

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110420\
 Data File : VU041094.D
 Acq On : 04 Nov 2020 11:31
 Operator : SY/MD
 Sample : L4575-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 00:50:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 05 00:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	53900	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	56239	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23432	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15991	3.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.60%
7) Chloroethane-d5	1.92	69	12802	3.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.60%
11) 1,1-Dichloroethene-d2	2.58	63	22723	2.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.20%#
20) 2-Butanone-d5	4.65	46	76373	51.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.44%
24) Chloroform-d	5.08	84	32063	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.20%
26) 1,2-Dichloroethane-d4	5.72	65	21778	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
32) Benzene-d6	5.74	84	57742	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.80%
36) 1,2-Dichloropropane-d6	6.70	67	20254	4.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.60%
41) Toluene-d8	7.90	98	44401	3.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.20%#
43) trans-1,3-Dichloropropene-	8.19	79	7993	3.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.20%
46) 2-Hexanone-d5	8.64	63	53867	47.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.26%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	20187	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	18025	4.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	301	0.059	ug/L #	43
9) Trichlorofluoromethane	2.15	101	76462	11.113	ug/L	99
13) Acetone	2.66	43	923	0.905	ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	5223	1.309	ug/L	99
25) Chloroform	5.11	83	1708	0.220	ug/L	88
27) 1,2-Dichloroethane	5.75	62	298	0.052	ug/L #	74
31) Carbon tetrachloride	5.54	117	1590	0.261	ug/L	92
34) Trichloroethene	6.55	95	2871	0.671	ug/L	93
35) Methylcyclohexane	6.70	83	4585	0.719	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	2483	0.546	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	509	0.081	ug/L #	69
44) trans-1,3-Dichloropropene	8.18	75	363	0.062	ug/L #	72
45) 1,1,2-Trichloroethane	8.40	97	317	0.094	ug/L #	79
47) Tetrachloroethene	8.56	164	61569	19.579	ug/L	98
49) Dibromochloromethane	8.56	129	61920	15.752	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3183	0.939	ug/L #	85

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 05 00:43:32 2020
Response via : Initial Calibration

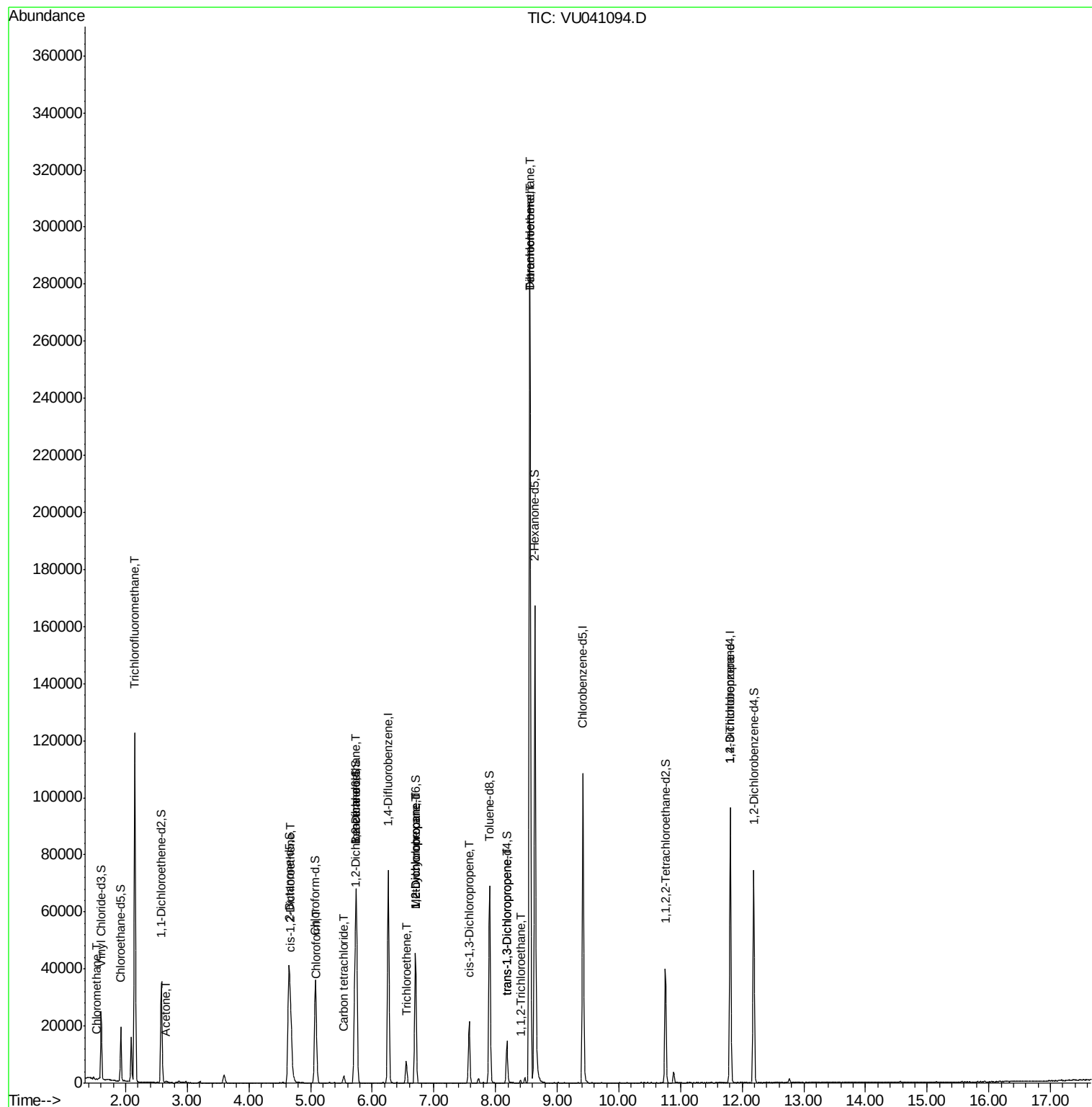
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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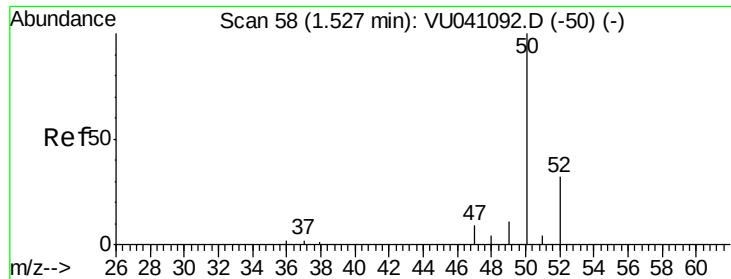
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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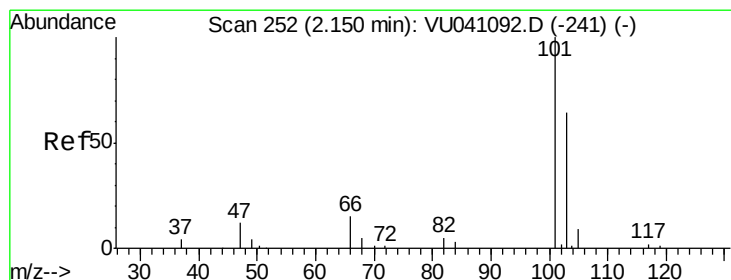
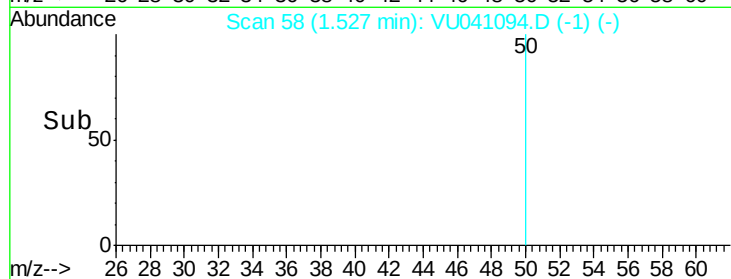
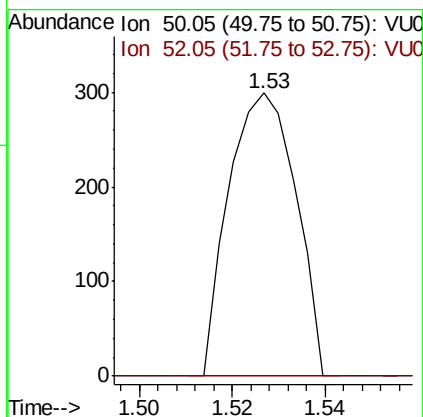
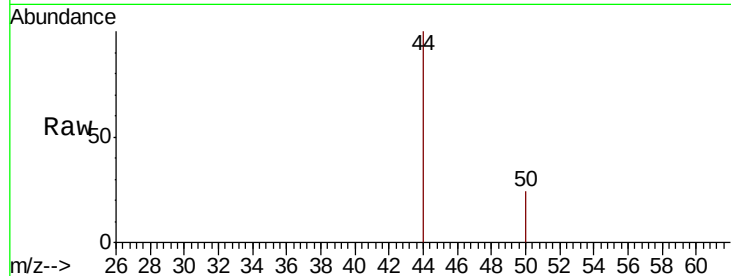




