

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110320\
 Data File : VU041087.D
 Acq On : 03 Nov 2020 18:55
 Operator : SY/MD
 Sample : L4575-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA4

Quant Time: Nov 04 01:01:41 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	50102	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51721	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	20857	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	17376	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.92	69	14263	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.58	63	25217	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.65	46	75035	54.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.26%
24) Chloroform-d	5.08	84	34836	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.72	65	22071	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.74	84	62032	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.70	67	22619	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.91	98	49068	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.20%
43) trans-1,3-Dichloropropene-	8.19	79	8499	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.64	63	53253	50.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20012	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	19292	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	2.15	101	38785	6.064	ug/L	99
13) Acetone	2.66	43	3103	3.274	ug/L	69
22) cis-1,2-Dichloroethene	4.68	96	2170	0.585	ug/L	90
25) Chloroform	5.11	83	1269	0.176	ug/L	90
27) 1,2-Dichloroethane	5.75	62	303	0.056	ug/L #	74
31) Carbon tetrachloride	5.54	117	827	0.148	ug/L	89
33) Benzene	5.79	78	797	0.052	ug/L	100
34) Trichloroethene	6.55	95	35932	9.136	ug/L	97
35) Methylcyclohexane	6.70	83	5069	0.864	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2461	0.589	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	523	0.091	ug/L #	47
42) Toluene	7.97	91	774	0.049	ug/L	91
44) trans-1,3-Dichloropropene	8.19	75	385	0.071	ug/L	84
45) 1,1,2-Trichloroethane	8.41	97	186	0.060	ug/L #	65
47) Tetrachloroethene	8.56	164	71416	24.695	ug/L	98
49) Dibromochloromethane	8.56	129	74534	20.618	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	2860	0.918	ug/L	92

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 04 00:51:13 2020
Response via : Initial Calibration

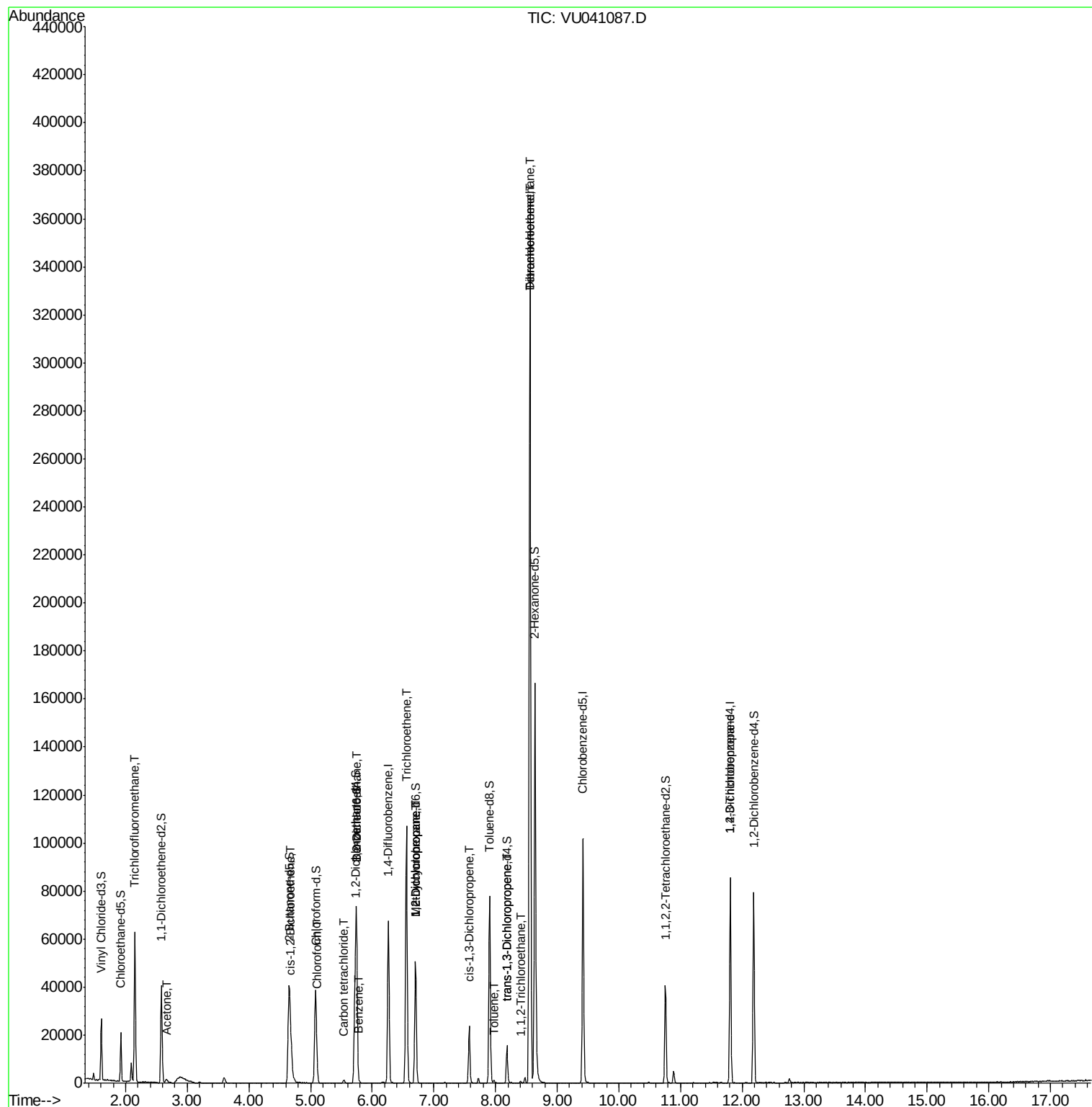
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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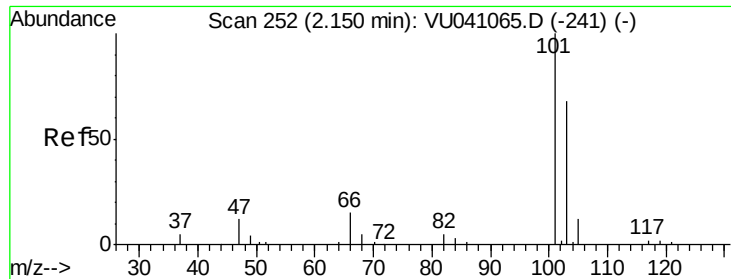
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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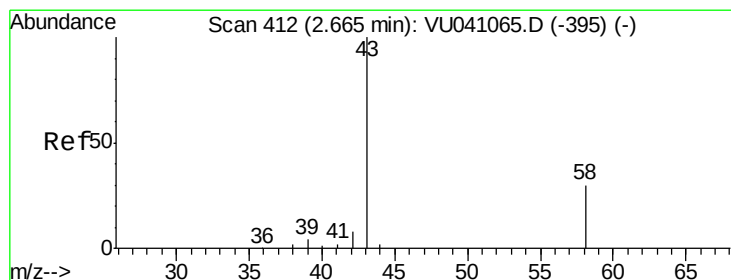
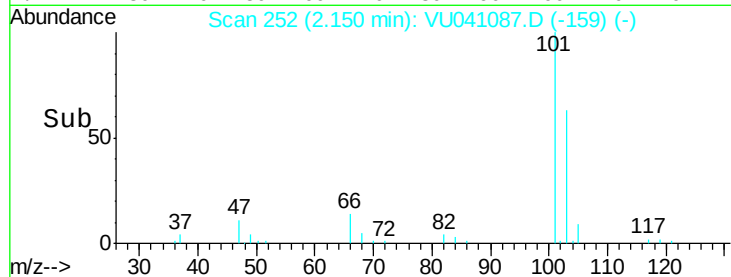
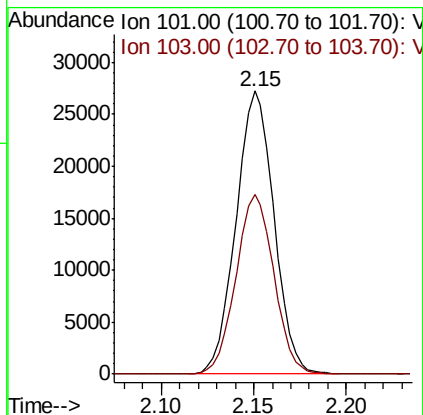
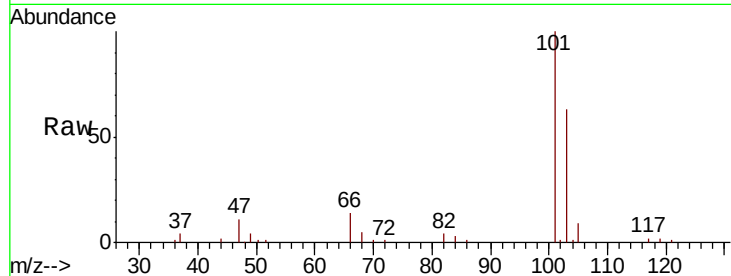


