

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040594.D
 Acq On : 09 Oct 2020 19:11
 Operator : SY/MD
 Sample : L4349-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSE5

Quant Time: Oct 10 04:23:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 04:13:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	126072	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127874	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57512	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	48532	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.92	69	39626	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.58	63	70678	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.66	46	187289	56.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.06%
24) Chloroform-d	5.08	84	91614	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.72	65	57058	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.74	84	171116	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.70	67	58327	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.91	98	140672	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	8.19	79	23287	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.64	63	132821	53.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.28%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50863	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	56980	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	7300	0.683	ug/L	98
8) Chloroethane	1.94	64	389	0.054	ug/L #	75
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	609	0.058	ug/L #	20
12) 1,1-Dichloroethene	2.58	96	527	0.059	ug/L #	1
13) Acetone	2.67	43	10802	4.169	ug/L	89
25) Chloroform	5.10	83	1645	0.083	ug/L	89
27) 1,2-Dichloroethane	5.75	62	1237	0.088	ug/L #	77
34) Trichloroethene	6.56	95	957	0.090	ug/L	91
35) Methylcyclohexane	6.70	83	13815	0.915	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6873	0.600	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1651	0.106	ug/L #	54
44) trans-1,3-Dichloropropene	8.19	75	1151	0.080	ug/L #	82
45) 1,1,2-Trichloroethane	8.55	97	1072	0.125	ug/L #	31
47) Tetrachloroethene	8.56	164	105991	13.951	ug/L	95
49) Dibromochloromethane	8.56	129	104845	10.629	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	7398	0.880	ug/L #	87

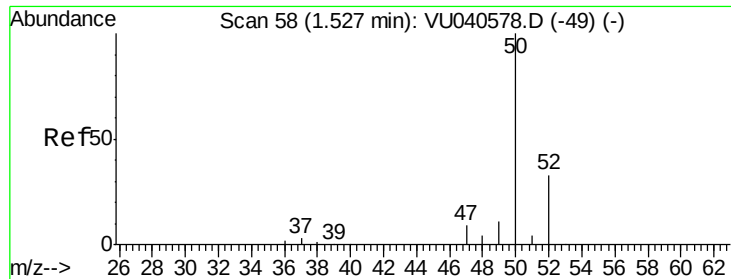
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100920\
Data File : VU040594.D
Acq On : 09 Oct 2020 19:11
Operator : SY/MD
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 10 04:13:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3

Chloromethane

Concen: 0.683 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040594.D

Acq: 09 Oct 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

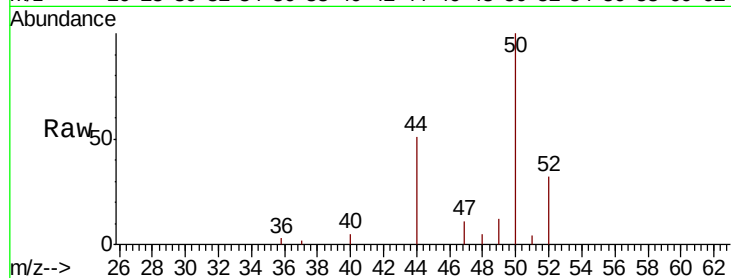
BFSE5

Tot Ion: 50 Resp: 7300

Ion Ratio Lower Upper

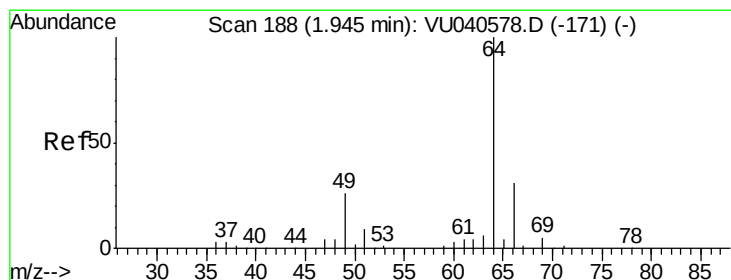
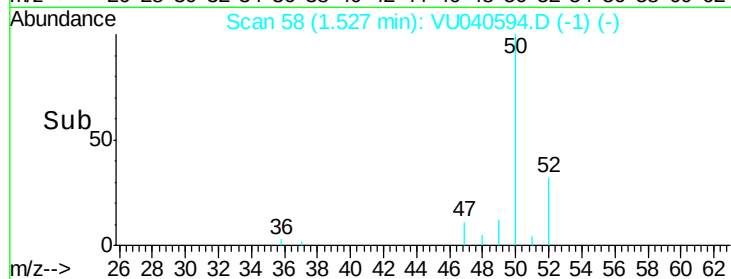
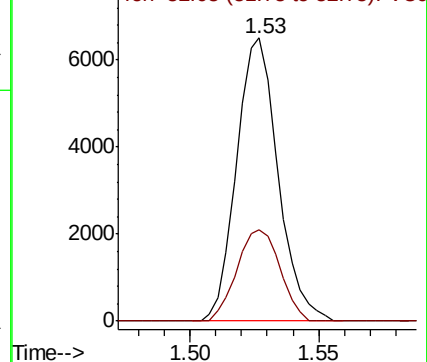
50 100