#3
Chloromethane
Concen: 0.059 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU041094.D
Acq: 04 Nov 2020 11:31

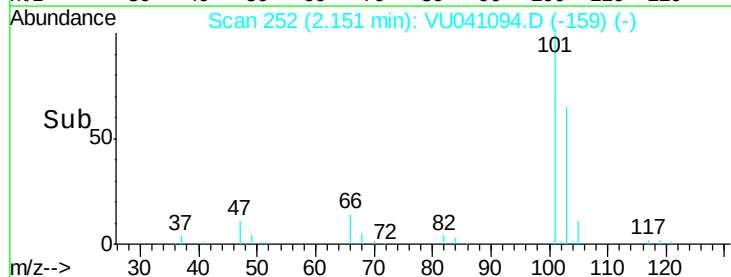
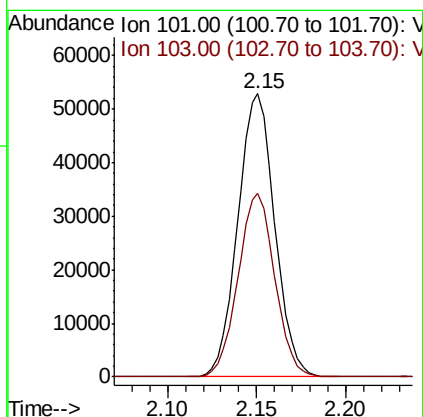
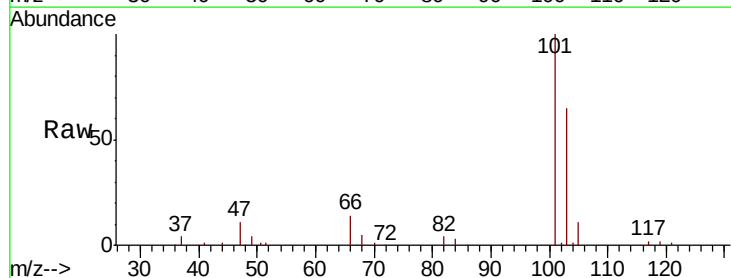
Instrument :
MSVOA_U
ClientSampleId :

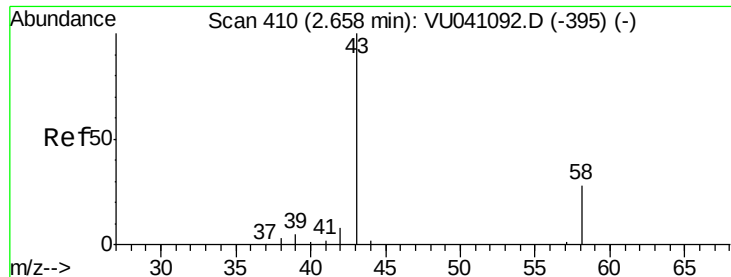
Tot Ion: 50 Resp: 301
Ion Ratio Lower Upper
50 100
52 0.0 22.4 41.6#