#9

Trichlorofluoromethane
 Concen: 6.064 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU041087.D
 Acq: 03 Nov 2020 18:55

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA4

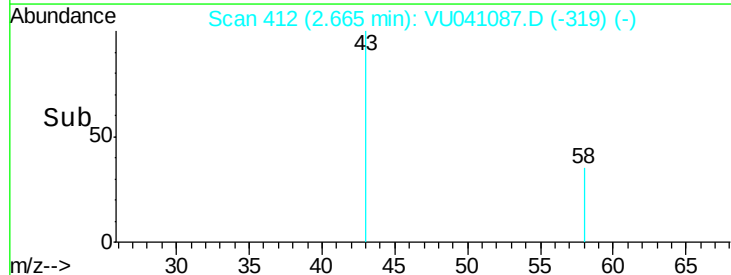
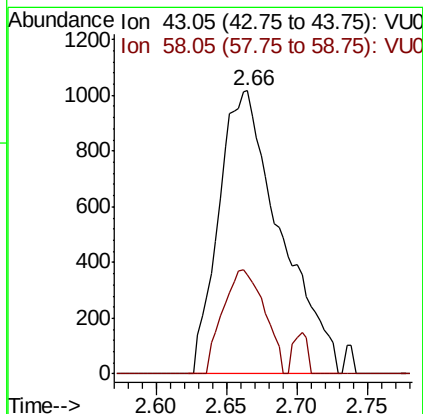
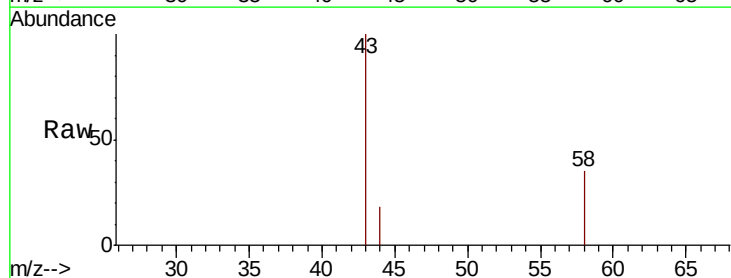
Tot Ion:101 Resp: 38785
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.0 76.4

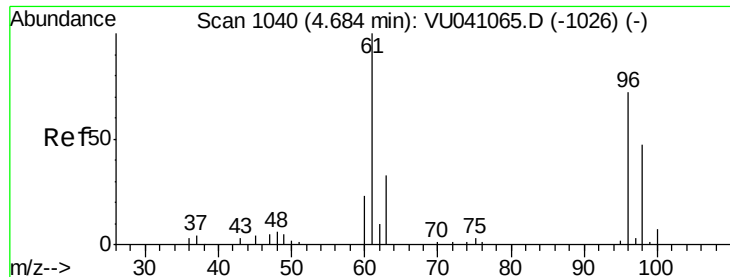


#13

Acetone
 Concen: 3.274 ug/L
 RT: 2.66 min Scan# 412
 Delta R.T. -0.00 min
 Lab File: VU041087.D
 Acq: 03 Nov 2020 18:55

Tgt Ion: 43 Resp: 3103
 Ion Ratio Lower Upper
 43 100
 58 24.8 0.0 25.4





#22

cis-1,2-Dichloroethene

Concen: 0.585 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041087.D

Acq: 03 Nov 2020 18:55

Instrument :

MSVOA_U

ClientSampleId :

