

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101220\
 Data File : VU040667.D
 Acq On : 12 Oct 2020 18:29
 Operator : SY/MD
 Sample : L4345-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY7

Quant Time: Oct 13 04:43:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 13 04:32:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119754	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121726	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51398	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	40152	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.93	69	36523	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.58	63	64440	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.66	46	169181	53.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.56%
24) Chloroform-d	5.08	84	86405	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.72	65	54929	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.74	84	153139	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	52510	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.91	98	121577	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.19	79	20489	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.64	63	116233	48.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46641	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	48831	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1092	0.108	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	609	0.061	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	1019	0.119	ug/L #	1
13) Acetone	2.68	43	74852	30.411	ug/L	95
25) Chloroform	5.10	83	6562	0.347	ug/L	94
33) Benzene	5.79	78	1146	0.029	ug/L	100
34) Trichloroethene	6.55	95	21494	2.120	ug/L	96
35) Methylcyclohexane	6.70	83	12464	0.867	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5887	0.540	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1523	0.102	ug/L #	70
44) trans-1,3-Dichloropropene	8.19	75	996	0.073	ug/L #	52
47) Tetrachloroethene	8.56	164	16201	2.240	ug/L	92
48) 2-Hexanone	8.64	43	16790	2.596	ug/L #	66
49) Dibromochloromethane	8.56	129	16388	1.745	ug/L #	9
51) Chlorobenzene	9.45	112	2213	0.084	ug/L	90
59) 1,2,3-Trichloropropane	11.81	75	7223	0.902	ug/L	93

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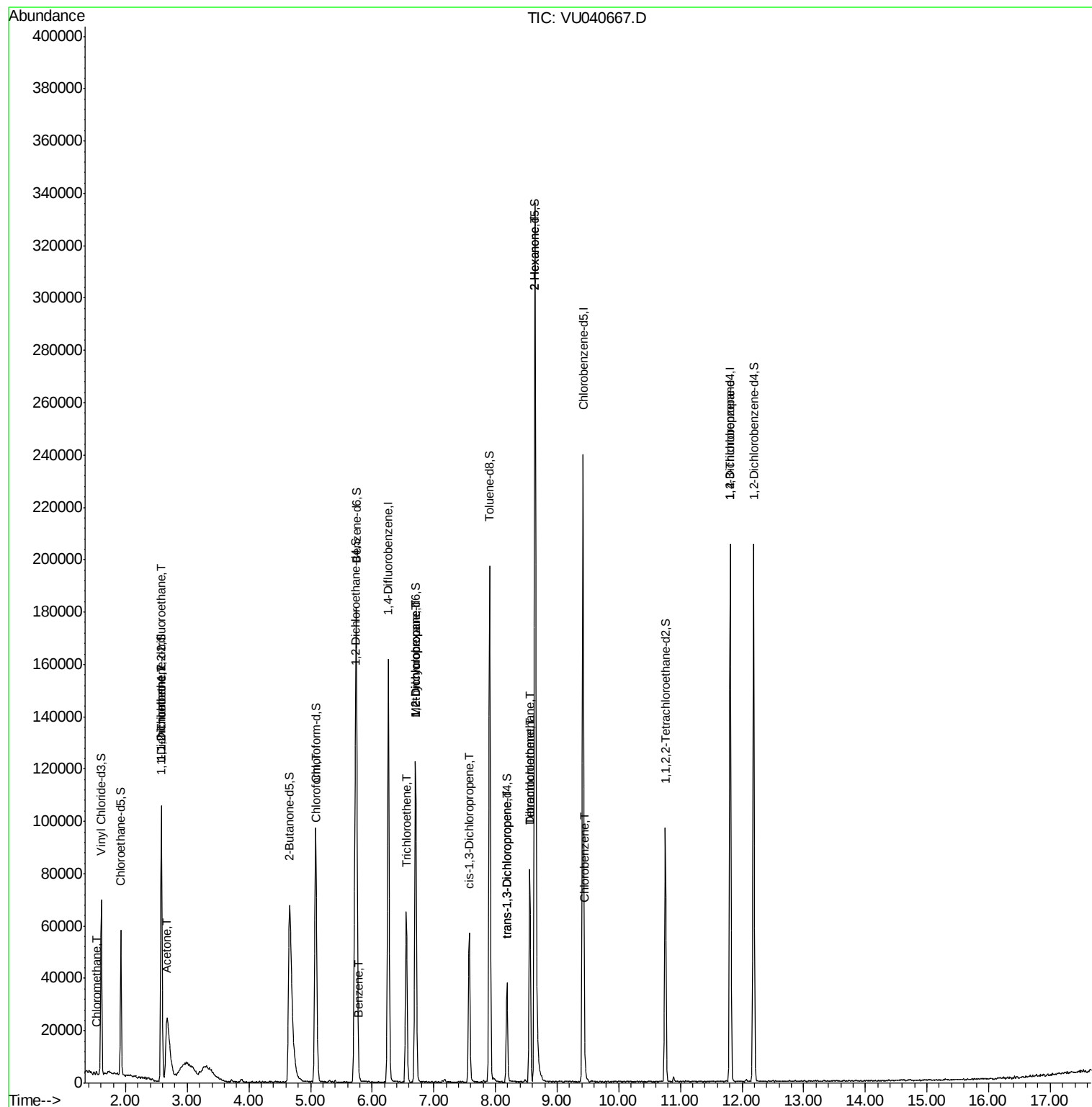
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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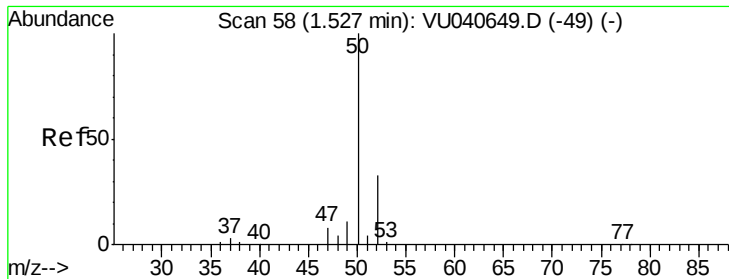
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101220\
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#3