52 32.4 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.054 ug/L

RT: 1.94 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU040594.D

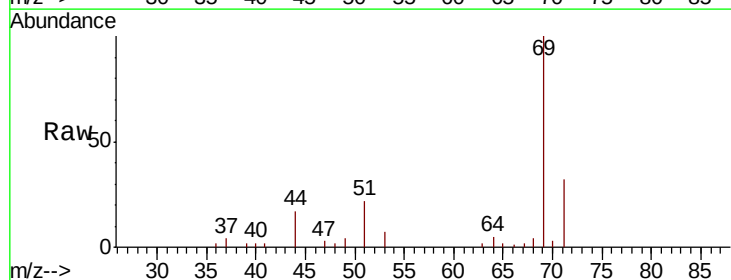
Acq: 09 Oct 2020 19:11

Tgt Ion: 64 Resp: 389

Ion Ratio Lower Upper

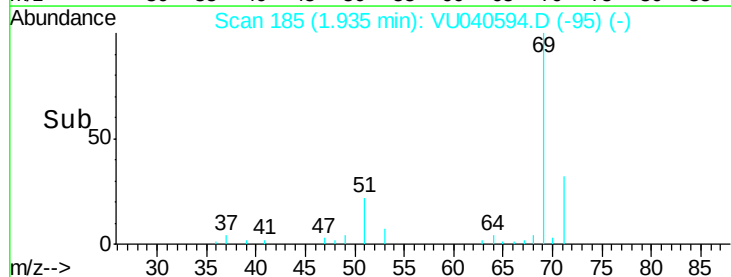
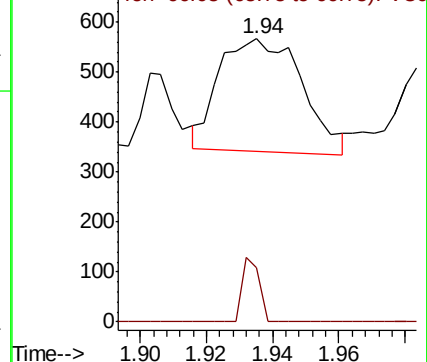
64 100

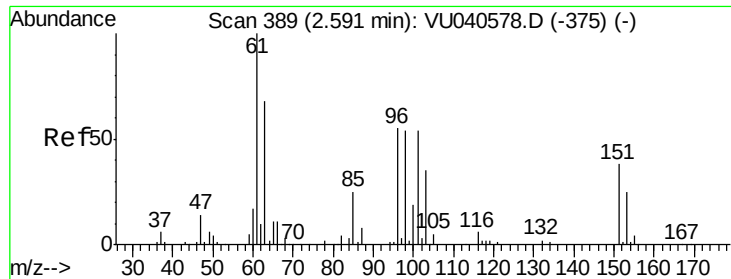
66 19.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.058 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040594.D

Acq: 09 Oct 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

BFSE5

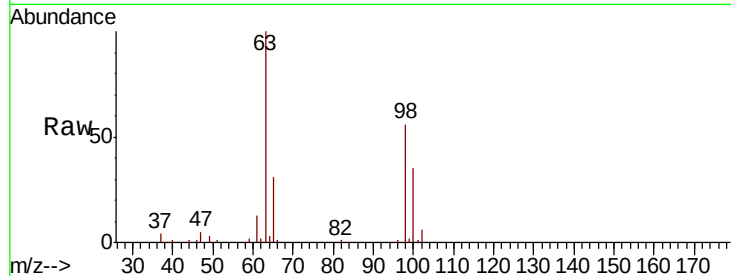
Tot Ion:101 Resp: 609

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

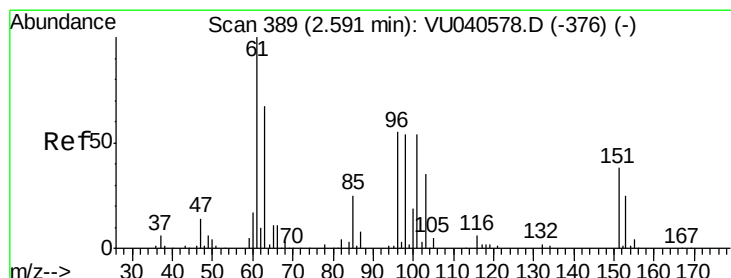
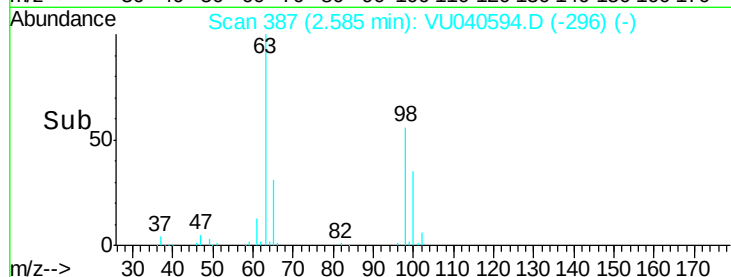
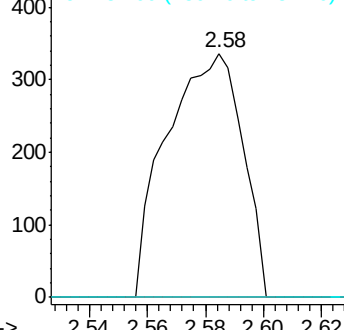
151 0.0 58.0 87.0#