C0AA4

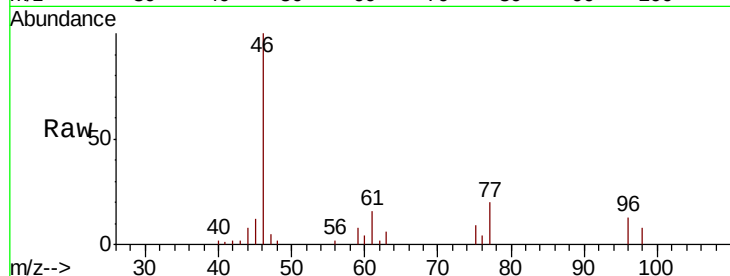
Tot Ion: 96 Resp: 2170

Ion Ratio Lower Upper

96 100

61 126.4 97.2 180.4

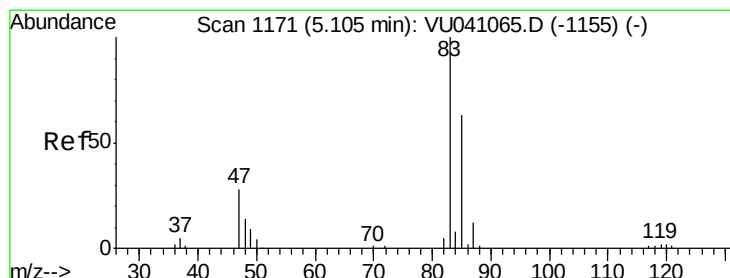
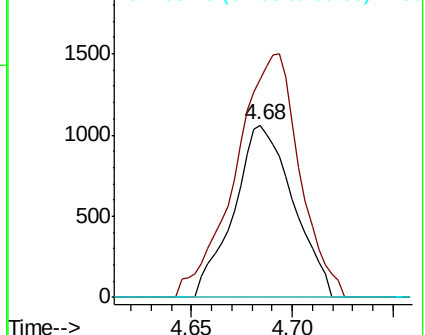
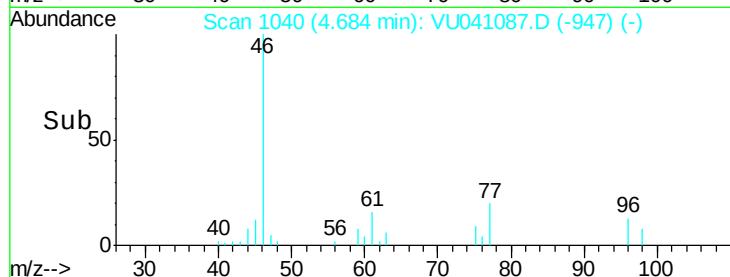
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041087.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041087.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041087.D (-947) (-)



#25

Chloroform

Concen: 0.176 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU041087.D

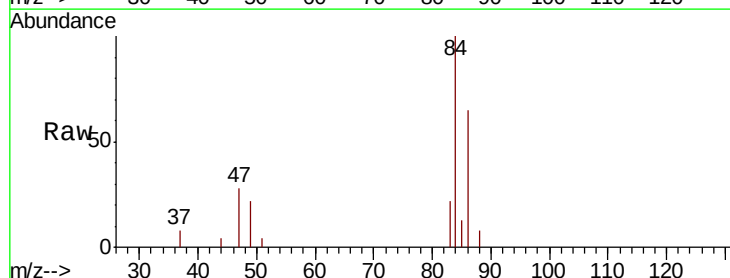
Acq: 03 Nov 2020 18:55

Tgt Ion: 83 Resp: 1269

Ion Ratio Lower Upper

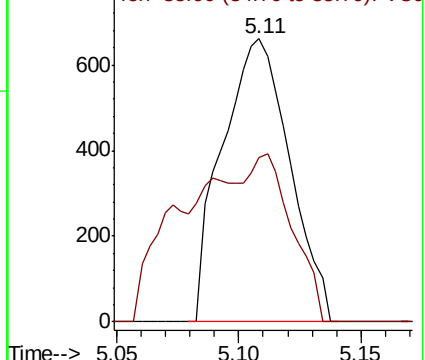
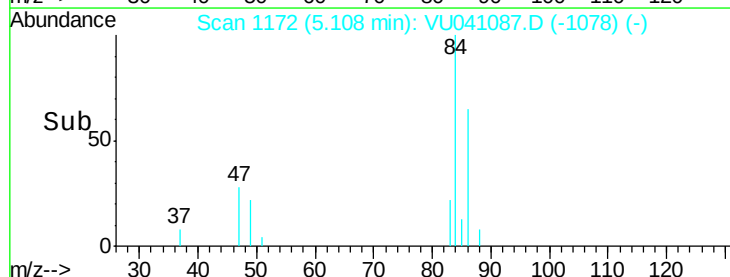
83 100

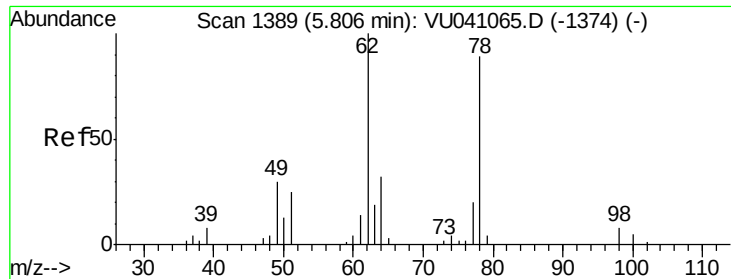
85 58.2 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU041087.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU041087.D (-1078) (-)

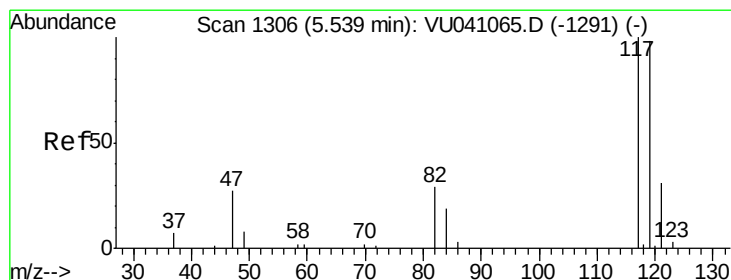
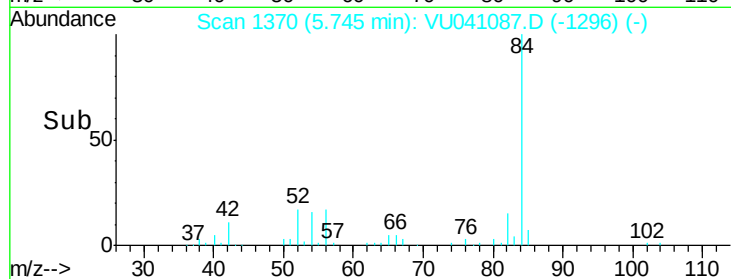
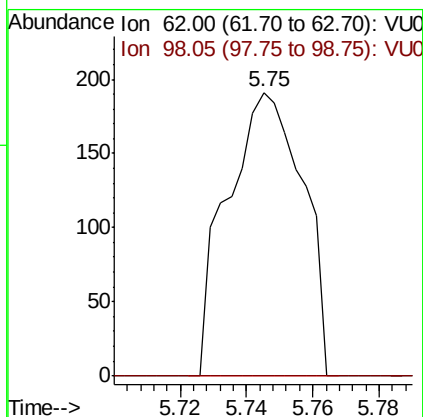
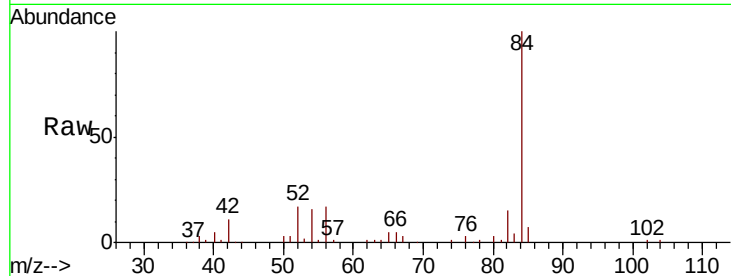




