

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040592.D
 Acq On : 09 Oct 2020 18:25
 Operator : SY/MD
 Sample : L4349-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS08

Quant Time: Oct 10 04:23:09 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	131233	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	133752	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	59452	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	48438	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.92	69	38784	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.58	63	71013	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.66	46	180454	51.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.72%
24) Chloroform-d	5.08	84	89632	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.72	65	56090	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.74	84	170483	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.70	67	57099	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.91	98	137990	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	8.19	79	23138	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.64	63	128783	49.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.52%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50308	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	56760	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	10309	0.927	ug/L	98
8) Chloroethane	1.95	64	290	0.039	ug/L #	41
12) 1,1-Dichloroethene	2.58	96	529	0.056	ug/L #	1
13) Acetone	2.66	43	12168	4.511	ug/L	78
14) Carbon disulfide	2.81	76	2011	0.077	ug/L #	90
25) Chloroform	5.10	83	1545	0.075	ug/L #	73
27) 1,2-Dichloroethane	5.74	62	922	0.063	ug/L #	77
34) Trichloroethene	6.55	95	1326	0.119	ug/L #	72
35) Methylcyclohexane	6.70	83	13595	0.861	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6278	0.524	ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1613	0.099	ug/L #	66
44) trans-1,3-Dichloropropene	8.18	75	924	0.061	ug/L #	69
45) 1,1,2-Trichloroethane	8.56	97	1124	0.125	ug/L #	1
47) Tetrachloroethene	8.56	164	111454	14.025	ug/L	97
48) 2-Hexanone	8.64	43	18380	2.586	ug/L #	70
49) Dibromochloromethane	8.56	129	106983	10.369	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	8013	0.911	ug/L	98

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Quant Time: Oct 10 04:23:09 2020
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 10 04:13:39 2020
Response via : Initial Calibration

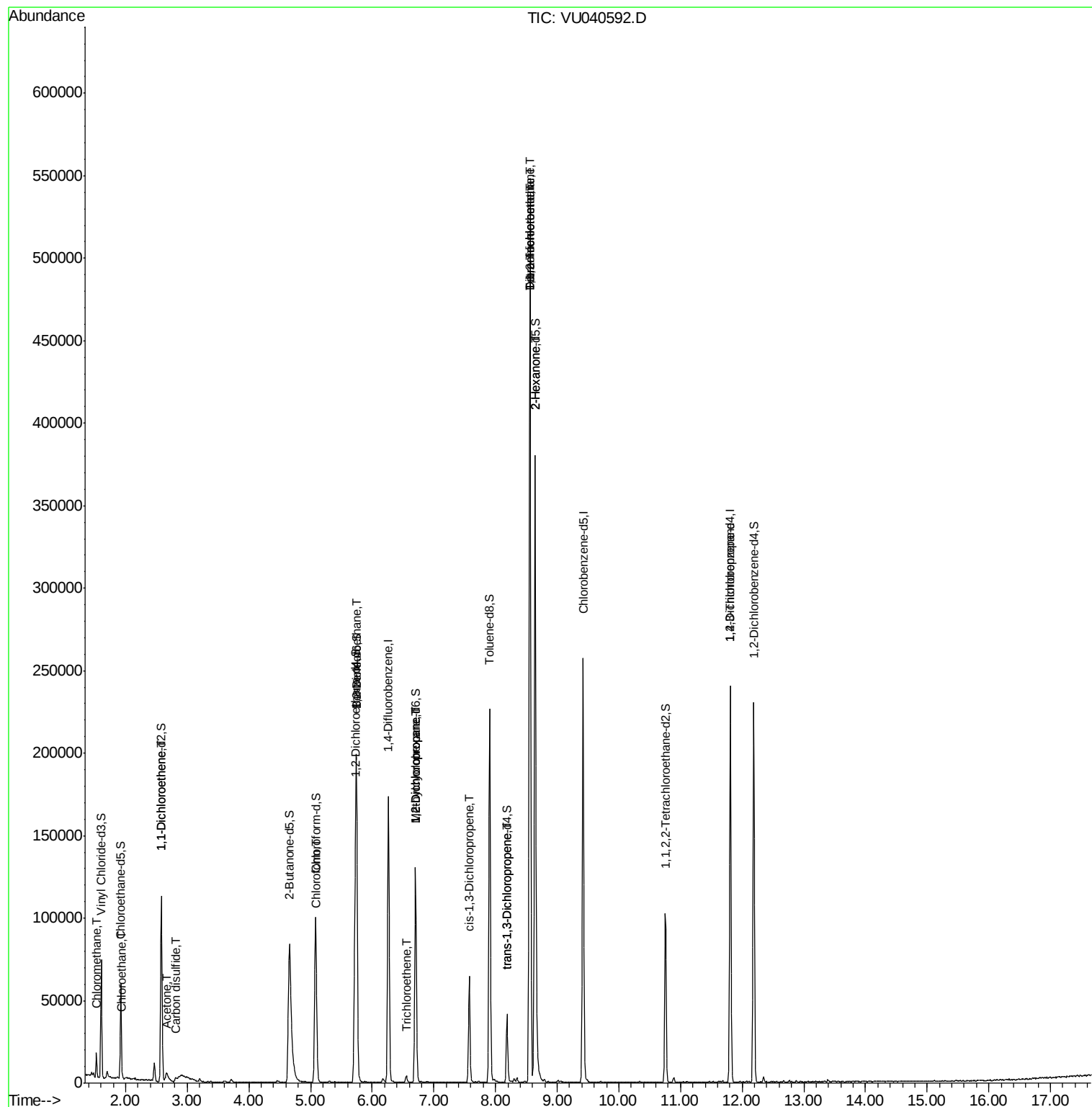
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