Chloromethane

Concen: 0.108 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040667.D

Acq: 12 Oct 2020 18:29

Instrument :

MSVOA_U

ClientSampled :

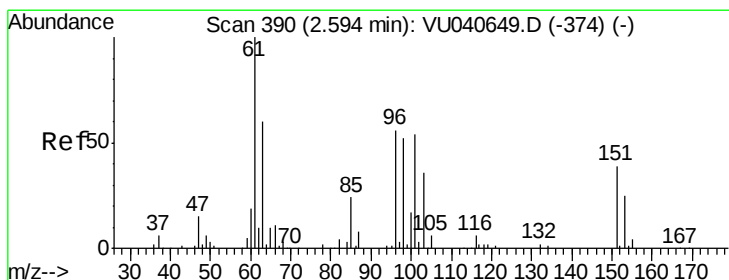
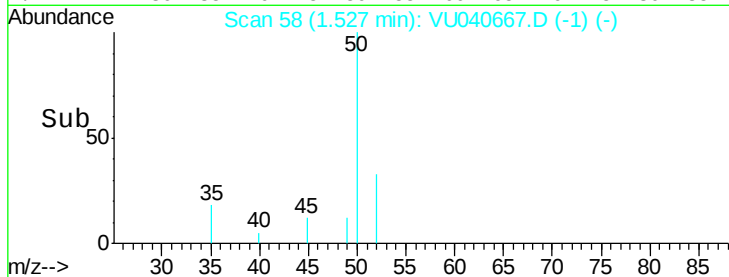
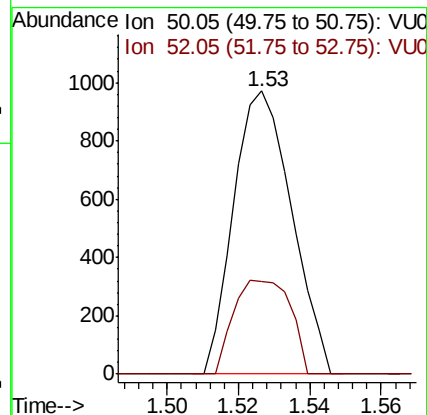
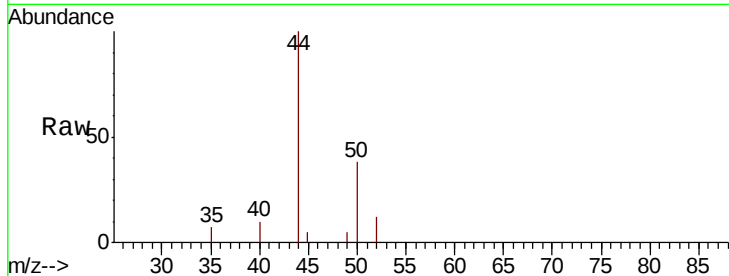
YAQY7

Tot Ion: 50 Resp: 1092

Ion Ratio Lower Upper

50 100

52 32.6 21.9 40.7



#10

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

Concen: 0.061 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU040667.D

Acq: 12 Oct 2020 18:29

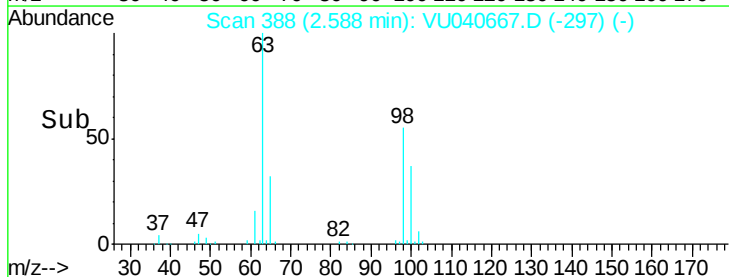
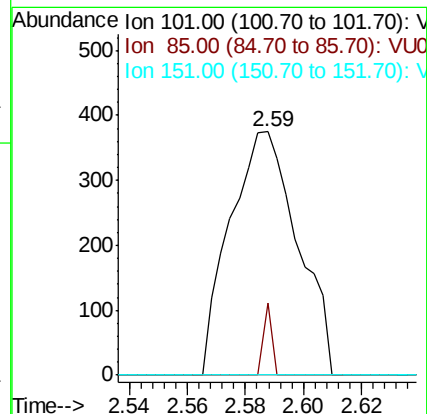
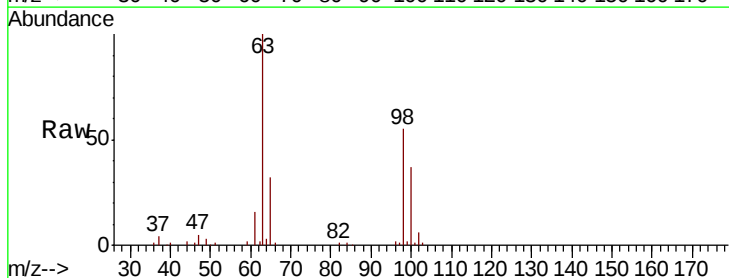
Tgt Ion: 101 Resp: 609

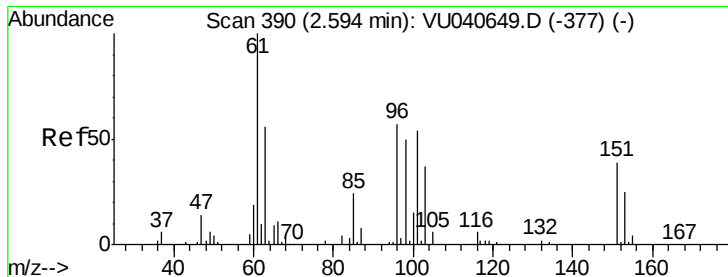
Ion Ratio Lower Upper

101 100

85 3.6 36.7 55.1#

151 0.0 58.0 87.0#





#12

1,1-Dichloroethene

Concen: 0.119 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040667.D

Acq: 12 Oct 2020 18:29

Instrument :

MSVOA_U

ClientSampleId :

