

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040590.D
 Acq On : 09 Oct 2020 17:38
 Operator : SY/MD
 Sample : L4346-03MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ3MS

Quant Time: Oct 10 04:22:43 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	136576	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	136220	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60518	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	49711	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.92	69	40590	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.58	63	98958	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	4.66	46	189837	52.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.84%
24) Chloroform-d	5.08	84	96609	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	60731	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.74	84	182496	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.70	67	62460	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.91	98	148438	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.19	79	26009	5.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.60%
46) 2-Hexanone-d5	8.64	63	141149	53.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53835	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	60161	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	602	0.052 ug/L	84
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	832	0.073 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	43256	4.439 ug/L	93
13) Acetone	2.66	43	27331	9.736 ug/L	92
25) Chloroform	5.11	83	6107	0.284 ug/L	88
27) 1,2-Dichloroethane	5.79	62	2271	0.149 ug/L #	77
33) Benzene	5.79	78	206512	4.719 ug/L	100
34) Trichloroethene	6.55	95	52135	4.596 ug/L	95
35) Methylcyclohexane	6.70	83	14817	0.921 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	7367	0.604 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1657	0.099 ug/L #	61
42) Toluene	7.98	91	208380	4.673 ug/L	99
44) trans-1,3-Dichloropropene	8.19	75	1081	0.070 ug/L #	57
48) 2-Hexanone	8.64	43	19445	2.687 ug/L #	70
51) Chlorobenzene	9.45	112	138429	4.713 ug/L	99
59) 1,2,3-Trichloropropane	11.81	75	8019	0.895 ug/L #	87

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QLast Update : Sat Oct 10 04:13:39 2020
Response via : Initial Calibration

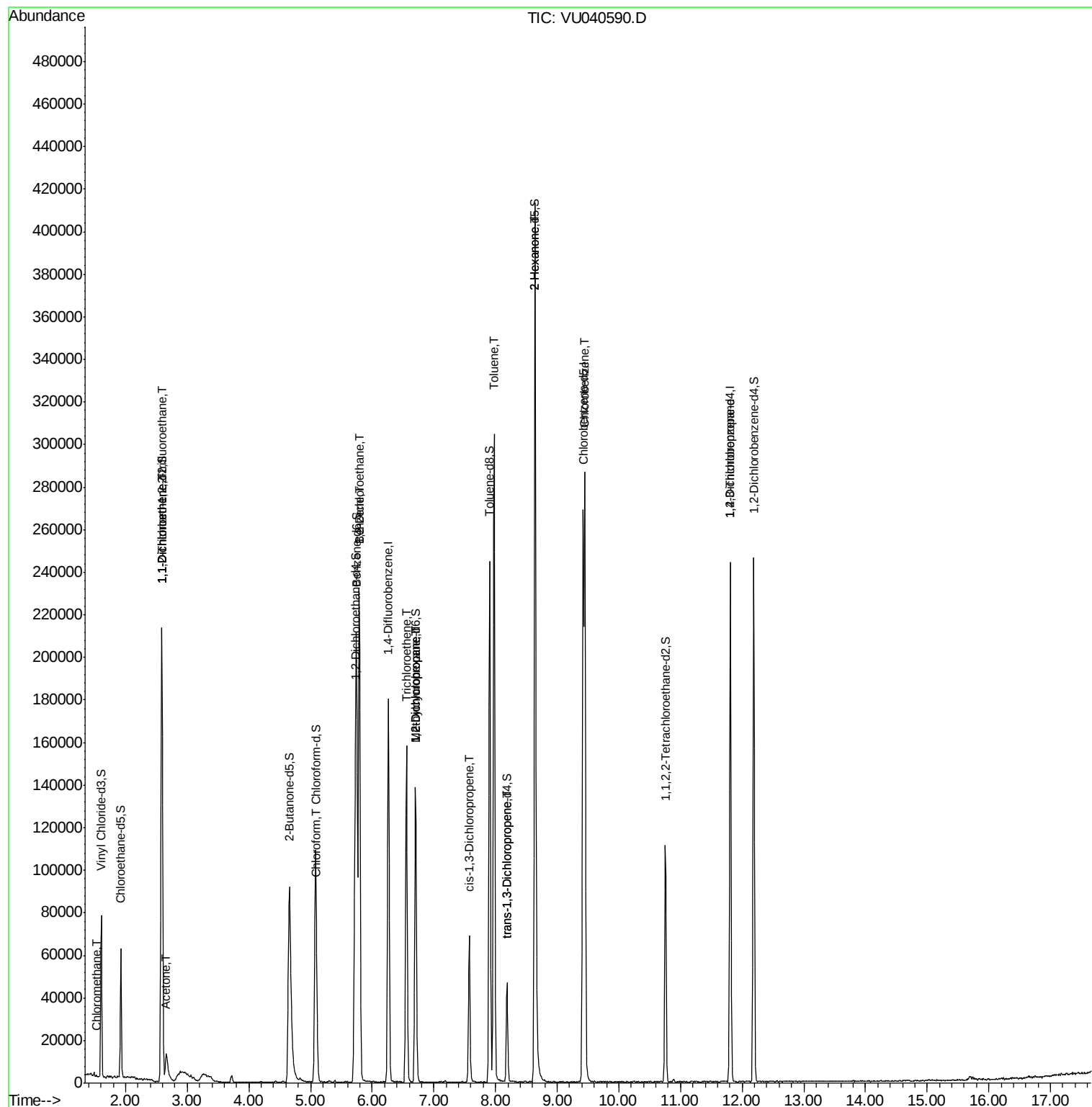
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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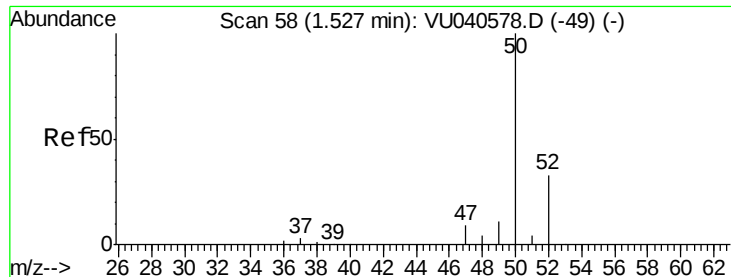
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.052 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU040590.D