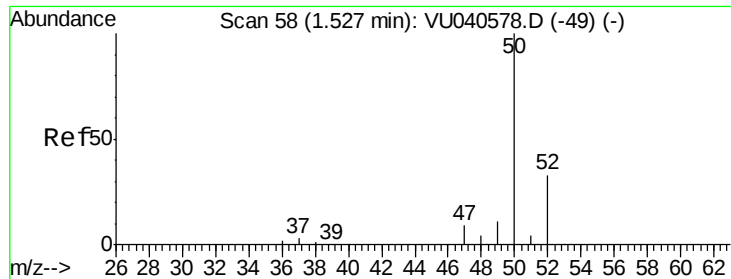
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100920\
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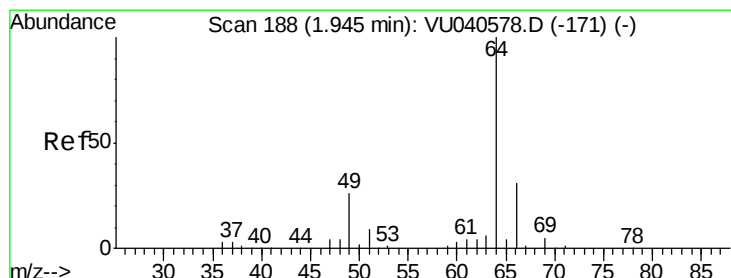
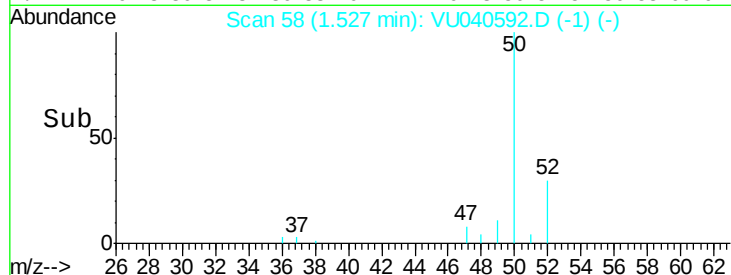
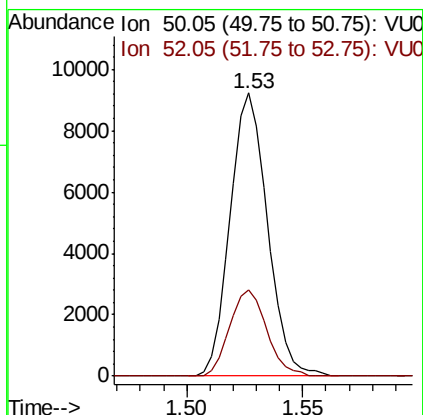
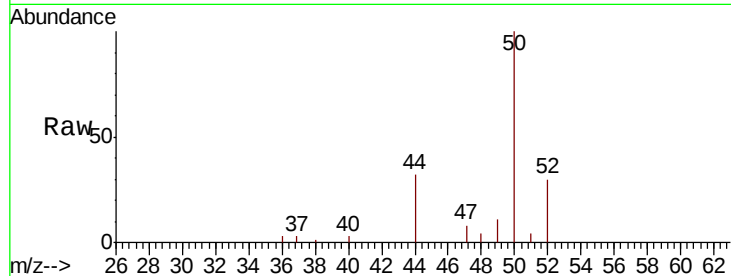




#3
 Chloromethane
 Concen: 0.927 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. -0.00 min
 Lab File: VU040592.D
 Acq: 09 Oct 2020 18:25

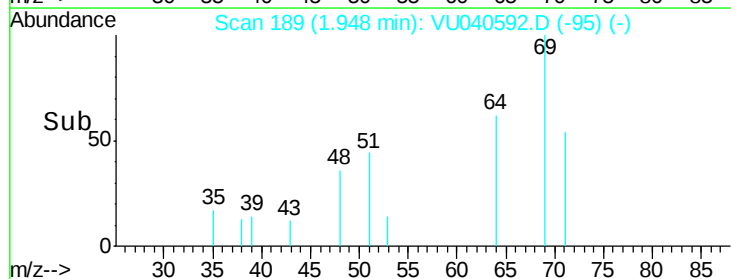
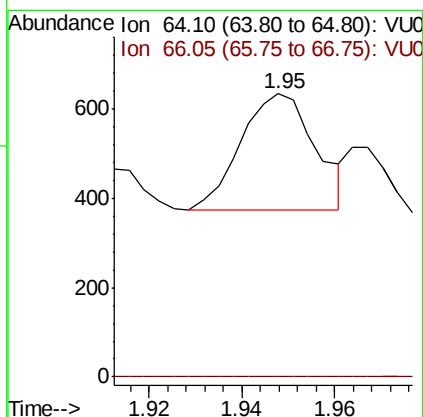
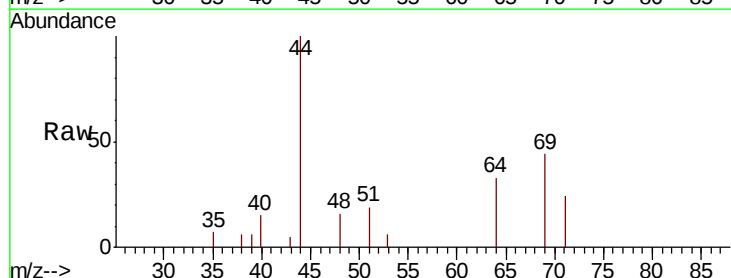
Instrument :
 MSVOA_U
 ClientSampleId :
 BFS08

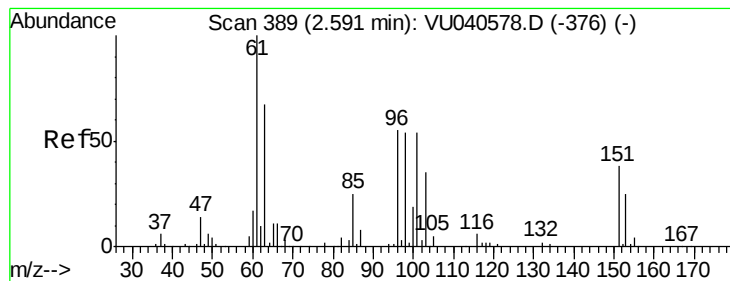
Tot Ion: 50 Resp: 10309
 Ion Ratio Lower Upper
 50 100
 52 30.3 21.9 40.7



#8
 Chloroethane
 Concen: 0.039 ug/L
 RT: 1.95 min Scan# 189
 Delta R.T. 0.00 min
 Lab File: VU040592.D
 Acq: 09 Oct 2020 18:25