#9
Trichlorofluoromethane
Concen: 11.113 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041094.D
Acq: 04 Nov 2020 11:31

Tgt Ion:101 Resp: 76462
Ion Ratio Lower Upper
101 100
103 64.5 51.0 76.4





#13

Acetone

Concen: 0.905 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU041094.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_U

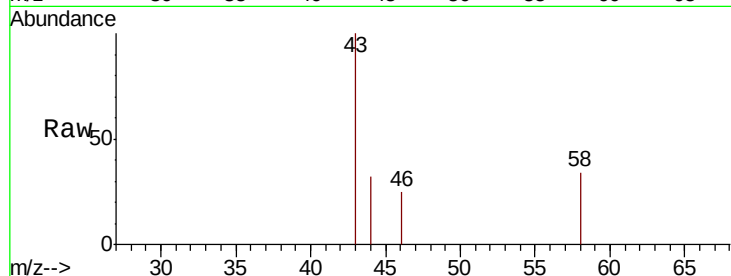
ClientSampleId :

Tot Ion: 43 Resp: 923

Ion Ratio Lower Upper

43 100

58 13.1 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041092.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU041092.D (-395) (-)

2.66

400

300

200

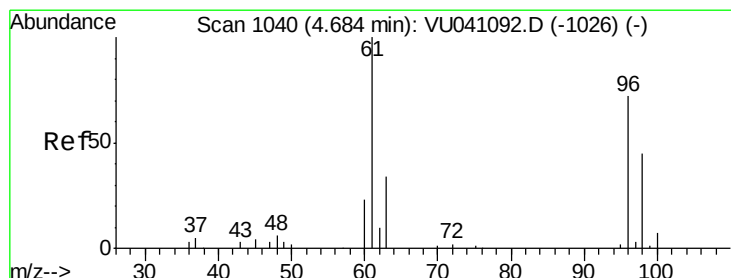
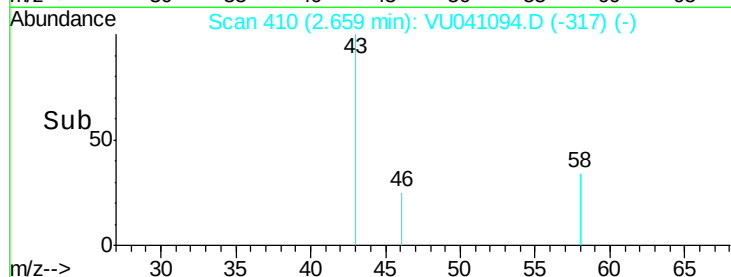
100

0

2.65

2.70

Time-->



#22

cis-1,2-Dichloroethene

Concen: 1.309 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041094.D

Acq: 04 Nov 2020 11:31

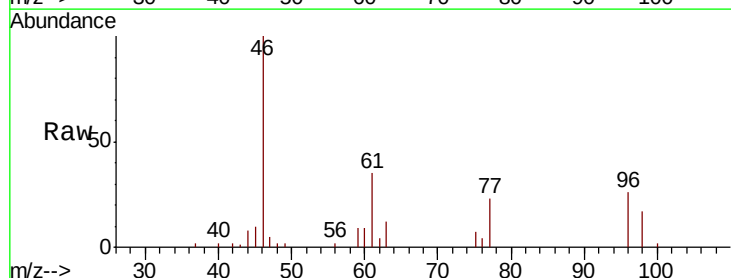
Tgt Ion: 96 Resp: 5223

Ion Ratio Lower Upper

96 100

61 137.2 97.2 180.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041092.D (-1026) (-)

Ion 61.05 (60.75 to 61.75): VU041092.D (-1026) (-)

Ion 68.15 (67.85 to 68.85): VU041092.D (-1026) (-)