Acq: 09 Oct 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

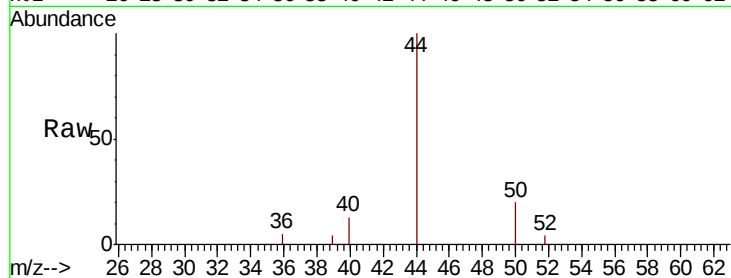
YAQZ3MS

Tot Ion: 50 Resp: 602

Ion Ratio Lower Upper

50 100

52 22.2 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040590.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040590.D (-1) (-)

1.53

500

400

300

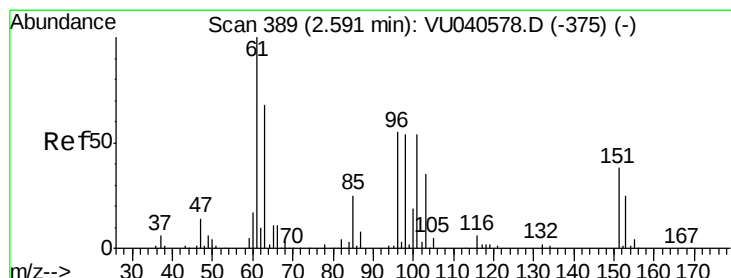
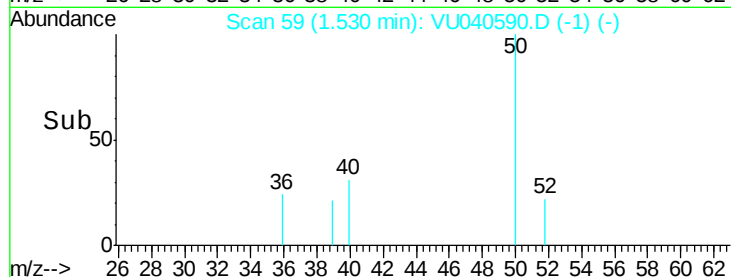
200

100

0

1.50 1.52 1.54 1.56

Time-->



#10

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

Concen: 0.073 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040590.D

Acq: 09 Oct 2020 17:38

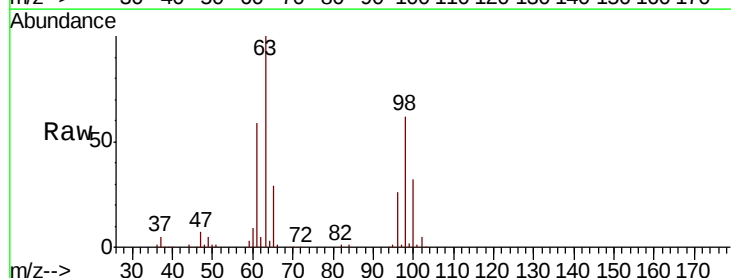
Tgt Ion: 101 Resp: 832

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): VU040590.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VU040590.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VU040590.D (-296) (-)