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



#12

1,1-Dichloroethene

Concen: 0.059 ug/L

RT: 2.58 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040594.D

Acq: 09 Oct 2020 19:11

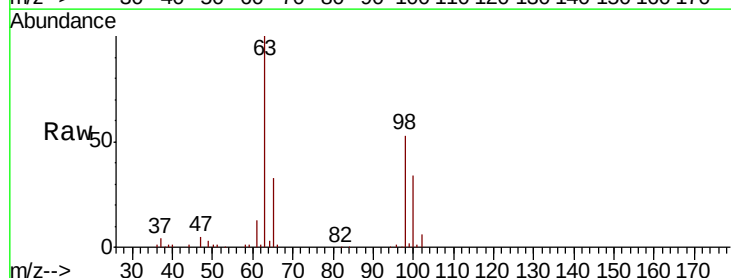
Tgt Ion: 96 Resp: 527

Ion Ratio Lower Upper

96 100

61 1710.0 128.8 239.2#

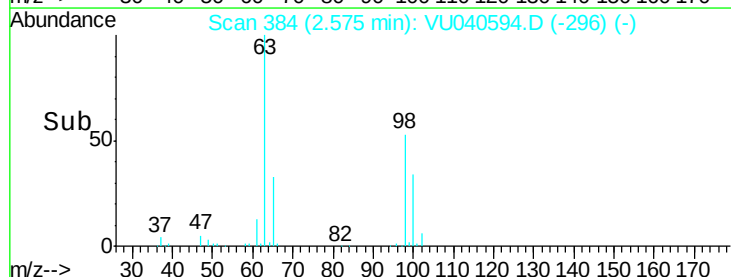
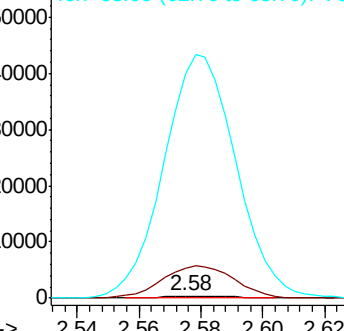
63 12895.5 84.6 157.2#

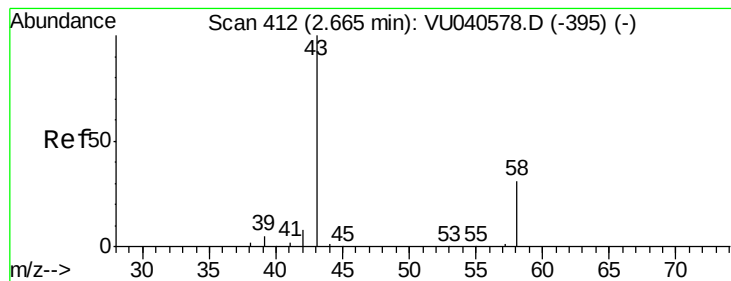


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.169 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040594.D

Acq: 09 Oct 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

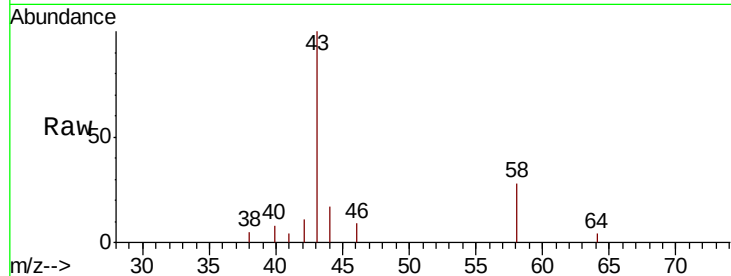
BFSE5

Tot Ion: 43 Resp: 10802

Ion Ratio Lower Upper

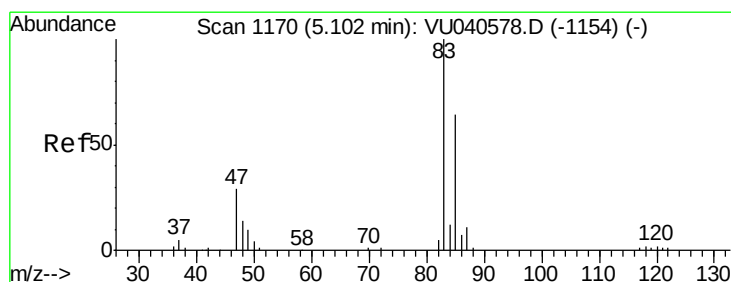
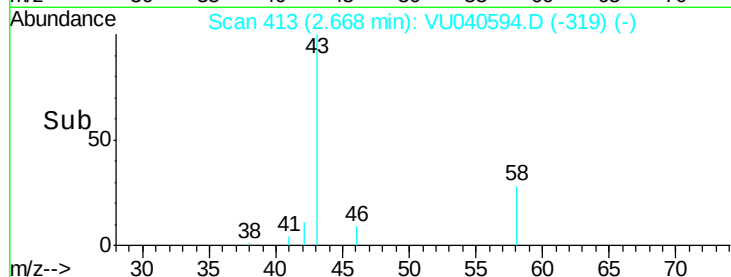
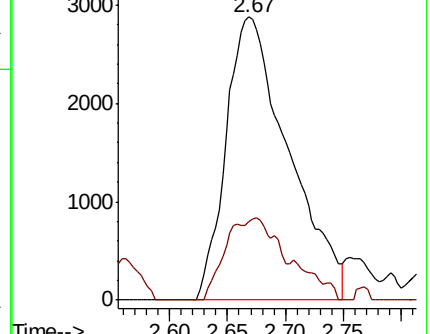
43 100