4000

3000

2000

1000

0

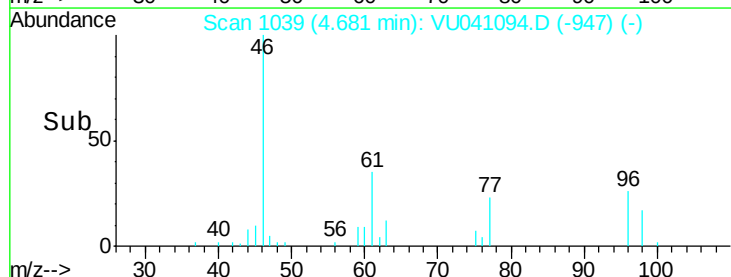
4.60

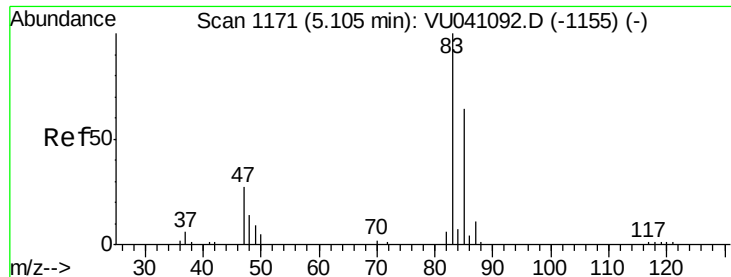
4.65

4.70

4.75

Time-->

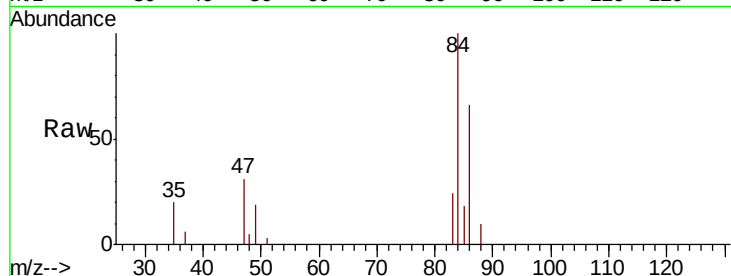




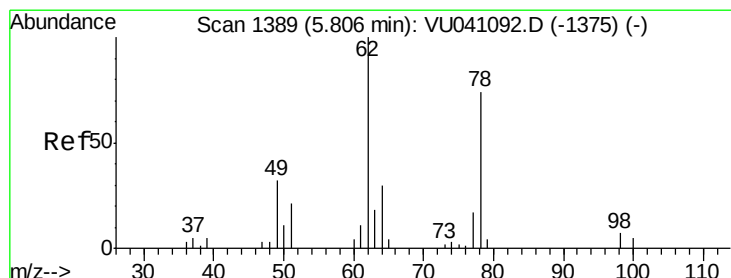
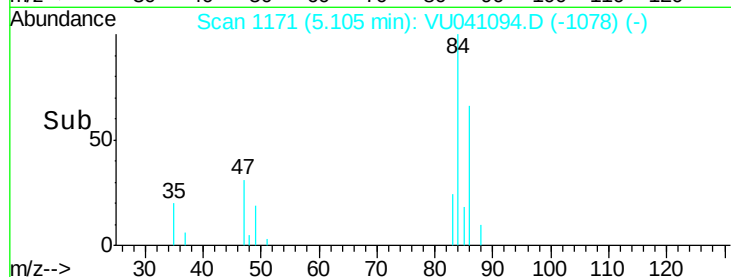
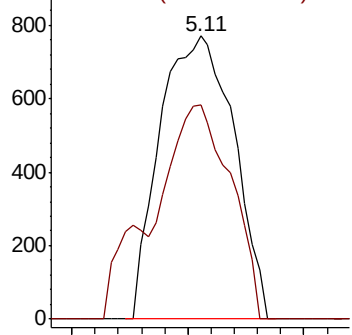
#25
Chloroform
Concen: 0.220 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041094.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 1708
Ion Ratio Lower Upper
83 100
85 75.6 46.1 85.7

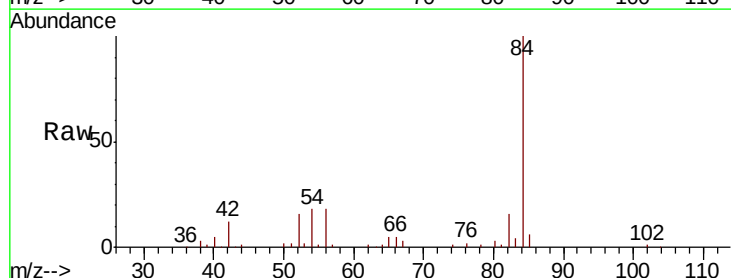


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

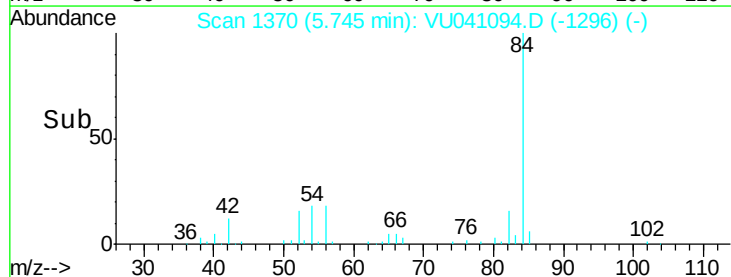
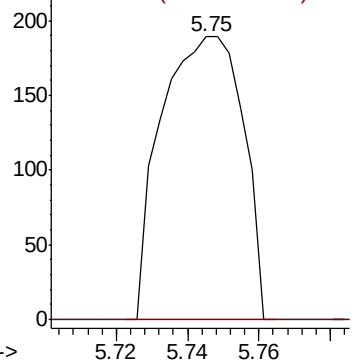


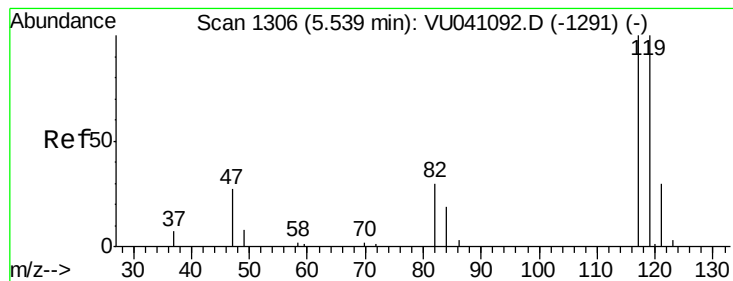
#27
1,2-Dichloroethane
Concen: 0.052 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041094.D
Acq: 04 Nov 2020 11:31

Tgt Ion: 62 Resp: 298
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





#31

Carbon tetrachloride

Concen: 0.261 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041094.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_U

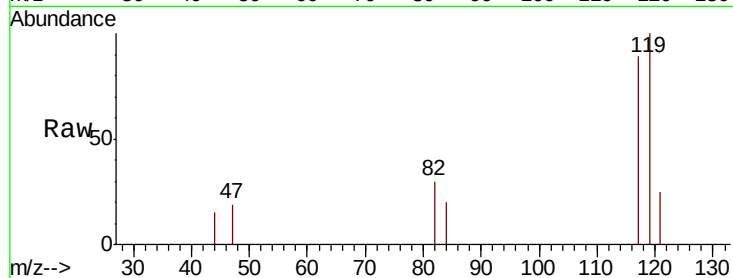
ClientSampleId :

