

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
 Data File : VU040576.D
 Acq On : 08 Oct 2020 20:58
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Quant Time: Oct 09 02:06:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:55:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	143207	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	145235	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	75454	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	56514	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.92	69	43535	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.58	63	112324	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.80%
20) 2-Butanone-d5	4.66	46	184543	48.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.20%
24) Chloroform-d	5.08	84	105605	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.72	65	60474	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.75	84	193986	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.70	67	63225	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.91	98	177392	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	8.19	79	26390	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.64	63	139570	49.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55149	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	67068	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	63285	4.877 ug/L	98
3) Chloromethane	1.53	50	58148	4.792 ug/L	96
5) Vinyl chloride	1.61	62	60071	4.701 ug/L	99
6) Bromomethane	1.87	94	32455	4.677 ug/L	94
8) Chloroethane	1.94	64	38481	4.730 ug/L	96
9) Trichlorofluoromethane	2.15	101	88934	4.847 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	56851	4.772 ug/L	99
12) 1,1-Dichloroethene	2.59	96	50457	4.938 ug/L	96
13) Acetone	2.67	43	129548	44.013 ug/L	98
14) Carbon disulfide	2.81	76	137242	4.798 ug/L	99
15) Methyl Acetate	2.97	43	32346	4.813 ug/L	98
16) Methylene chloride	3.06	84	63125	4.812 ug/L	95
17) Methyl tert-butyl Ether	3.38	73	141747	4.906 ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	51993	4.861 ug/L	95
19) 1,1-Dichloroethane	3.89	63	112162	5.070 ug/L	99
21) 2-Butanone	4.74	43	216949	47.276 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	59446	5.154 ug/L	98

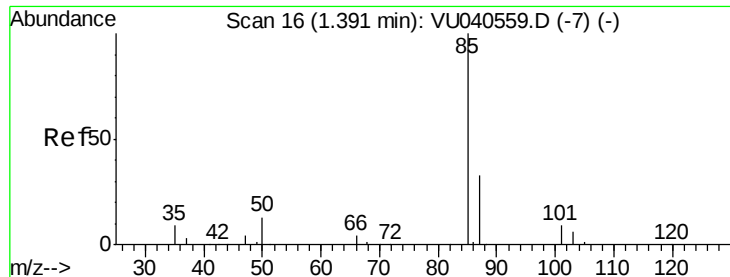
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	28812	5.028	ug/L	94
25) Chloroform	5.11	83	113528	5.027	ug/L	99
27) 1,2-Dichloroethane	5.81	62	80015	5.006	ug/L	98
29) 1,1,1-Trichloroethane	5.34	97	96287	4.934	ug/L	100
30) Cyclohexane	5.41	56	88834	4.940	ug/L	99
31) Carbon tetrachloride	5.54	117	82619	4.947	ug/L	99
33) Benzene	5.79	78	233042	4.994	ug/L	100
34) Trichloroethene	6.56	95	59915	4.954	ug/L	95
35) Methylcyclohexane	6.77	83	85578	4.990	ug/L	98
37) 1,2-Dichloropropane	6.80	63	64844	4.988	ug/L	100
38) Bromodichloromethane	7.12	83	80920	4.869	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	86809	4.887	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	497697	48.018	ug/L	100
42) Toluene	7.98	91	239914	5.046	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	80043	4.895	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	46991	4.826	ug/L	97
47) Tetrachloroethene	8.56	164	43662	5.060	ug/L	96
48) 2-Hexanone	8.69	43	373119	48.352	ug/L	100
49) Dibromochloromethane	8.82	129	55281	4.934	ug/L	97
50) 1,2-Dibromoethane	8.93	107	43704	4.732	ug/L	98
51) Chlorobenzene	9.45	112	151861	4.849	ug/L	99
52) Ethylbenzene	9.57	91	260695	5.066	ug/L	100
53) m,p-Xylene	9.69	106	97339	5.190	ug/L	98
54) o-Xylene	10.10	106	93221	5.168	ug/L	96
55) Styrene	10.11	104	167526	5.348	ug/L	98
56) Isopropylbenzene	10.48	105	248233	5.112	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	60179	4.707	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	44486	4.658	ug/L	100
61) Bromoform	10.29	173	30591	4.730	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	123470	5.000	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	127447	5.005	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	119374	4.944	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9703	4.590	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	85171	4.861	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	68064	5.027	ug/L	96
69) Naphthalene	14.08	128	109206	4.931	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	62594	4.979	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.877 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