Tgt Ion: 64 Resp: 290
 Ion Ratio Lower Upper
 64 100
 66 0.0 23.3 43.3#





#12

1,1-Dichloroethene

Concen: 0.056 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040592.D

Acq: 09 Oct 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

BFS08

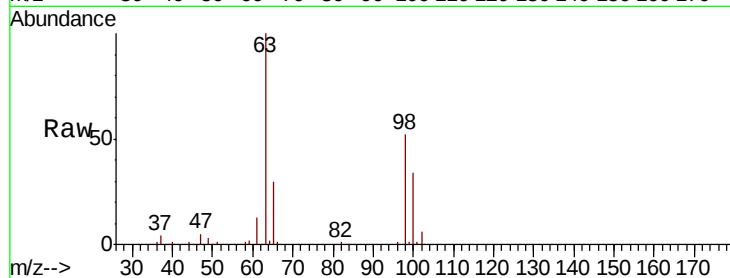
Tot Ion: 96 Resp: 529

Ion Ratio Lower Upper

96 100

61 1378.5 128.8 239.2#

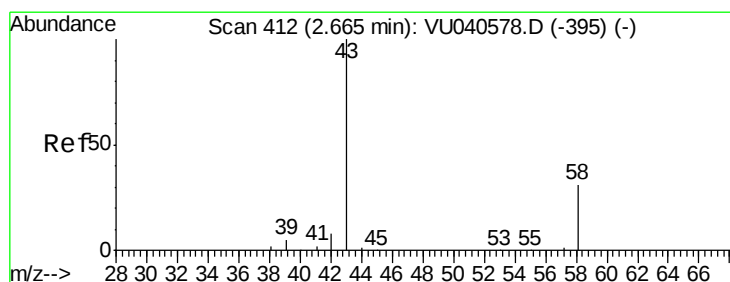
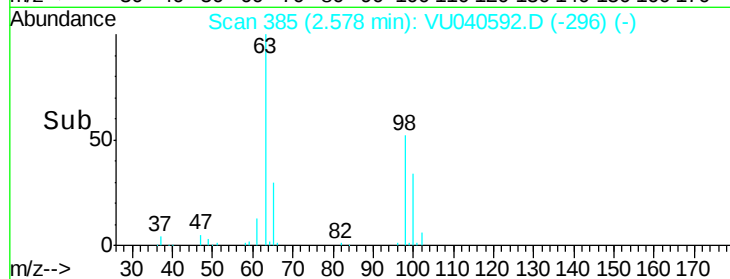
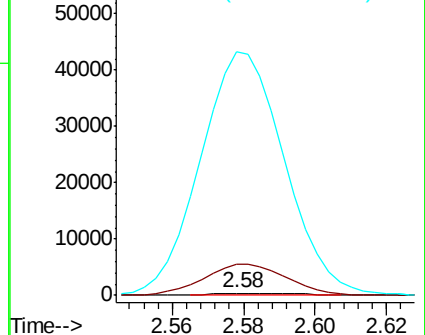
63 10814.0 84.6 157.2#



Abundance Ion 96.00 (95.70 to 96.70): VU040592.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU040592.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU040592.D (-296) (-)



#13

Acetone

Concen: 4.511 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU040592.D

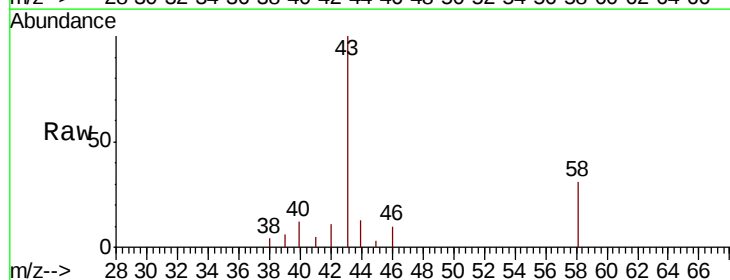
Acq: 09 Oct 2020 18:25

Tgt Ion: 43 Resp: 12168

Ion Ratio Lower Upper

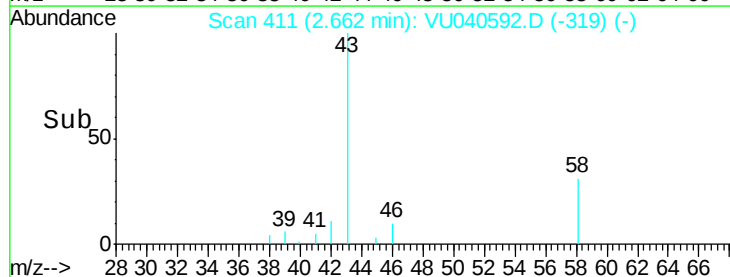
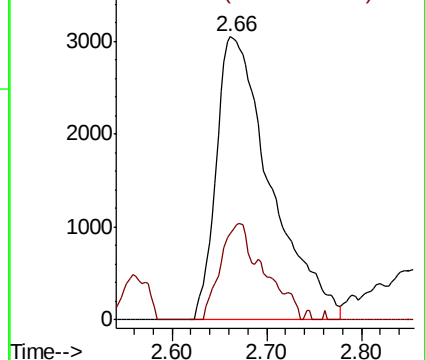
43 100

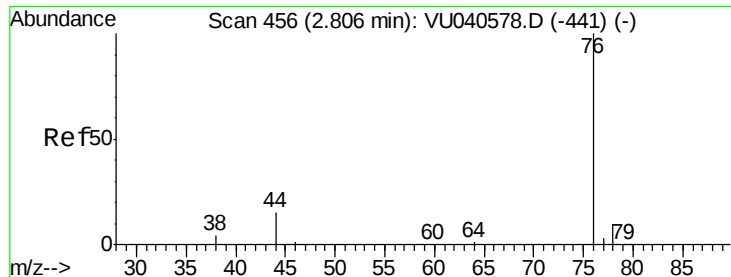
58 18.6 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040592.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU040592.D (-319) (-)