Tot Ion:117 Resp: 1590

Ion Ratio Lower Upper

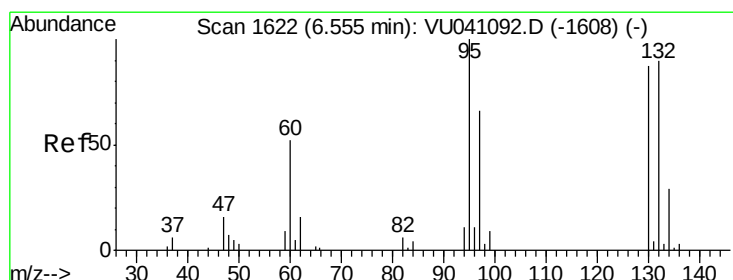
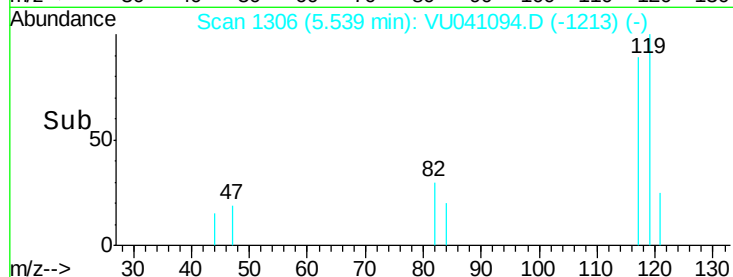
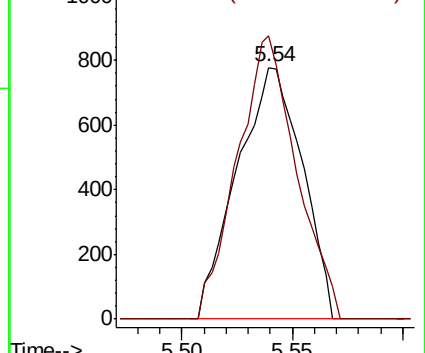
117 100

119 102.7 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.671 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041094.D

Acq: 04 Nov 2020 11:31

Tgt Ion: 95 Resp: 2871

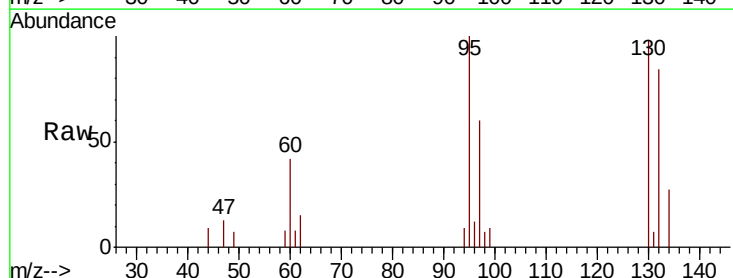
Ion Ratio Lower Upper

95 100

97 59.7 45.6 84.6

132 83.6 64.8 120.4

130 98.0 64.8 120.4

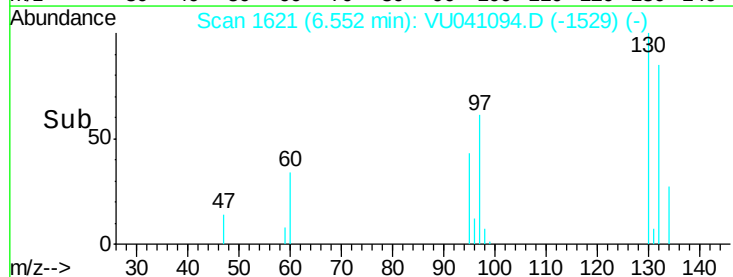
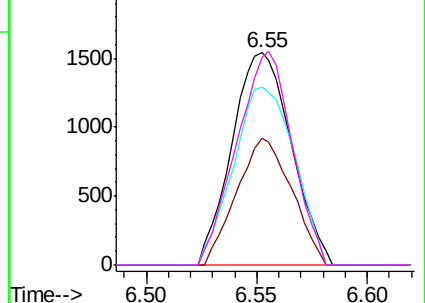


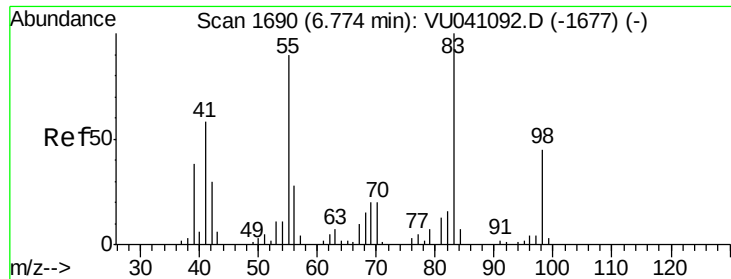
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

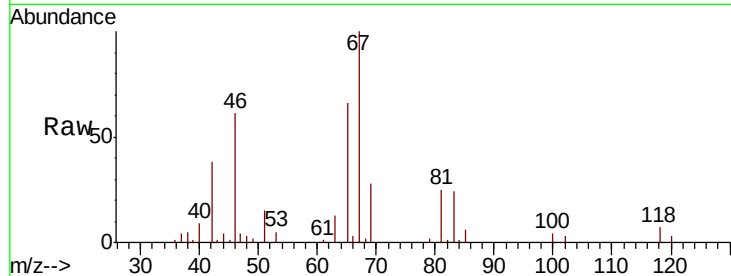




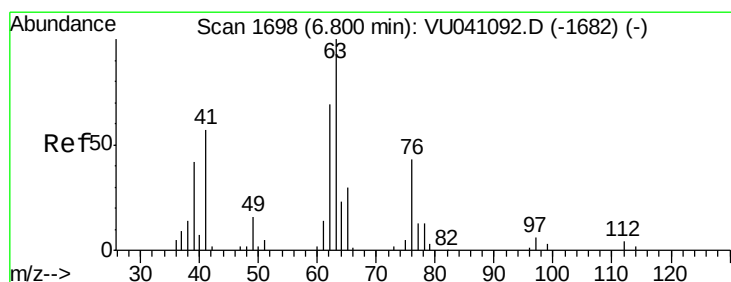
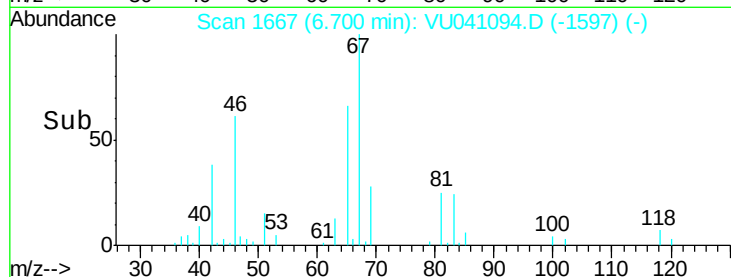
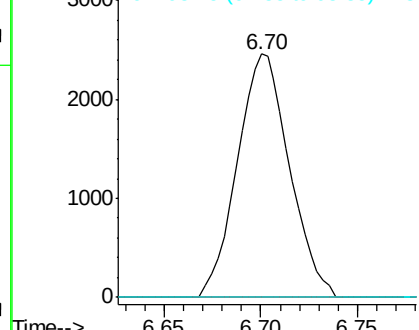
#35
Methylvlcyclohexane
Concen: 0.719 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU041094.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 4585
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 1.5 36.6 55.0#