2.58

600

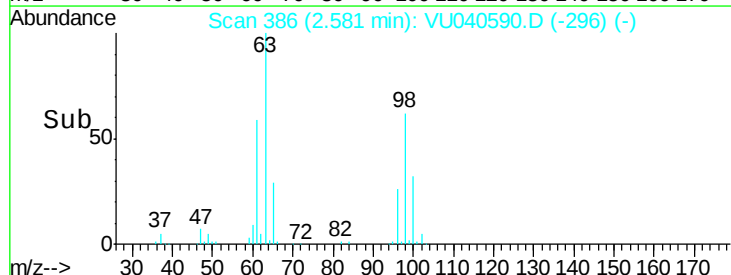
400

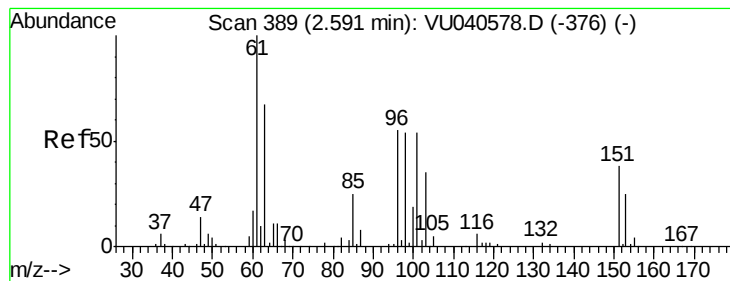
200

0

2.55 2.60

Time-->





#12

1,1-Dichloroethene

Concen: 4.439 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040590.D

Acq: 09 Oct 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

YAZ3MS

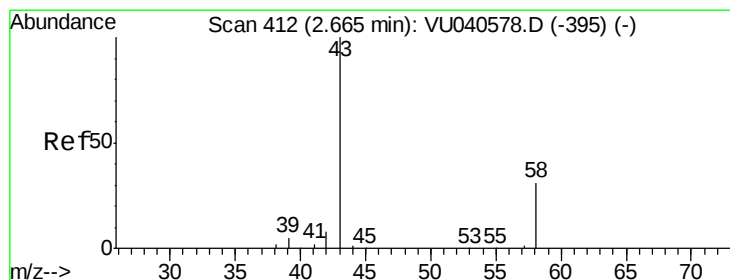
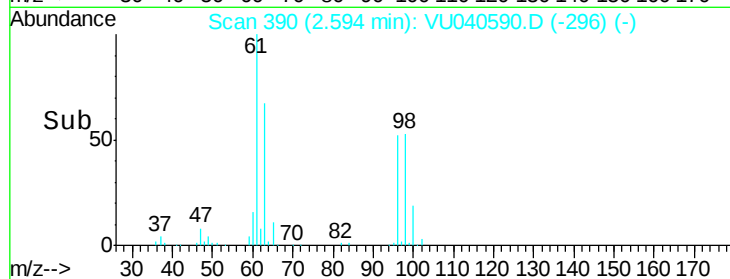
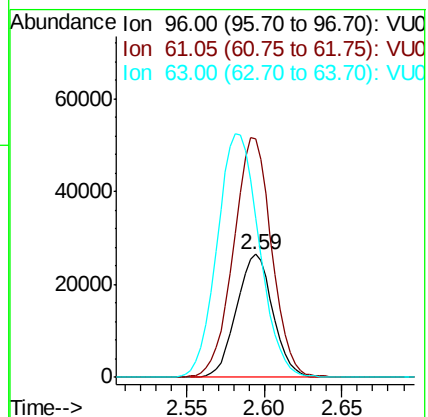
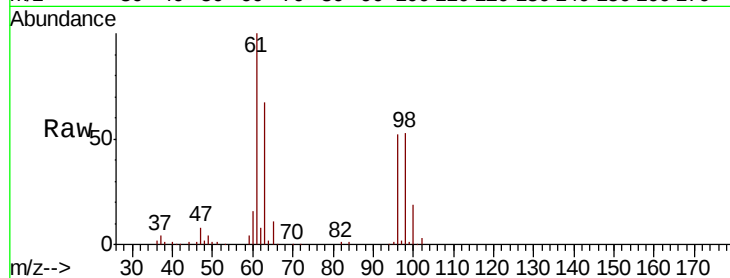
Tot Ion: 96 Resp: 43256

Ion Ratio Lower Upper

96 100

61 194.1 128.8 239.2

63 129.4 84.6 157.2



#13

Acetone

Concen: 9.736 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU040590.D

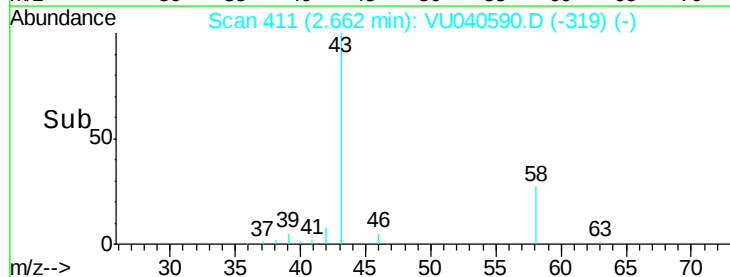
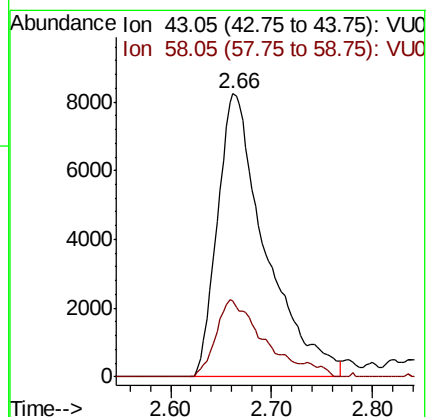
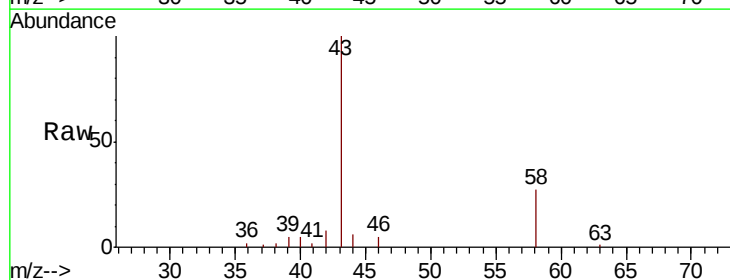
Acq: 09 Oct 2020 17:38

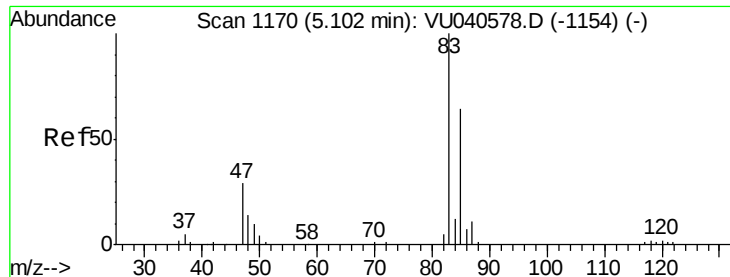
Tgt Ion: 43 Resp: 27331

Ion Ratio Lower Upper

43 100

58 25.9 0.0 60.6

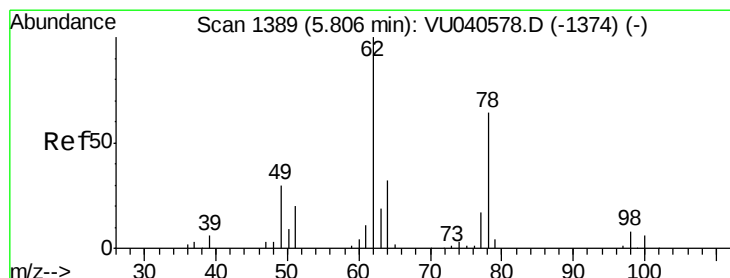
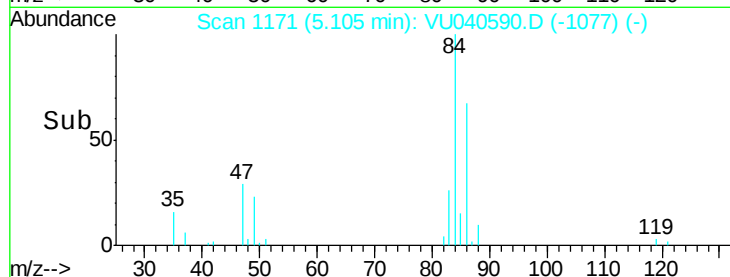
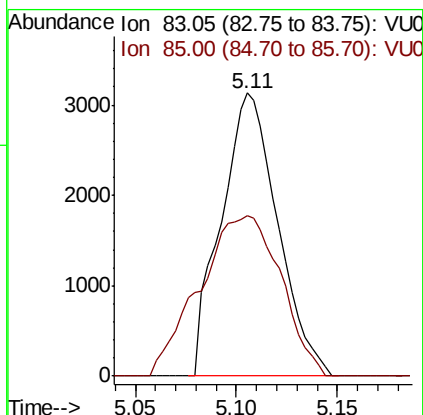
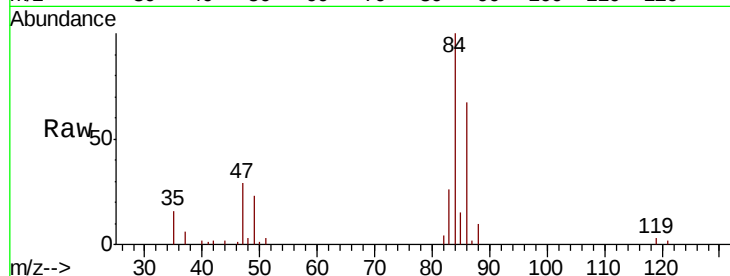




