

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110220\
 Data File : VU041058.D
 Acq On : 02 Nov 2020 18:28
 Operator : SY/MD
 Sample : L4584-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF0

Quant Time: Nov 03 00:50:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 03 00:40:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	49485	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51701	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	21431	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21082	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.92	69	15927	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.58	63	31092	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.20%
20) 2-Butanone-d5	4.65	46	80063	58.48	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.96%
24) Chloroform-d	5.08	84	37499	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.72	65	24869	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.74	84	68816	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.70	67	23993	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.91	98	59514	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	8.19	79	9730	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.64	63	62388	59.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21829	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	22085	5.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	4054	0.861 ug/L	97
8) Chloroethane	1.94	64	553	0.188 ug/L #	43
13) Acetone	2.66	43	4044	4.321 ug/L #	60
15) Methyl Acetate	2.94	43	190	0.089 ug/L #	53
22) cis-1,2-Dichloroethene	4.69	96	869	0.237 ug/L #	52
25) Chloroform	5.10	83	734	0.103 ug/L	83
27) 1,2-Dichloroethane	5.75	62	362	0.068 ug/L #	74
33) Benzene	5.74	78	578	0.037 ug/L	100
34) Trichloroethene	6.56	95	2363	0.601 ug/L	97
35) Methylcyclohexane	6.70	83	5702	0.972 ug/L #	15
37) 1,2-Dichloropropane	6.71	63	3025	0.724 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	711	0.124 ug/L #	75
44) trans-1,3-Dichloropropene	8.18	75	387	0.072 ug/L #	41
45) 1,1,2-Trichloroethane	8.58	97	94208	30.276 ug/L #	11
47) Tetrachloroethene	8.58	164	7271558	2515.387 ug/L	87
49) Dibromochloromethane	8.58	129	8639291	2390.728 ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3029	0.972 ug/L	96

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QLast Update : Tue Nov 03 00:40:40 2020
Response via : Initial Calibration

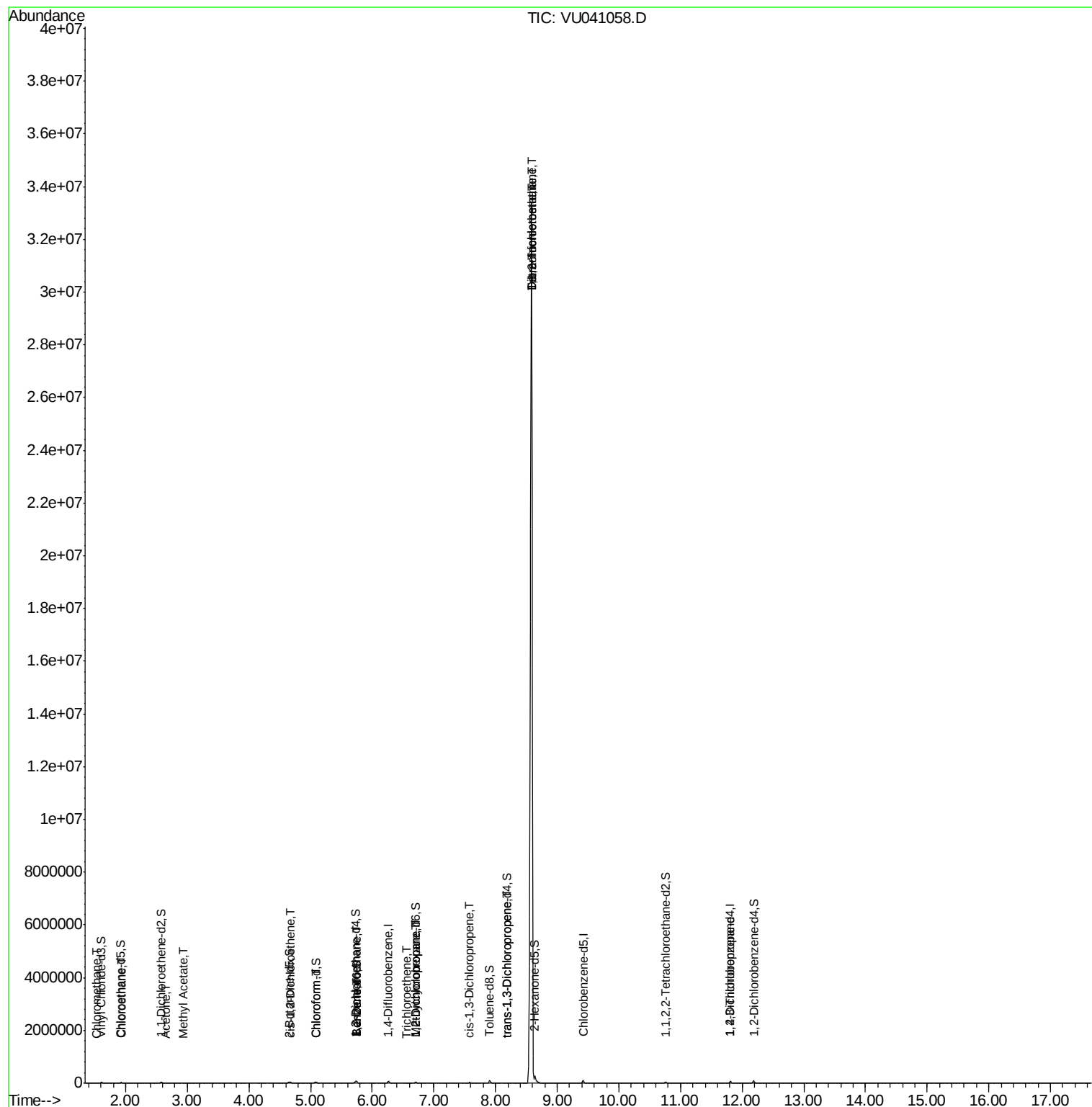
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

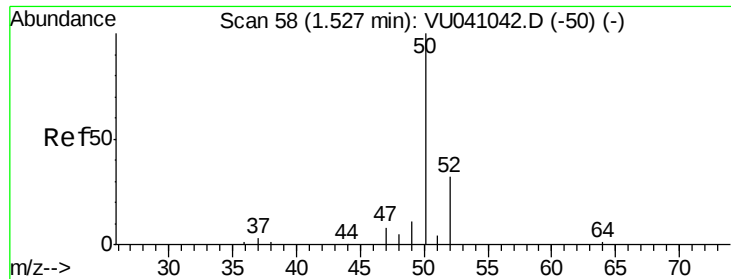
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.861 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041058.D

