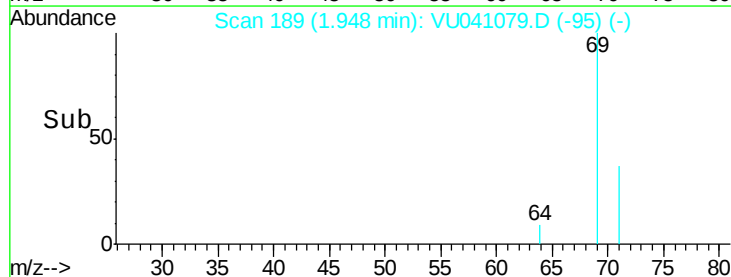
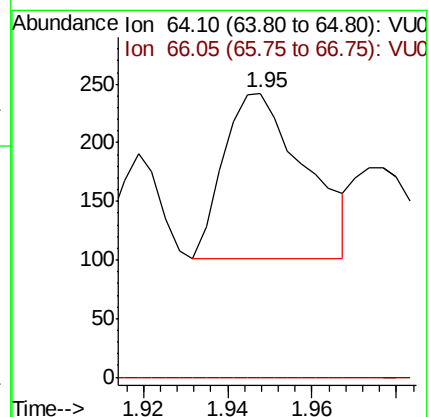
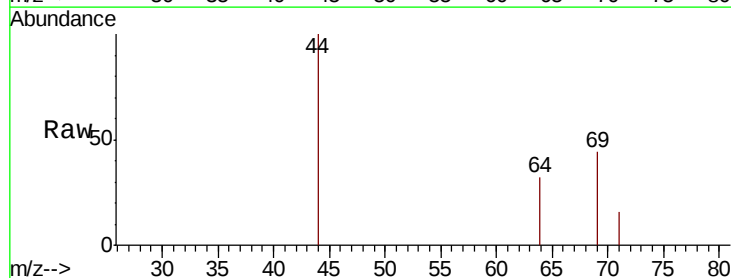
Acq: 03 Nov 2020 15:27

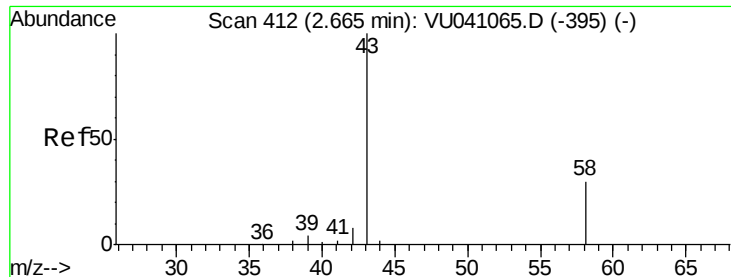
Tgt Ion: 64 Resp: 189

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#





#13

Acetone

Concen: 12.051 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: VU041079.D

Acq: 03 Nov 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

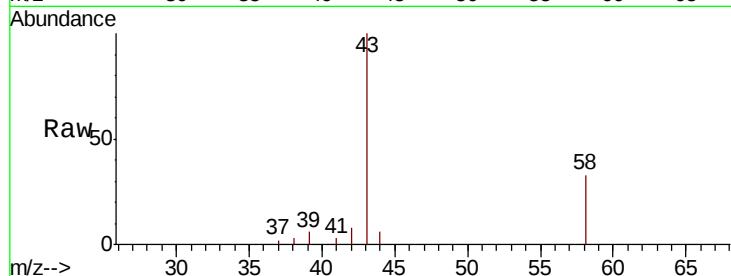
BFST0

Tot Ion: 43 Resp: 12215

Ion Ratio Lower Upper

43 100

58 30.8 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041079.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU041079.D (-319) (-)

