

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101320\
 Data File : VU040680.D
 Acq On : 13 Oct 2020 14:16
 Operator : SY/MD
 Sample : L4346-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ5

Quant Time: Oct 14 06:05:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 14 05:57:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	122997	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127071	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52995	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39606	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.93	69	35157	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.58	63	62697	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	4.66	46	168653	51.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.42%
24) Chloroform-d	5.08	84	84466	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.72	65	52128	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.74	84	149687	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.70	67	54483	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.91	98	119705	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.00%
43) trans-1,3-Dichloropropene-	8.19	79	20848	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.64	63	118887	47.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47906	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	49890	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	524	0.050 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	605	0.059 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	1266	0.144 ug/L #	1
13) Acetone	2.67	43	64565	25.540 ug/L	100
15) Methyl Acetate	2.94	43	608	0.105 ug/L #	56
25) Chloroform	5.11	83	5258	0.271 ug/L	96
27) 1,2-Dichloroethane	5.74	62	981	0.071 ug/L #	77
33) Benzene	5.74	78	1163	0.028 ug/L	100
34) Trichloroethene	6.56	95	238770	22.563 ug/L	98
35) Methylcyclohexane	6.70	83	12917	0.861 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5947	0.523 ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1497	0.096 ug/L #	57
44) trans-1,3-Dichloropropene	8.19	75	1062	0.074 ug/L	91
47) Tetrachloroethene	8.56	164	41627	5.514 ug/L	95
48) 2-Hexanone	8.64	43	18951	2.807 ug/L #	73
49) Dibromochloromethane	8.56	129	40715	4.154 ug/L #	9
51) Chlorobenzene	9.45	112	1741	0.064 ug/L	94

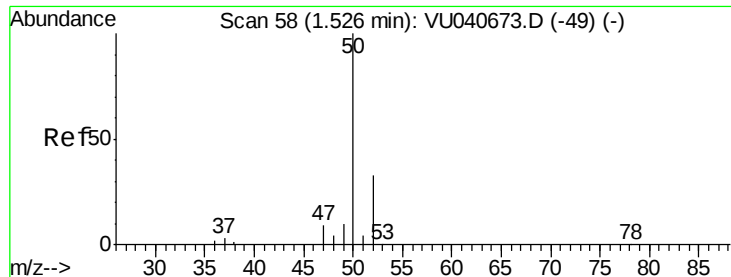
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101320\
Data File : VU040680.D
Acq On : 13 Oct 2020 14:16
Operator : SY/MD
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Quant Time: Oct 14 06:05:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 14 05:57:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	7114	0.851	ug/L	96

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



#3

Chloromethane

Concen: 0.050 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040680.D

Acq: 13 Oct 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

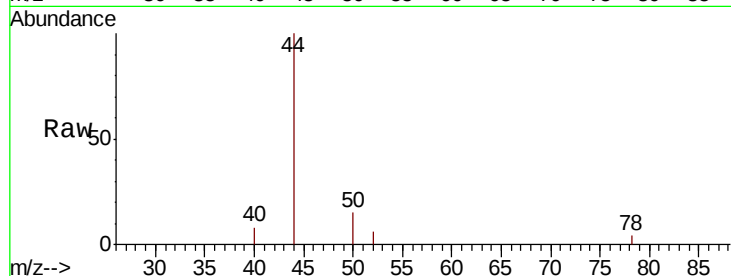
YAZ5

Tot Ion: 50 Resp: 524

Ion Ratio Lower Upper

50 100

52 37.1 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

400

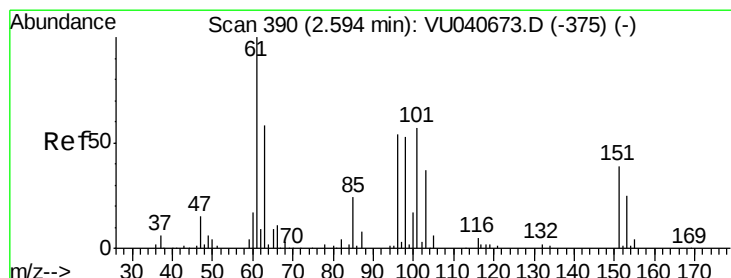
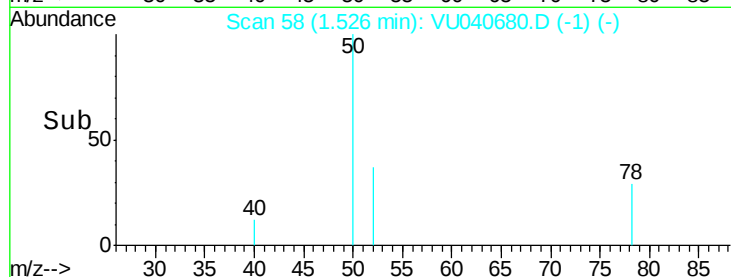
300

200

100

0

Time-->



#10

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

Concen: 0.059 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040680.D

Acq: 13 Oct 2020 14:16

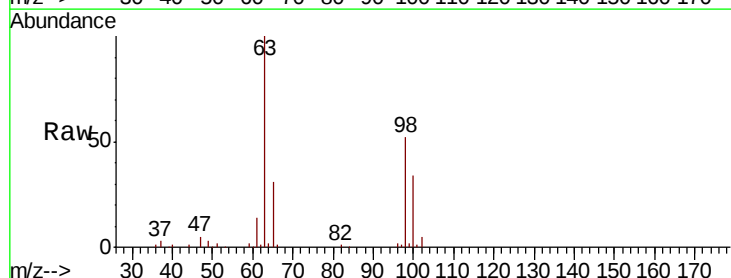
Tgt Ion: 101 Resp: 605

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): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