#14

Carbon disulfide

Concen: 0.077 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040592.D

Acq: 09 Oct 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

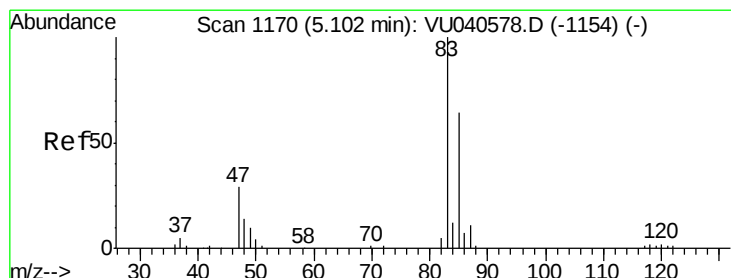
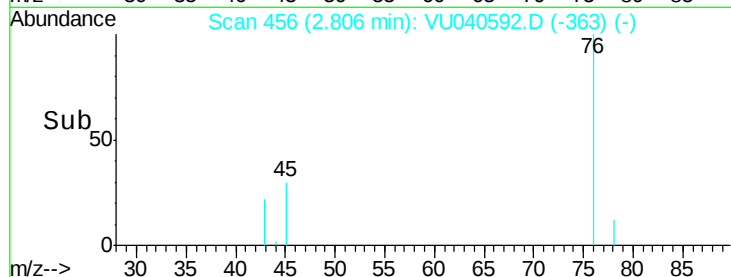
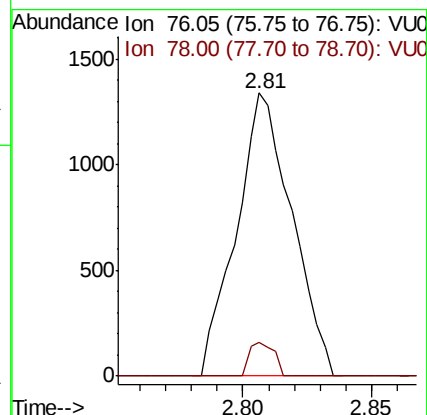
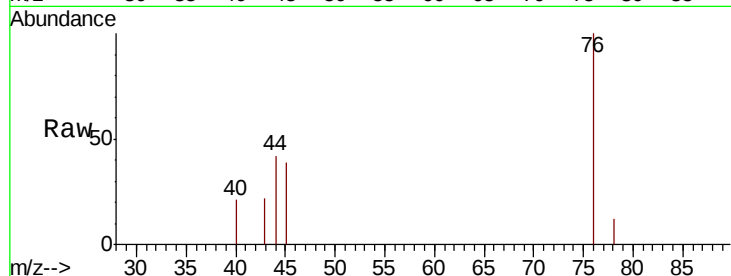
BFSD8

Tot Ion: 76 Resp: 2011

Ion Ratio Lower Upper

76 100

78 12.0 6.8 10.2#



#25

Chloroform

Concen: 0.075 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU040592.D

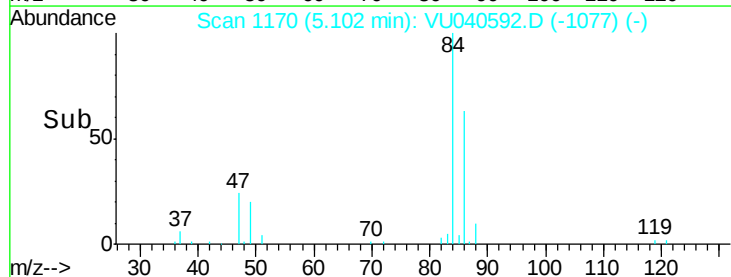
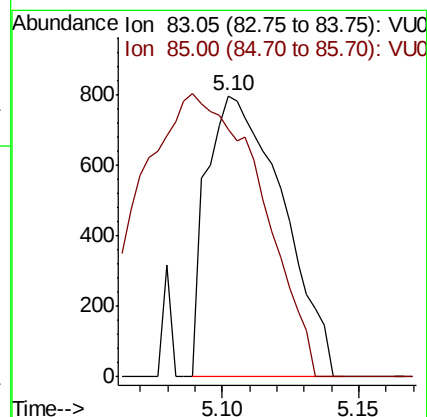
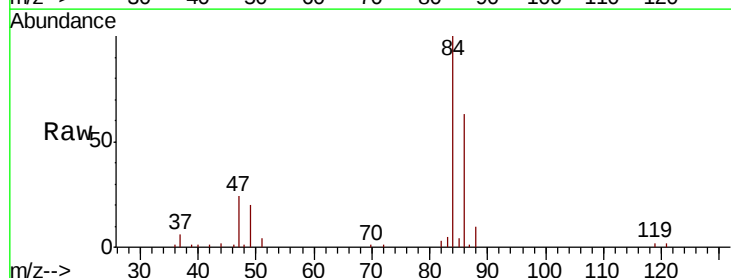
Acq: 09 Oct 2020 18:25

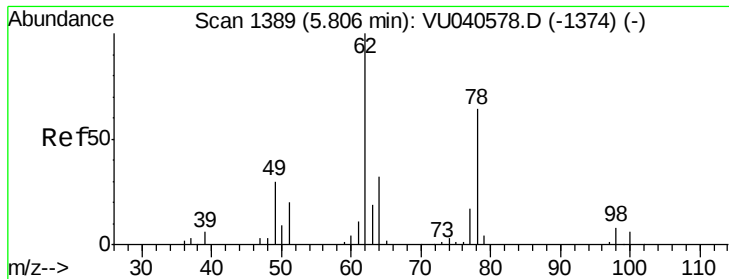
Tgt Ion: 83 Resp: 1545

Ion Ratio Lower Upper

83 100

85 88.0 46.5 86.5#





#27

1,2-Dichloroethane

Concen: 0.063 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.06 min

Lab File: VU040592.D

Acq: 09 Oct 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

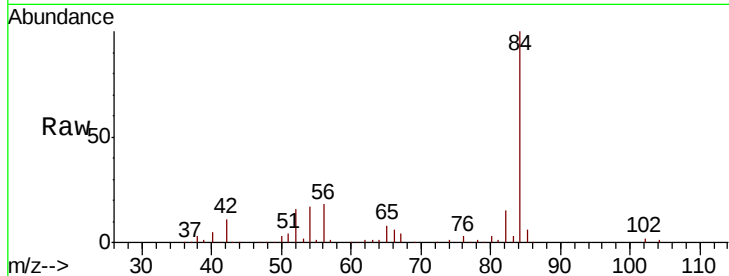
BFS08

Tot Ion: 62 Resp: 922

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.74

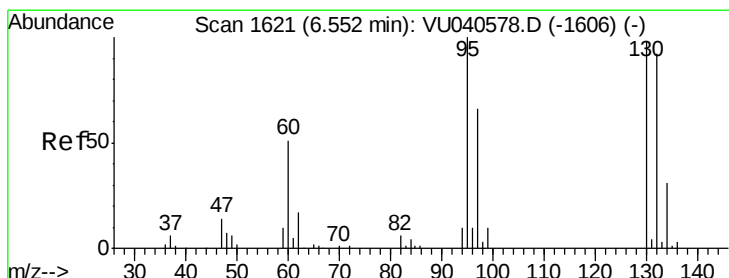
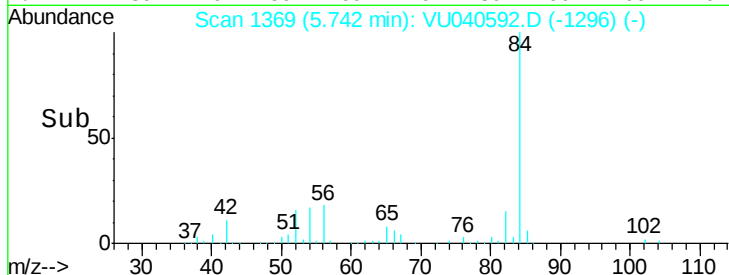
600