YAQY7

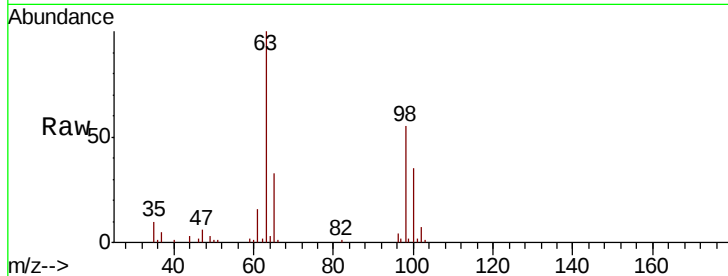
Tot Ion: 96 Resp: 1019

Ion Ratio Lower Upper

96 100

61 438.7 128.8 239.2#

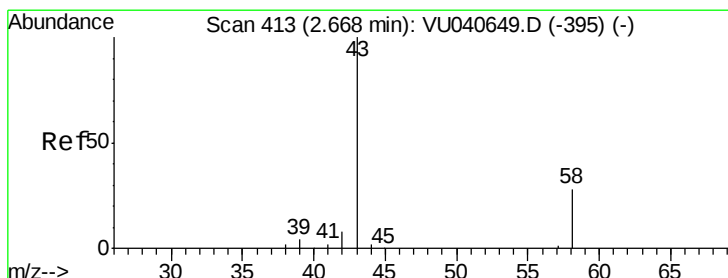
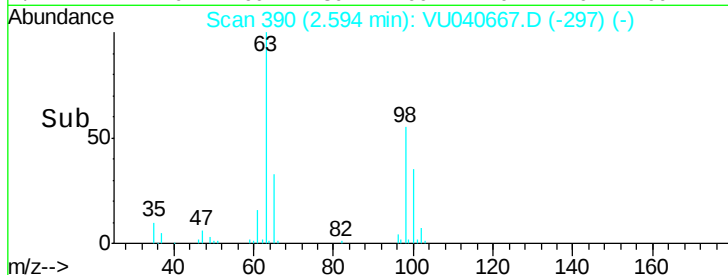
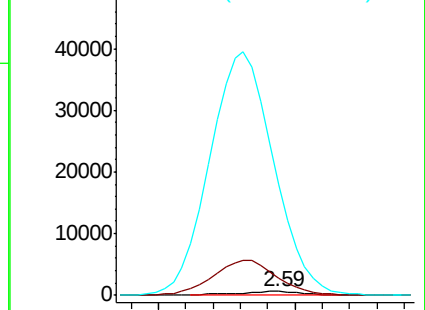
63 2735.2 84.6 157.2#



Abundance Ion 96.00 (95.70 to 96.70): VU040667.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU040667.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU040667.D (-297) (-)



#13

Acetone

Concen: 30.411 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU040667.D

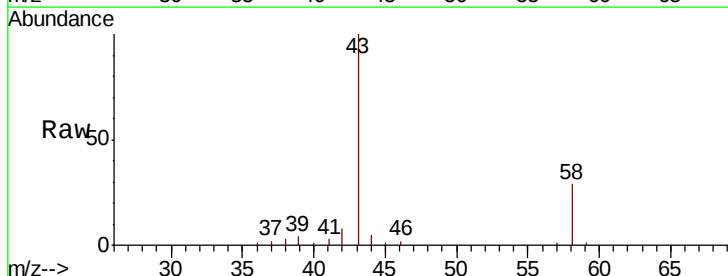
Acq: 12 Oct 2020 18:29

Tgt Ion: 43 Resp: 74852

Ion Ratio Lower Upper

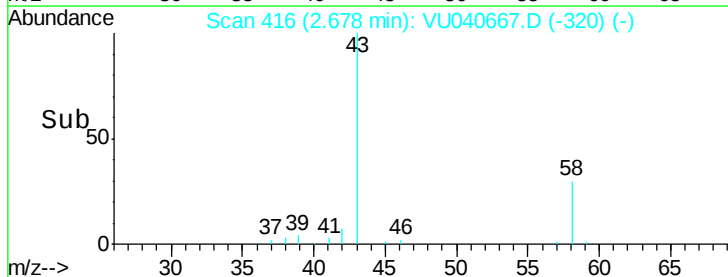
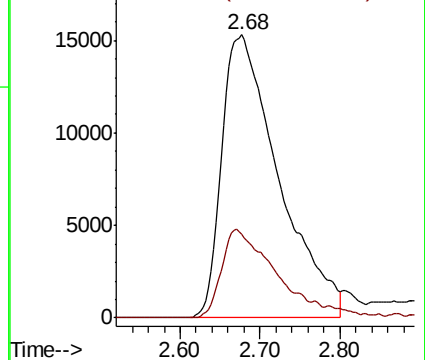
43 100

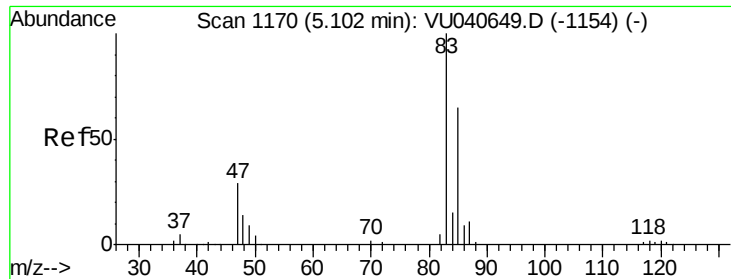
58 27.7 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040667.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU040667.D (-320) (-)