400

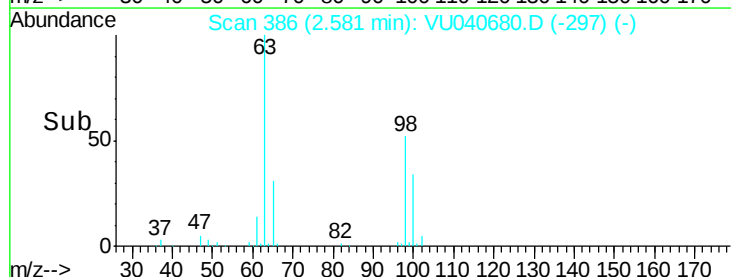
300

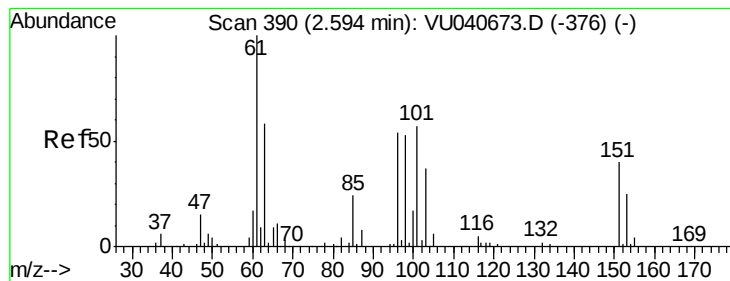
200

100

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.144 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040680.D

Acq: 13 Oct 2020 14:16

Instrument :

MSVOA_U

ClientSampled :

YAZ5

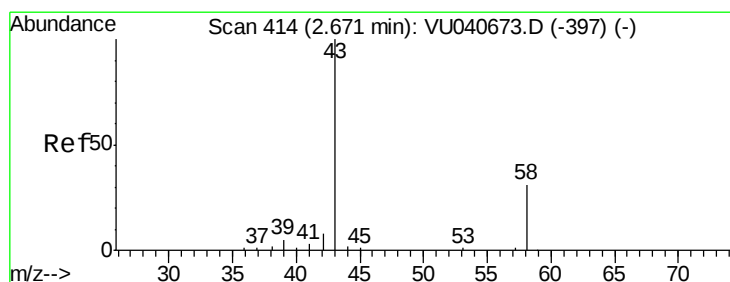
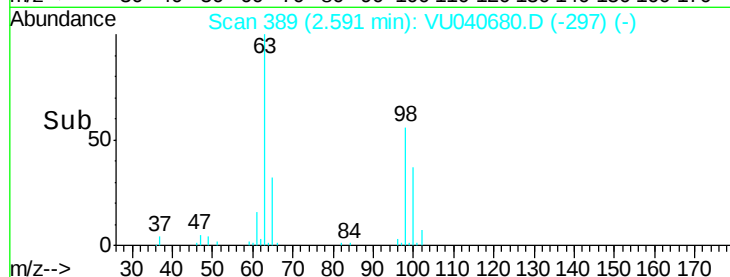
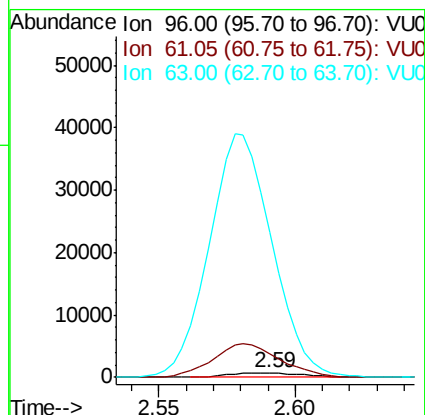
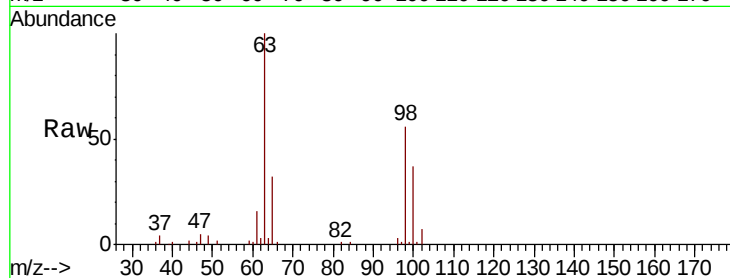
Tot Ion: 96 Resp: 1266

Ion Ratio Lower Upper

96 100

61 480.1 128.8 239.2#

63 2987.1 84.6 157.2#



#13

Acetone

Concen: 25.540 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU040680.D

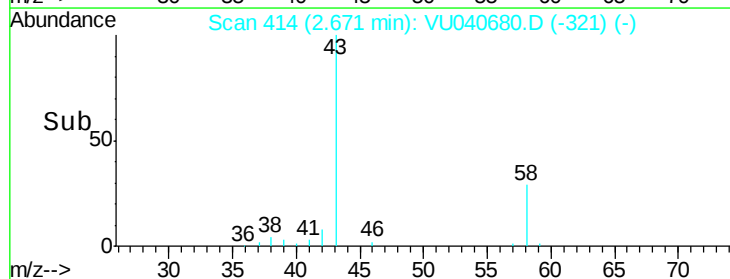
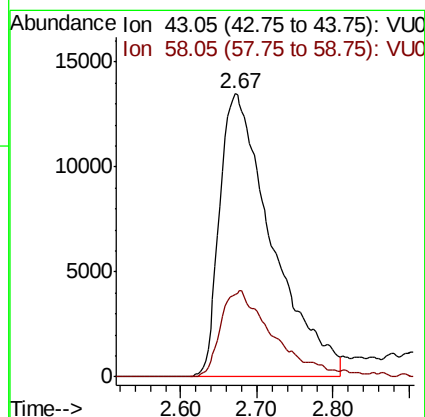
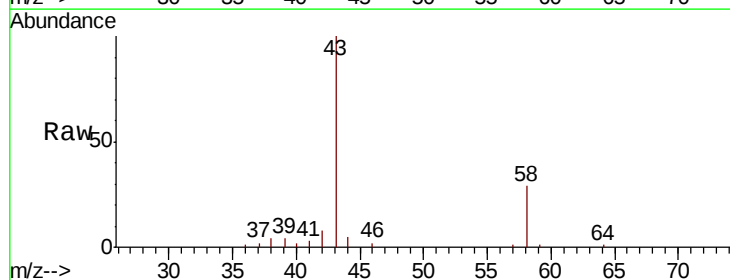
Acq: 13 Oct 2020 14:16