Acq: 02 Nov 2020 18:28

Instrument :

MSVOA_U

ClientSampleId :

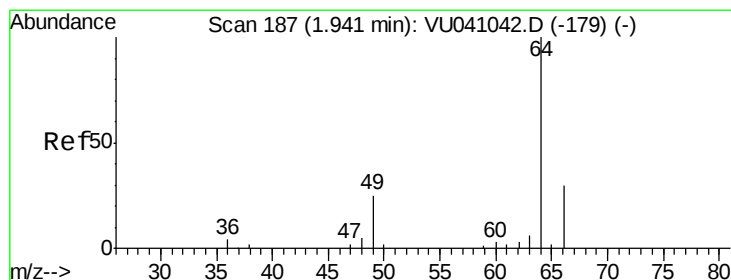
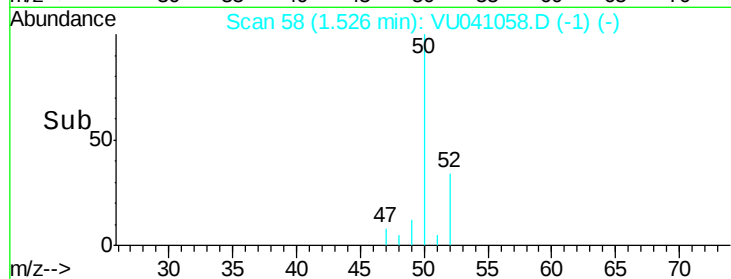
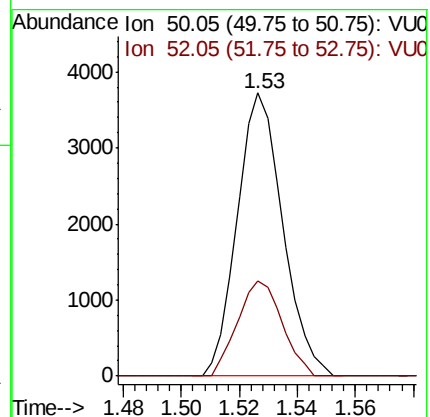
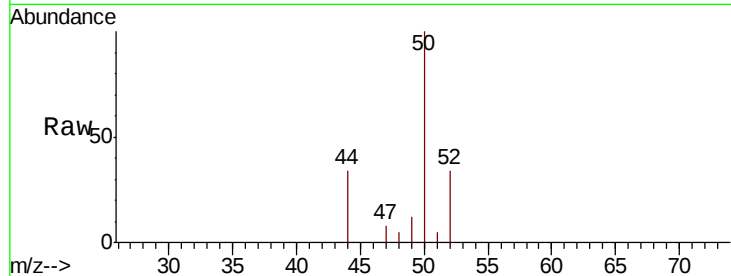
BFSF0

Tot Ion: 50 Resp: 4054

Ion Ratio Lower Upper

50 100

52 33.8 22.4 41.6



#8

Chloroethane

Concen: 0.188 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041058.D

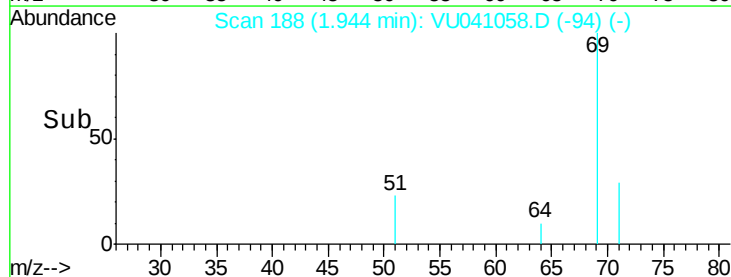
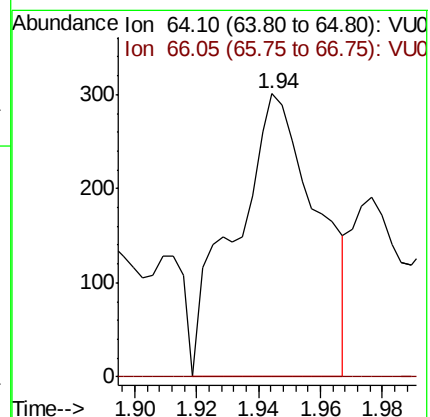
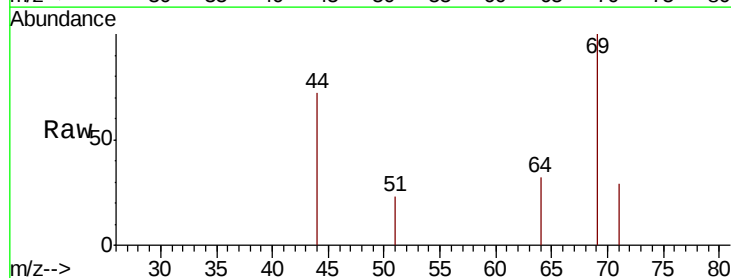
Acq: 02 Nov 2020 18:28

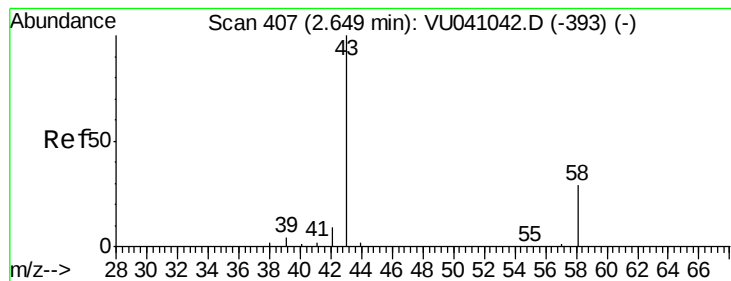
Tgt Ion: 64 Resp: 553

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#





#13

Acetone

Concen: 4.321 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.01 min

Lab File: VU041058.D

Acq: 02 Nov 2020 18:28

Instrument :

MSVOA_U

ClientSampleId :