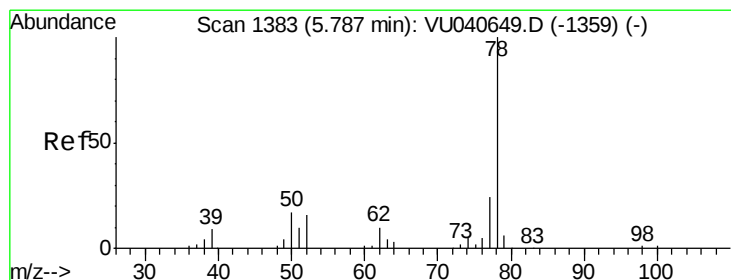
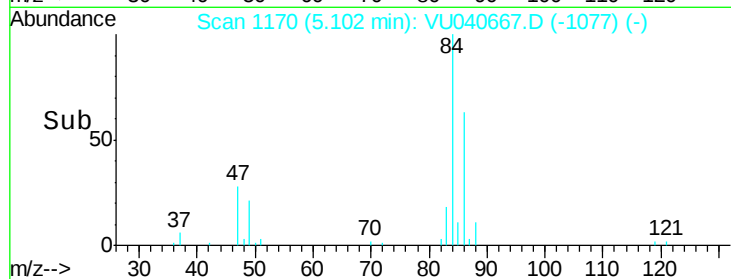
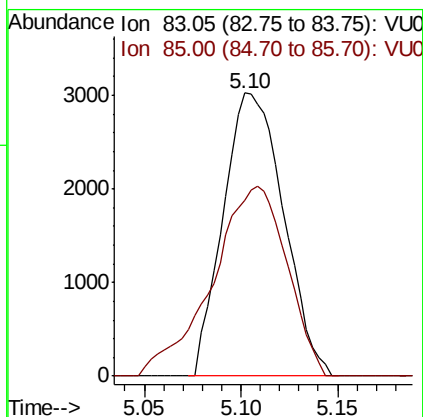
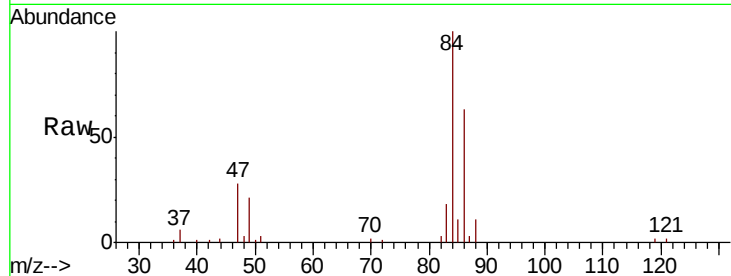




#25
Chloroform
Concen: 0.347 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040667.D
Acq: 12 Oct 2020 18:29

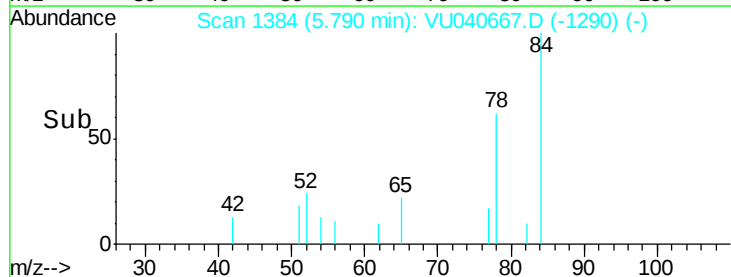
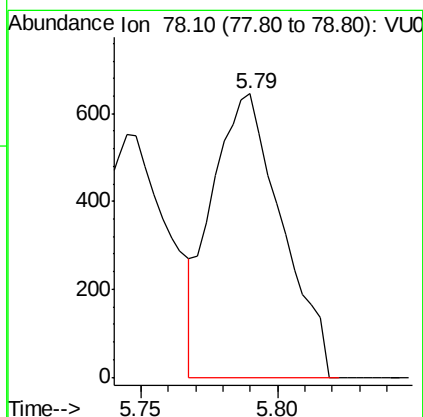
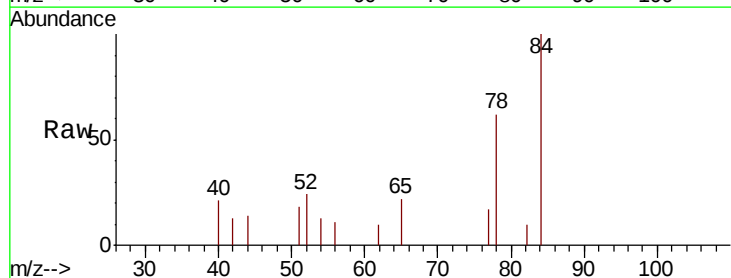
Instrument :
MSVOA_U
ClientSampleId :
YAQY7

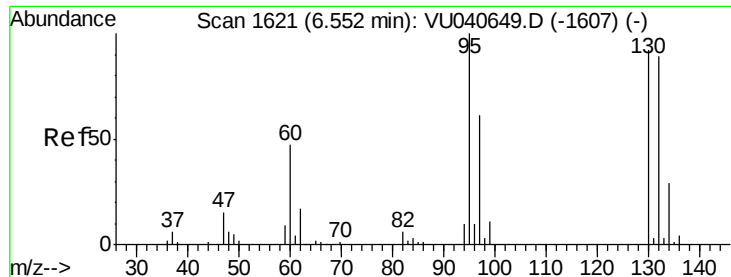
Tot Ion: 83 Resp: 6562
Ion Ratio Lower Upper
83 100
85 62.0 46.5 86.5



#33
Benzene
Concen: 0.029 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040667.D
Acq: 12 Oct 2020 18:29