2.65

4000

3000

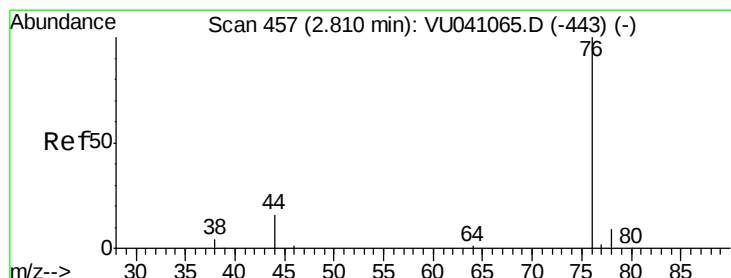
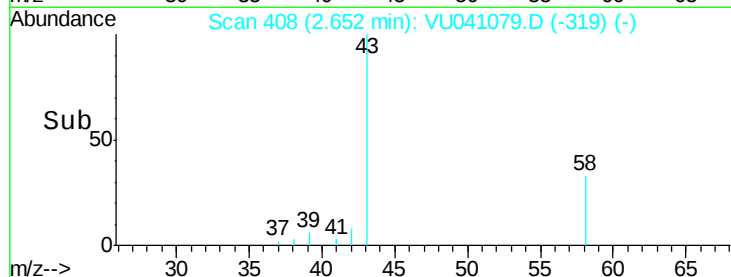
2000

1000

0

Time-->

2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 0.085 ug/L

RT: 2.81 min Scan# 458

Delta R.T. 0.00 min

Lab File: VU041079.D

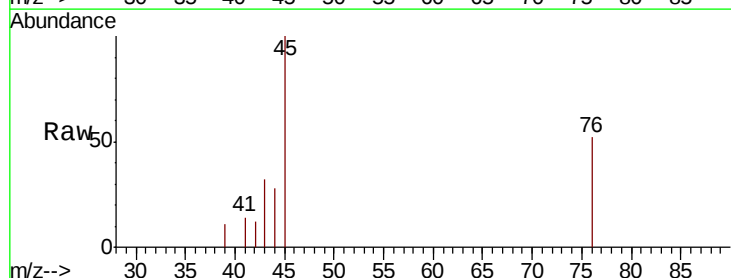
Acq: 03 Nov 2020 15:27

Tgt Ion: 76 Resp: 1079

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU041079.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VU041079.D (-364) (-)