58 24.1 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#25

Chloroform

Concen: 0.083 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VU040594.D

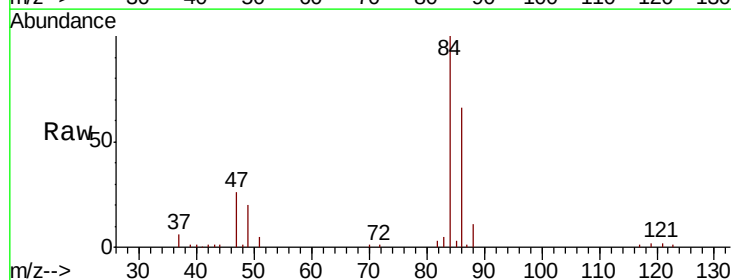
Acq: 09 Oct 2020 19:11

Tgt Ion: 83 Resp: 1645

Ion Ratio Lower Upper

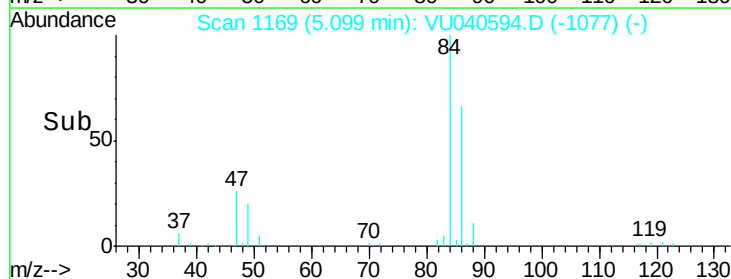
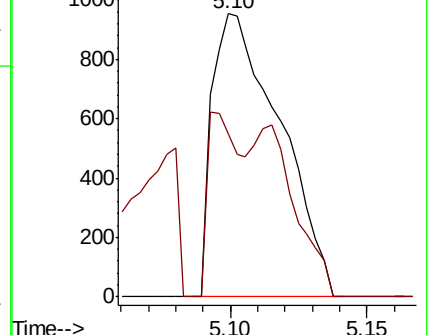
83 100

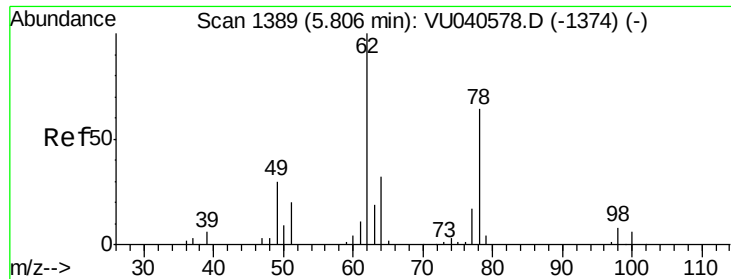
85 57.7 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.088 ug/L

RT: 5.75 min Scan# 1370

Delta R.T. -0.06 min

Lab File: VU040594.D

Acq: 09 Oct 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

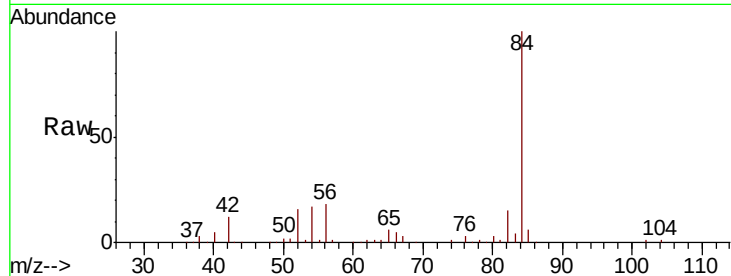
BFSE5

Tot Ion: 62 Resp: 1237

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU040578.D (-1374) (-)

Ion 98.05 (97.75 to 98.75): VU040578.D (-1374) (-)

5.75

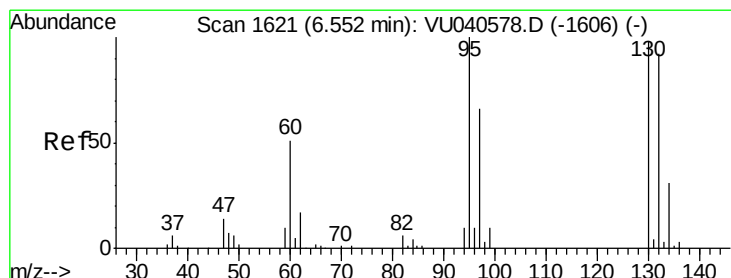
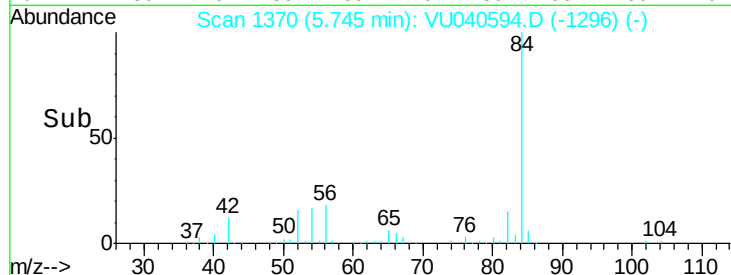
600

400

200

0

Time-->



#34

Trichloroethene

Concen: 0.090 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VU040594.D

Acq: 09 Oct 2020 19:11

Tgt Ion: 95 Resp: 957

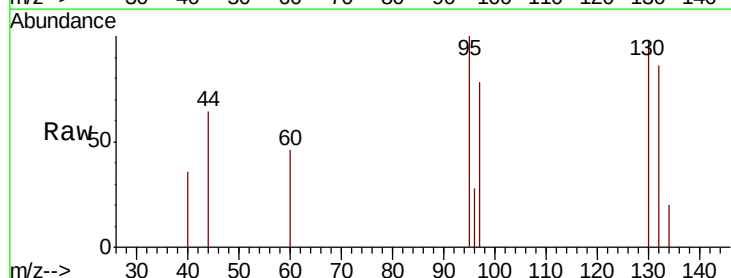
Ion Ratio Lower Upper

95 100

97 77.8 45.5 84.5

132 85.8 67.5 125.4

130 98.0 69.9 129.9



Abundance Ion 95.00 (94.70 to 95.70): VU040578.D (-1606) (-)

Ion 96.95 (96.65 to 97.65): VU040578.D (-1606) (-)

Ion 131.95 (131.65 to 132.65): VU040578.D (-1606) (-)