#25
Chloroform
Concen: 0.284 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040590.D
Acq: 09 Oct 2020 17:38

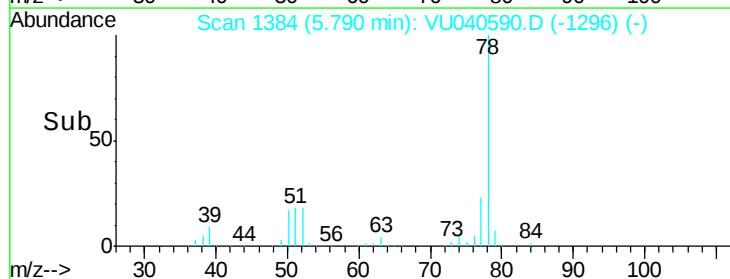
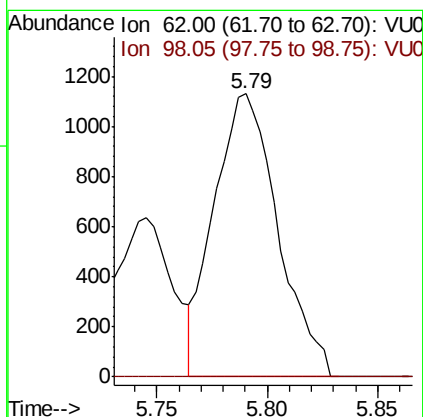
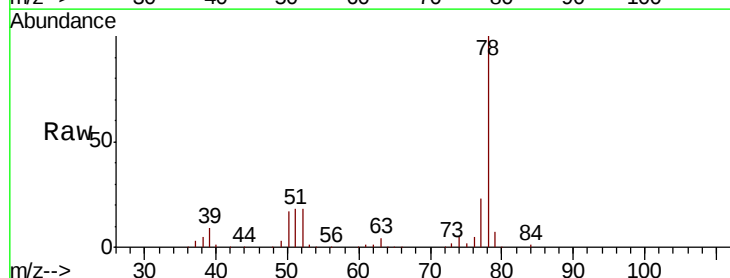
Instrument :
MSVOA_U
ClientSampleId :
YAQZ3MS

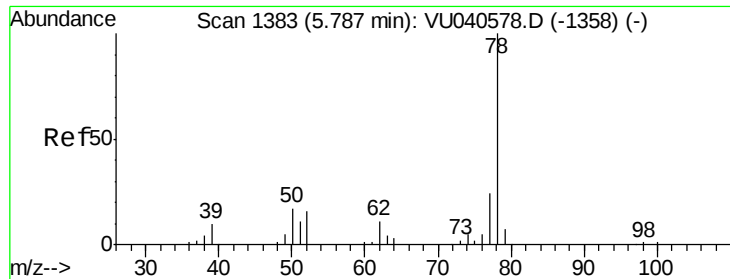
Tot Ion: 83 Resp: 6107
Ion Ratio Lower Upper
83 100
85 56.6 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.149 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.02 min
Lab File: VU040590.D
Acq: 09 Oct 2020 17:38

Tgt Ion: 62 Resp: 2271
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#33

Benzene

Concen: 4.719 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040590.D

Acq: 09 Oct 2020 17:38

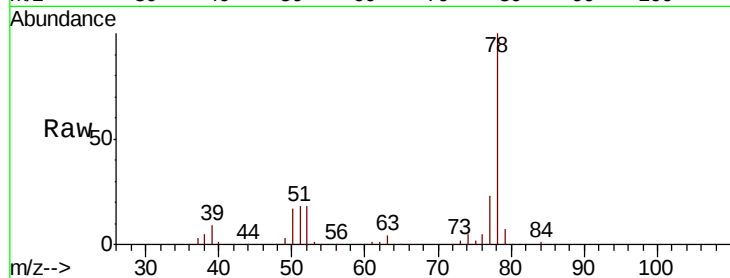
Instrument :