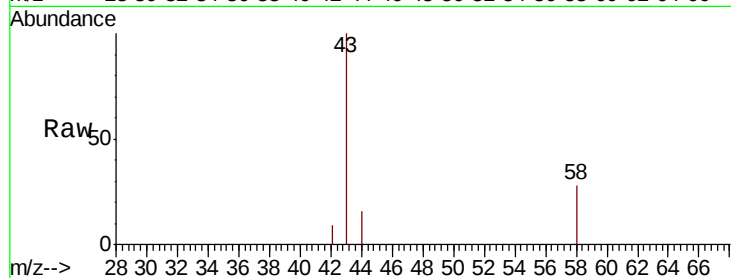
BFSF0

Tot Ion: 43 Resp: 4044

Ion Ratio Lower Upper

43 100

58 28.5 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041058.D (-411) (-)

Ion 58.05 (57.75 to 58.75): VU041058.D (-411) (-)

2.66

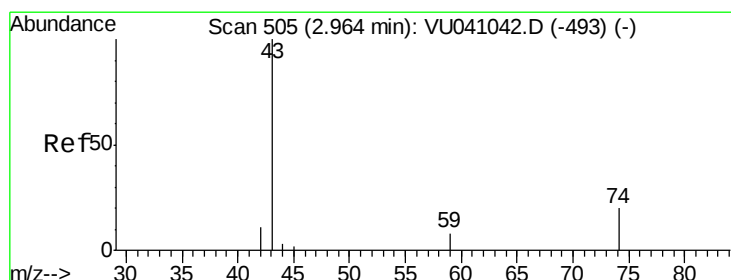
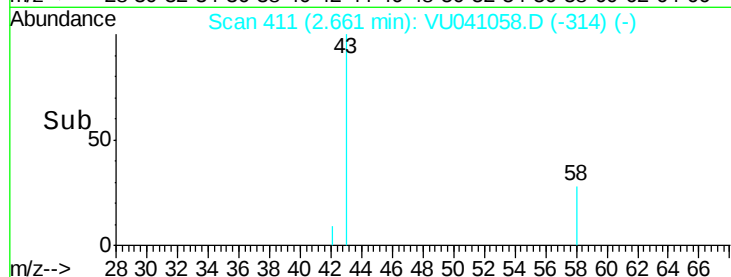
1500

1000

500

0

Time--> 2.60 2.65 2.70 2.75



#15

Methyl Acetate

Concen: 0.089 ug/L

RT: 2.94 min Scan# 498

Delta R.T. -0.02 min

Lab File: VU041058.D

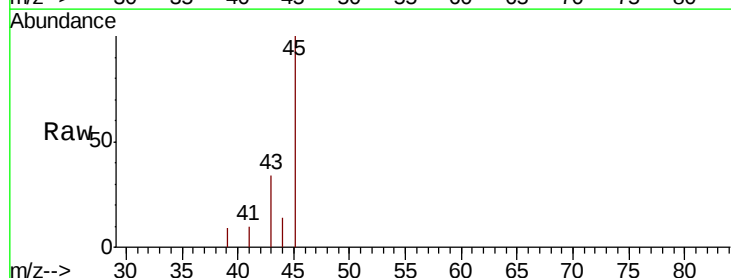
Acq: 02 Nov 2020 18:28

Tgt Ion: 43 Resp: 190

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU041058.D (-412) (-)

Ion 74.05 (73.75 to 74.75): VU041058.D (-412) (-)

2.94

400

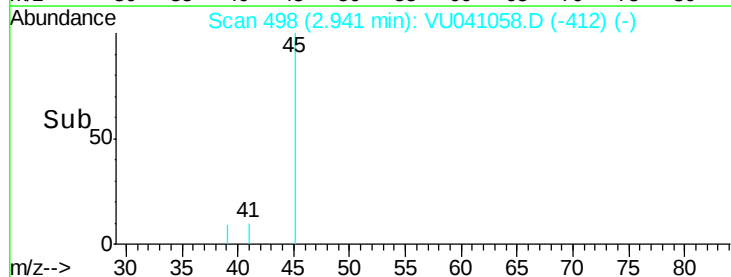
300

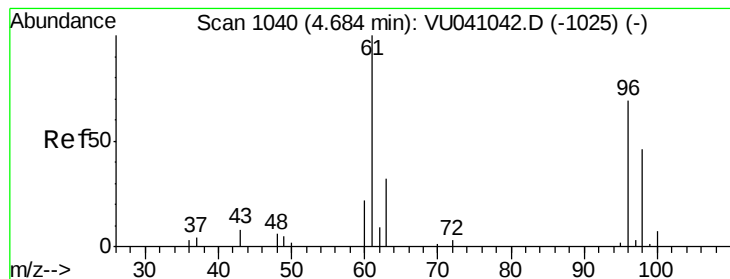
200

100

0

Time--> 2.92 2.94 2.96





#22

cis-1,2-Dichloroethene

Concen: 0.237 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041058.D

Acq: 02 Nov 2020 18:28

Instrument :

MSVOA_U

ClientSampleId :

BFSF0

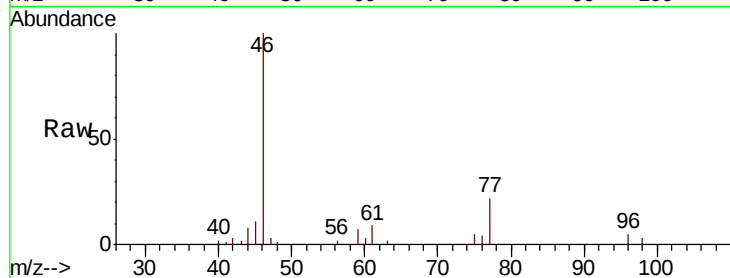
Tot Ion: 96 Resp: 869

Ion Ratio Lower Upper

96 100

61 197.5 97.2 180.4#

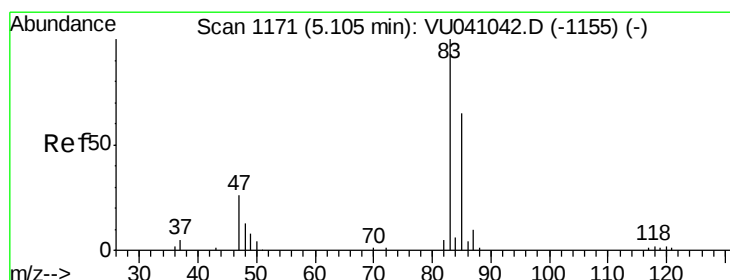
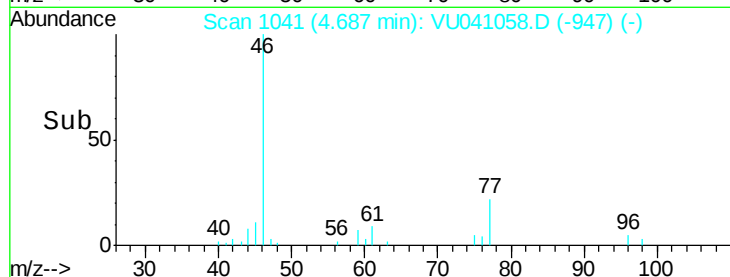
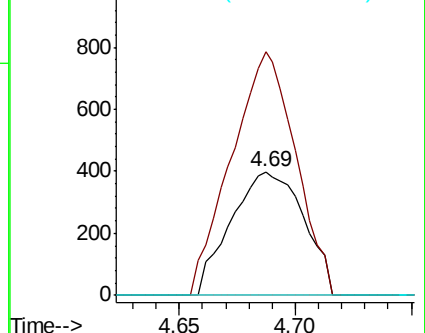
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041042.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU041042.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU041042.D (-1025) (-)