400

200

0

Time-->



#34

Trichloroethene

Concen: 0.119 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040592.D

Acq: 09 Oct 2020 18:25

Tgt Ion: 95 Resp: 1326

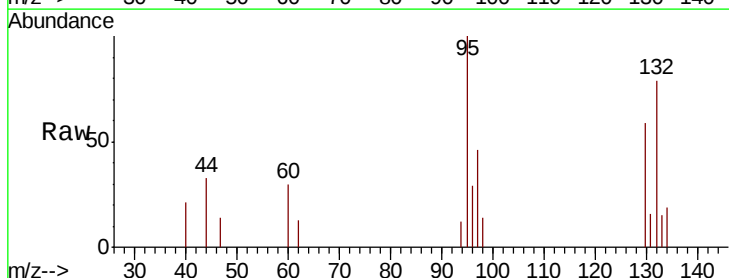
Ion Ratio Lower Upper

95 100

97 46.4 45.5 84.5

132 79.1 67.5 125.4

130 58.6 69.9 129.9#



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

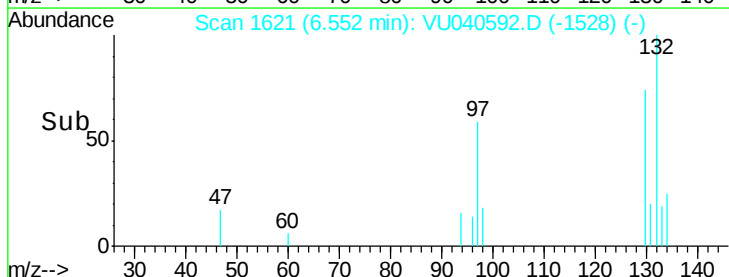
Ion 129.95 (129.65 to 130.65): V

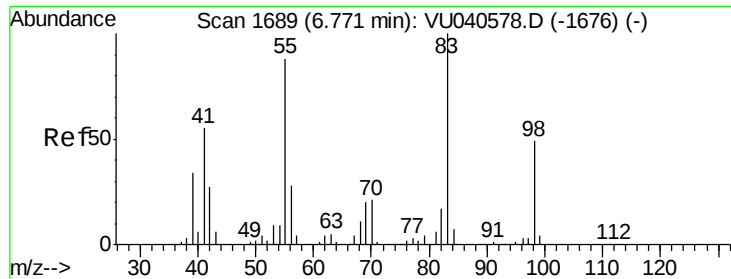
1000

500

0

Time-->

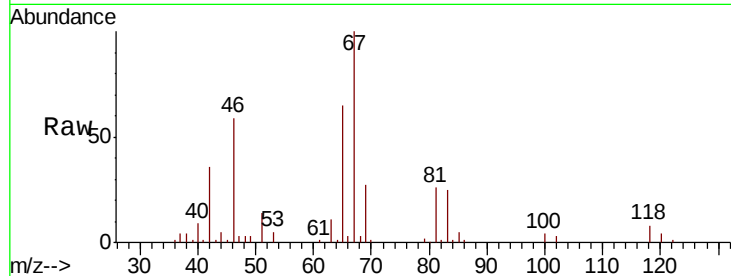




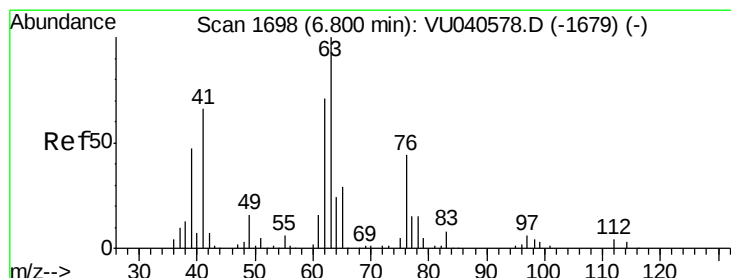
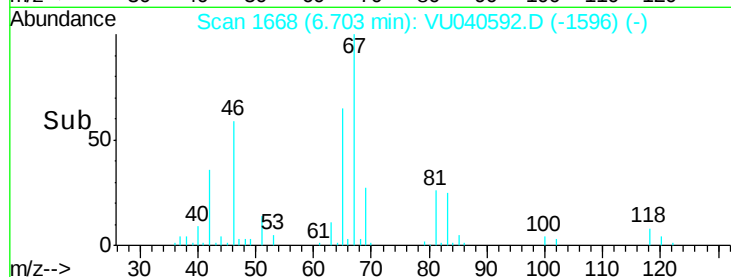
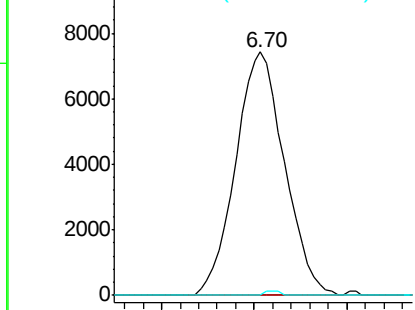
#35
Methvlcvclohexane
Concen: 0.861 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040592.D
Acq: 09 Oct 2020 18:25

Instrument :
MSVOA_U
ClientSampleId :
BFSD8

Tot Ion: 83 Resp: 13595
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.6 38.4 57.6#

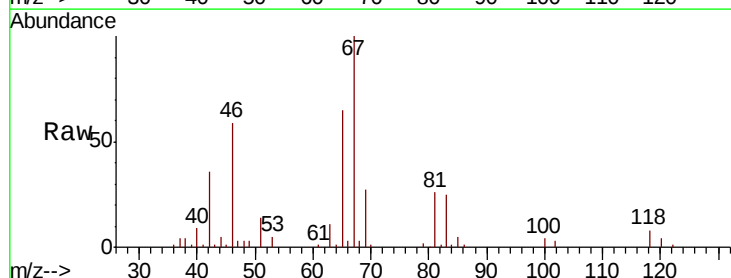


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

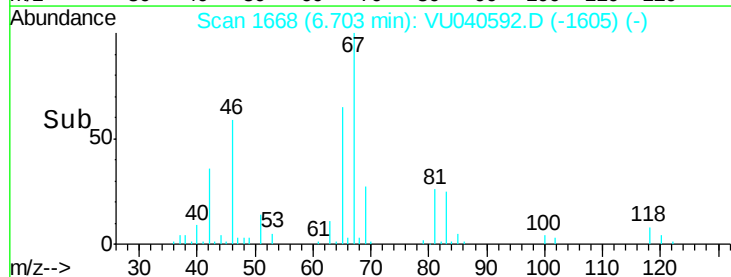
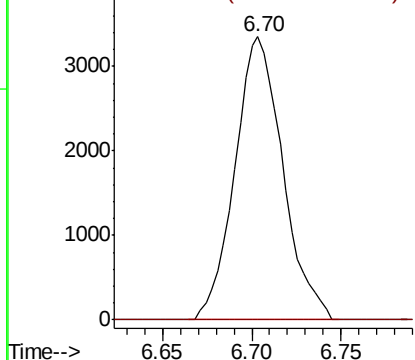