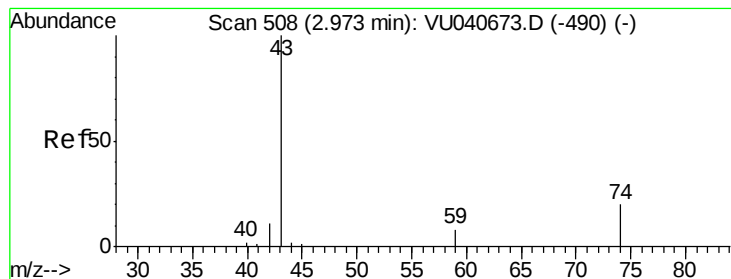
Tgt Ion: 43 Resp: 64565

Ion Ratio Lower Upper

43 100

58 30.3 0.0 60.6





#15

Methvl Acetate

Concen: 0.105 ug/L

RT: 2.94 min Scan# 498

Delta R.T. -0.03 min

Lab File: VU040680.D

Acq: 13 Oct 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

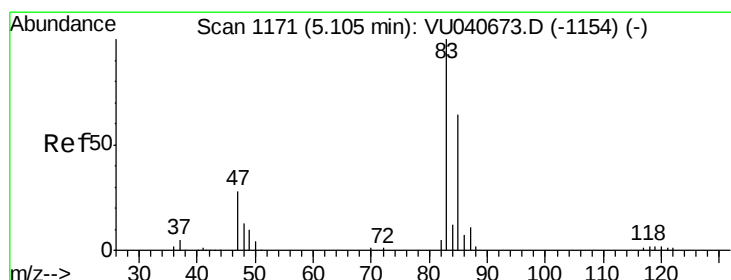
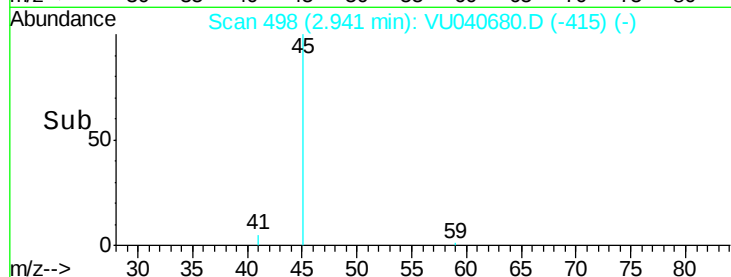
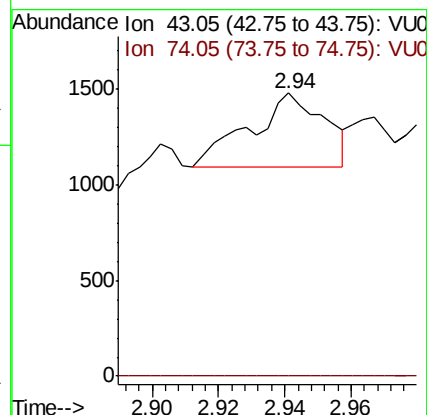
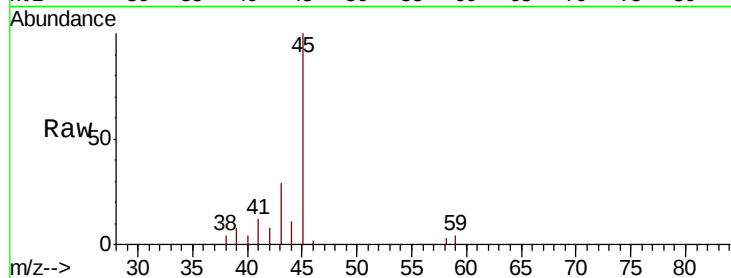
YAZ5

Tot Ion: 43 Resp: 608

Ion Ratio Lower Upper

43 100

74 0.0 16.5 24.7#



#25

Chloroform

Concen: 0.271 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040680.D

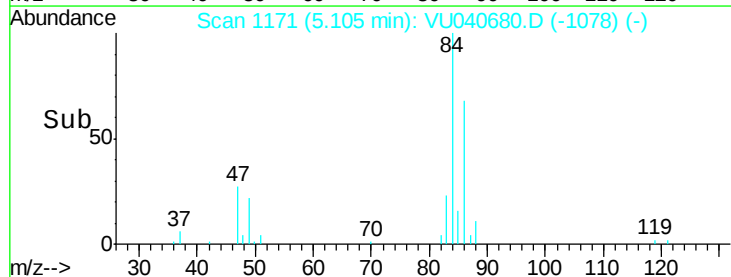
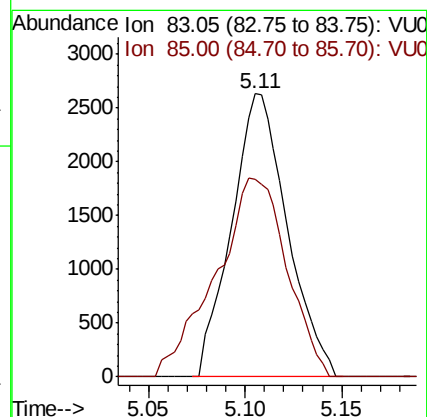
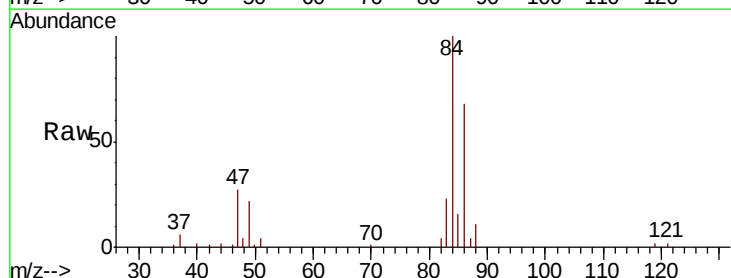
Acq: 13 Oct 2020 14:16