#27
 1,2-Dichloroethane
 Concen: 0.056 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU041087.D
 Acq: 03 Nov 2020 18:55

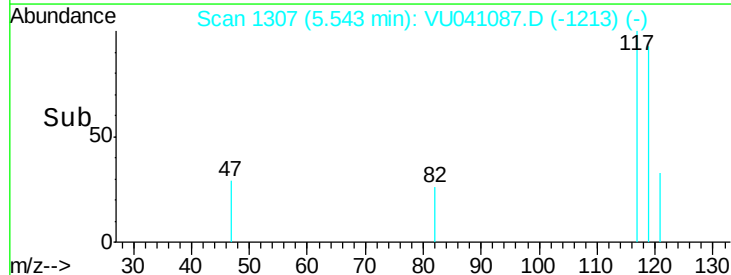
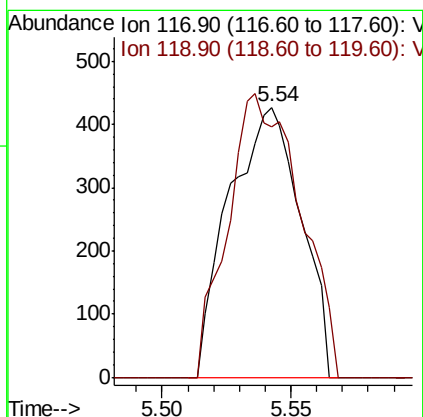
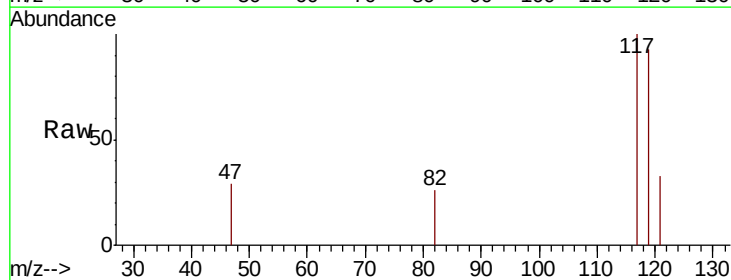
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA4

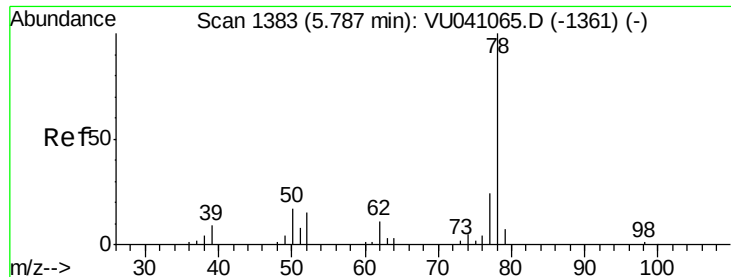
Tot Ion: 62.00 Resp: 303
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#31
 Carbon tetrachloride
 Concen: 0.148 ug/L
 RT: 5.54 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VU041087.D
 Acq: 03 Nov 2020 18:55

Tgt Ion: 117 Resp: 827
 Ion Ratio Lower Upper
 117 100
 119 105.9 76.1 114.1

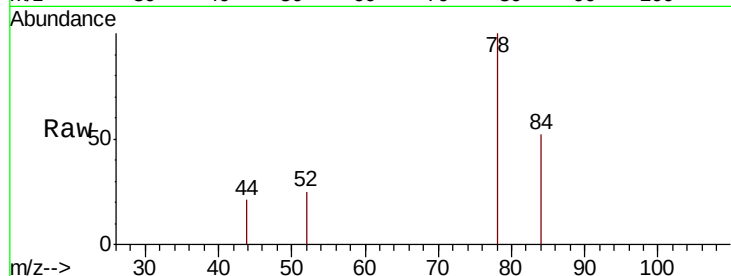




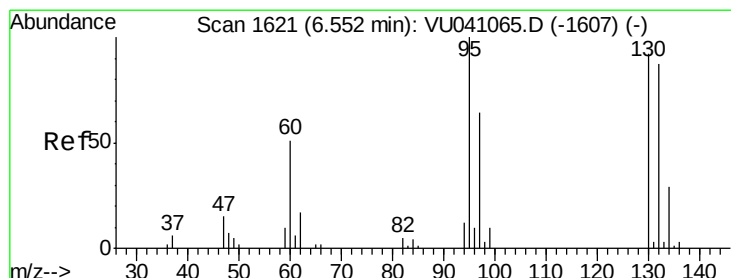
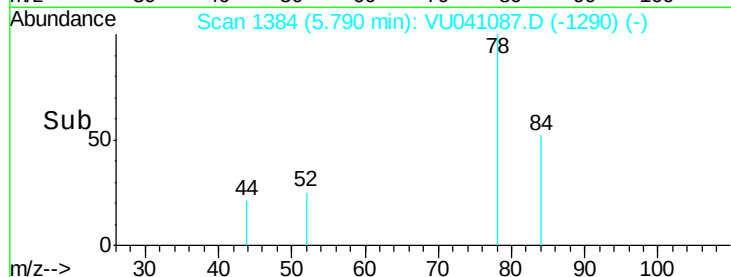
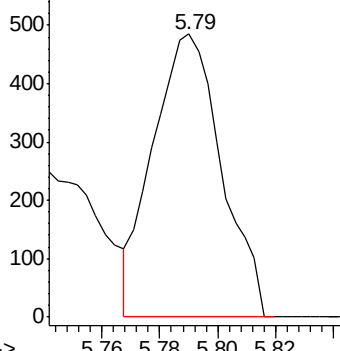
#33
Benzene
Concen: 0.052 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041087.D
Acq: 03 Nov 2020 18:55