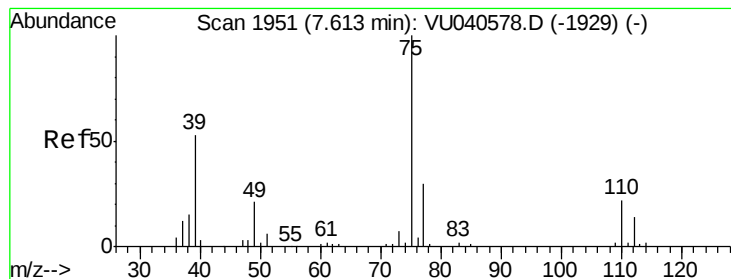
#37
1,2-Dichloropropane
Concen: 0.524 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040592.D
Acq: 09 Oct 2020 18:25

Tgt Ion: 63 Resp: 6278
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: 0.099 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040592.D

Acq: 09 Oct 2020 18:25

Instrument :

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ClientSampleId :

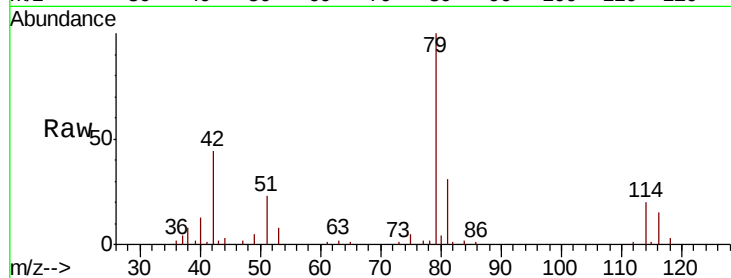
BFS08

Tot Ion: 75 Resp: 1613

Ion Ratio Lower Upper

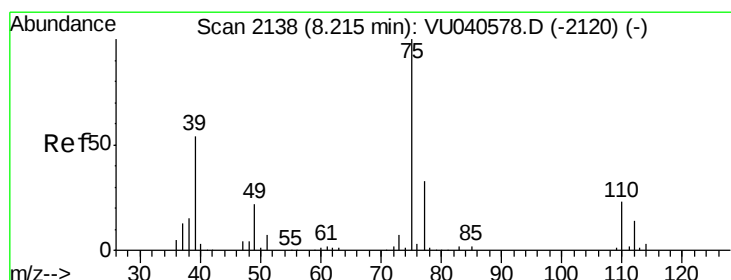
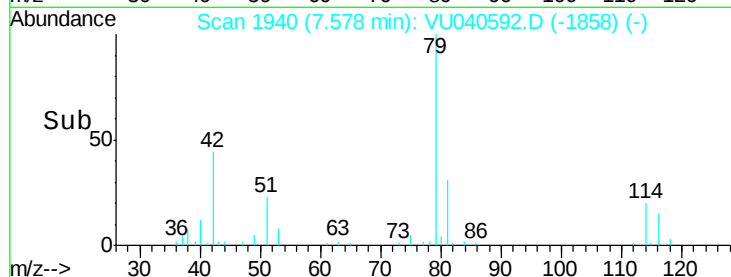
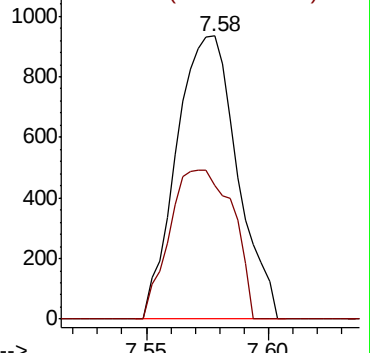
75 100

77 47.3 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.061 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040592.D

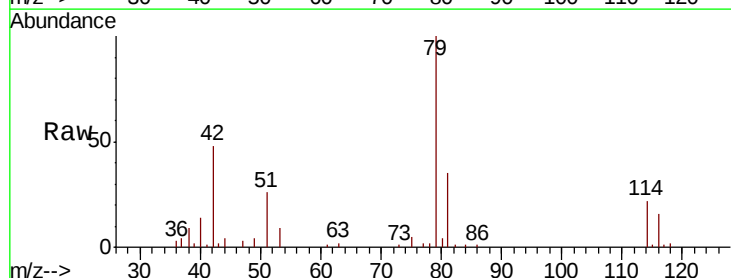
Acq: 09 Oct 2020 18:25

Tgt Ion: 75 Resp: 924

Ion Ratio Lower Upper

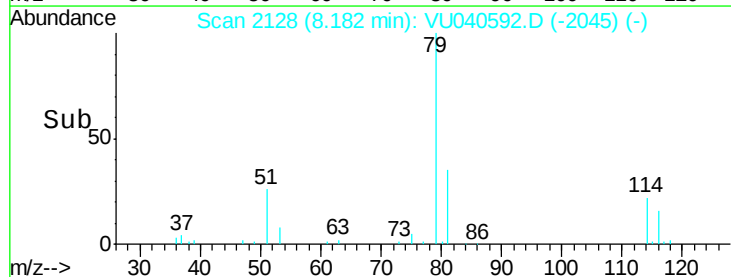
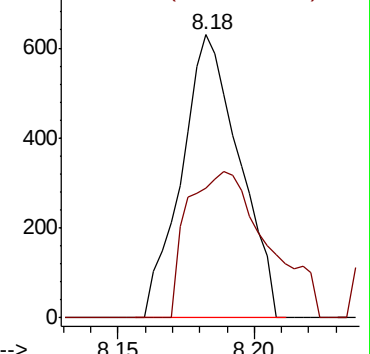
75 100