2.81

600

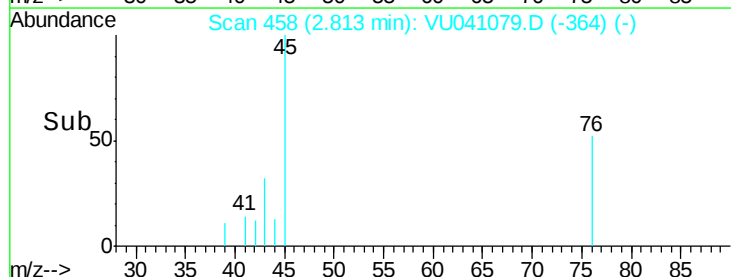
400

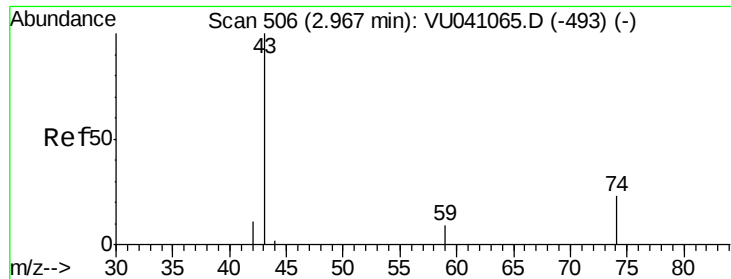
200

0

Time-->

2.76 2.78 2.80 2.82 2.84

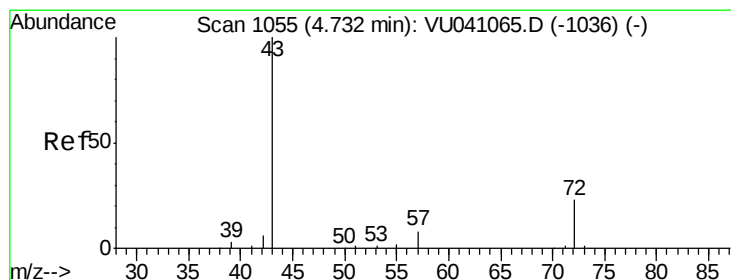
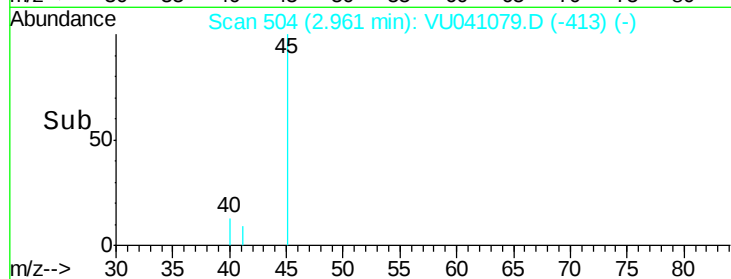
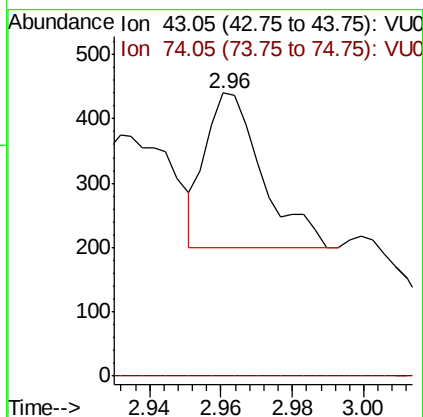
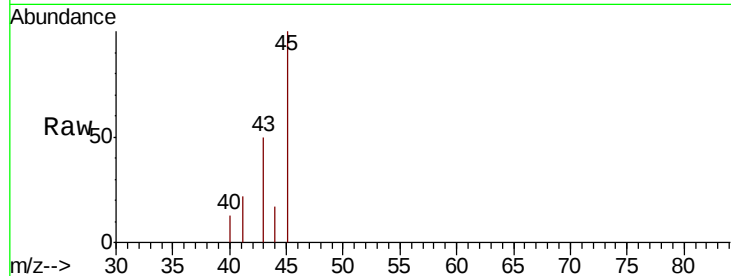




#15
Methvl Acetate
Concen: 0.114 ug/L
RT: 2.96 min Scan# 504
Delta R.T. -0.01 min
Lab File: VU041079.D
Acq: 03 Nov 2020 15:27

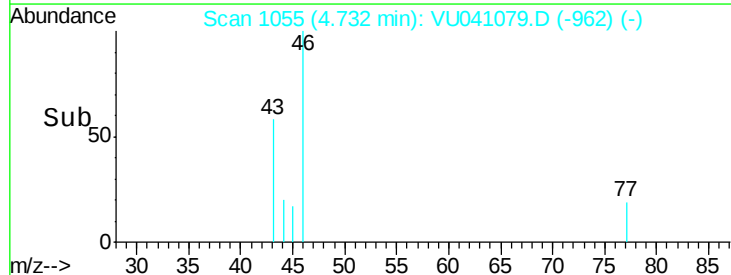
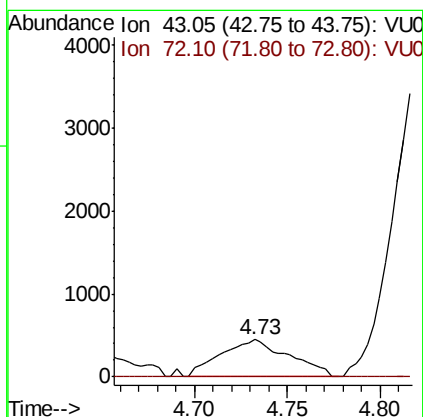
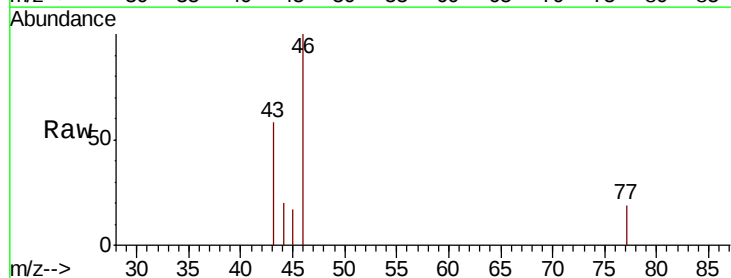
Instrument :
MSVOA_U
ClientSampleId :
BFST0