Tgt Ion: 78 Resp: 1146

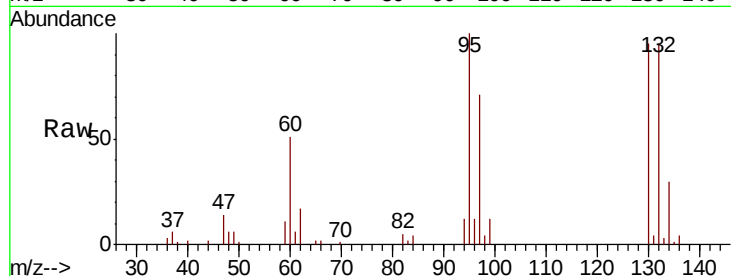




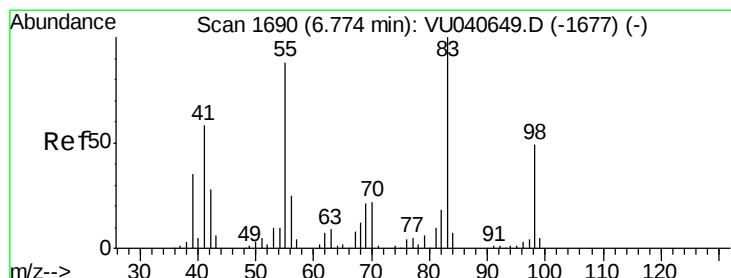
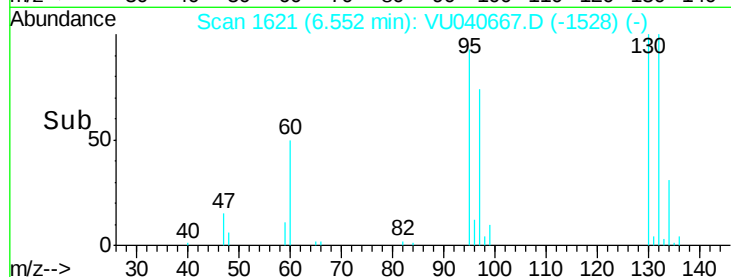
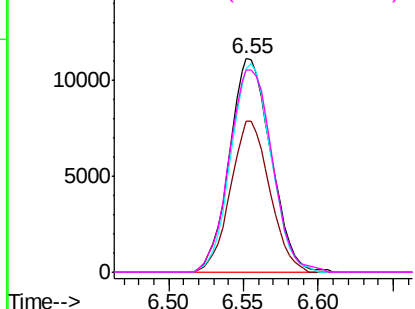
#34
 Trichloroethene
 Concen: 2.120 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040667.D
 Acq: 12 Oct 2020 18:29

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY7

Tot Ion: 95 Resp: 21494
 Ion Ratio Lower Upper
 95 100
 97 70.5 45.5 84.5
 132 95.3 67.5 125.4
 130 95.0 69.9 129.9

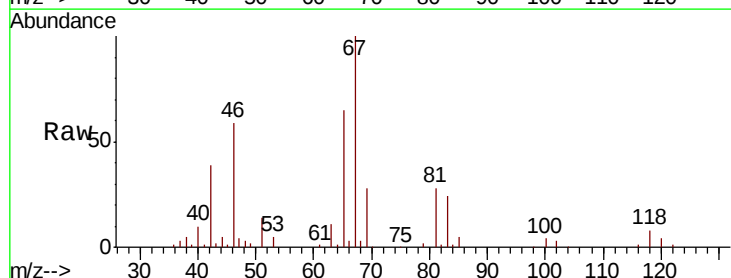


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

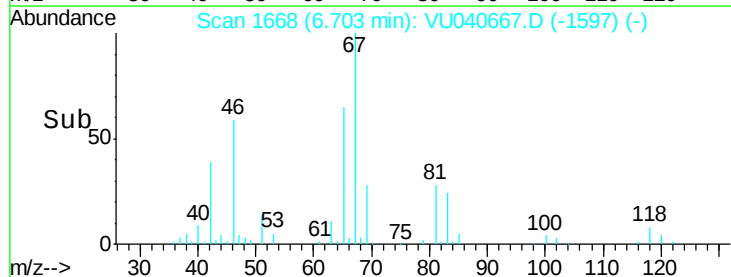
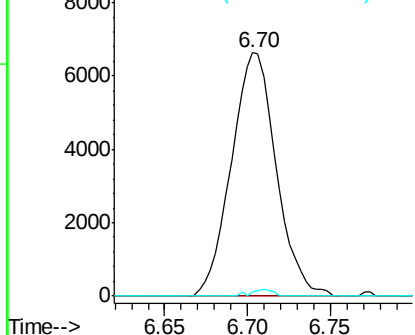


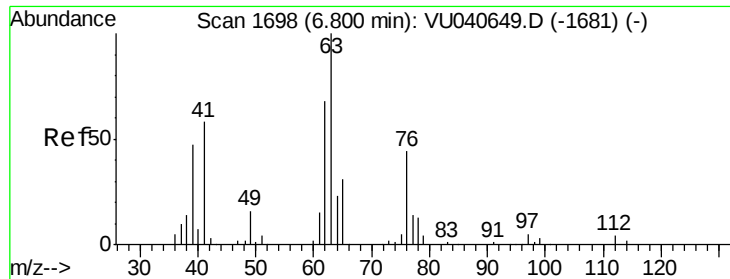
#35
 Methylcyclohexane
 Concen: 0.867 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040667.D
 Acq: 12 Oct 2020 18:29

Tgt Ion: 83 Resp: 12464
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.7 106.1#
 98 1.2 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

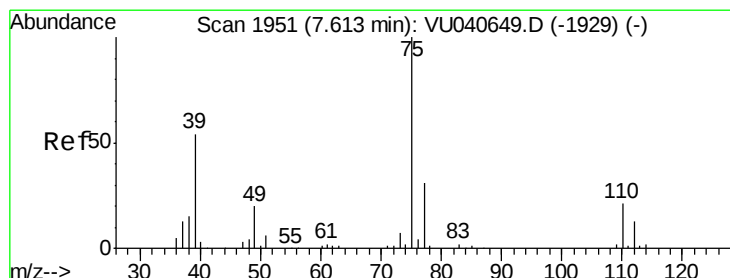
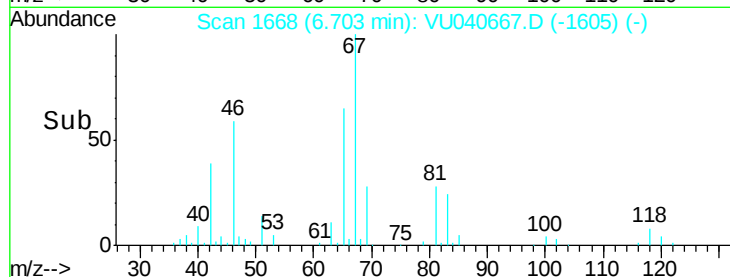
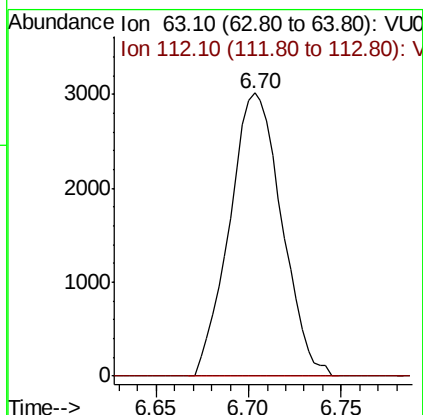
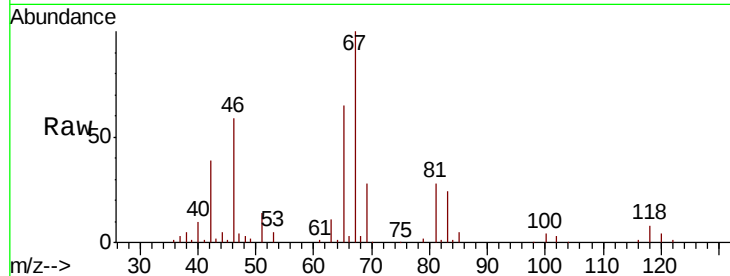