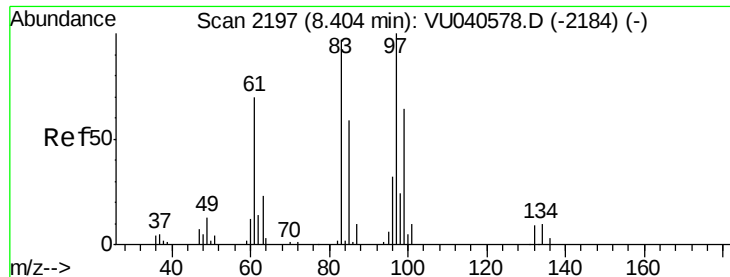
77 45.8 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 0.125 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.15 min

Lab File: VU040592.D

Acq: 09 Oct 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

BFSD8

Tot Ion: 97 Resp: 1124

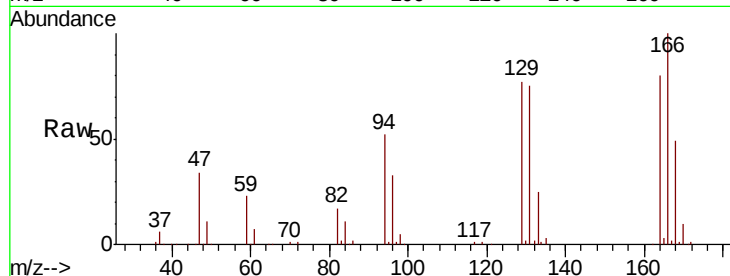
Ion Ratio Lower Upper

97 100

99 19.2 44.0 81.6#

83 314.7 62.9 116.9#

85 48.8 40.3 74.8

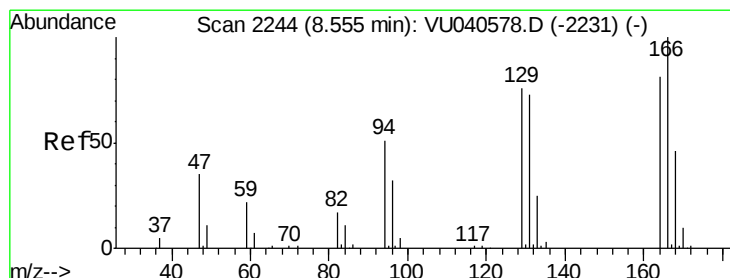
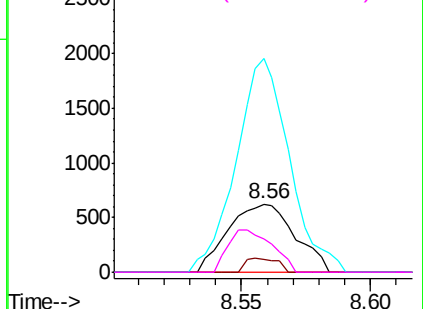
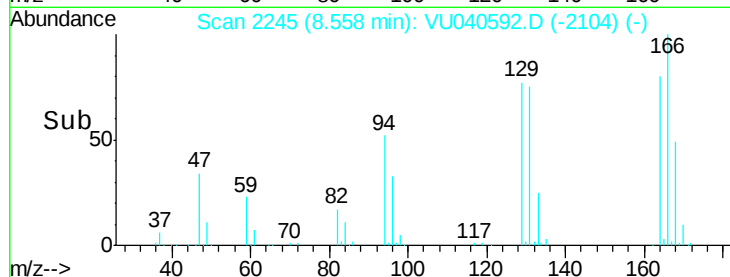


Abundance Ion 96.95 (96.65 to 97.65): VU040592.D (-2151) (-)

Ion 99.05 (98.75 to 99.75): VU040592.D (-2151) (-)

Ion 82.95 (82.65 to 83.65): VU040592.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU040592.D (-2151) (-)



#47

Tetrachloroethene

Concen: 14.025 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040592.D

Acq: 09 Oct 2020 18:25

Tgt Ion: 164 Resp: 111454

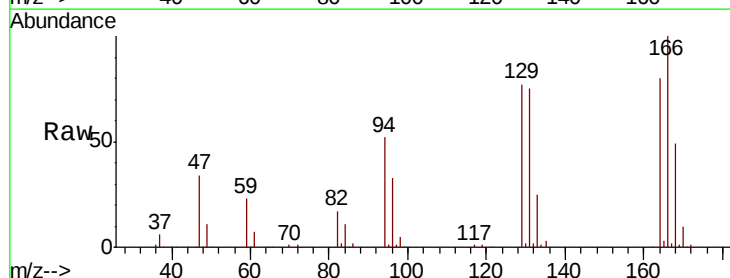
Ion Ratio Lower Upper

164 100

129 96.4 68.8 127.8

131 94.2 66.7 123.9

166 125.7 83.9 155.7

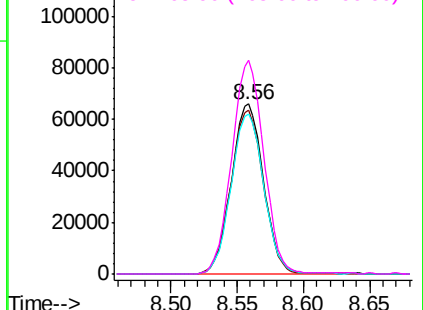
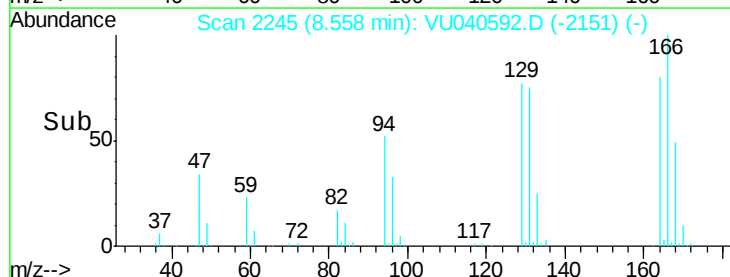


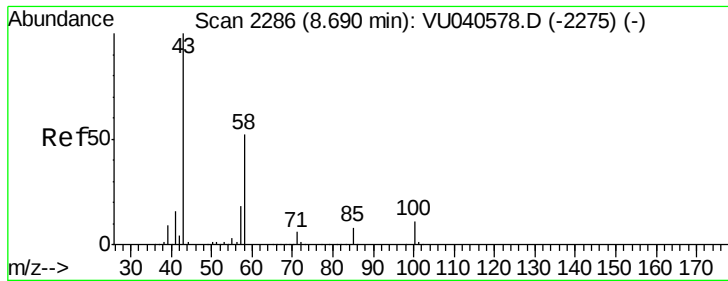
Abundance Ion 163.90 (163.60 to 164.60): VU040592.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU040592.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU040592.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU040592.D (-2151) (-)