#25

Chloroform

Concen: 0.103 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU041058.D

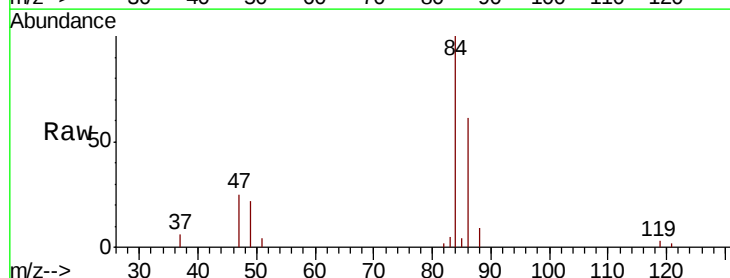
Acq: 02 Nov 2020 18:28

Tgt Ion: 83 Resp: 734

Ion Ratio Lower Upper

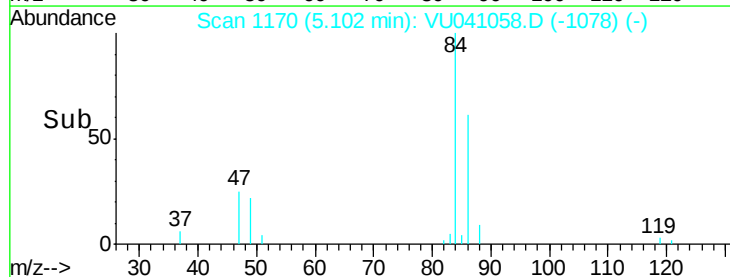
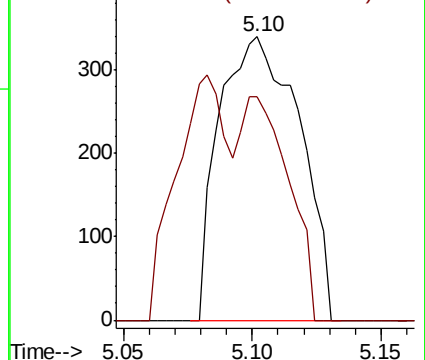
83 100

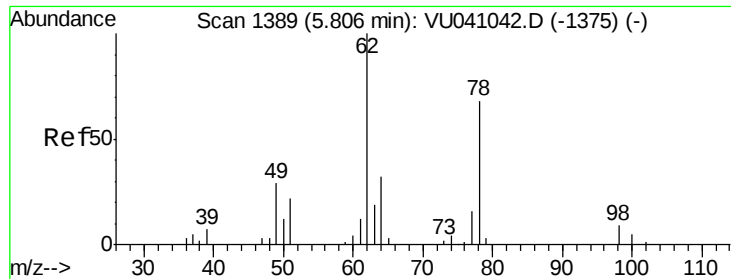
85 79.1 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041042.D (-1155) (-)

Ion 85.00 (84.70 to 85.70): VU041042.D (-1155) (-)

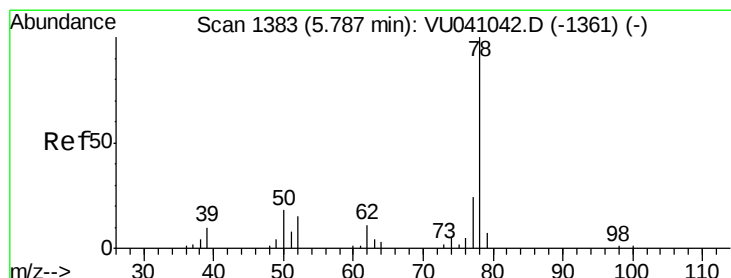
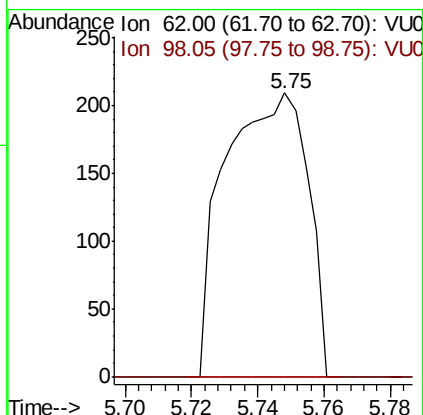
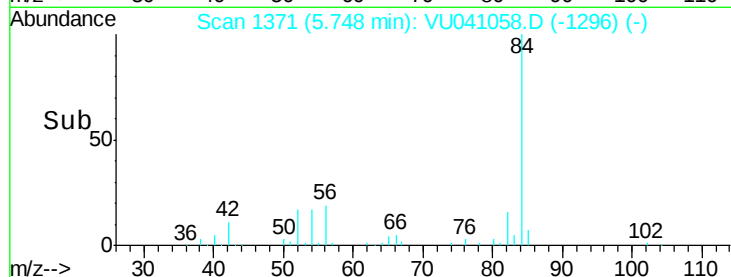
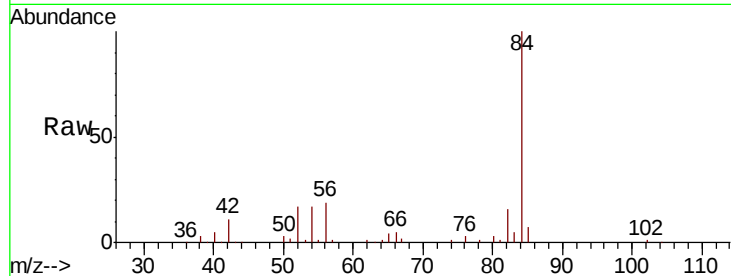