#37
 1,2-Dichloropropane
 Concen: 0.540 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040667.D
 Acq: 12 Oct 2020 18:29

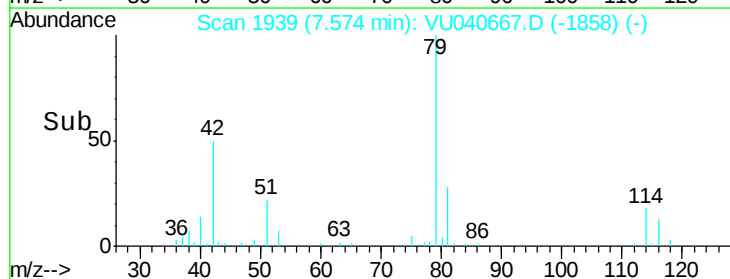
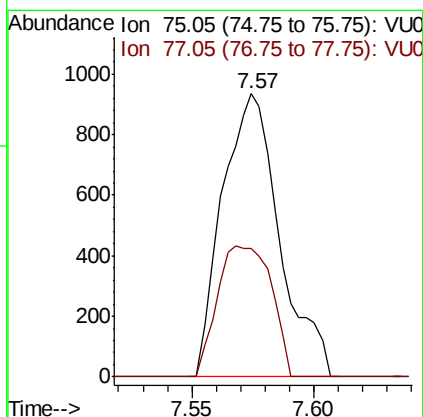
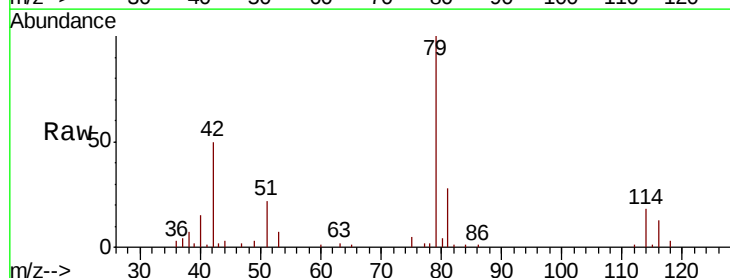
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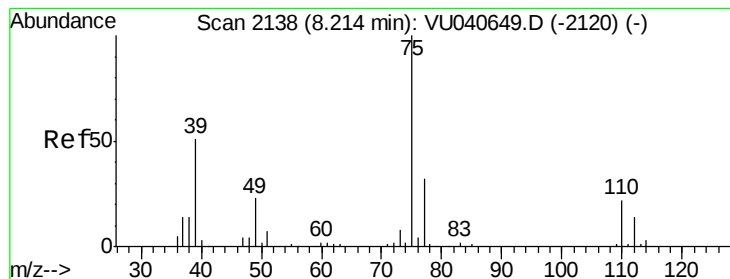
Tot Ion: 63 Resp: 5887
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040667.D
 Acq: 12 Oct 2020 18:29

Tgt Ion: 75 Resp: 1523
 Ion Ratio Lower Upper
 75 100
 77 45.2 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040667.D

Acq: 12 Oct 2020 18:29

Instrument :

MSVOA_U

ClientSampleId :

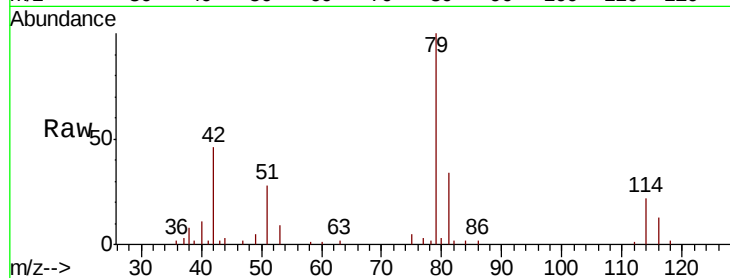
YQY7

Tot Ion: 75 Resp: 996

Ion Ratio Lower Upper

75 100

77 54.7 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU040649.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040649.D (-2120) (-)

8.19

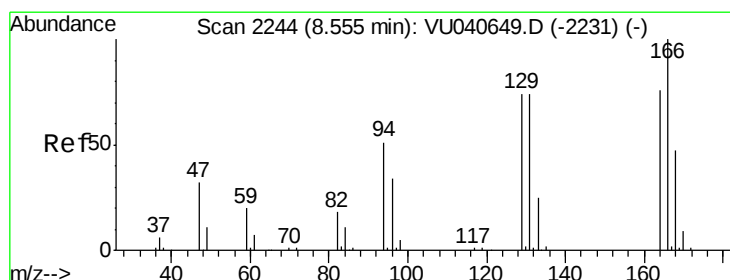
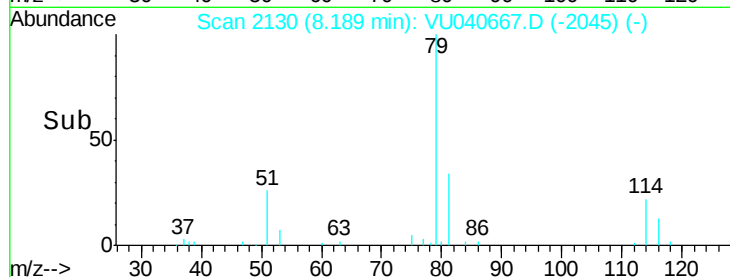
600