Ion 129.95 (129.65 to 130.65): VU040578.D (-1606) (-)

800

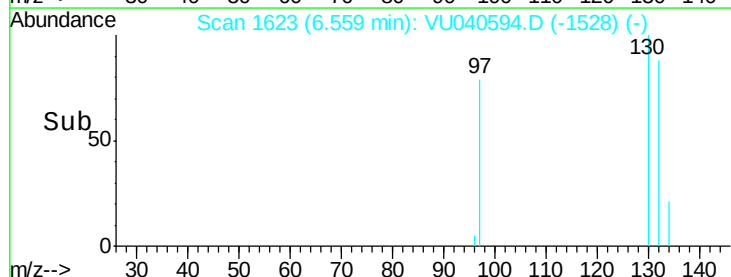
600

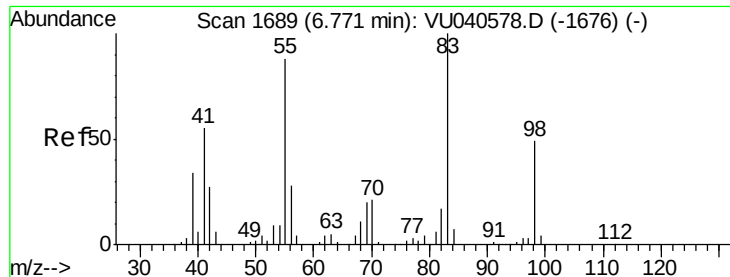
400

200

0

Time-->

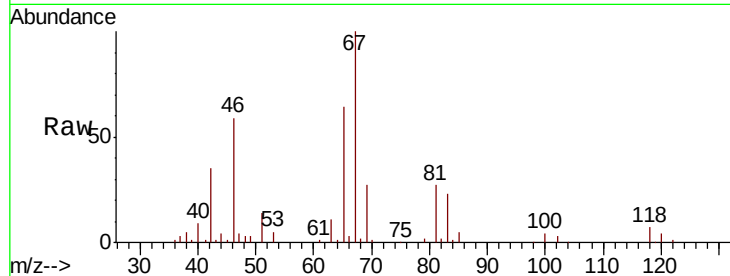




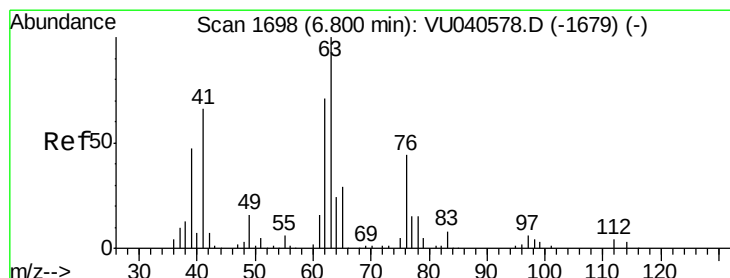
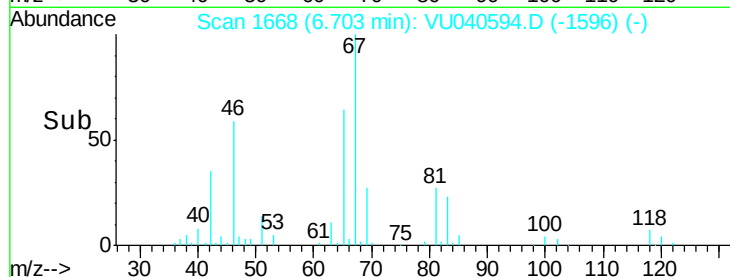
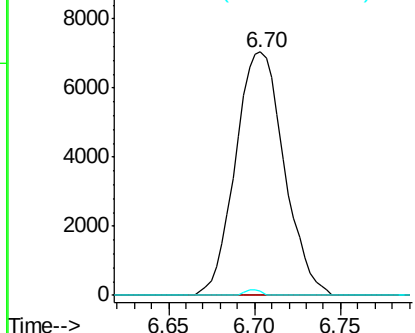
#35
Methvlcvclohexane
Concen: 0.915 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040594.D
Acq: 09 Oct 2020 19:11

Instrument :
MSVOA_U
ClientSampleId :
BFSE5

Tot Ion: 83 Resp: 13815
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.8 38.4 57.6#

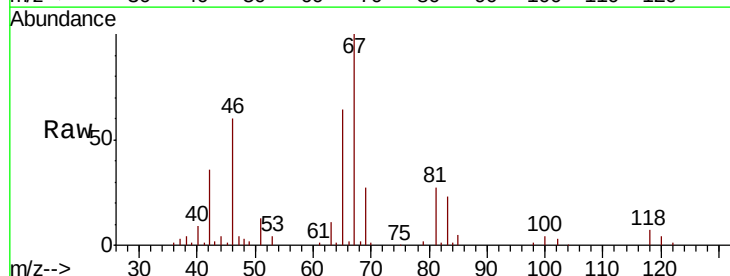


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

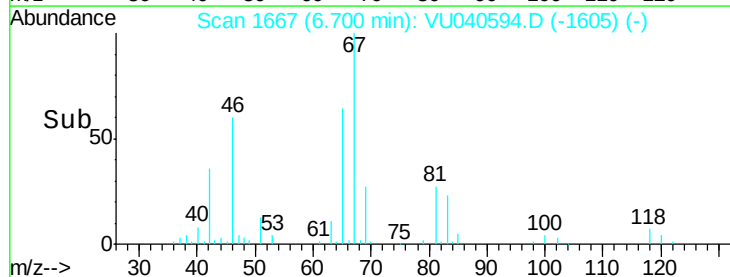
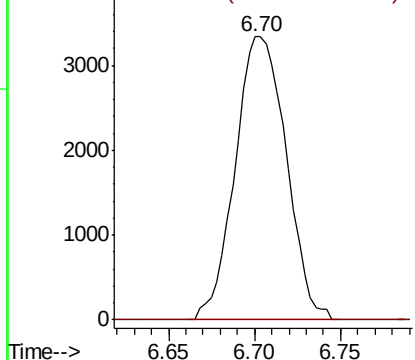