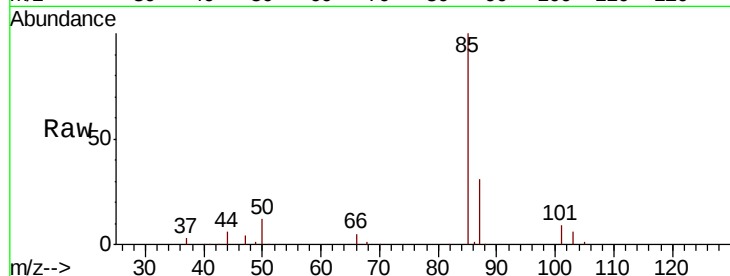
VSTD00522

Tot Ion: 85 Resp: 63285

Ion Ratio Lower Upper

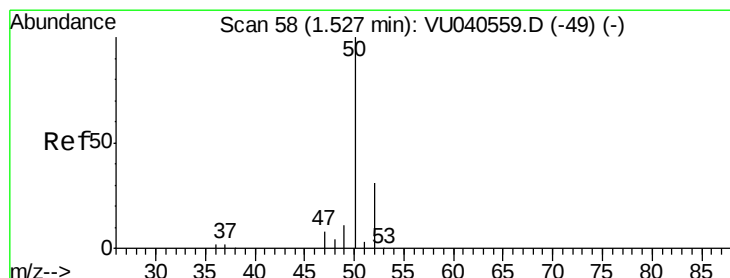
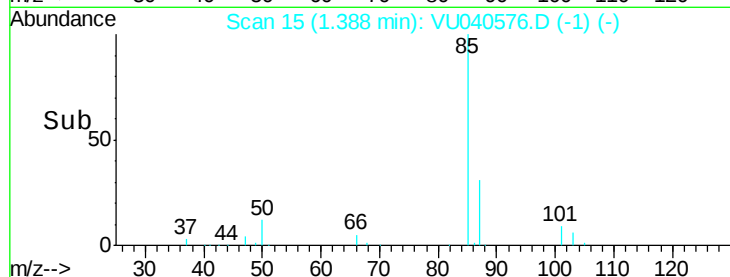
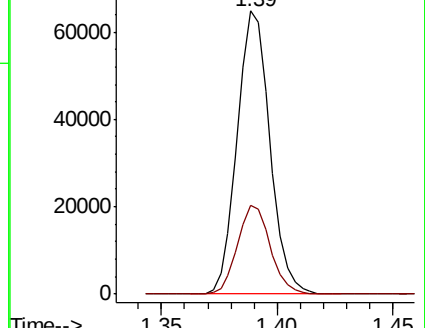
85 100

87 31.6 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU040559.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040559.D (-7) (-)



#3

Chloromethane

Concen: 4.792 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040576.D

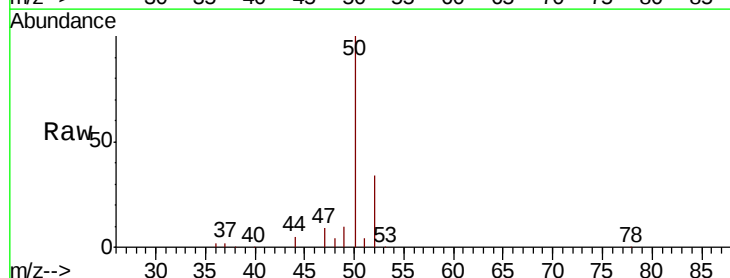
Acq: 08 Oct 2020 20:58

Tgt Ion: 50 Resp: 58148

Ion Ratio Lower Upper

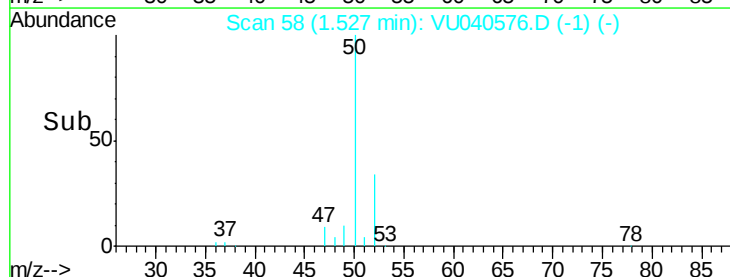
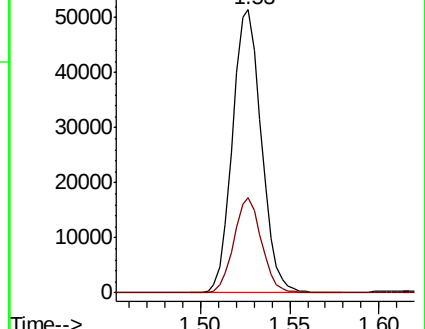
50 100