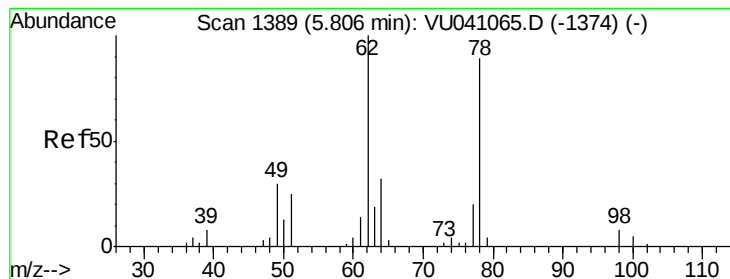
Tot Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#21
2-Butanone
Concen: 0.738 ug/L
RT: 4.73 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VU041079.D
Acq: 03 Nov 2020 15:27

Tgt Ion: 43 Resp: 1169
Ion Ratio Lower Upper
43 100
72 0.0 11.8 35.4#





#27

1,2-Dichloroethane

Concen: 0.064 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.06 min

Lab File: VU041079.D

Acq: 03 Nov 2020 15:27

Instrument :

MSVOA_U

ClientSampled :

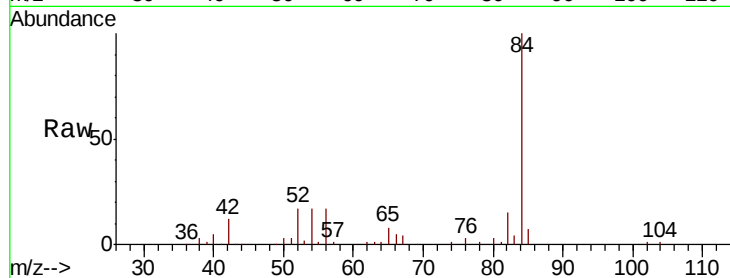
BFST0

Tot Ion: 62 Resp: 366

Ion Ratio Lower Upper

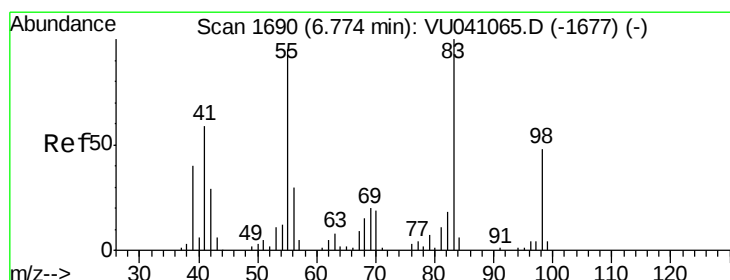
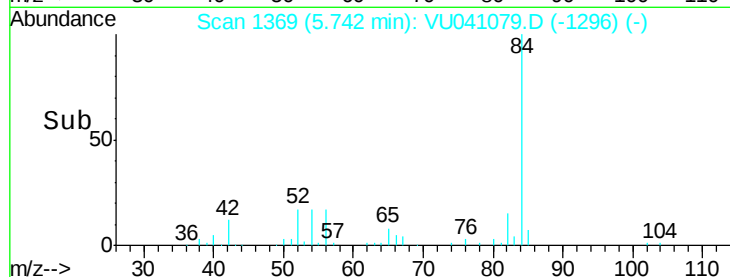
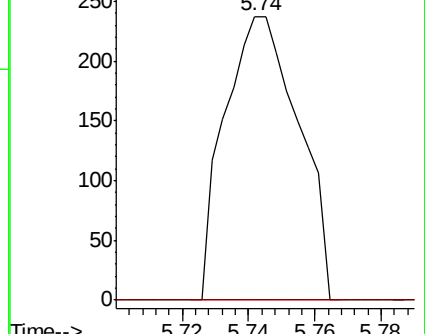
62 100