MSVOA_U

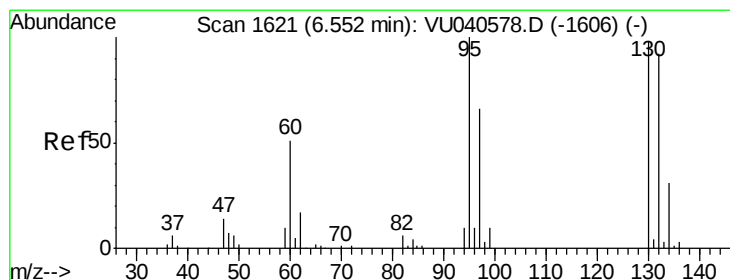
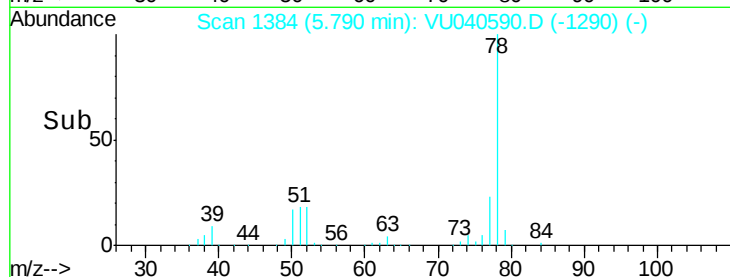
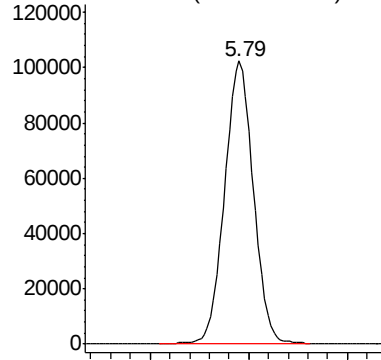
ClientSampleId :

YAQZ3MS

Tgt Ion: 78 Resp: 206512



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 4.596 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040590.D

Acq: 09 Oct 2020 17:38

Tgt Ion: 95 Resp: 52135

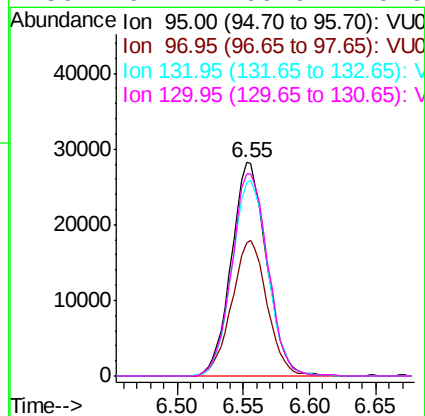
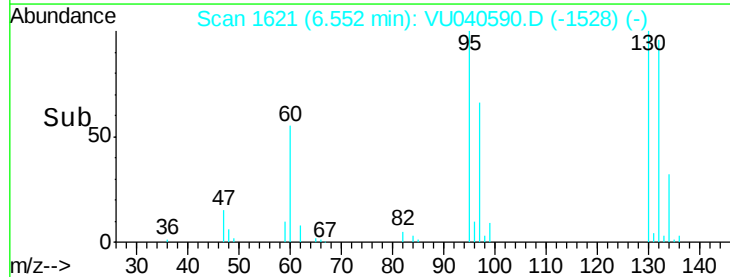
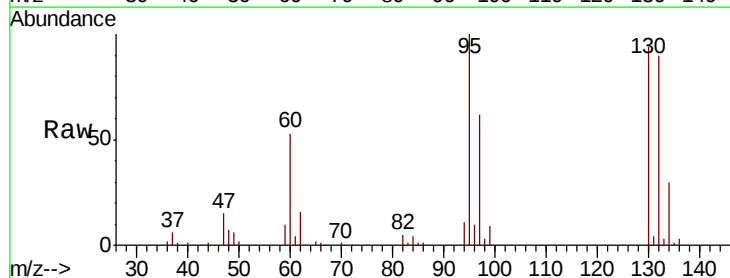
Ion	Ratio	Lower	Upper
95	100		
97	62.4	45.5	84.5
132	90.2	67.5	125.4
130	94.4	69.9	129.9

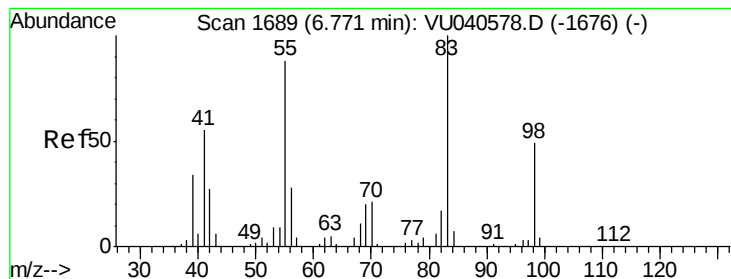
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0





#35

Methvlcvclohexane

Concen: 0.921 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040590.D

Acq: 09 Oct 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

YQZ3MS

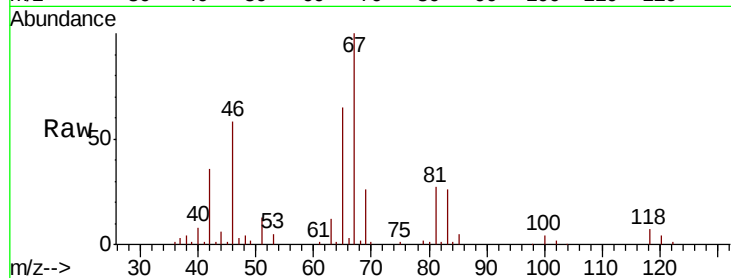
Tot Ion: 83 Resp: 14817

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

98 0.3 38.4 57.6#

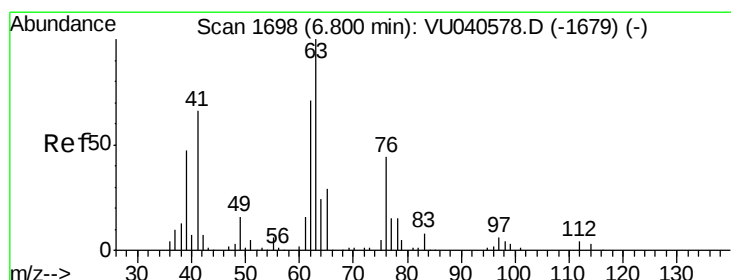
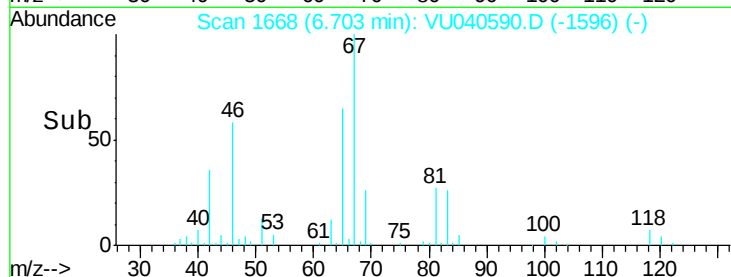