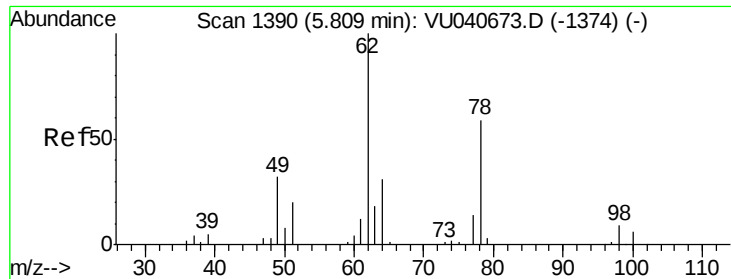
Tgt Ion: 83 Resp: 5258

Ion Ratio Lower Upper

83 100

85 70.0 46.5 86.5

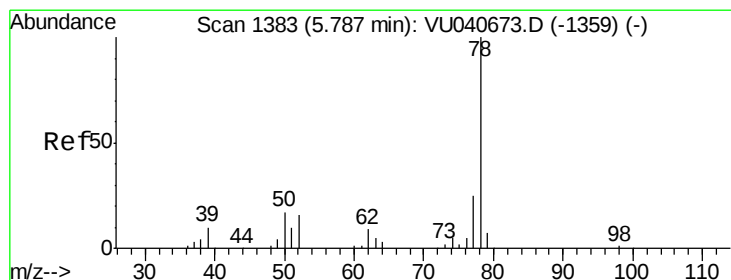
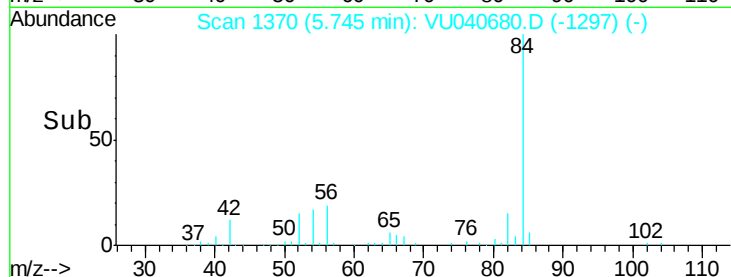
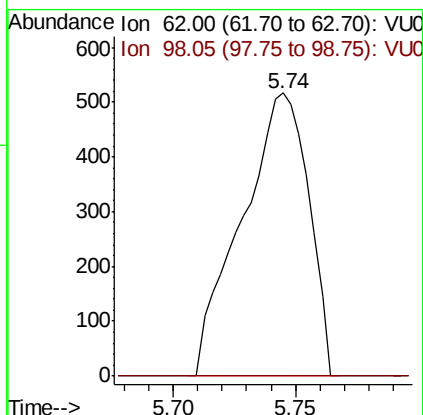
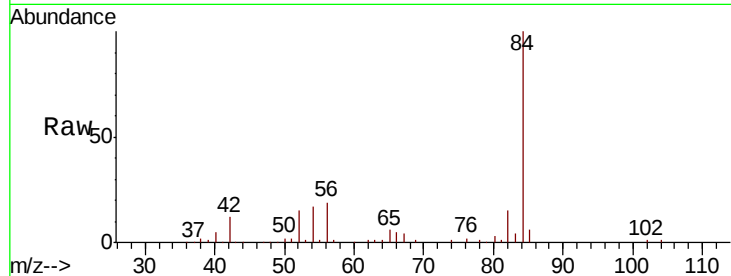




#27
 1,2-Dichloroethane
 Concen: 0.071 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU040680.D
 Acq: 13 Oct 2020 14:16

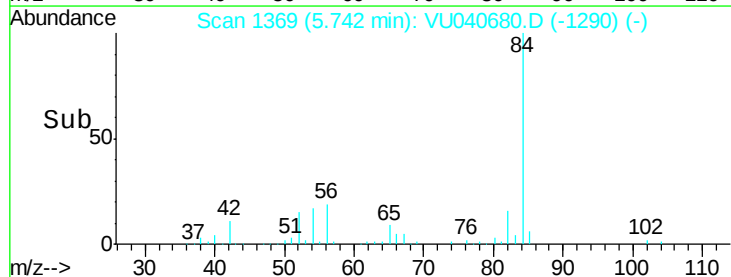
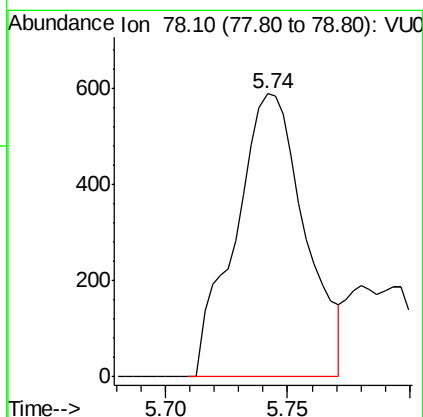
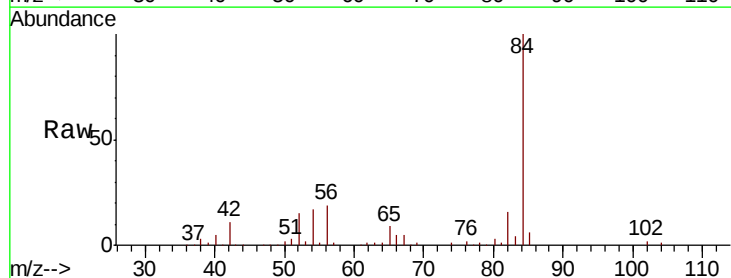
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ5

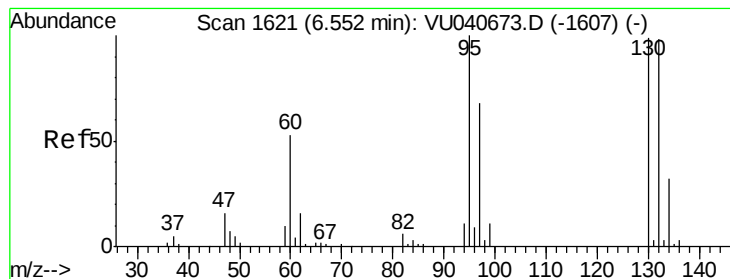
Tot Ion: 62 Resp: 981
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#33
 Benzene
 Concen: 0.028 ug/L
 RT: 5.74 min Scan# 1369
 Delta R.T. -0.05 min
 Lab File: VU040680.D
 Acq: 13 Oct 2020 14:16