98 0.0 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#35

Methylcyclohexane

Concen: 0.759 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU041079.D

Acq: 03 Nov 2020 15:27

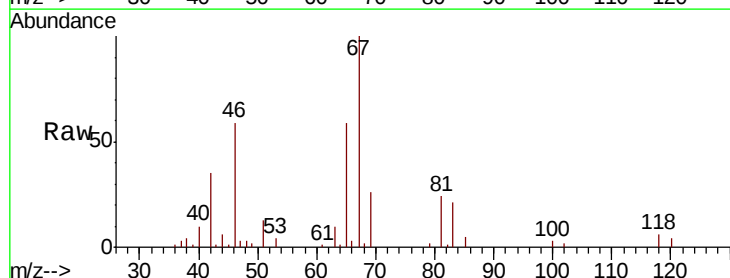
Tgt Ion: 83 Resp: 4744

Ion Ratio Lower Upper

83 100

55 0.0 72.0 108.0#

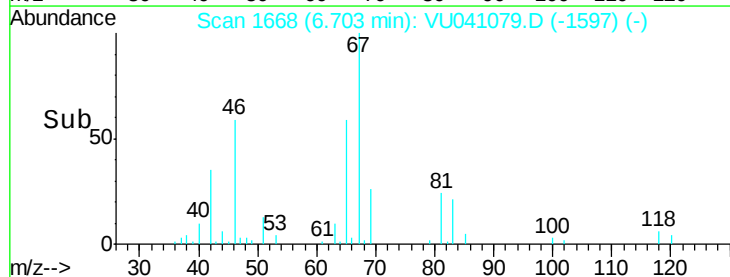
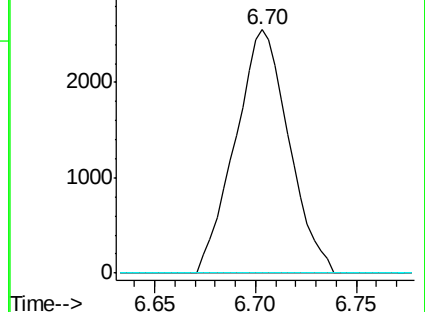
98 0.0 36.6 55.0#

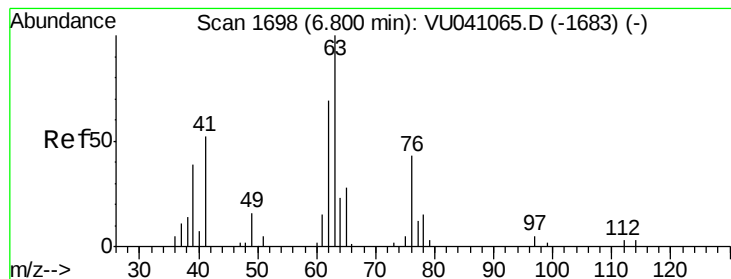


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.547 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU041079.D

Acq: 03 Nov 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

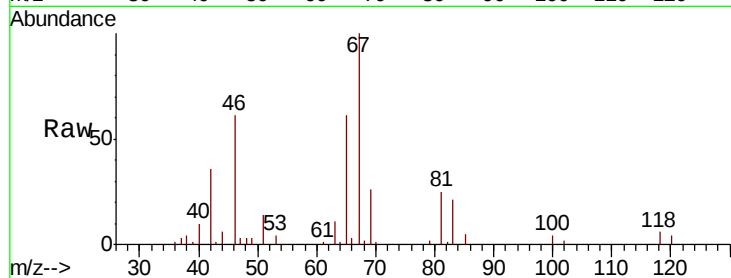
BFST0

Tot Ion: 63 Resp: 2438

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) (-)