Instrument :
MSVOA_U
ClientSampled :
C0AA4

Tgt Ion: 78 Resp: 797

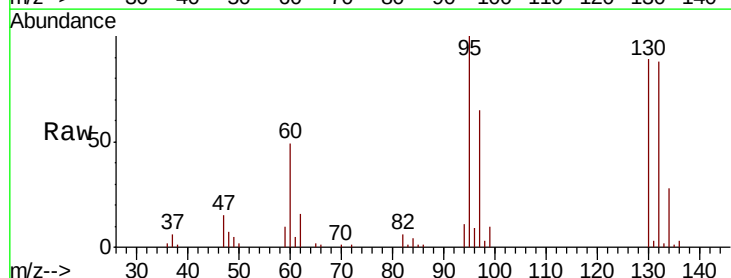


Abundance Ion 78.10 (77.80 to 78.80): VU0



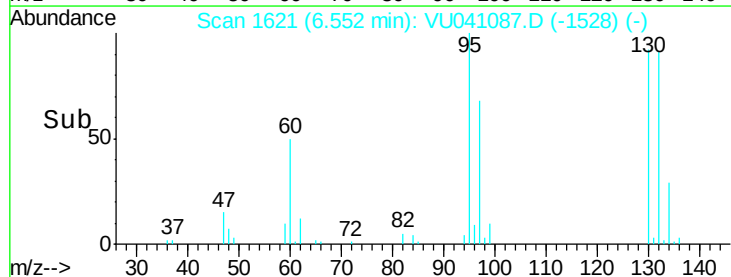
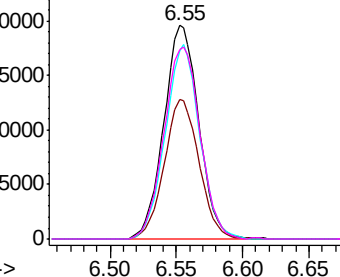
#34
Trichloroethene
Concen: 9.136 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU041087.D
Acq: 03 Nov 2020 18:55

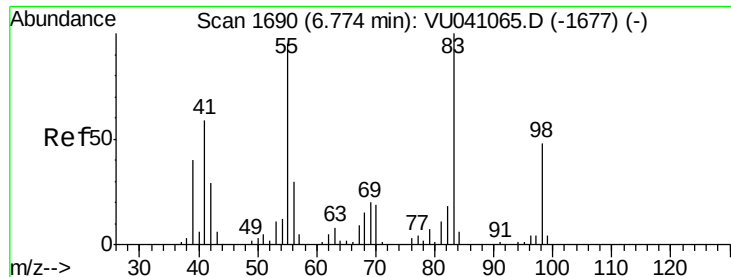
Tgt Ion: 95 Resp: 35932
Ion Ratio Lower Upper
95 100
97 65.4 45.6 84.6
132 88.2 64.8 120.4
130 88.9 64.8 120.4



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): VU0
Ion 129.95 (129.65 to 130.65): VU0

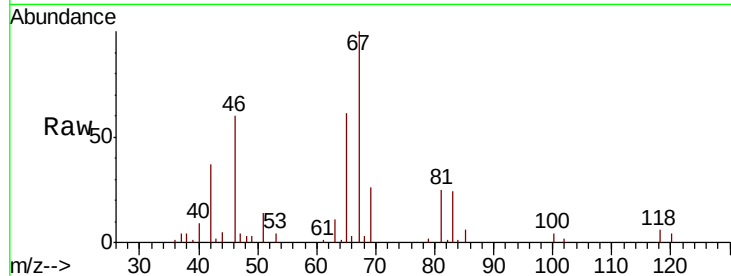




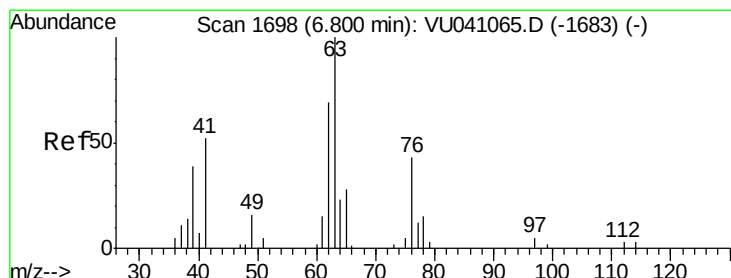
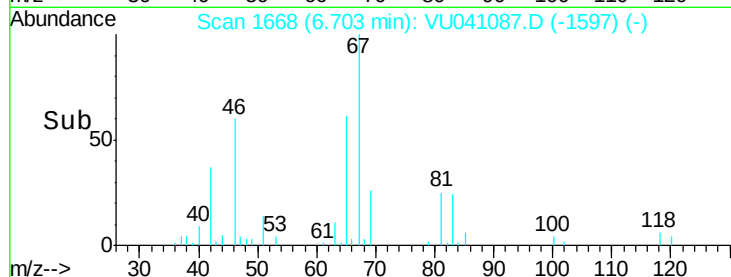
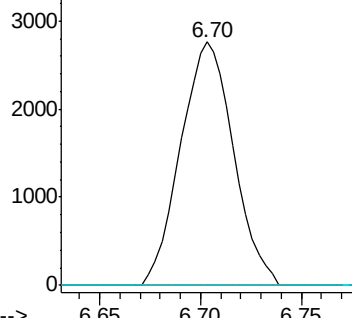
#35
Methylvlcyclohexane
Concen: 0.864 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041087.D
Acq: 03 Nov 2020 18:55