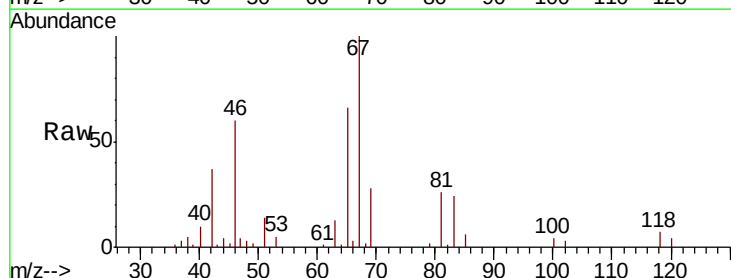


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

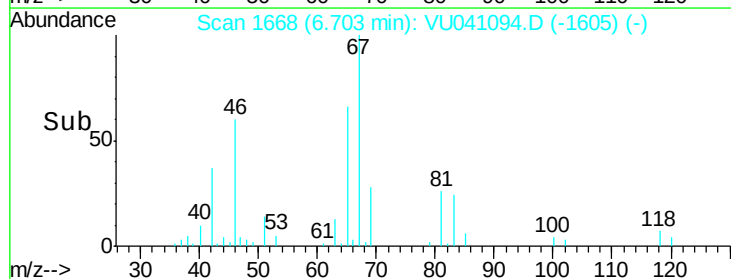
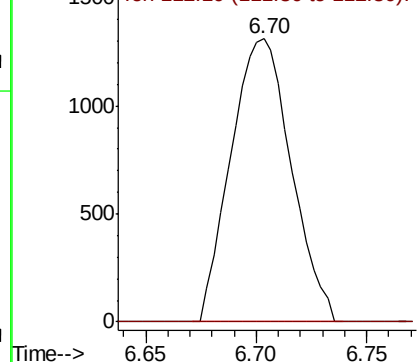


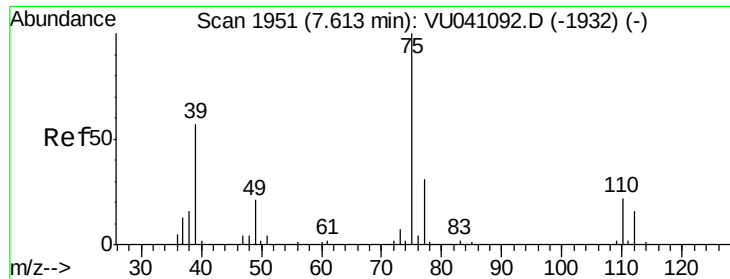
#37
1,2-Dichloropropane
Concen: 0.546 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041094.D
Acq: 04 Nov 2020 11:31

Tgt Ion: 63 Resp: 2483
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

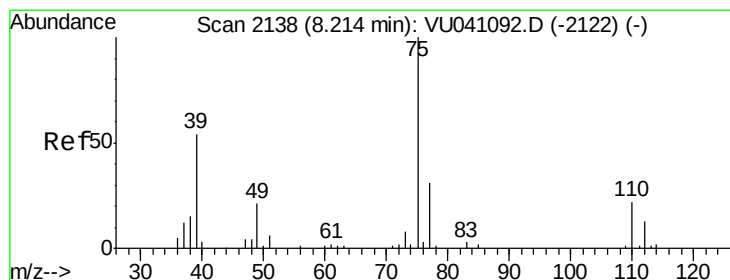
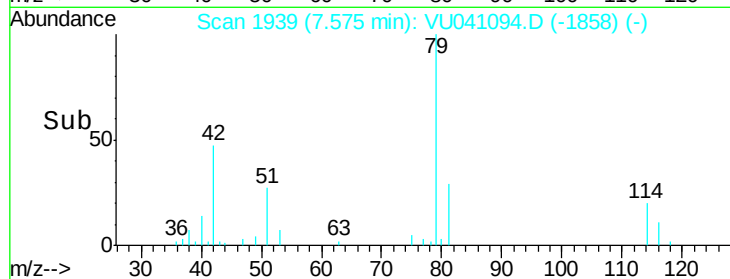
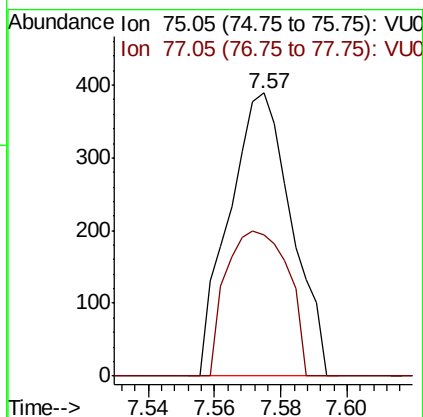
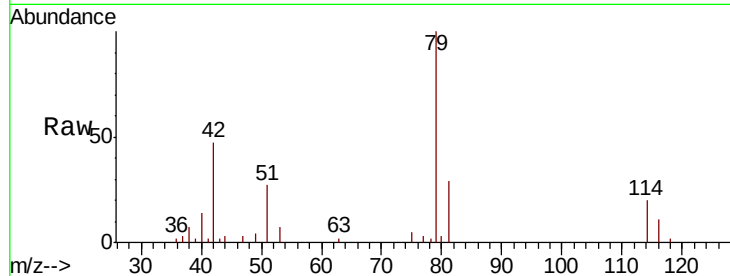