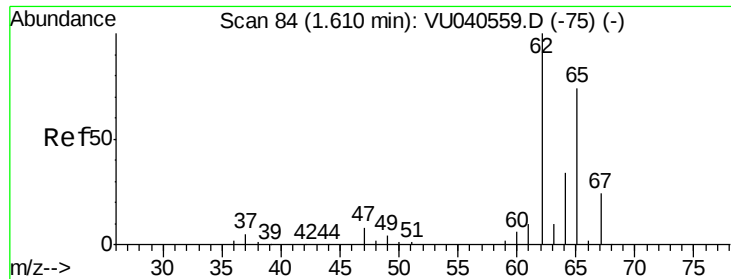
52 33.7 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040559.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040559.D (-49) (-)

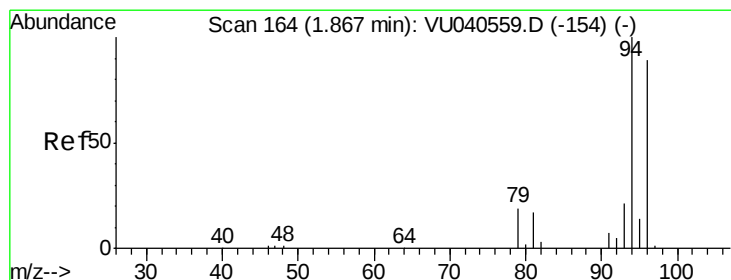
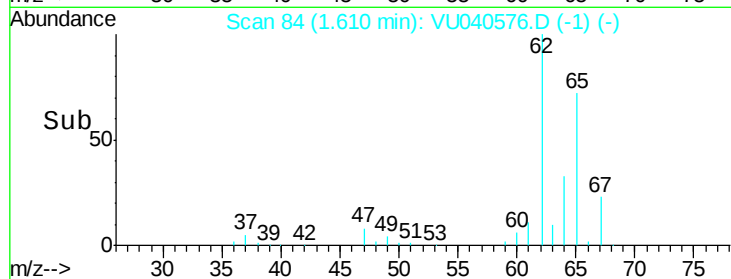
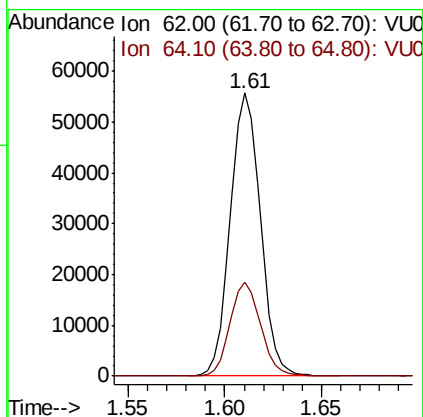
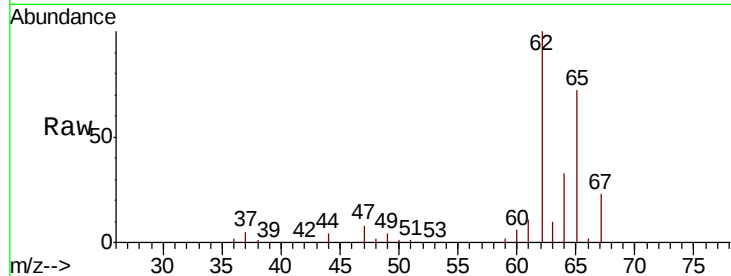




#5
 Vinyl chloride
 Concen: 4.701 ug/L
 RT: 1.61 min Scan# 84
 Delta R.T. 0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