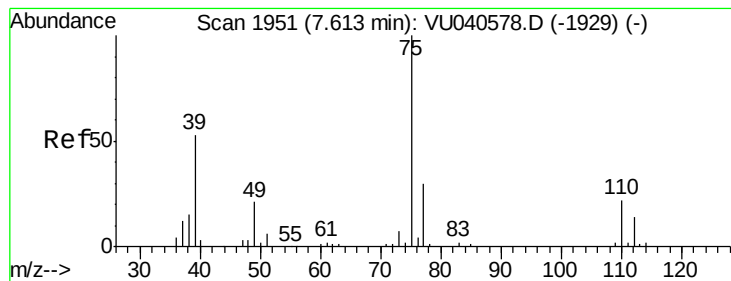
#37
1,2-Dichloropropane
Concen: 0.600 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040594.D
Acq: 09 Oct 2020 19:11

Tgt Ion: 63 Resp: 6873
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



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



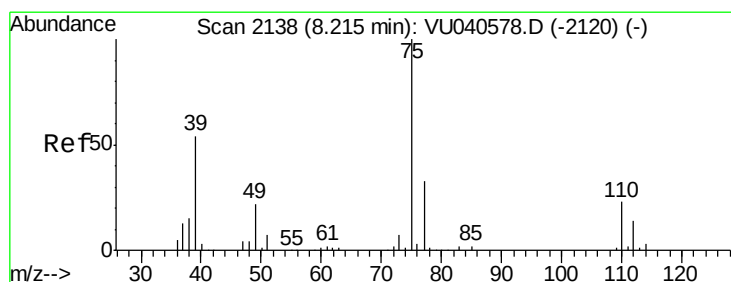
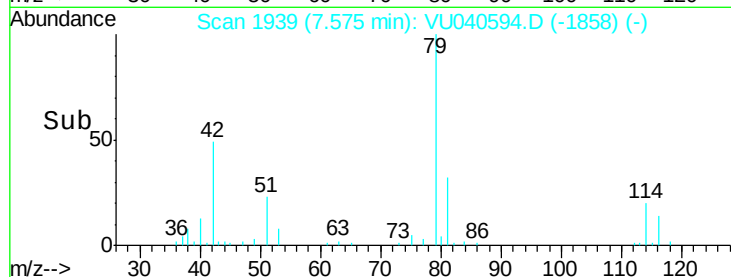
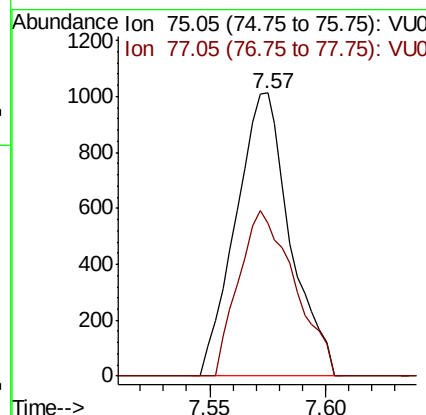
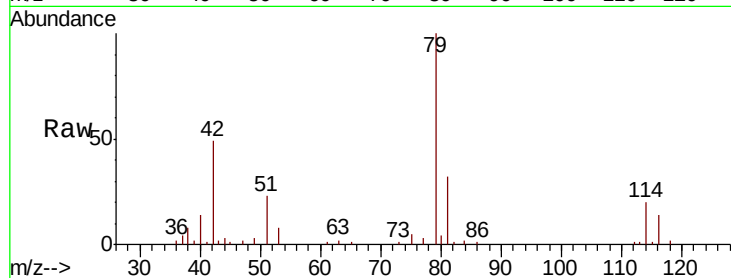


#39

cis-1,3-Dichloropropene
Concen: 0.106 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU040594.D
Acq: 09 Oct 2020 19:11

Instrument :
MSVOA_U
ClientSampleId :
BFSE5

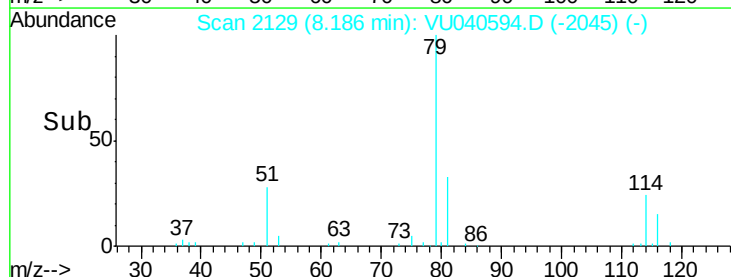
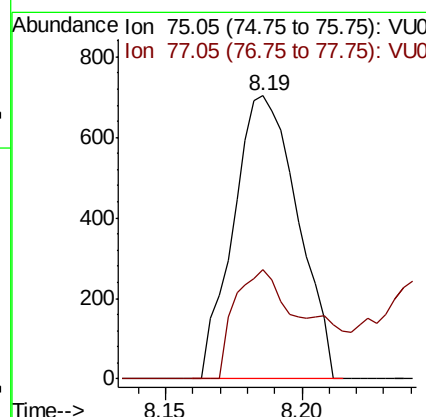
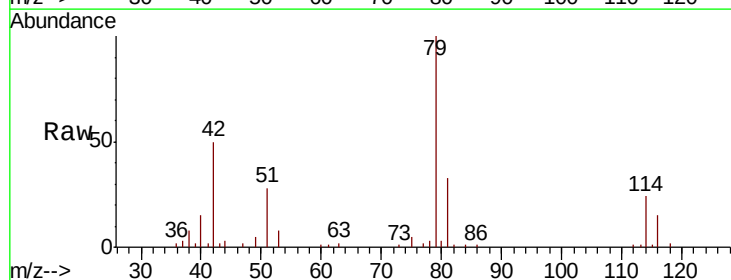
Tot Ion: 75 Resp: 1651
Ion Ratio Lower Upper
75 100
77 54.1 20.5 38.1#