Instrument :
MSVOA_U
ClientSampleId :
C0AA4

Tot Ion: 83 Resp: 5069
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

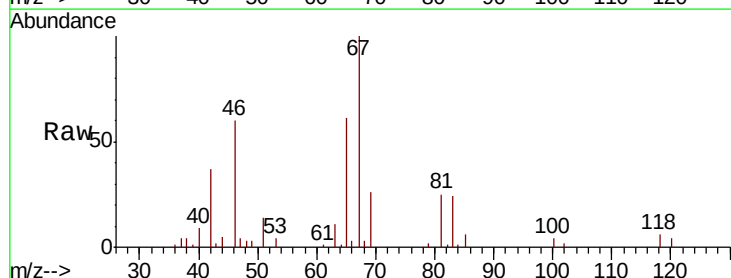


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

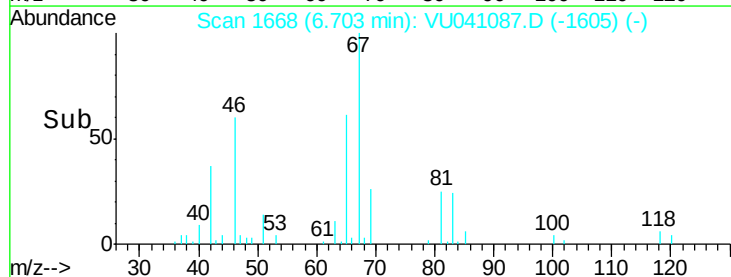
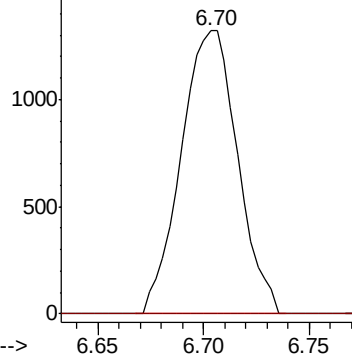


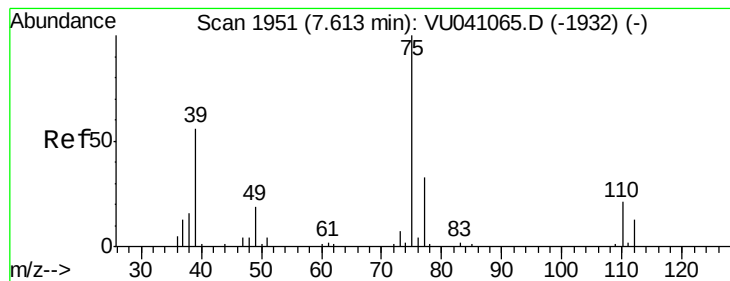
#37
1,2-Dichloropropane
Concen: 0.589 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041087.D
Acq: 03 Nov 2020 18:55

Tgt Ion: 63 Resp: 2461
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



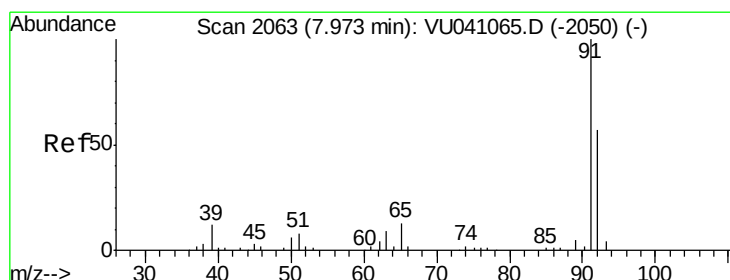
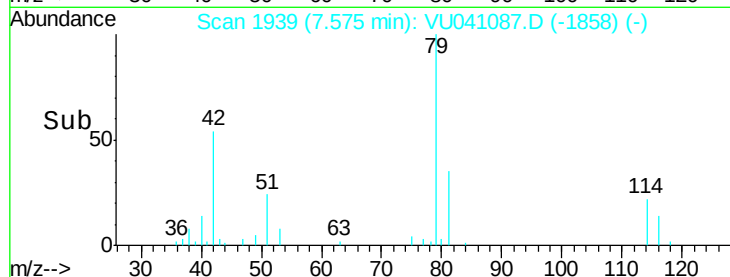
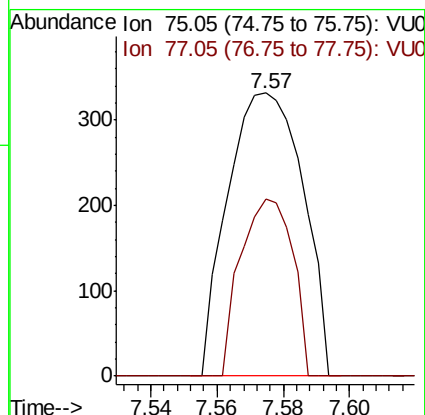
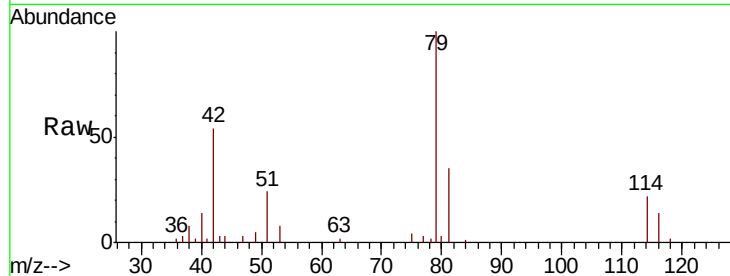


#39

cis-1,3-Dichloropropene
Concen: 0.091 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU041087.D
Acq: 03 Nov 2020 18:55

Instrument :
MSVOA_U
ClientSampleId :
C0AA4

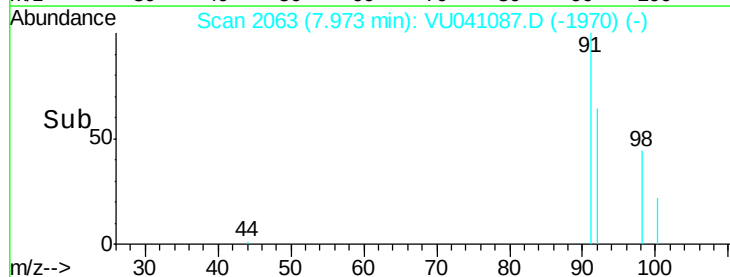
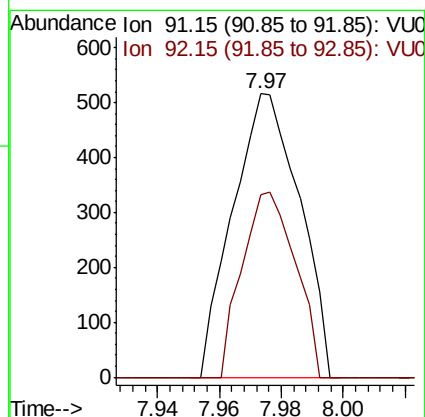
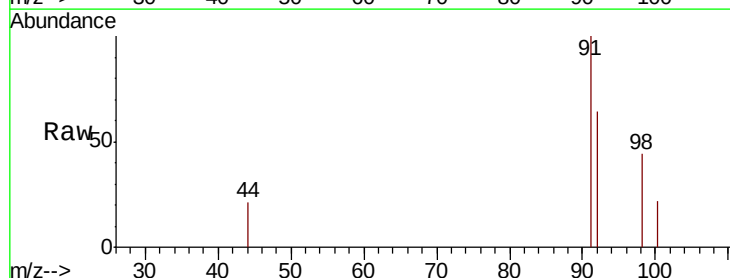
Tot Ion: 75 Resp: 523
Ion Ratio Lower Upper
75 100
77 62.3 22.7 42.3#