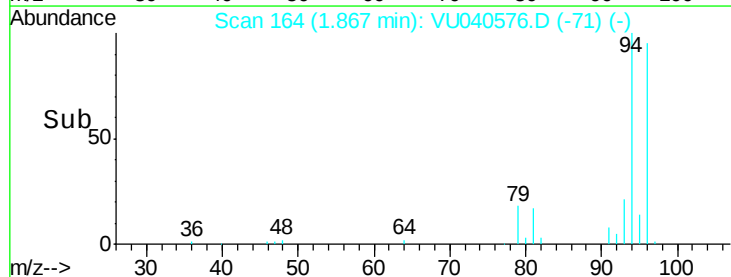
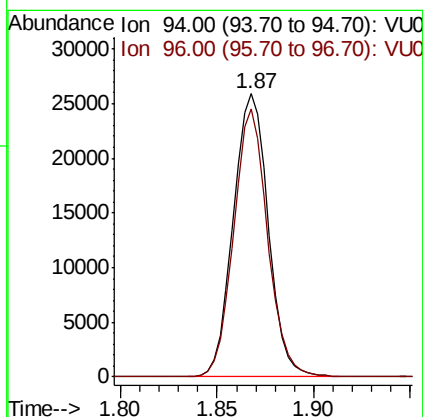
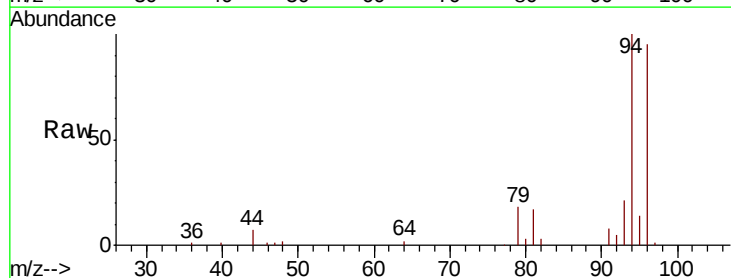
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

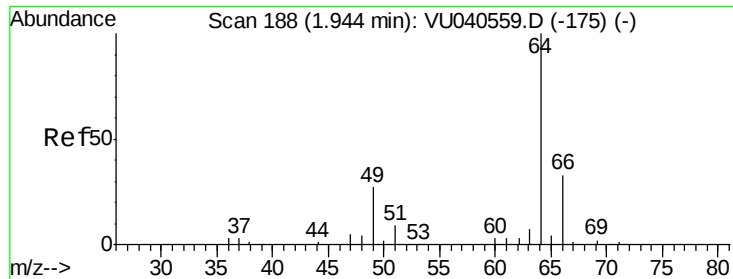
Tot Ion: 62 Resp: 60071
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.7 44.1



#6
 Bromomethane
 Concen: 4.677 ug/L
 RT: 1.87 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

Tgt Ion: 94 Resp: 32455
 Ion Ratio Lower Upper
 94 100
 96 94.6 62.1 115.3

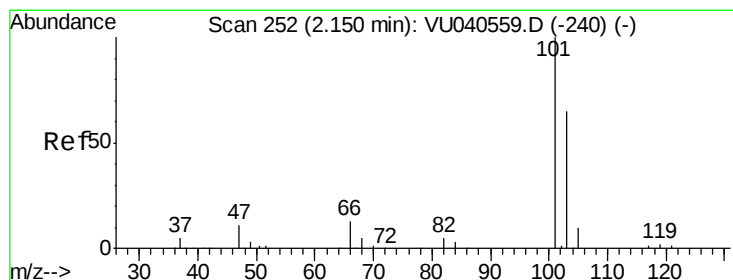
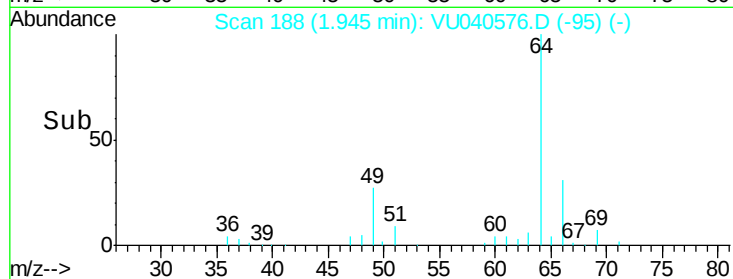
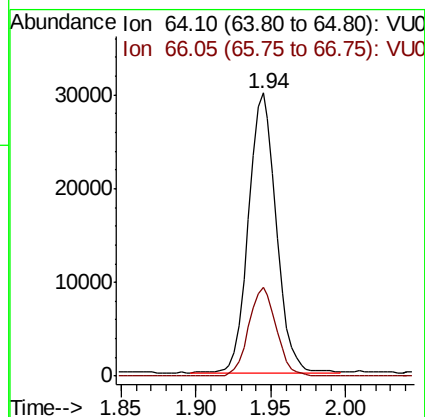
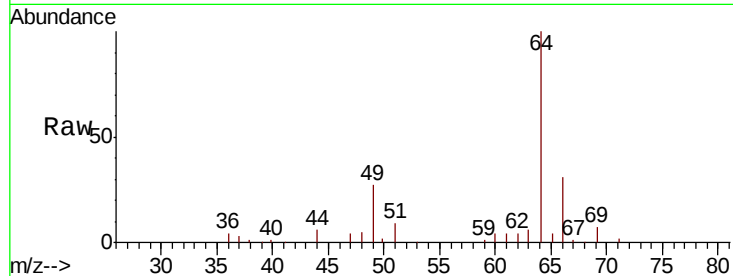