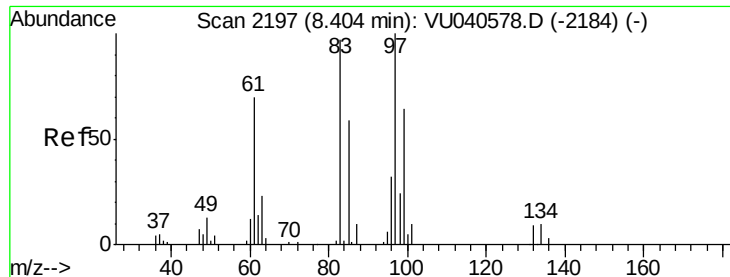


#44

trans-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 8.19 min Scan# 2129
Delta R.T. -0.03 min
Lab File: VU040594.D
Acq: 09 Oct 2020 19:11

Tgt Ion: 75 Resp: 1151
Ion Ratio Lower Upper
75 100
77 38.8 20.4 38.0#

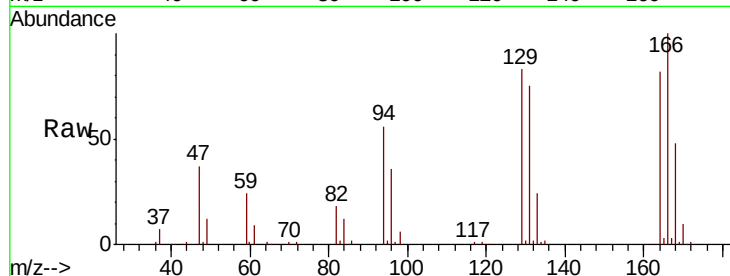




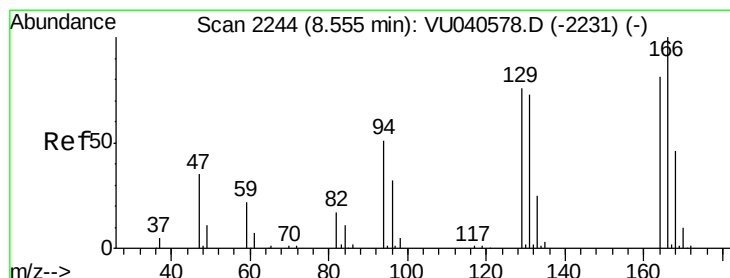
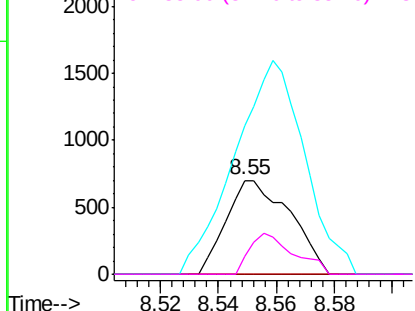
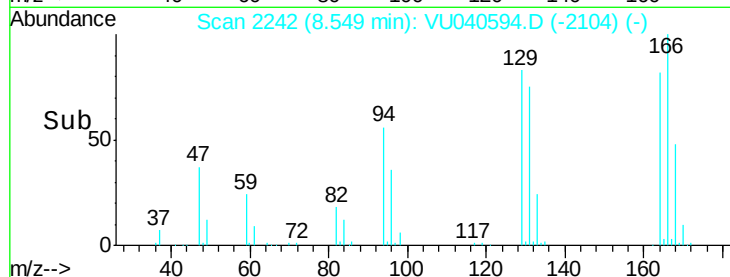
#45
 1,1,2-Trichloroethane
 Concen: 0.125 ug/L
 RT: 8.55 min Scan# 2242
 Delta R.T. 0.14 min
 Lab File: VU040594.D
 Acq: 09 Oct 2020 19:11

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSE5

Tot Ion: 97 Resp: 1072
 Ion Ratio Lower Upper
 97 100
 99 0.0 44.0 81.6#
 83 157.9 62.9 116.9#
 85 19.5 40.3 74.8#