400

200

0

Time-->



#47

Tetrachloroethene

Concen: 2.240 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040667.D

Acq: 12 Oct 2020 18:29

Tgt Ion:164 Resp: 16201

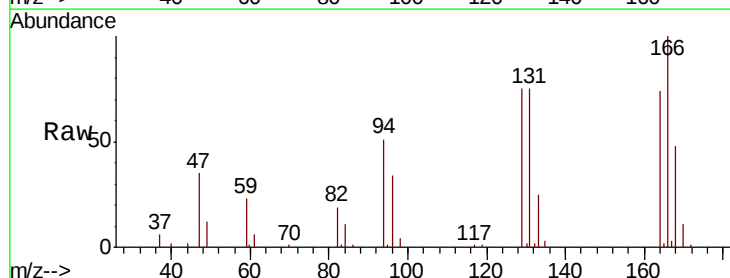
Ion Ratio Lower Upper

164 100

129 100.9 68.8 127.8

131 100.8 66.7 123.9

166 134.7 83.9 155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040649.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU040649.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU040649.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU040649.D (-2231) (-)

20000

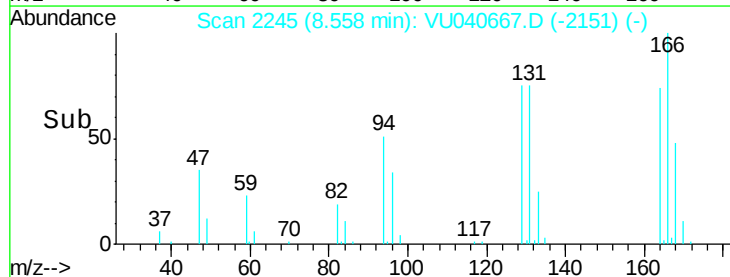
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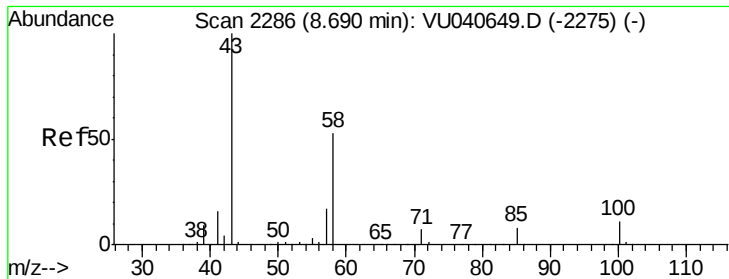
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5000

0

Time-->

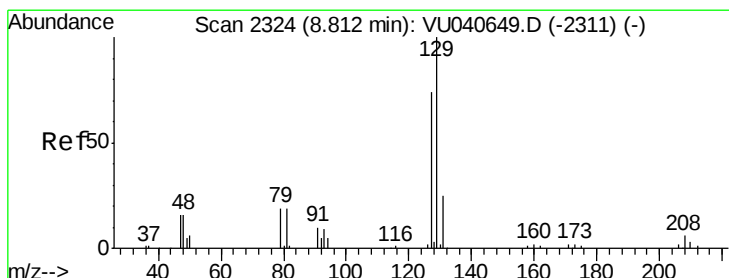
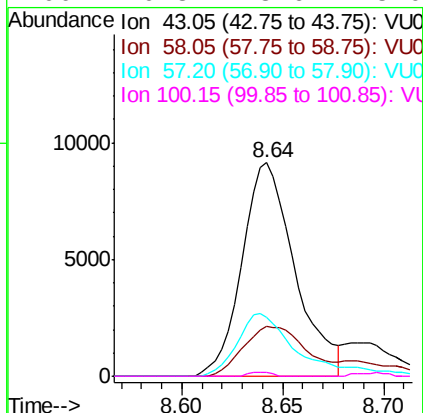
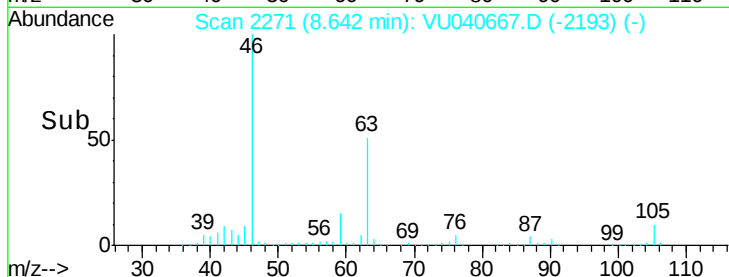
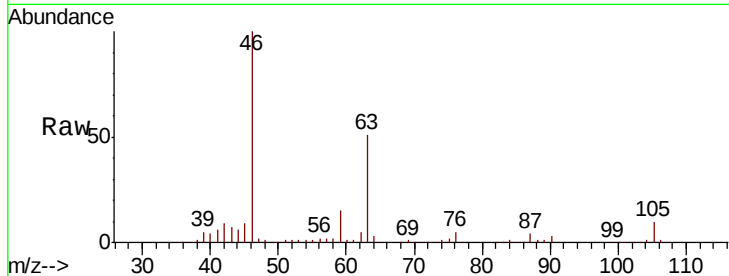




#48
2-Hexanone
Concen: 2.596 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040667.D
Acq: 12 Oct 2020 18:29