6.70

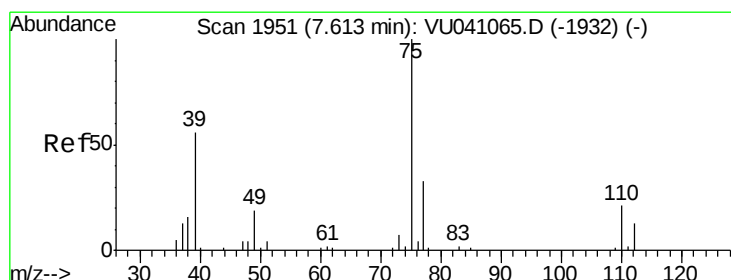
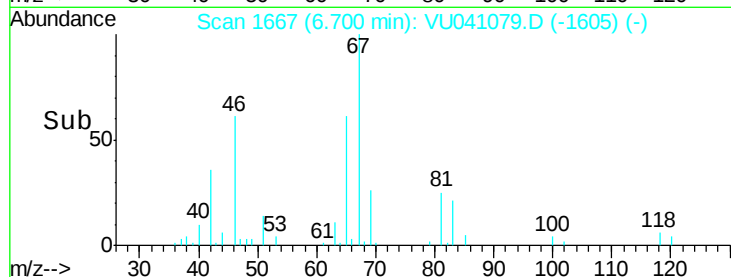
1000

500

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041079.D

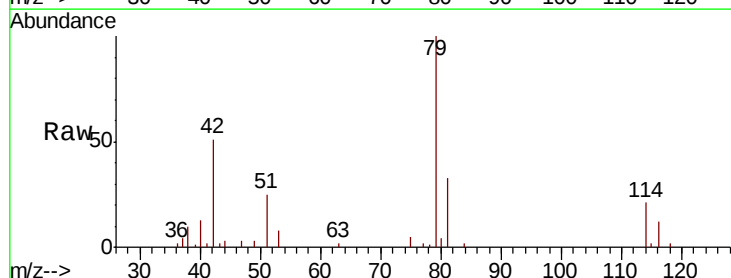
Acq: 03 Nov 2020 15:27

Tgt Ion: 75 Resp: 532

Ion Ratio Lower Upper

75 100

77 46.3 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) (-)

7.57

400

300

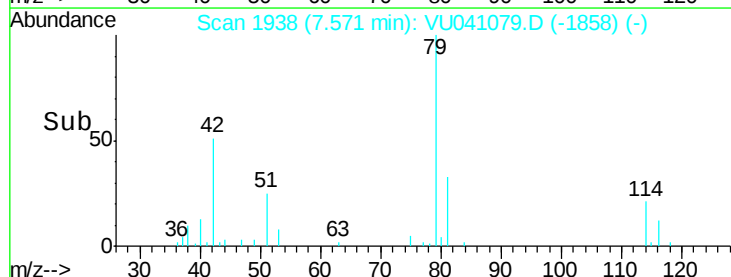
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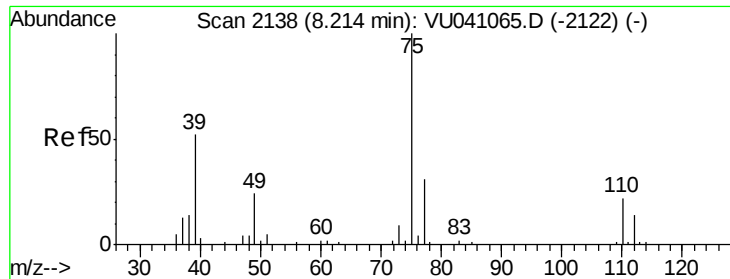
100