#8
Chloroethane
Concen: 4.730 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040576.D
Acq: 08 Oct 2020 20:58

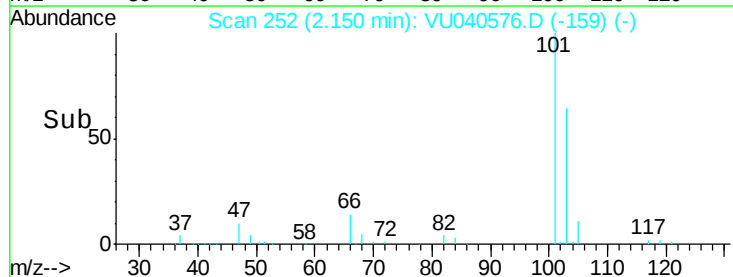
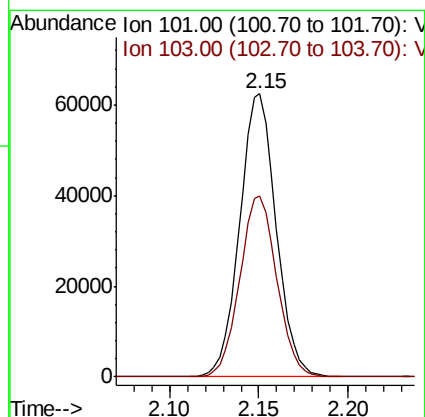
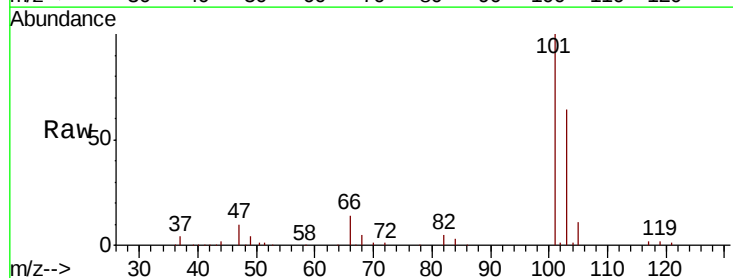
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

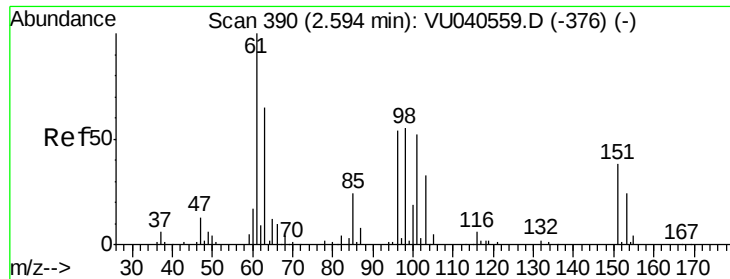
Tot Ion: 64 Resp: 38481
Ion Ratio Lower Upper
64 100
66 31.3 23.3 43.3



#9
Trichlorofluoromethane
Concen: 4.847 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040576.D
Acq: 08 Oct 2020 20:58