Tgt Ion: 78 Resp: 1163





#34

Trichloroethene

Concen: 22.563 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040680.D

Acq: 13 Oct 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

YAZ5

Tot Ion: 95 Resp: 238770

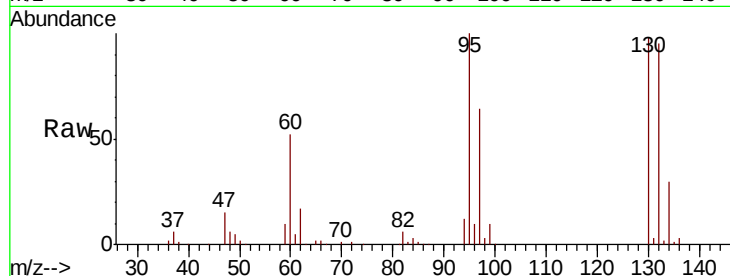
Ion Ratio Lower Upper

95 100

97 63.6 45.5 84.5

132 94.5 67.5 125.4

130 98.1 69.9 129.9

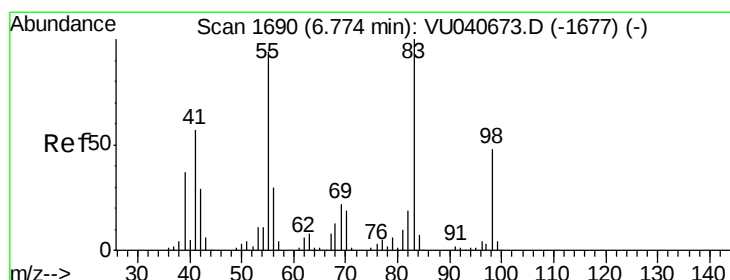
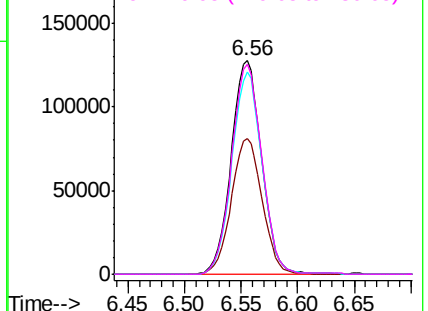
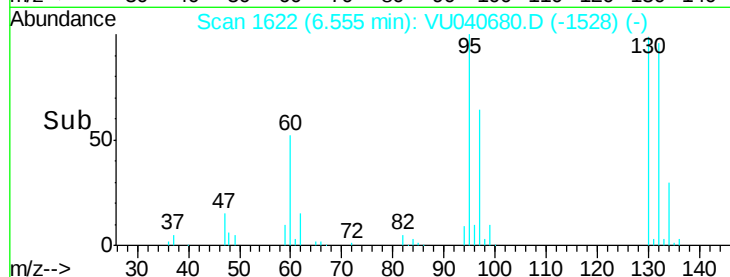


Abundance Ion 95.00 (94.70 to 95.70): VU040680.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU040680.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU040680.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU040680.D (-1528) (-)



#35

Methylcyclohexane

Concen: 0.861 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040680.D

Acq: 13 Oct 2020 14:16

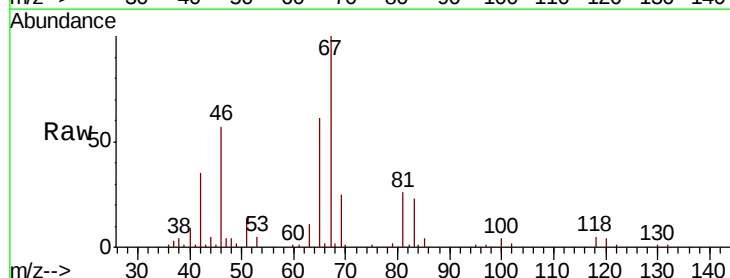
Tgt Ion: 83 Resp: 12917

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

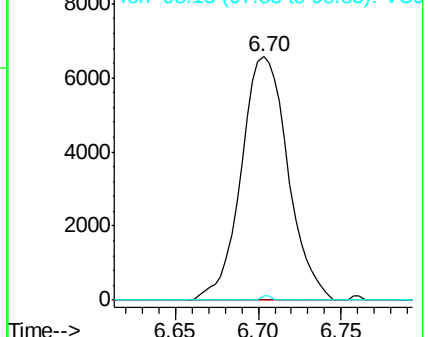
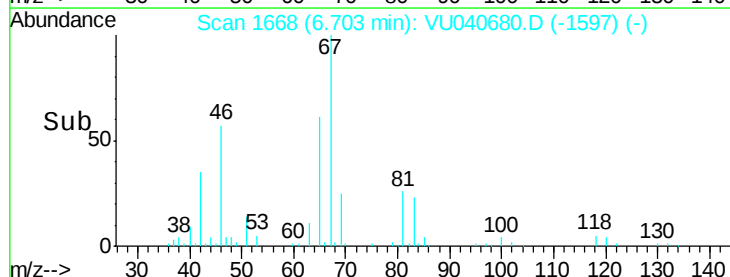
98 0.0 38.4 57.6#

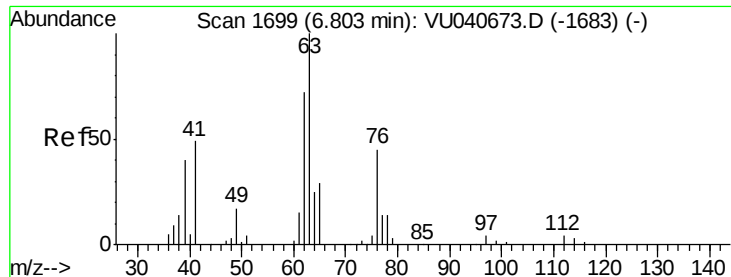


Abundance Ion 83.15 (82.85 to 83.85): VU040680.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040680.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040680.D (-1597) (-)