#27
 1,2-Dichloroethane
 Concen: 0.068 ug/L
 RT: 5.75 min Scan# 1371
 Delta R.T. -0.06 min
 Lab File: VU041058.D
 Acq: 02 Nov 2020 18:28

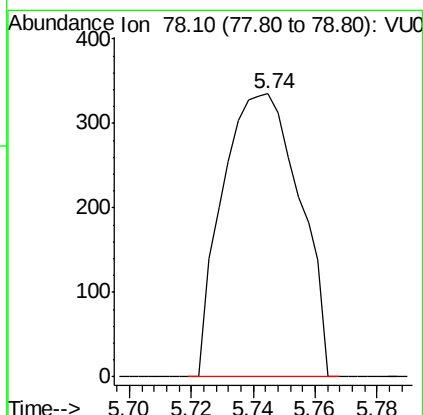
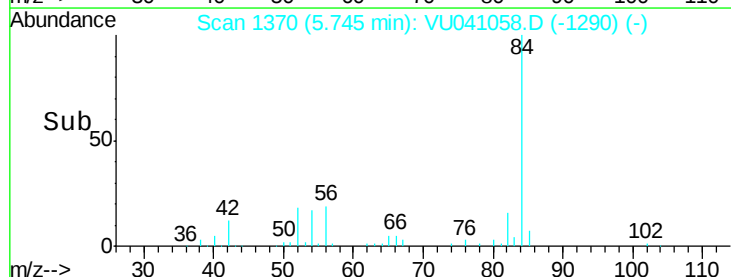
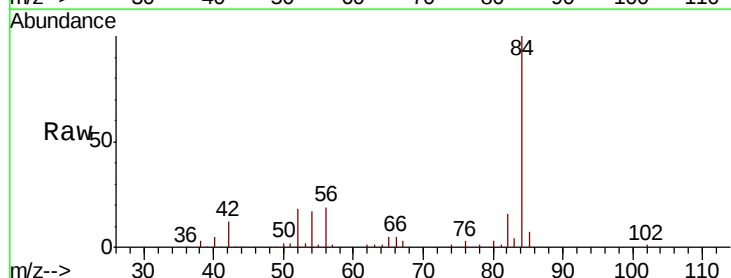
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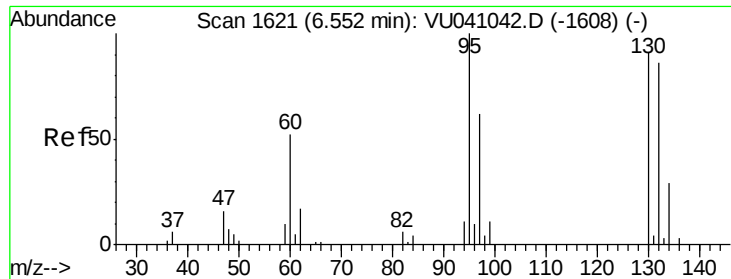
Tot Ion: 62 Resp: 362
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.037 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.04 min
 Lab File: VU041058.D
 Acq: 02 Nov 2020 18:28

Tgt Ion: 78 Resp: 578

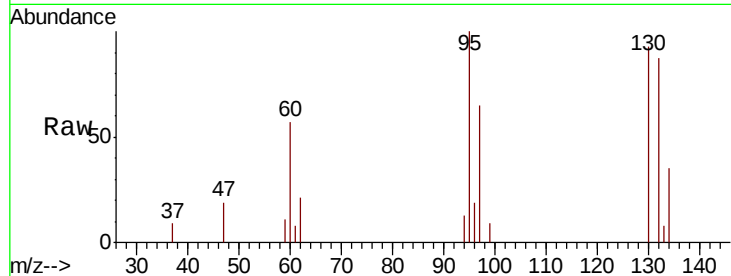




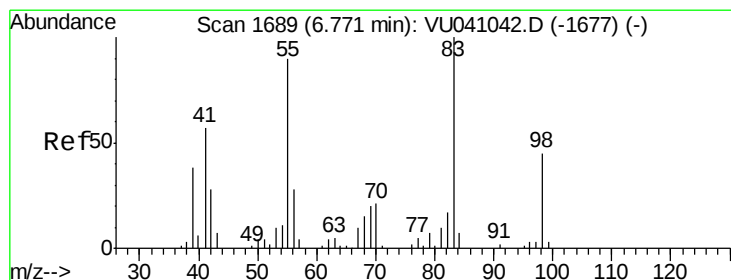
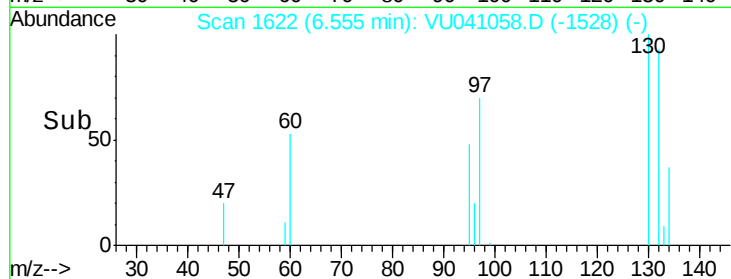
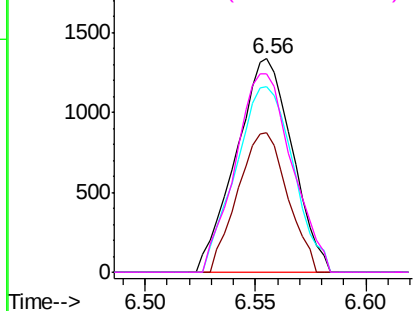
#34
 Trichloroethene
 Concen: 0.601 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041058.D
 Acq: 02 Nov 2020 18:28

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSF0

Tot Ion: 95 Resp: 2363
 Ion Ratio Lower Upper
 95 100
 97 65.2 45.6 84.6
 132 86.8 64.8 120.4
 130 93.2 64.8 120.4