Tgt Ion: 101 Resp: 88934
Ion Ratio Lower Upper
101 100
103 65.0 52.2 78.4





#10

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

Concen: 4.772 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

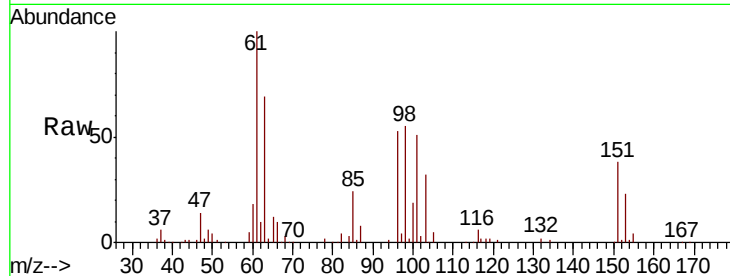
Tot Ion:101 Resp: 56851

Ion Ratio Lower Upper

101 100

85 45.7 36.7 55.1

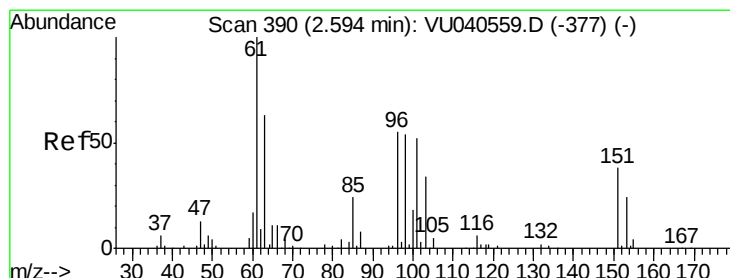
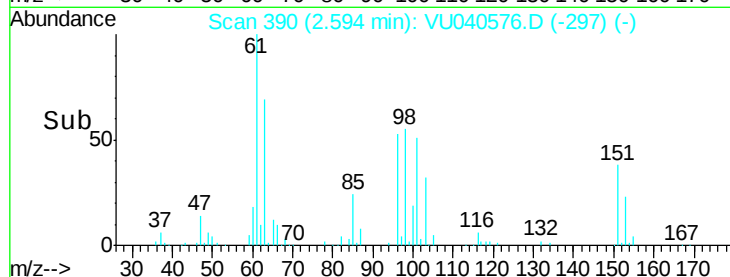
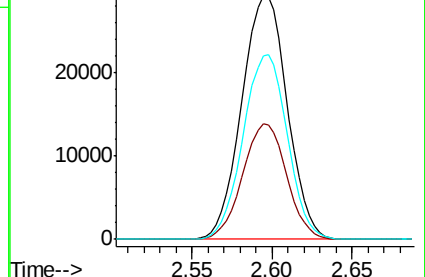
151 73.8 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VU040559.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VU040559.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VU040559.D (-376) (-)



#12

1,1-Dichloroethene

Concen: 4.938 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

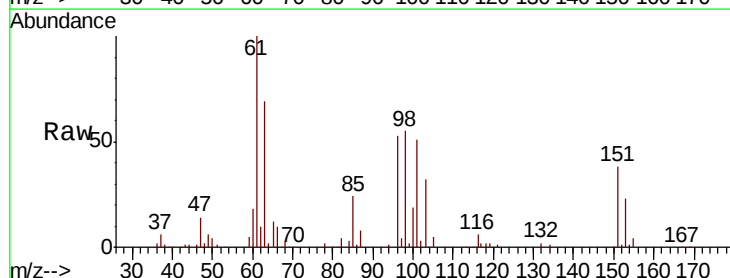
Tgt Ion: 96 Resp: 50457

Ion Ratio Lower Upper

96 100

61 187.1 128.8 239.2

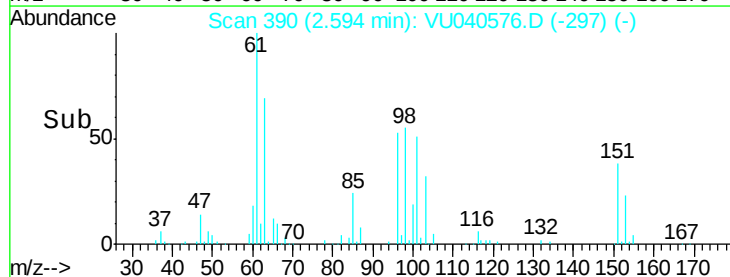
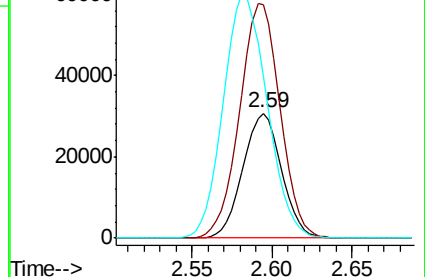
63 129.4 84.6 157.2

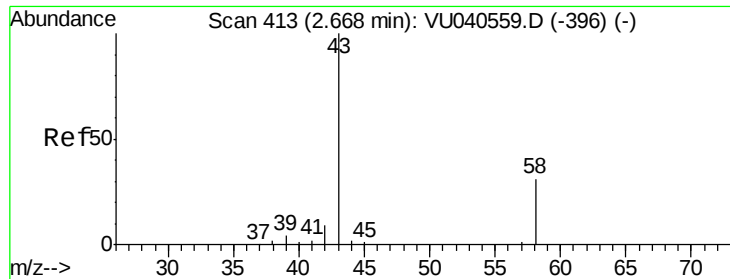


Abundance Ion 96.00 (95.70 to 96.70): VU040559.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VU040559.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU040559.D (-377) (-)





#13

Acetone

Concen: 44.013 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

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MSVOA_U

ClientSampleId :