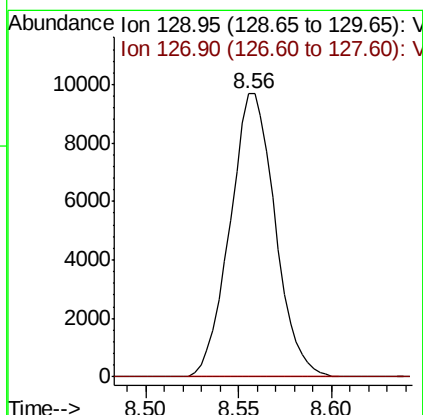
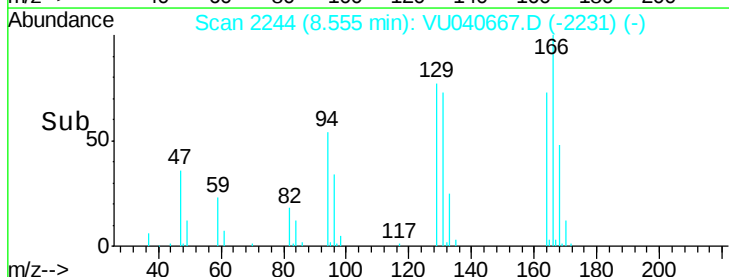
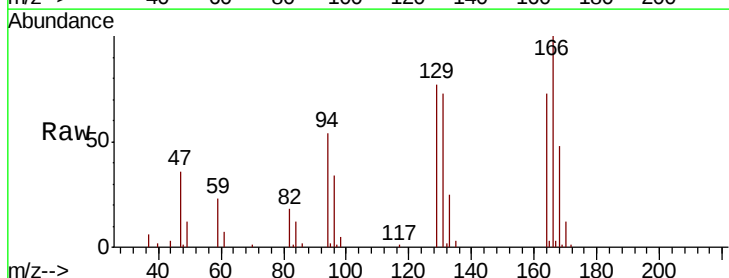
Instrument :
MSVOA_U
ClientSampleId :
YAQY7

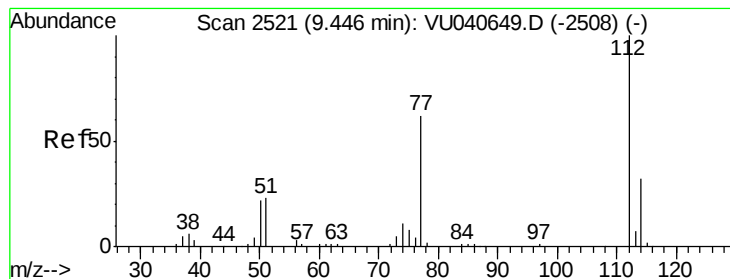
Tot Ion: 43 Resp: 16790
Ion Ratio Lower Upper
43 100
58 27.1 41.0 61.6#
57 33.8 14.4 21.6#
100 0.8 8.6 13.0#



#49
Dibromochloromethane
Concen: 1.745 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU040667.D
Acq: 12 Oct 2020 18:29

Tgt Ion: 129 Resp: 16388
Ion Ratio Lower Upper
129 100
127 0.0 55.8 103.6#





#51

Chlorobenzene

Concen: 0.084 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040667.D

Acq: 12 Oct 2020 18:29

Instrument :

MSVOA_U

ClientSampleId :

YAY7

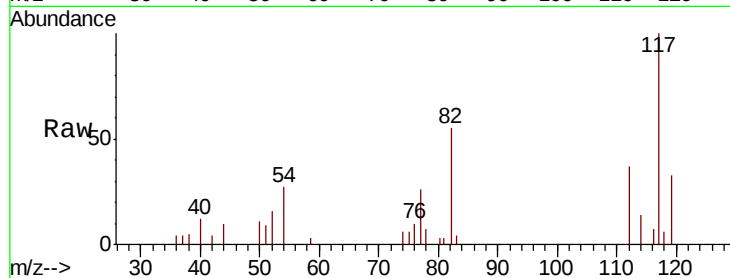
Tot Ion:112 Resp: 2213

Ion Ratio Lower Upper

112 100

114 38.6 23.1 42.9

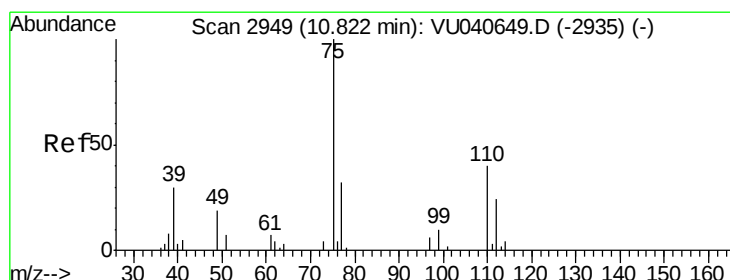
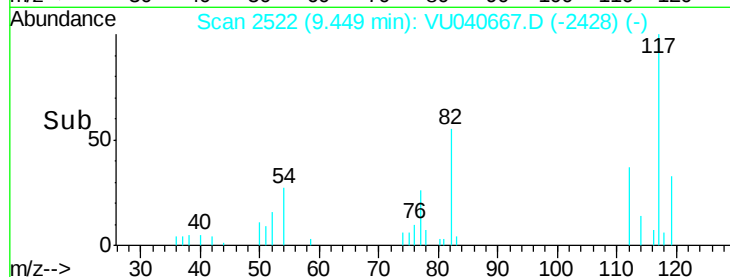
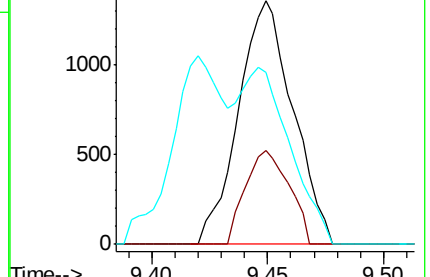
77 70.4 50.3 75.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#59

1,2,3-Trichloropropane

Concen: 0.902 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040667.D

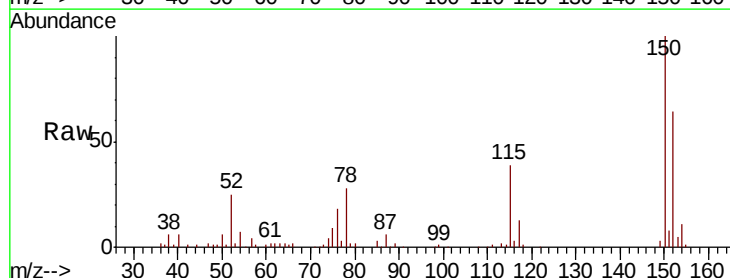
Acq: 12 Oct 2020 18:29

Tgt Ion: 75 Resp: 7223

Ion Ratio Lower Upper

75 100

77 36.7 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