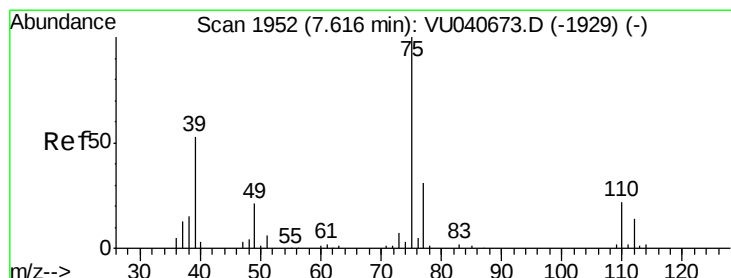
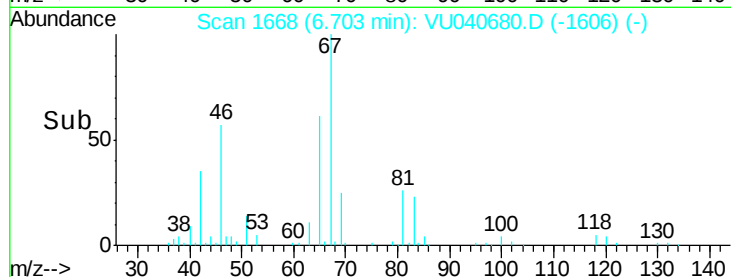
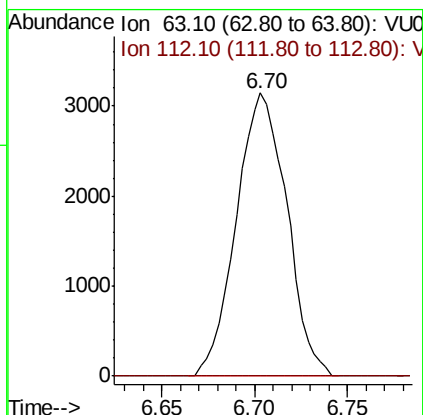
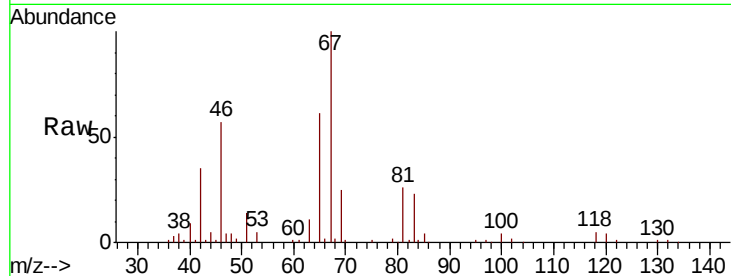




#37
 1,2-Dichloropropane
 Concen: 0.523 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040680.D
 Acq: 13 Oct 2020 14:16

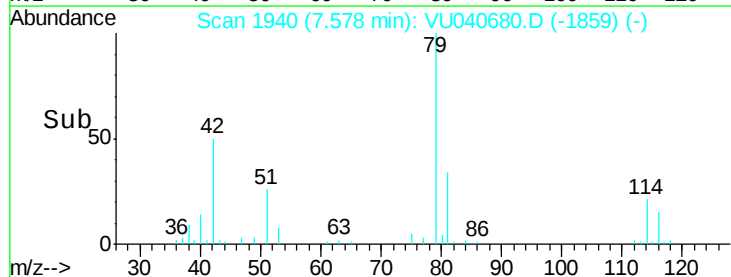
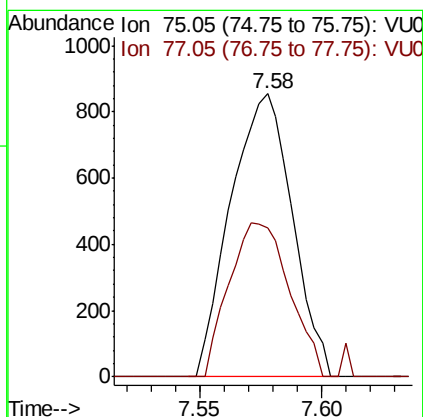
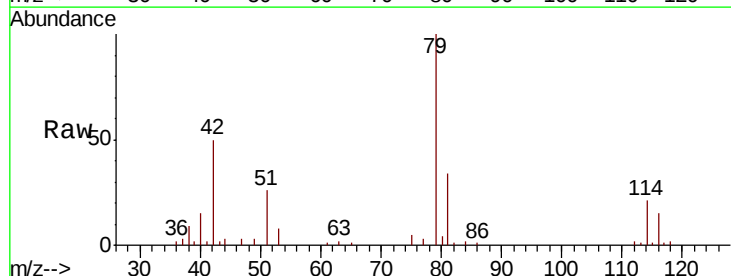
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ5

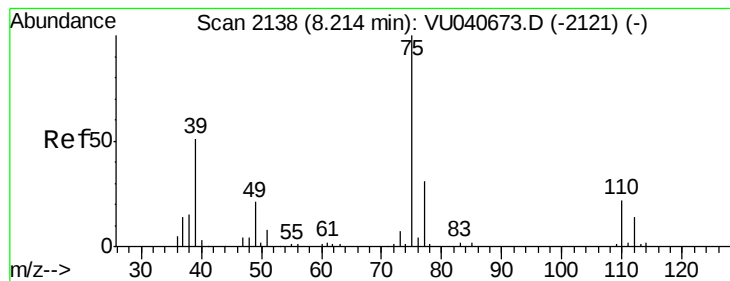
Tot Ion: 63 Resp: 5947
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU040680.D
 Acq: 13 Oct 2020 14:16

Tgt Ion: 75 Resp: 1497
 Ion Ratio Lower Upper
 75 100
 77 52.5 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.074 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040680.D

Acq: 13 Oct 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

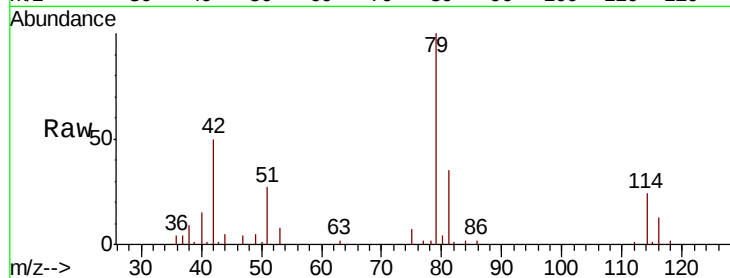
YAZ5

Tot Ion: 75 Resp: 1062

Ion Ratio Lower Upper

75 100

77 24.5 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040673.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040673.D (-2121) (-)

8.19

800

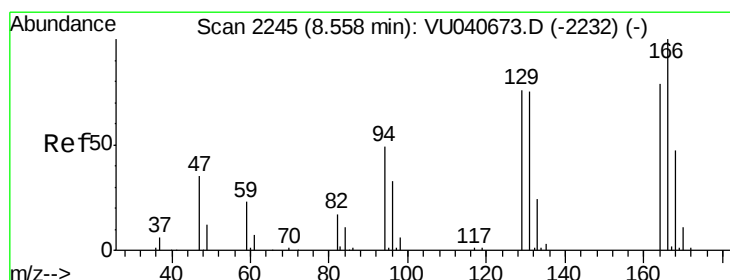
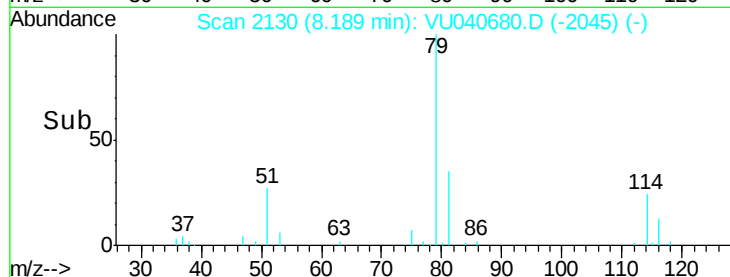
600