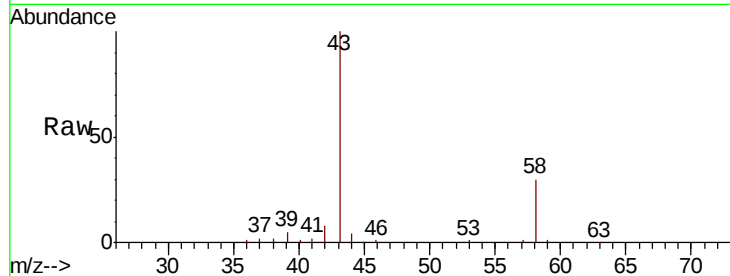
VSTD00522

Tot Ion: 43 Resp: 129548

Ion Ratio Lower Upper

43 100

58 29.2 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040559.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU040559.D (-396) (-)

2.67

30000

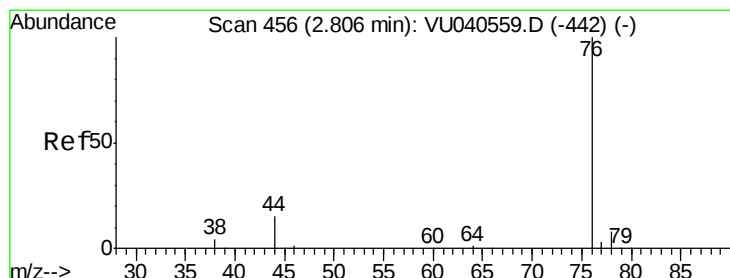
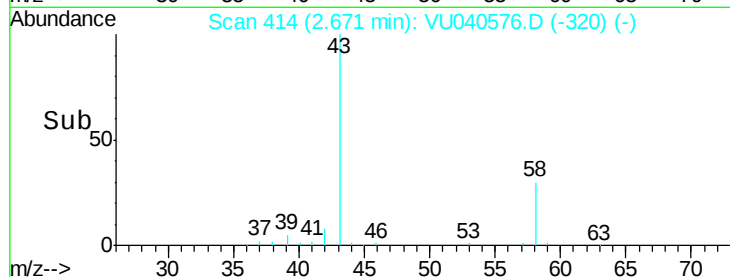
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10000

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Time-->

2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 4.798 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040576.D

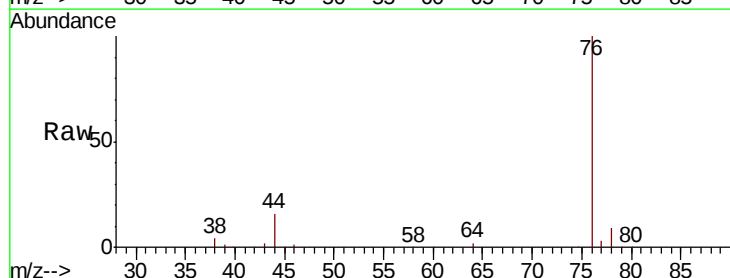
Acq: 08 Oct 2020 20:58

Tgt Ion: 76 Resp: 137242

Ion Ratio Lower Upper

76 100

78 8.8 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040559.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040559.D (-442) (-)

2.81

80000

60000

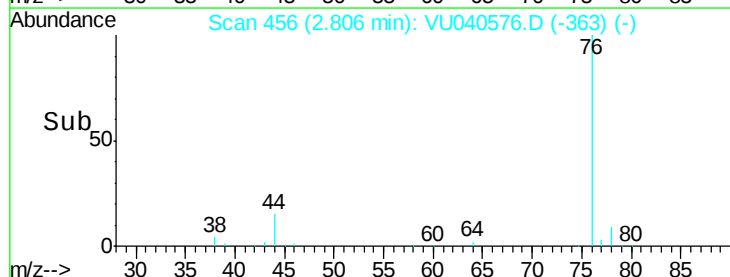
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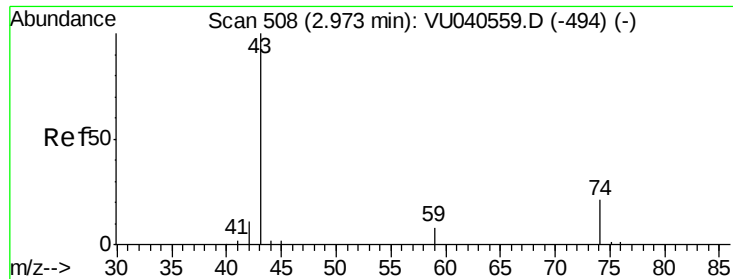
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Time-->