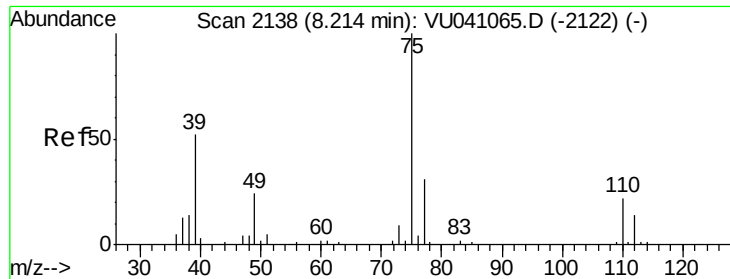


#42

Toluene
Concen: 0.049 ug/L
RT: 7.97 min Scan# 2063
Delta R.T. -0.00 min
Lab File: VU041087.D
Acq: 03 Nov 2020 18:55

Tgt Ion: 91 Resp: 774
Ion Ratio Lower Upper
91 100
92 64.3 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041087.D

Acq: 03 Nov 2020 18:55

Instrument :

MSVOA_U

ClientSampleId :

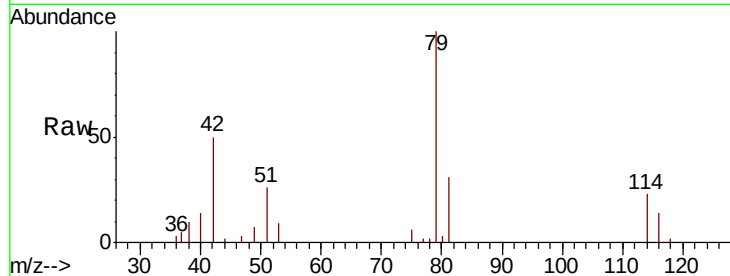
C0AA4

Tot Ion: 75 Resp: 385

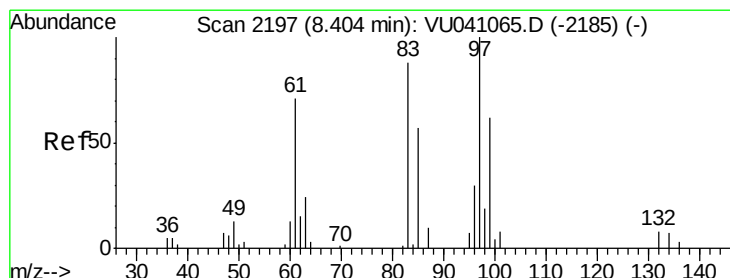
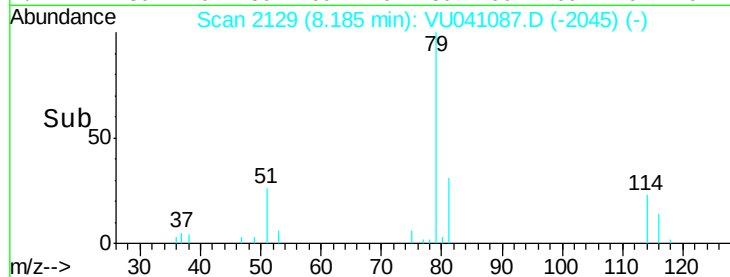
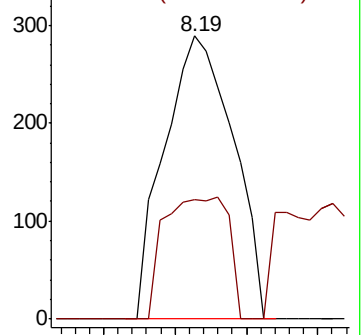
Ion Ratio Lower Upper

75 100

77 42.2 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041065.D (-2122) (-)



#45

1,1,2-Trichloroethane

Concen: 0.060 ug/L

RT: 8.41 min Scan# 2199

Delta R.T. 0.01 min

Lab File: VU041087.D

Acq: 03 Nov 2020 18:55

Tgt Ion: 97 Resp: 186

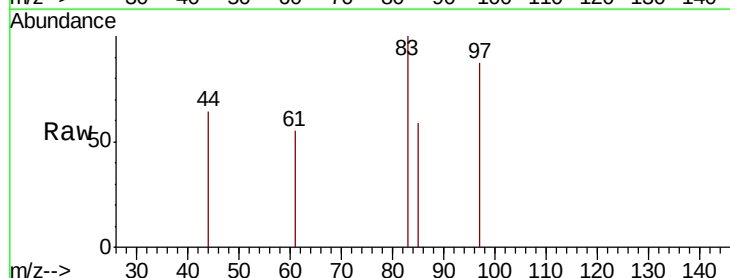
Ion Ratio Lower Upper

97 100

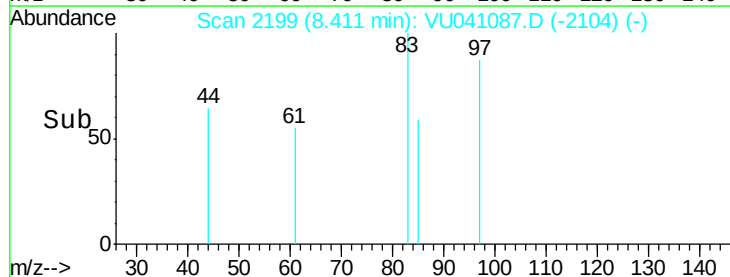
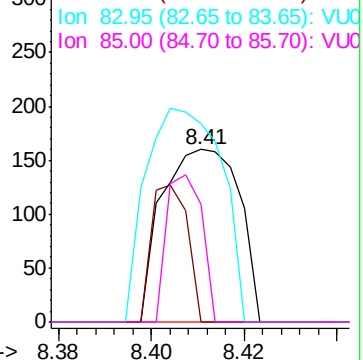
99 0.0 45.8 85.2#