Abundance Ion 83.15 (82.85 to 83.85): VU040590.D (-1668) (-)

Ion 55.10 (54.80 to 55.80): VU040590.D (-1668) (-)

Ion 98.15 (97.85 to 98.85): VU040590.D (-1668) (-)

Time-->



#37

1,2-Dichloropropane

Concen: 0.604 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.10 min

Lab File: VU040590.D

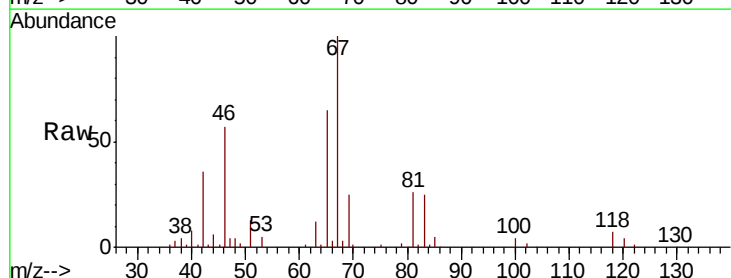
Acq: 09 Oct 2020 17:38

Tgt Ion: 63 Resp: 7367

Ion Ratio Lower Upper

63 100

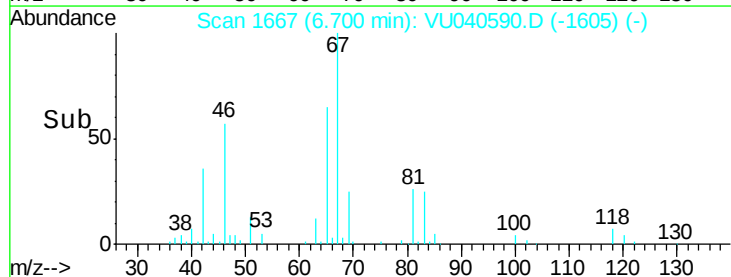
112 0.0 3.5 5.3#

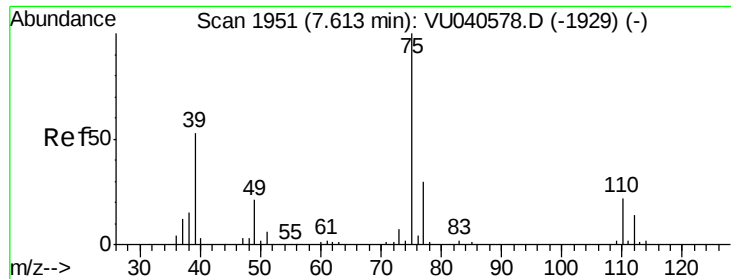


Abundance Ion 63.10 (62.80 to 63.80): VU040590.D (-1667) (-)

Ion 112.10 (111.80 to 112.80): VU040590.D (-1667) (-)

Time-->

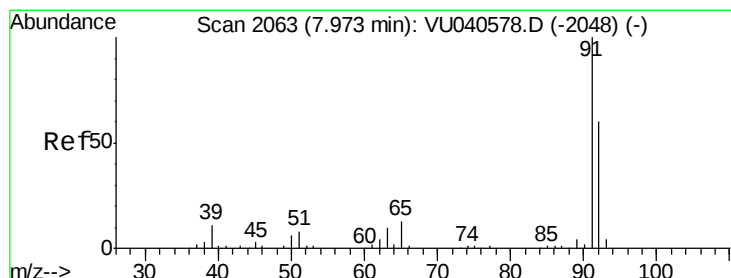
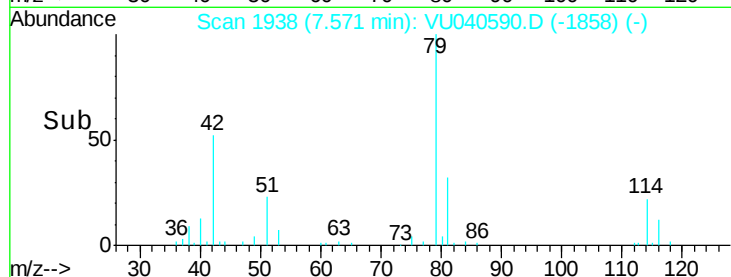
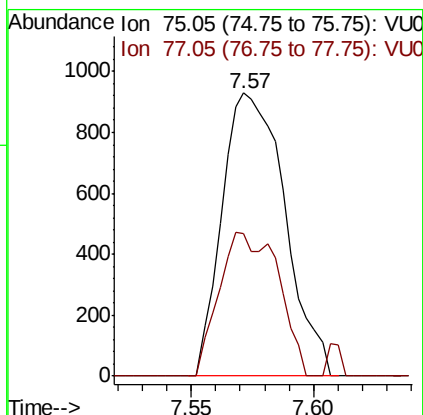
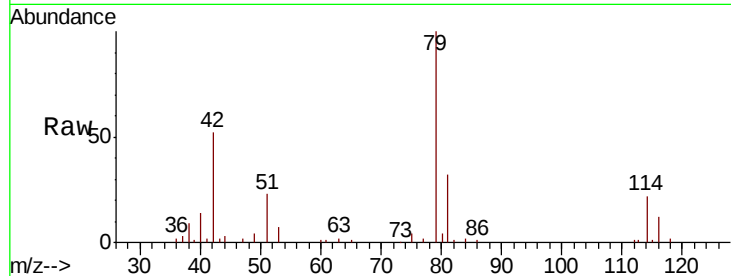




#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU040590.D
 Acq: 09 Oct 2020 17:38