400

200

0

Time-->



#47

Tetrachloroethene

Concen: 5.514 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040680.D

Acq: 13 Oct 2020 14:16

Tgt Ion: 164 Resp: 41627

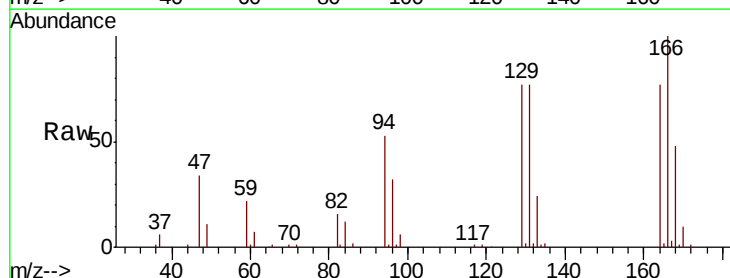
Ion Ratio Lower Upper

164 100

129 100.0 68.8 127.8

131 99.9 66.7 123.9

166 129.3 83.9 155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040673.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU040673.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU040673.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU040673.D (-2232) (-)

8.56

40000

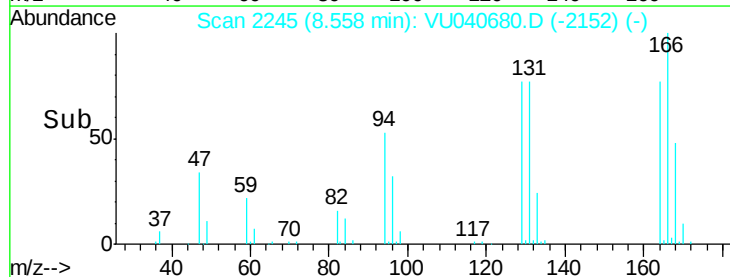
30000

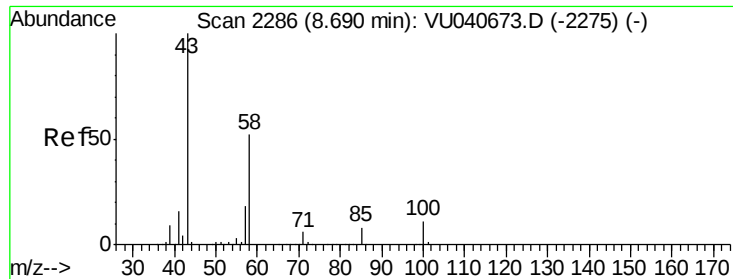
20000

10000

0

Time-->

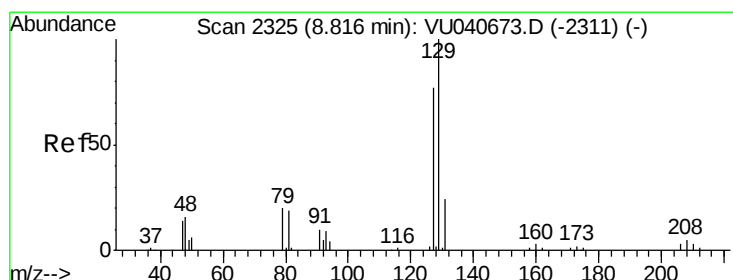
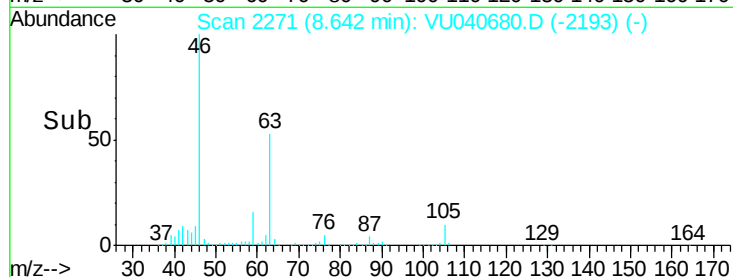
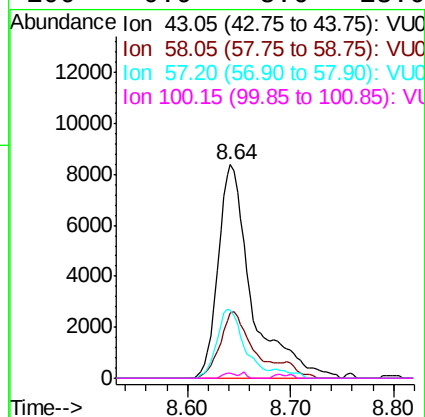
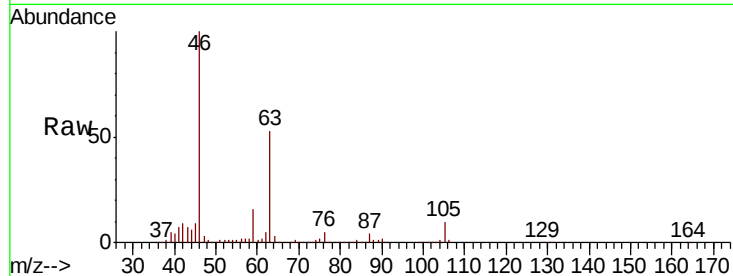




#48
2-Hexanone
Concen: 2.807 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040680.D
Acq: 13 Oct 2020 14:16