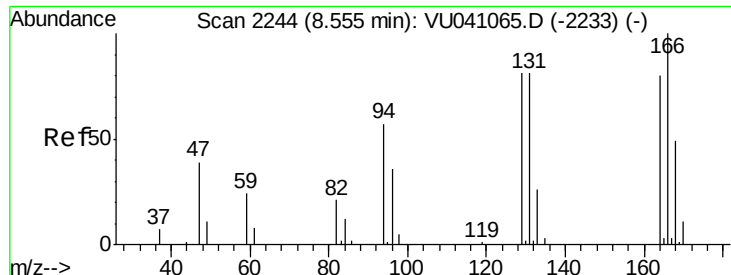
83 115.0 67.9 126.1

85 68.1 42.8 79.6



Abundance Ion 96.95 (96.65 to 97.65): VU041065.D (-2185) (-)





#47

Tetrachloroethene

Concen: 24.695 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041087.D

Acq: 03 Nov 2020 18:55

Instrument :

MSVOA_U

ClientSampleId :

C0AA4

Tot Ion:164 Resp: 71416

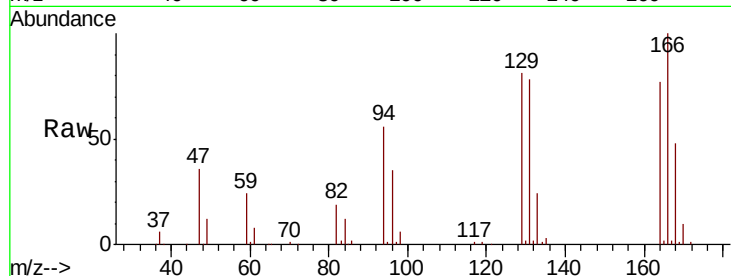
Ion Ratio Lower Upper

164 100

129 105.0 70.3 130.7

131 101.0 70.8 131.4

166 129.0 92.0 170.8

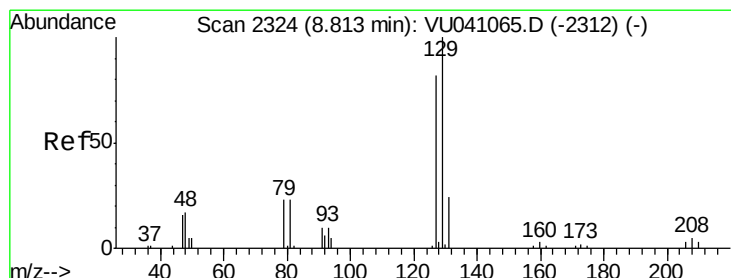
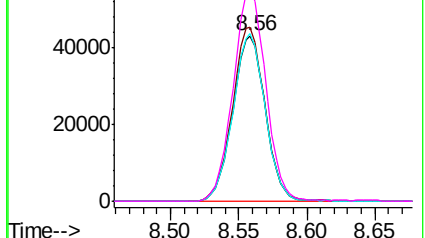
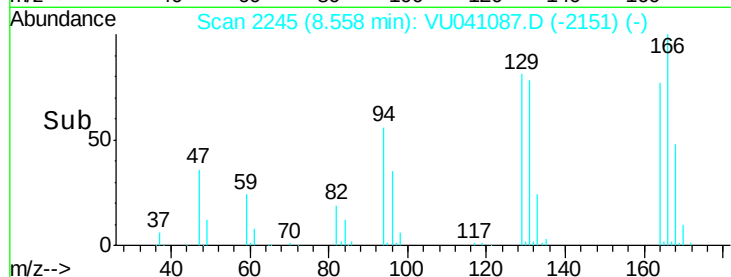


Abundance Ion 163.90 (163.60 to 164.60): V

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: 20.618 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041087.D

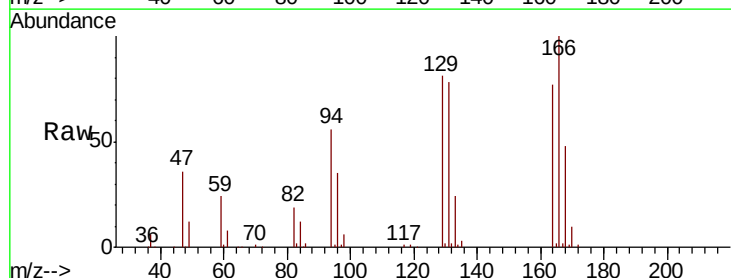
Acq: 03 Nov 2020 18:55

Tgt Ion:129 Resp: 74534

Ion Ratio Lower Upper

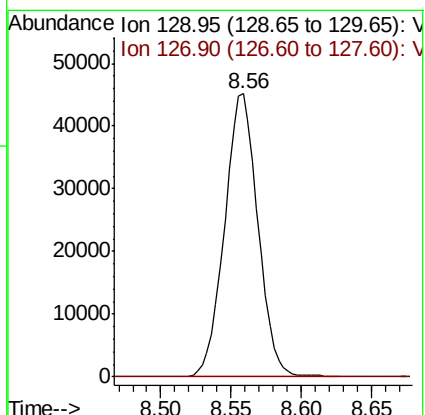
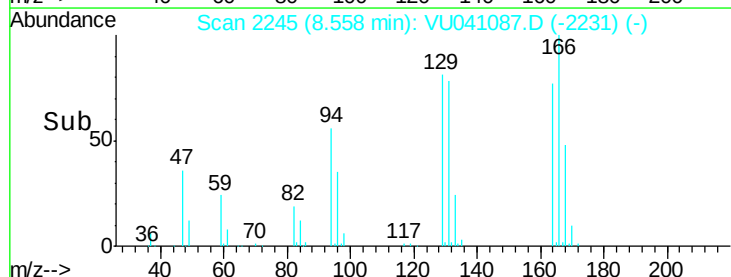
129 100

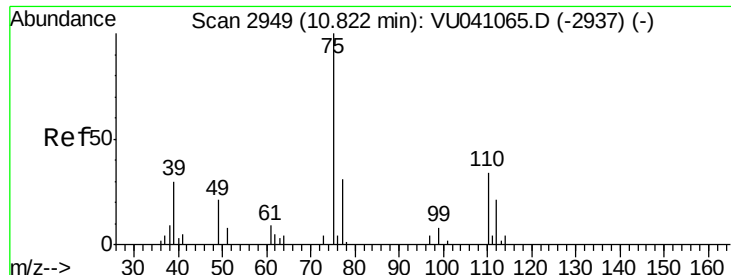
127 0.0 53.4 99.2#



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: 0.918 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041087.D

Acq: 03 Nov 2020 18:55

Instrument :

MSVOA_U

ClientSampleId :

C0AA4

Tot Ion: 75 Resp: 2860

Ion Ratio Lower Upper

75 100

77 36.8 25.7 38.5