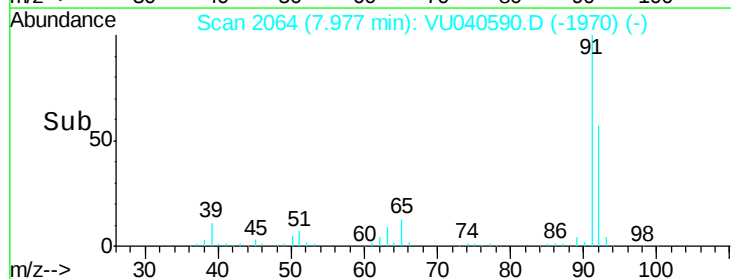
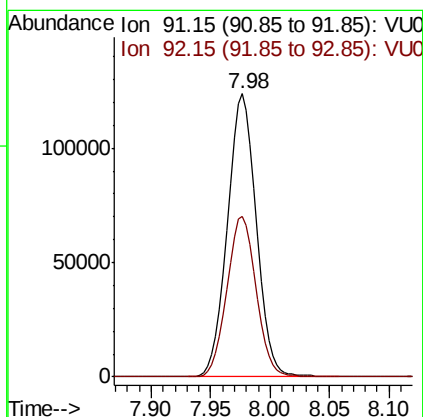
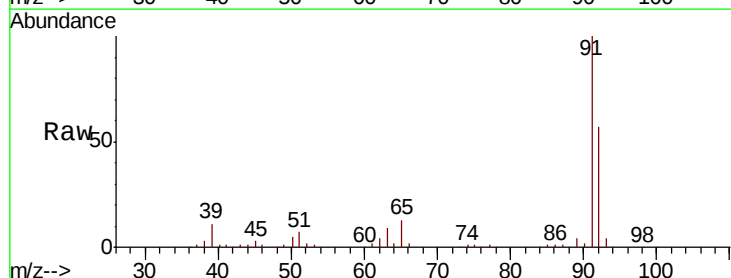
Instrument :
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 YAQZ3MS

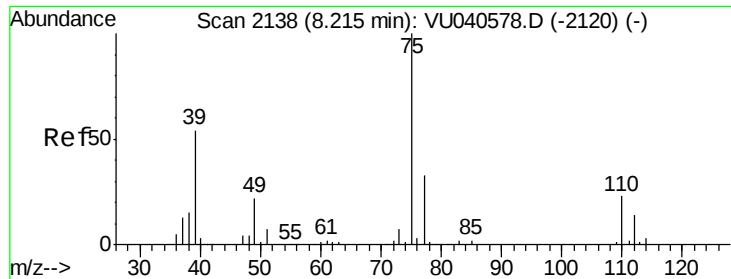
Tot Ion: 75 Resp: 1657
 Ion Ratio Lower Upper
 75 100
 77 50.4 20.5 38.1#



#42
 Toluene
 Concen: 4.673 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU040590.D
 Acq: 09 Oct 2020 17:38

Tgt Ion: 91 Resp: 208380
 Ion Ratio Lower Upper
 91 100
 92 56.9 40.2 74.6





#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040590.D

Acq: 09 Oct 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

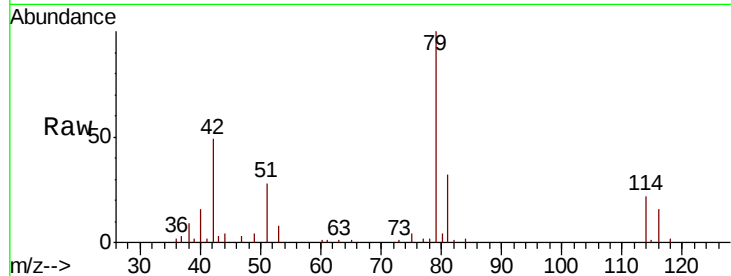
YAQZ3MS

Tot Ion: 75 Resp: 1081

Ion Ratio Lower Upper

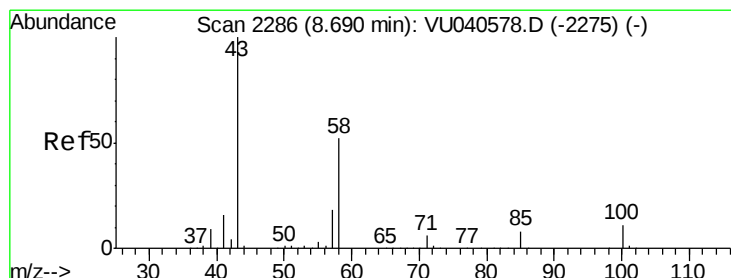
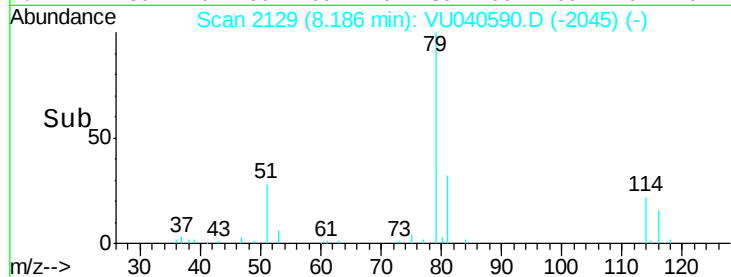
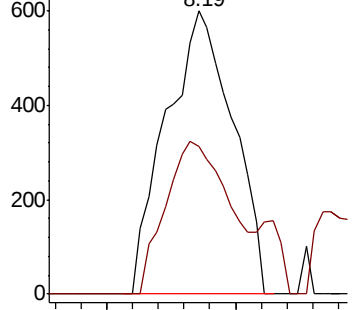
75 100

77 52.0 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU040578.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040578.D (-2120) (-)