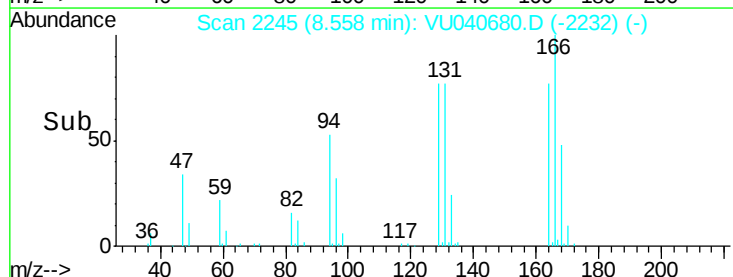
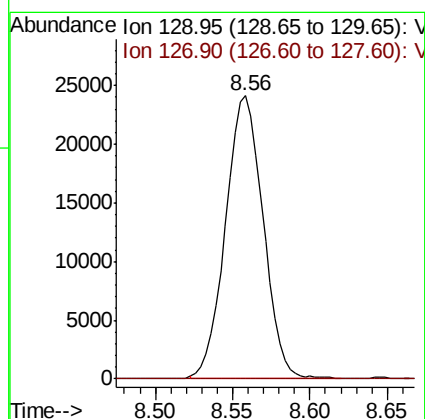
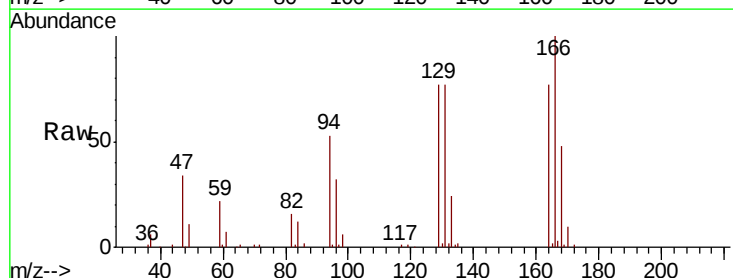
Instrument :
MSVOA_U
ClientSampleId :
YQZ5

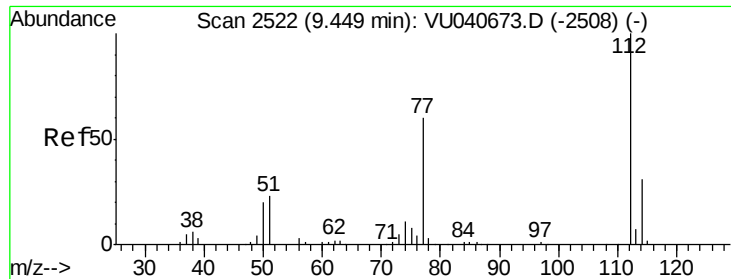
Tot Ion:	43	Resp:	18951
Ion	Ratio	Lower	Upper
43	100		
58	30.1	41.0	61.6#
57	26.4	14.4	21.6#
100	0.9	8.6	13.0#



#49
Dibromochloromethane
Concen: 4.154 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.26 min
Lab File: VU040680.D
Acq: 13 Oct 2020 14:16

Tgt Ion:	129	Resp:	40715
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.8	103.6#





#51

Chlorobenzene

Concen: 0.064 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040680.D

Acq: 13 Oct 2020 14:16

Instrument :

MSVOA_U

ClientSampleId :

YAZ5

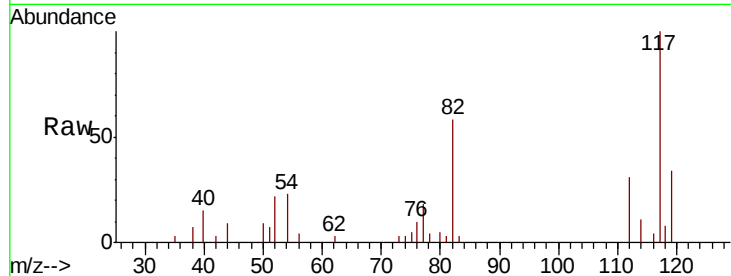
Tot Ion:112 Resp: 1741

Ion Ratio Lower Upper

112 100

114 34.9 23.1 42.9

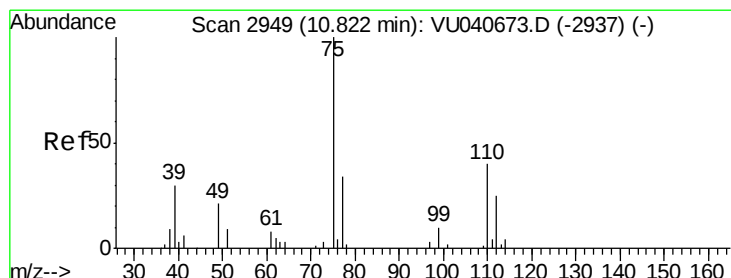
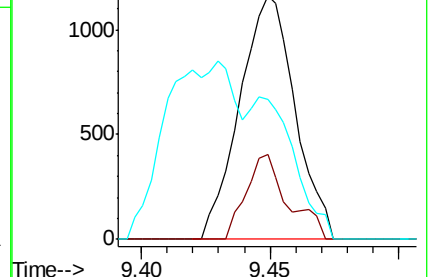
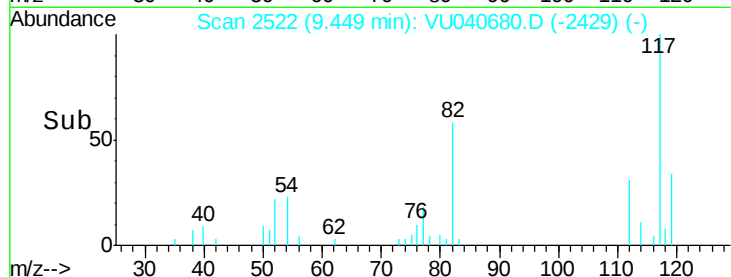
77 57.4 50.3 75.5



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: 0.851 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040680.D

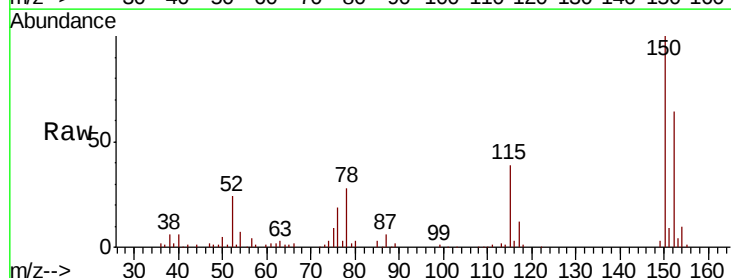
Acq: 13 Oct 2020 14:16

Tgt Ion: 75 Resp: 7114

Ion Ratio Lower Upper

75 100

77 35.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