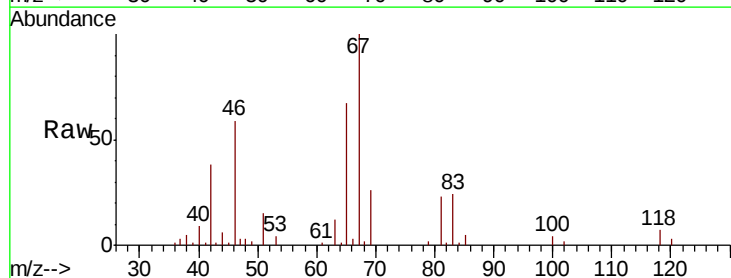


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

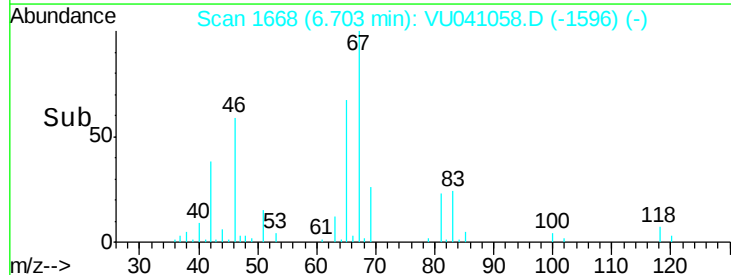
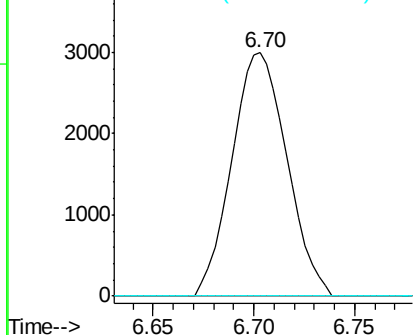


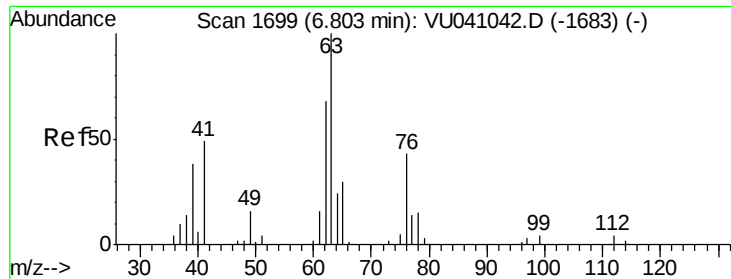
#35
 Methylcyclohexane
 Concen: 0.972 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041058.D
 Acq: 02 Nov 2020 18:28

Tgt Ion: 83 Resp: 5702
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 2.8 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

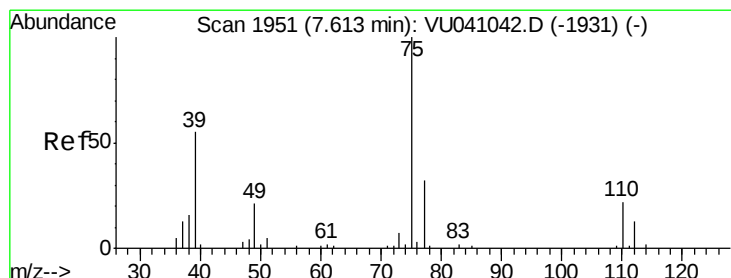
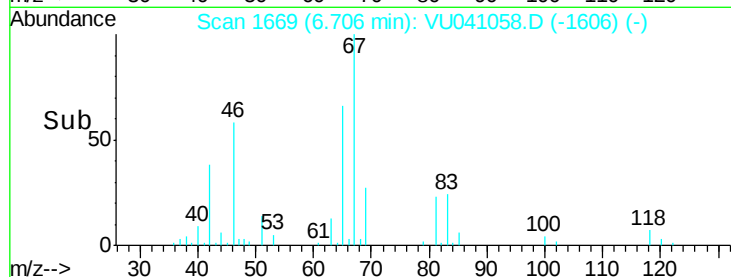
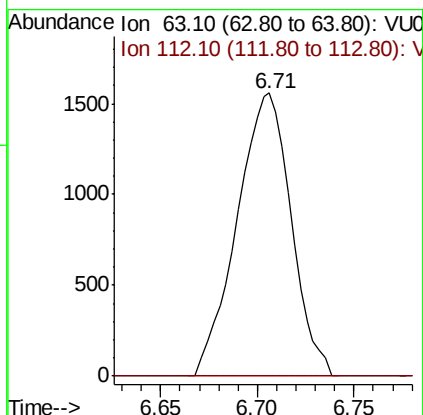
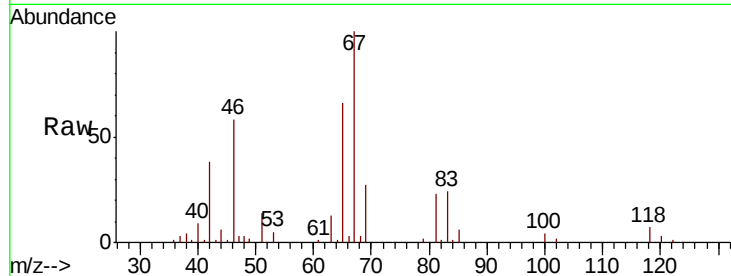




#37
 1,2-Dichloropropane
 Concen: 0.724 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU041058.D
 Acq: 02 Nov 2020 18:28

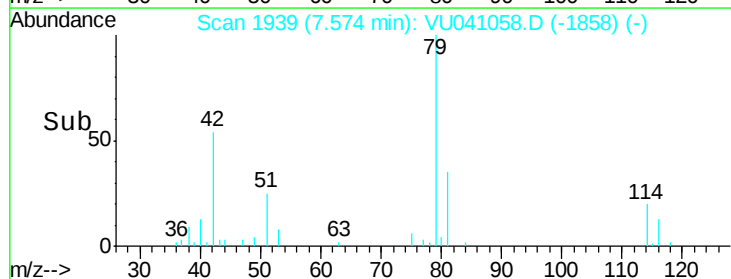
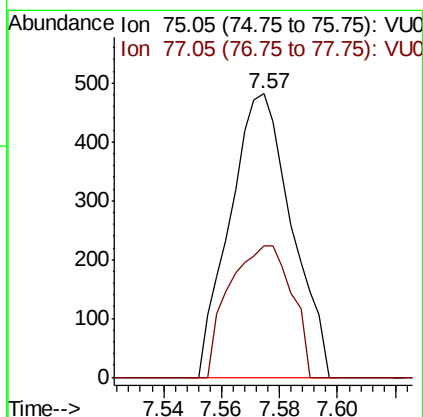
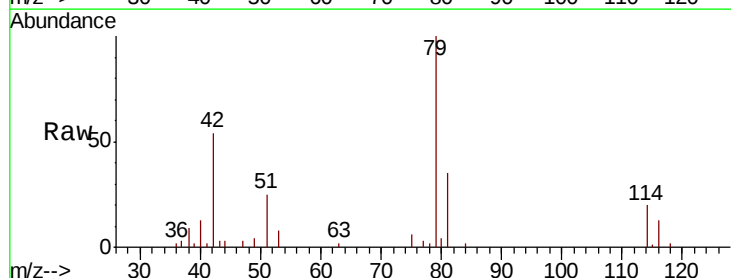
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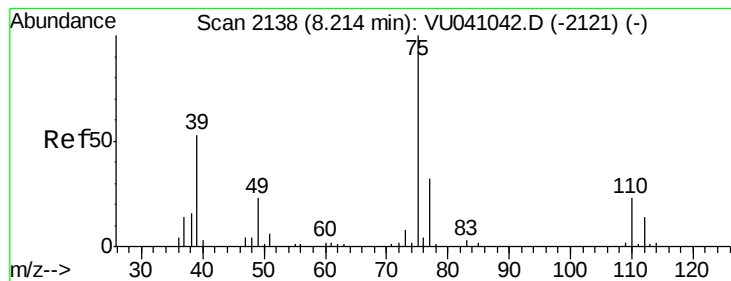
Tot Ion: 63 Resp: 3025
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.124 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041058.D
 Acq: 02 Nov 2020 18:28