#39
 cis-1,3-Dichloropropene
 Concen: 0.081 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041094.D
 Acq: 04 Nov 2020 11:31

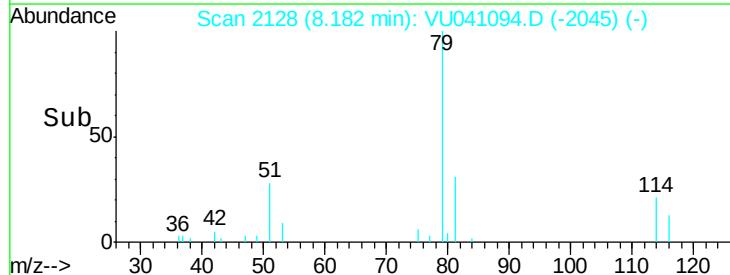
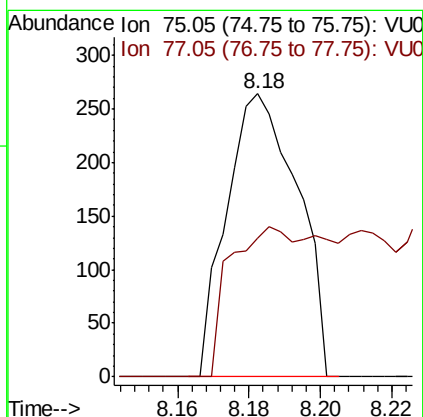
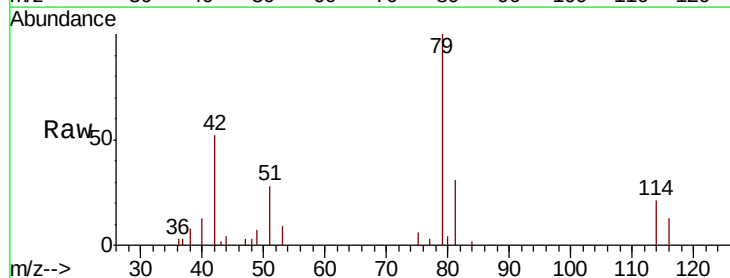
Instrument :
 MSVOA_U
 ClientSampled :

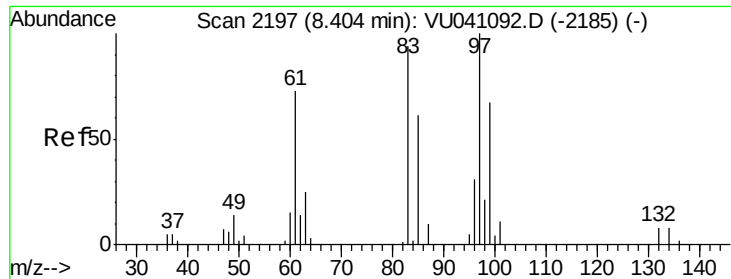
Tot Ion: 75 Resp: 509
 Ion Ratio Lower Upper
 75 100
 77 49.9 22.7 42.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.062 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU041094.D
 Acq: 04 Nov 2020 11:31

Tgt Ion: 75 Resp: 363
 Ion Ratio Lower Upper
 75 100
 77 49.2 23.3 43.3#

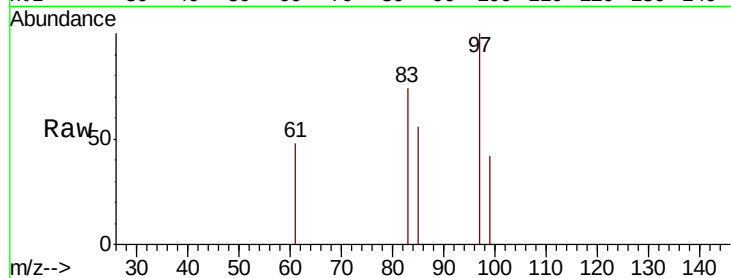




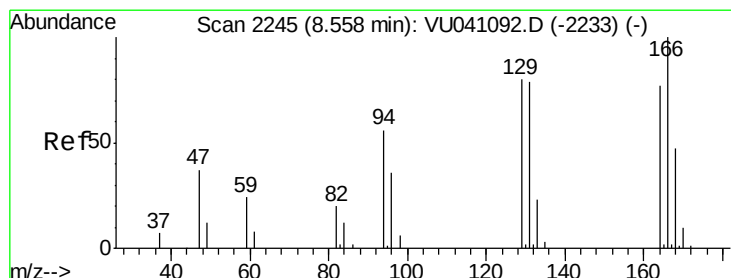
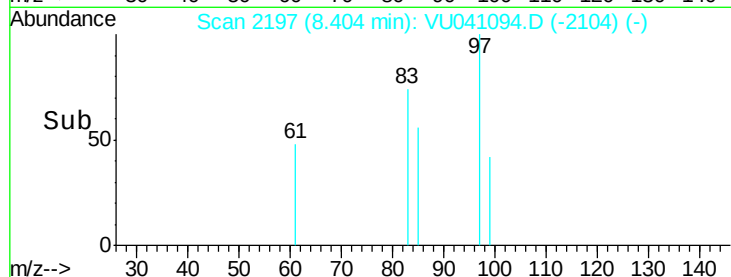
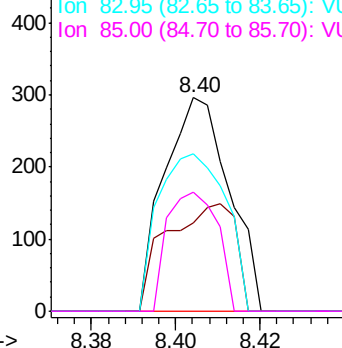
#45
1,1,2-Trichloroethane
Concen: 0.094 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041094.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 317
Ion Ratio Lower Upper
97 100
99 41.6 45.8 85.2#
83 74.0 67.9 126.1
85 55.7 42.8 79.6