0

7.54 7.56 7.58 7.60

Time-->

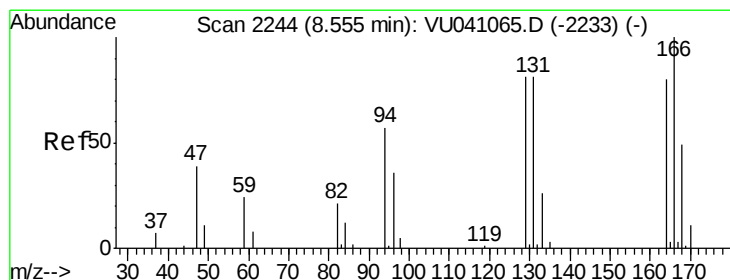
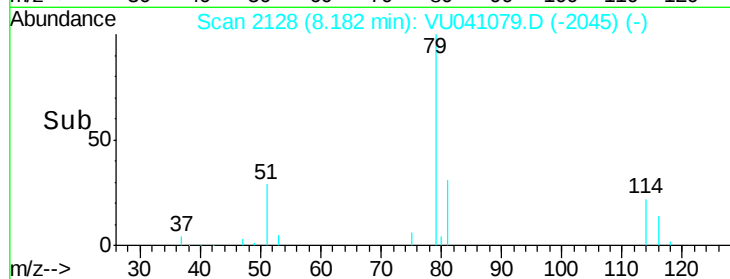
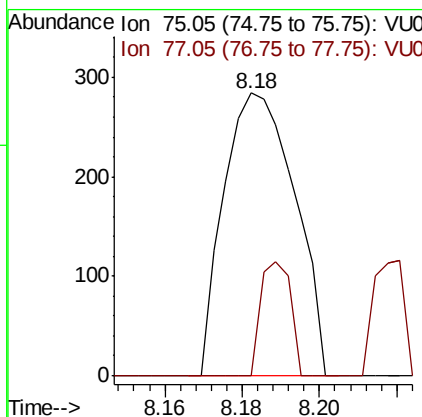
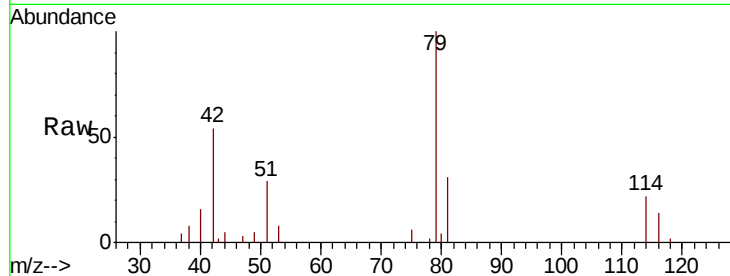




#44
trans-1,3-Dichloropropene
Concen: 0.063 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU041079.D
Acq: 03 Nov 2020 15:27

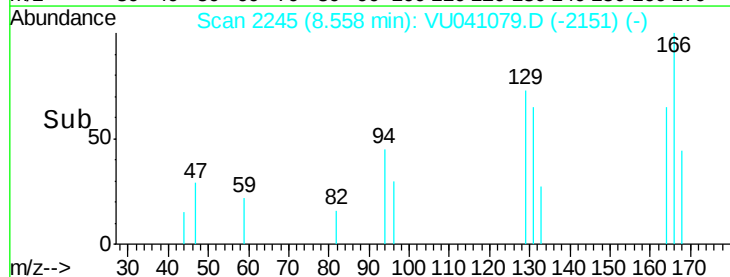
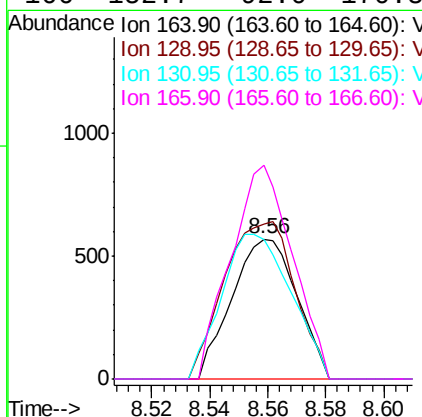
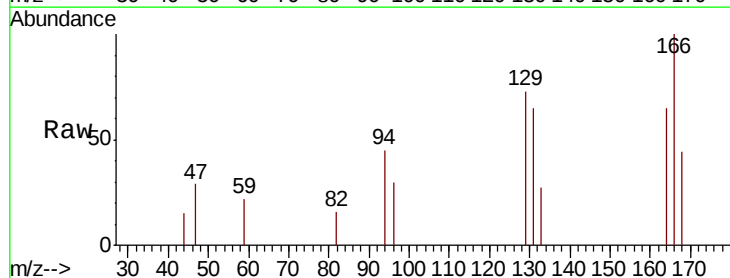
Instrument :
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BFST0