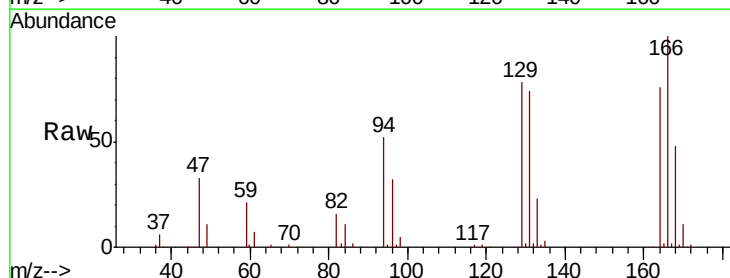


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

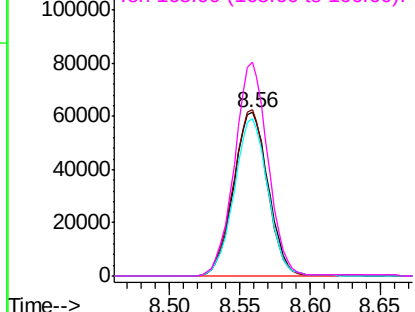
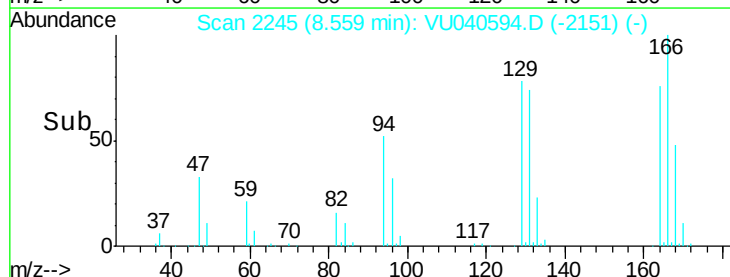


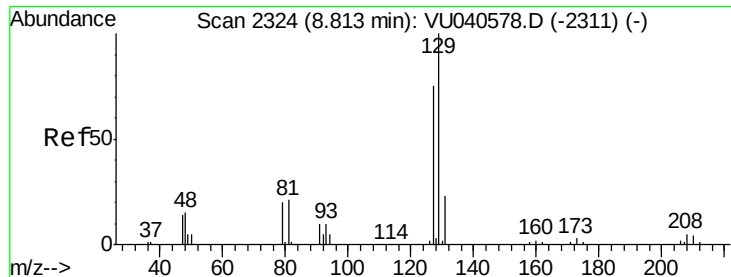
#47
 Tetrachloroethene
 Concen: 13.951 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040594.D
 Acq: 09 Oct 2020 19:11

Tgt Ion: 164 Resp: 105991
 Ion Ratio Lower Upper
 164 100
 129 102.0 68.8 127.8
 131 96.4 66.7 123.9
 166 130.7 83.9 155.7



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: 10.629 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040594.D

Acq: 09 Oct 2020 19:11

Instrument :

MSVOA_U

ClientSampleId :

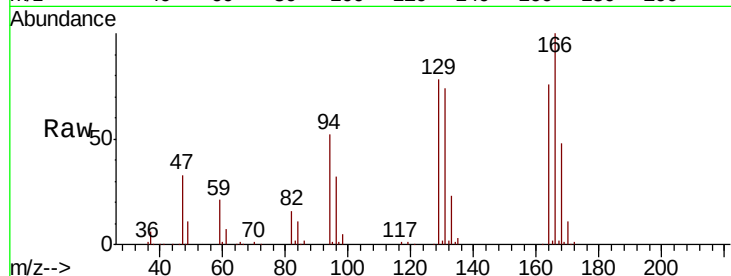
BFSE5

Tot Ion:129 Resp: 104845

Ion Ratio Lower Upper

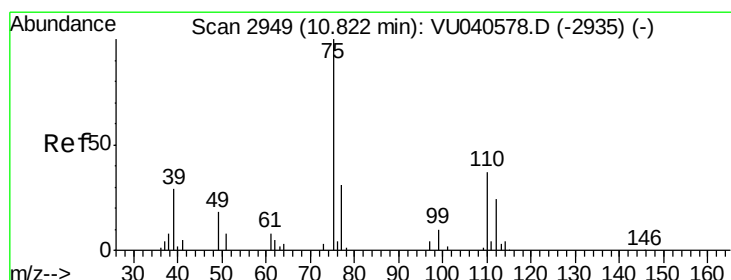
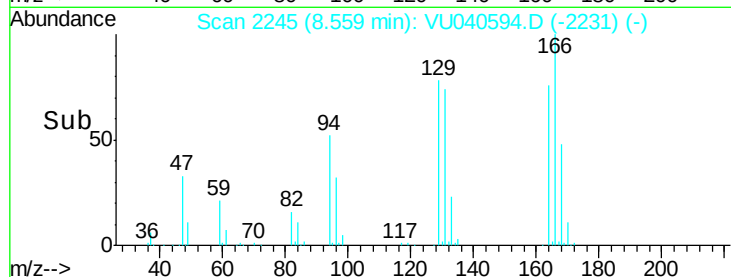
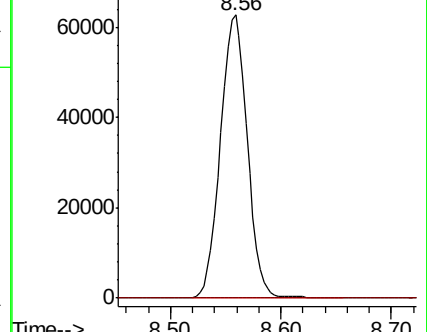
129 100

127 0.2 55.8 103.6#



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: 0.880 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040594.D

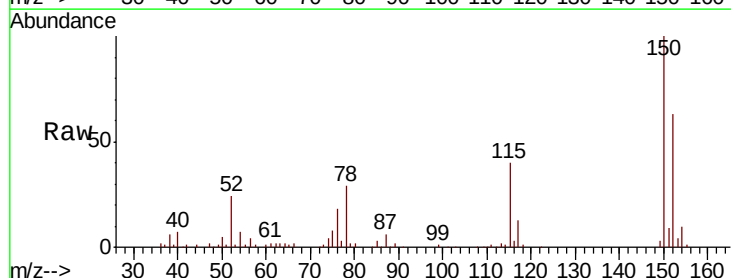
Acq: 09 Oct 2020 19:11

Tgt Ion: 75 Resp: 7398

Ion Ratio Lower Upper

75 100

77 40.3 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