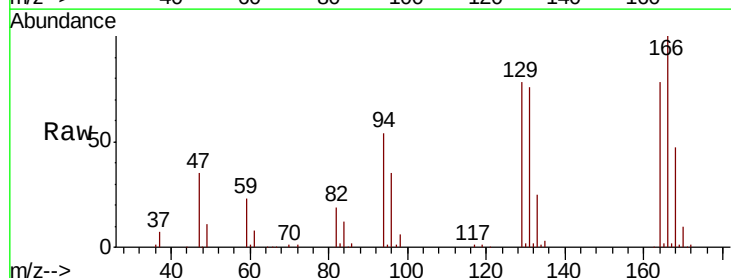


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

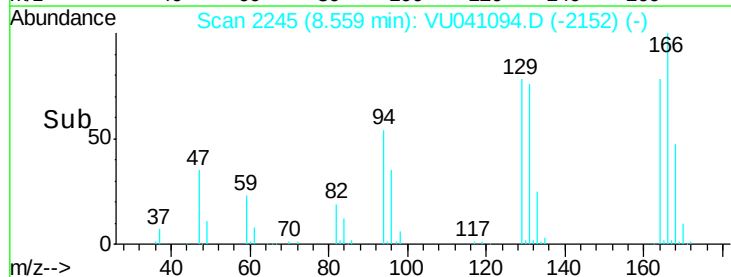
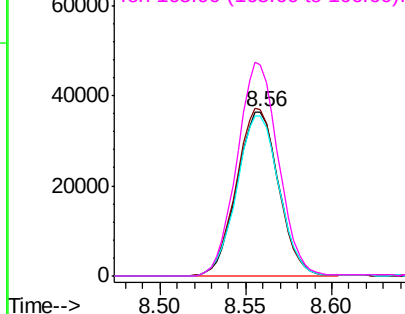


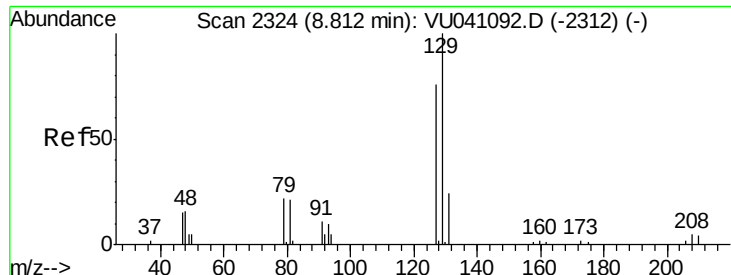
#47
Tetrachloroethene
Concen: 19.579 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041094.D
Acq: 04 Nov 2020 11:31

Tgt Ion: 164 Resp: 61569
Ion Ratio Lower Upper
164 100
129 100.9 70.3 130.7
131 97.5 70.8 131.4
166 128.6 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: 15.752 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041094.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_U

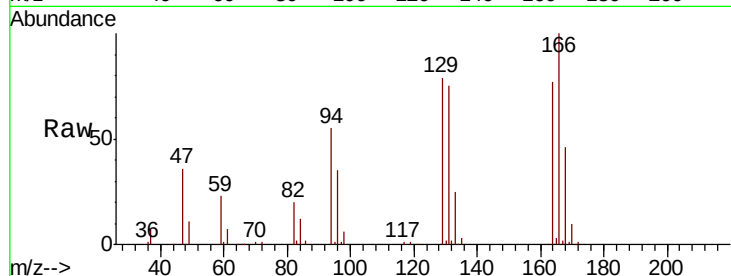
ClientSampleId :

Tot Ion:129 Resp: 61920

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

40000

30000

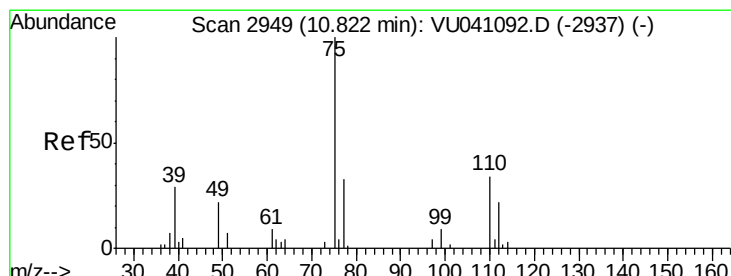
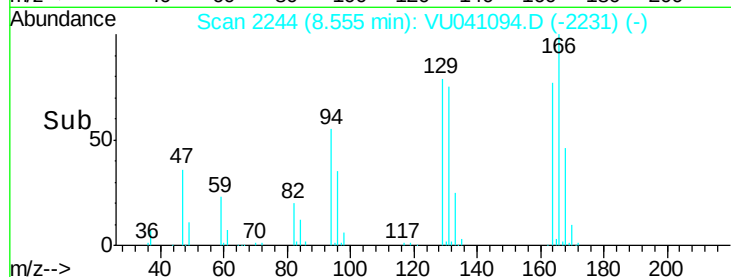
20000

10000

0

Time-->

8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 0.939 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU041094.D

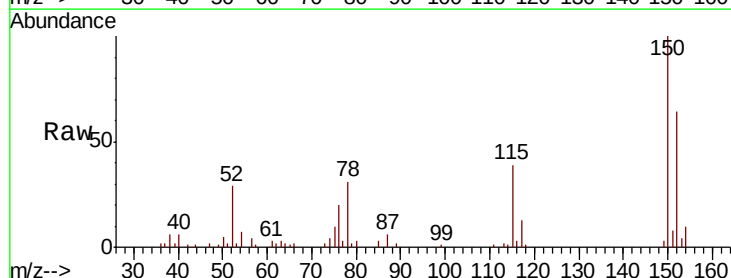
Acq: 04 Nov 2020 11:31

Tgt Ion: 75 Resp: 3183

Ion Ratio Lower Upper

75 100

77 40.3 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

2500

2000

1500

1000

500

0

Time-->

11.75 11.80 11.85