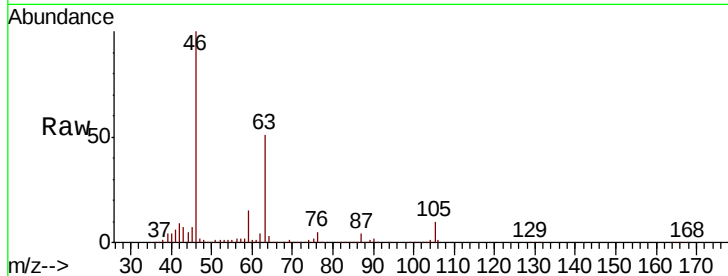




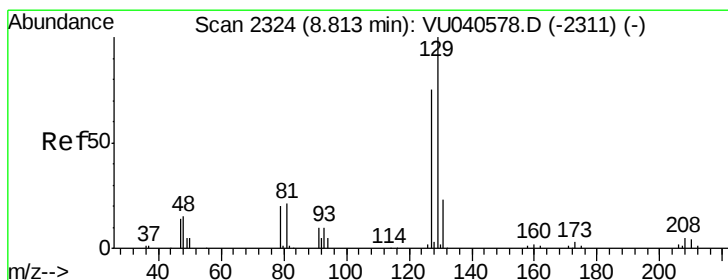
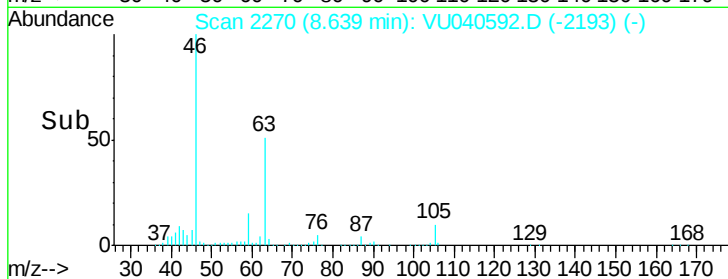
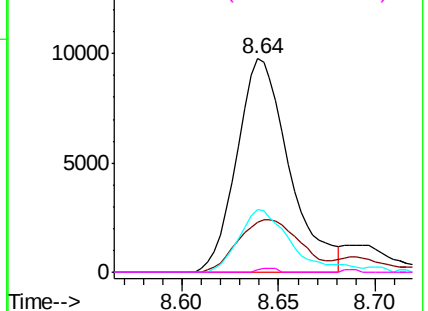
#48
2-Hexanone
Concen: 2.586 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040592.D
Acq: 09 Oct 2020 18:25

Instrument :
MSVOA_U
ClientSampleId :
BFSD8

Tot Ion	Ratio	Lower	Upper
43	100		
58	28.7	41.0	61.6#
57	29.4	14.4	21.6#
100	0.6	8.6	13.0#

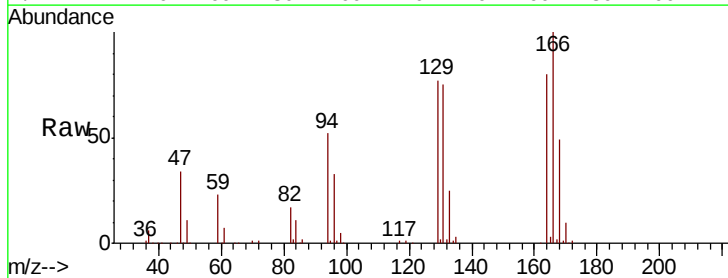


Abundance Ion 43.05 (42.75 to 43.75): VU040592.D (-2193) (-)

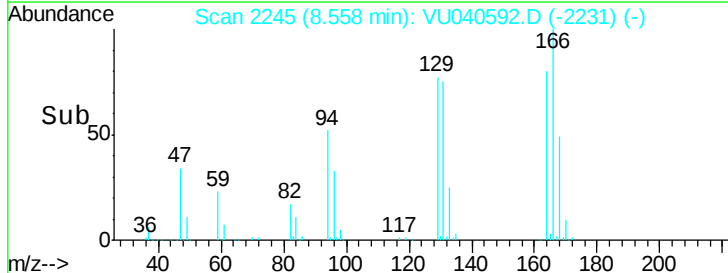
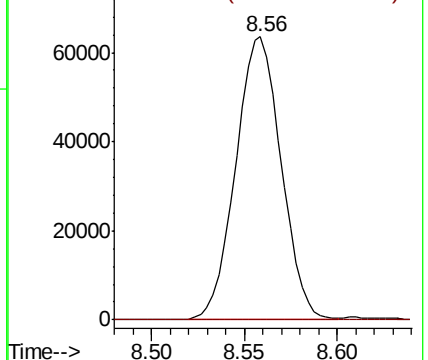


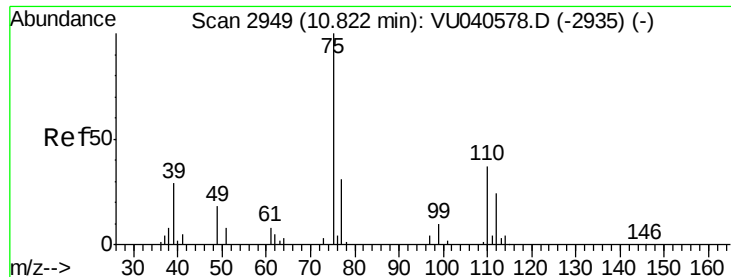
#49
Dibromochloromethane
Concen: 10.369 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040592.D
Acq: 09 Oct 2020 18:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.8	103.6#



Abundance Ion 128.95 (128.65 to 129.65): VU040592.D (-2231) (-)





#59

1,2,3-Trichloropropane

Concen: 0.911 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040592.D

Acq: 09 Oct 2020 18:25

Instrument :

MSVOA_U

ClientSampleId :

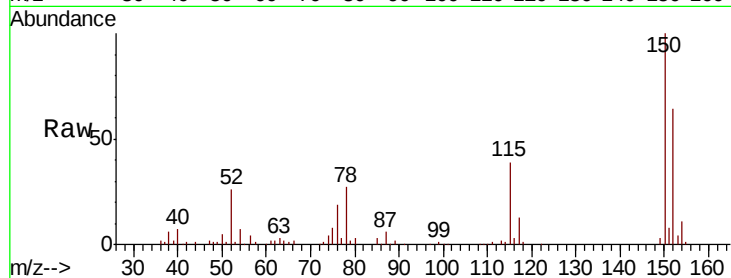
BFSD8

Tot Ion: 75 Resp: 8013

Ion Ratio Lower Upper

75 100

77 34.1 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