Tgt Ion: 75 Resp: 711
 Ion Ratio Lower Upper
 75 100
 77 46.3 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU041058.D

Acq: 02 Nov 2020 18:28

Instrument :

MSVOA_U

ClientSampleId :

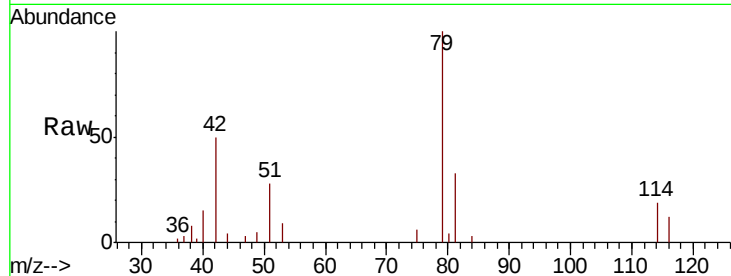
BFSF0

Tot Ion: 75 Resp: 387

Ion Ratio Lower Upper

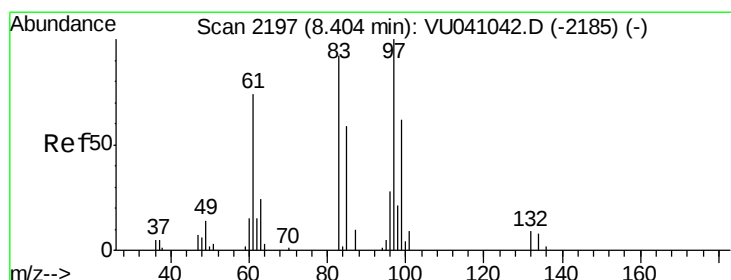
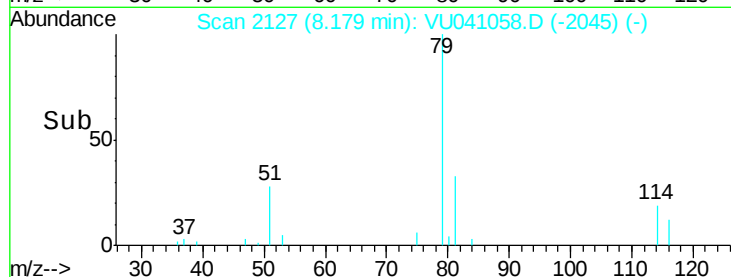
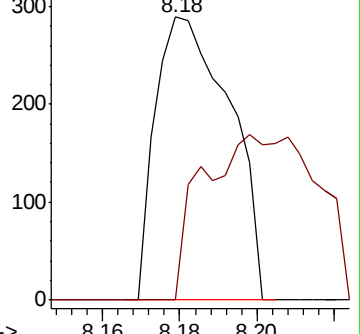
75 100

77 0.0 23.3 43.3#



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: 30.276 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.18 min

Lab File: VU041058.D

Acq: 02 Nov 2020 18:28

Tgt Ion: 97 Resp: 94208

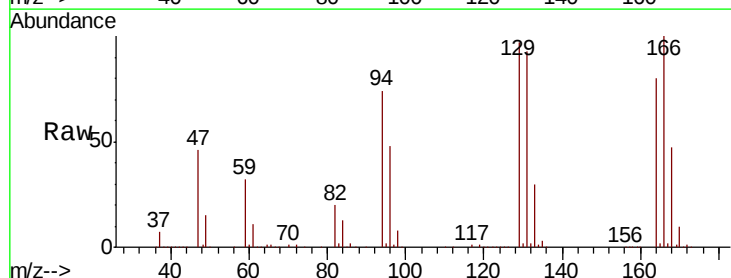
Ion Ratio Lower Upper

97 100

99 16.9 45.8 85.2#

83 237.2 67.9 126.1#

85 36.1 42.8 79.6#

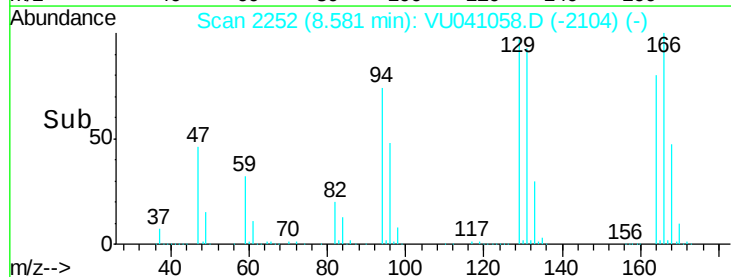
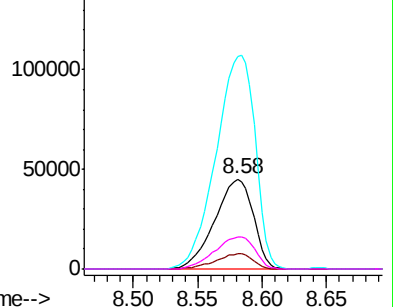