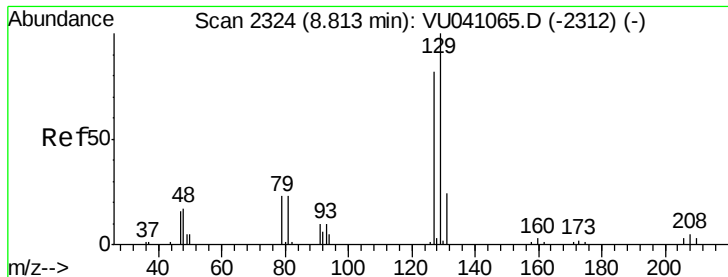
Tot Ion: 75 Resp: 361
Ion Ratio Lower Upper
75 100
77 0.0 23.3 43.3#



#47
Tetrachloroethene
Concen: 0.287 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041079.D
Acq: 03 Nov 2020 15:27

Tgt Ion:164 Resp: 885
Ion Ratio Lower Upper
164 100
129 111.1 70.3 130.7
131 99.6 70.8 131.4
166 152.7 92.0 170.8





#49

Dibromochloromethane

Concen: 0.281 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. -0.25 min

Lab File: VU041079.D

Acq: 03 Nov 2020 15:27

Instrument :

MSVOA_U

ClientSampleId :

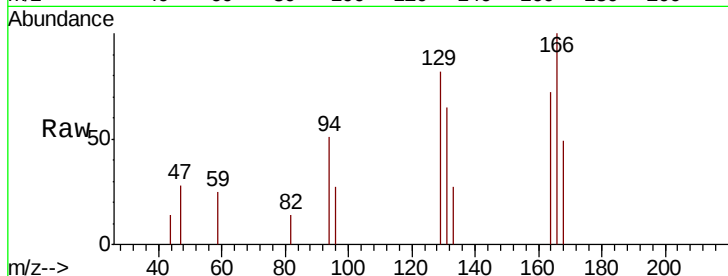
BFST0

Tot Ion:129 Resp: 1084

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

600

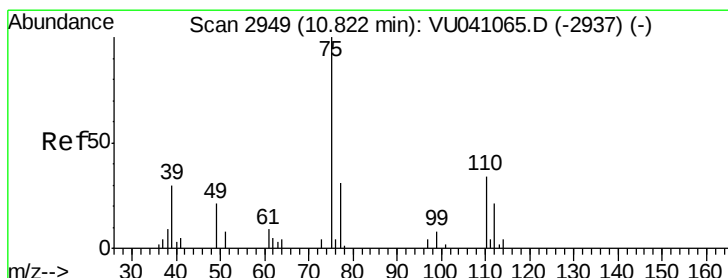
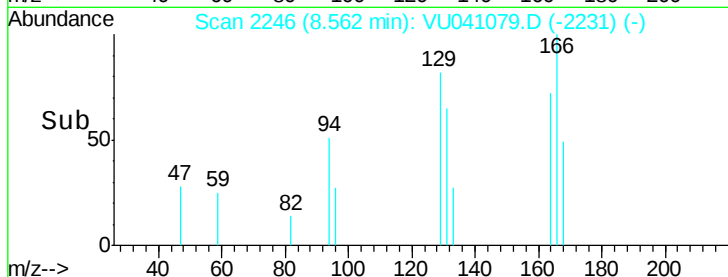
400

200

0

8.55 8.60

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.983 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041079.D

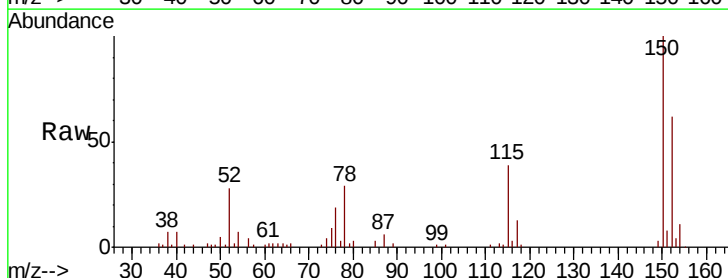
Acq: 03 Nov 2020 15:27

Tgt Ion: 75 Resp: 3263

Ion Ratio Lower Upper

75 100

77 36.3 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

11.75 11.80 11.85

Time-->