#48

2-Hexanone

Concen: 2.687 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040590.D

Acq: 09 Oct 2020 17:38

Tgt Ion: 43 Resp: 19445

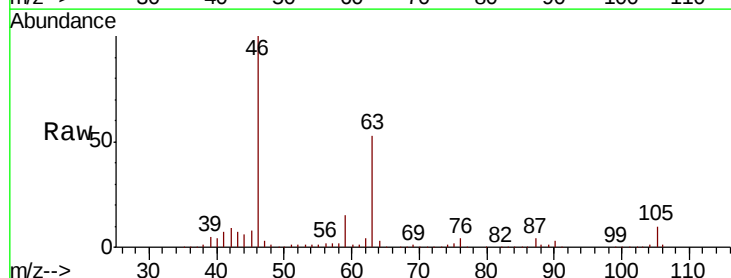
Ion Ratio Lower Upper

43 100

58 27.6 41.0 61.6#

57 26.4 14.4 21.6#

100 0.9 8.6 13.0#

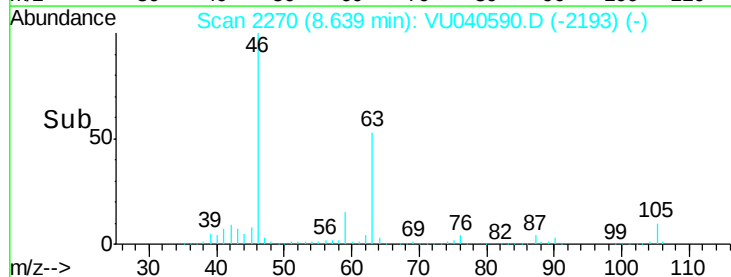
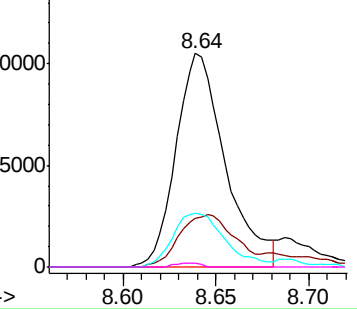


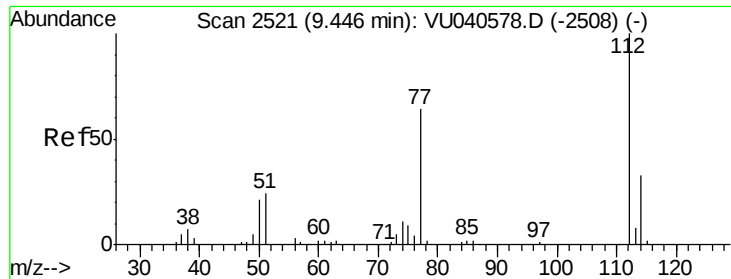
Abundance Ion 43.05 (42.75 to 43.75): VU040578.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU040578.D (-2275) (-)

Ion 57.20 (56.90 to 57.90): VU040578.D (-2275) (-)

Ion 100.15 (99.85 to 100.85): VU040578.D (-2275) (-)

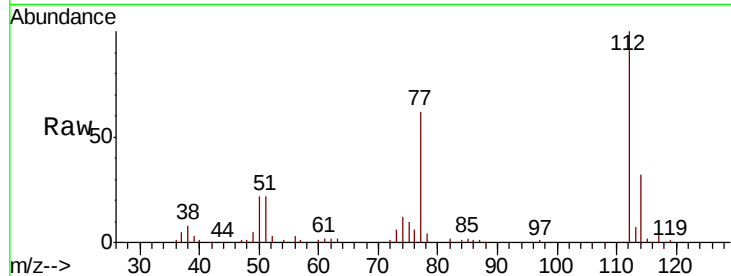




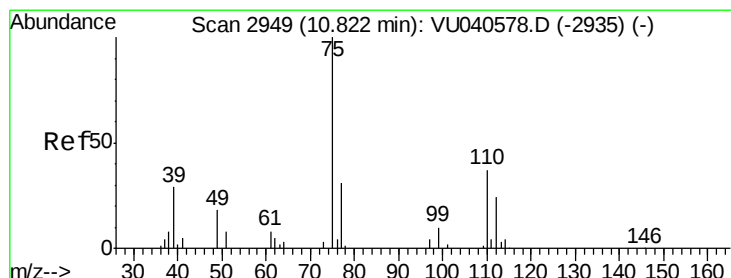
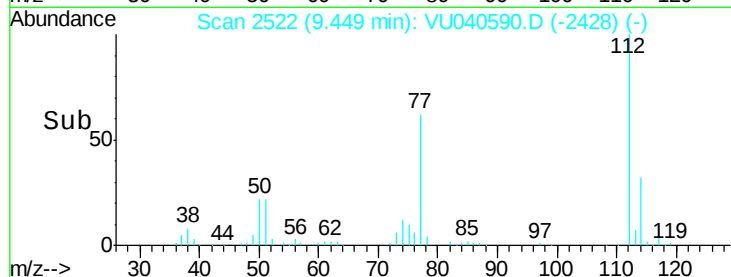
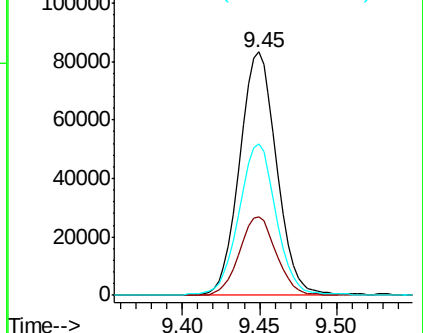
#51
Chlorobenzene
Concen: 4.713 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040590.D
Acq: 09 Oct 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
YAZ3MS

Tot Ion:112 Resp: 138429
Ion Ratio Lower Upper
112 100
114 32.5 23.1 42.9
77 62.5 50.3 75.5

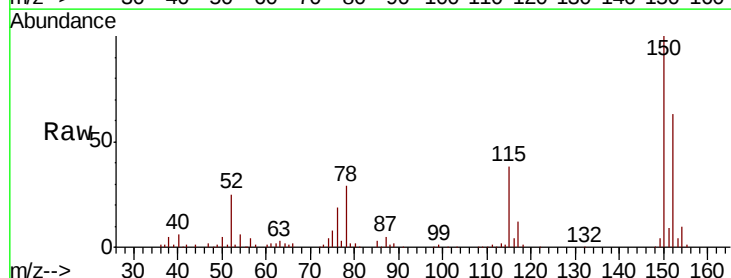


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 0.895 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU040590.D
Acq: 09 Oct 2020 17:38

Tgt Ion: 75 Resp: 8019
Ion Ratio Lower Upper
75 100
77 40.3 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