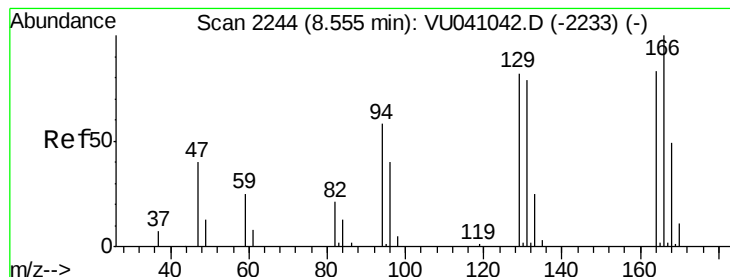
Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 2515.387 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.03 min

Lab File: VU041058.D

Acq: 02 Nov 2020 18:28

Instrument :
MSVOA_U
ClientSampleId :
BFSF0

Tot Ion:164 Resp: 7271558

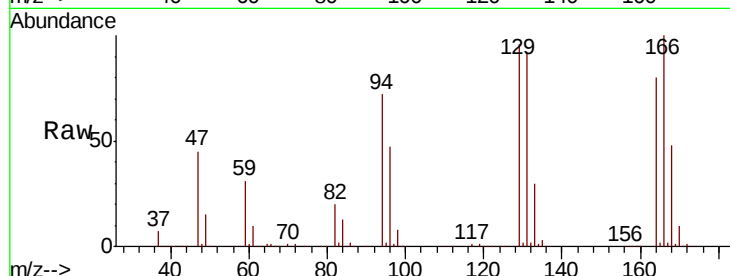
Ion Ratio Lower Upper

164 100

129 120.6 70.3 130.7

131 115.9 70.8 131.4

166 125.5 92.0 170.8

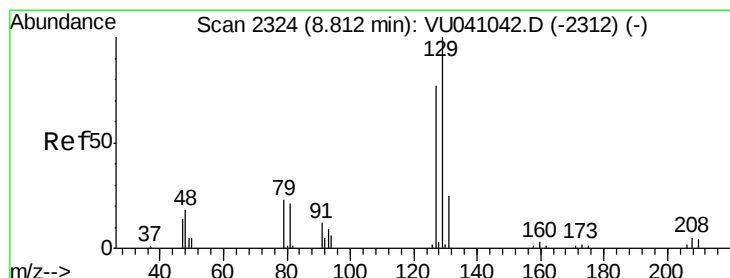
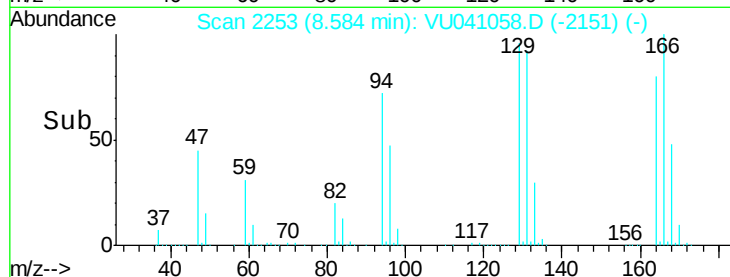
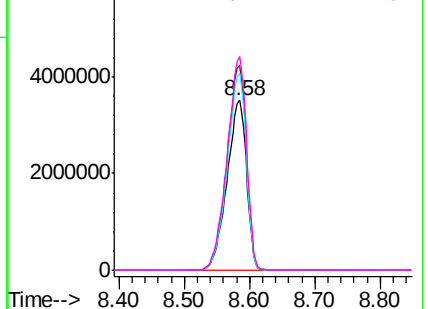


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2390.728 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.23 min

Lab File: VU041058.D

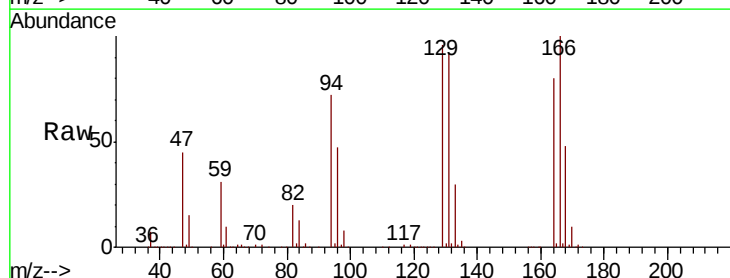
Acq: 02 Nov 2020 18:28

Tgt Ion:129 Resp: 8639291

Ion Ratio Lower Upper

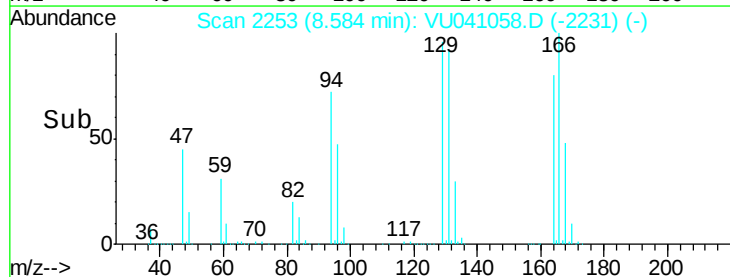
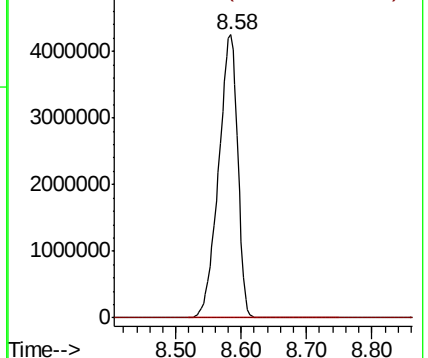
129 100

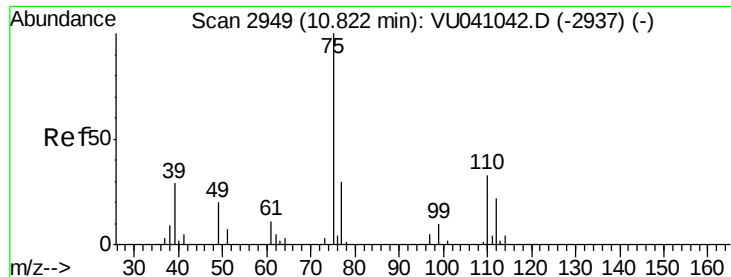
127 0.0 53.4 99.2#



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: 0.972 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041058.D

Acq: 02 Nov 2020 18:28

Instrument :

MSVOA_U

ClientSampleId :

BFSF0

Tot Ion: 75 Resp: 3029

Ion Ratio Lower Upper

75 100

77 34.3 25.7 38.5