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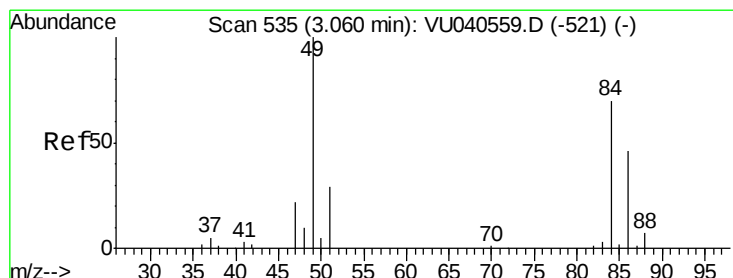
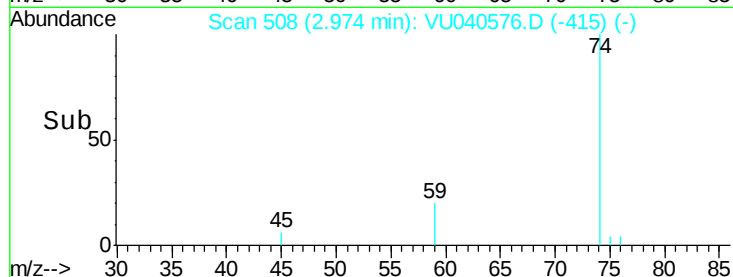
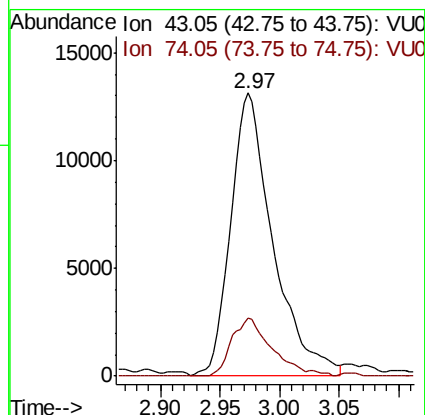
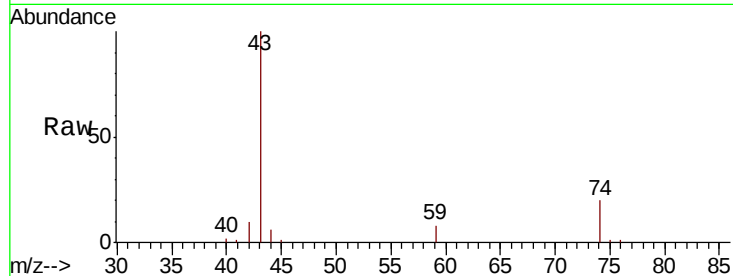




#15
Methvl Acetate
Concen: 4.813 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU040576.D
Acq: 08 Oct 2020 20:58

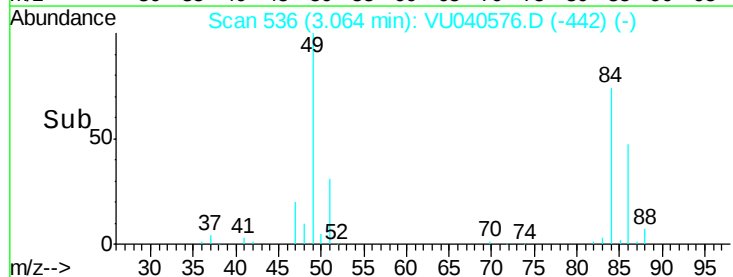
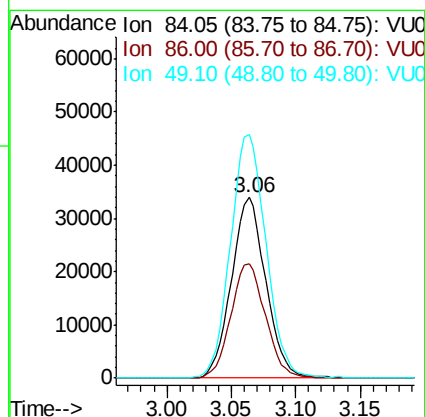
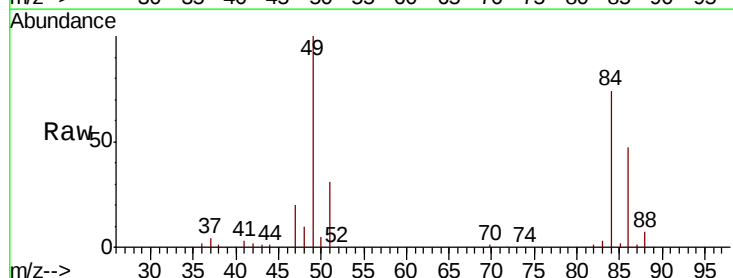
Instrument :
MSVOA_U
ClientSampled :
VSTD00522

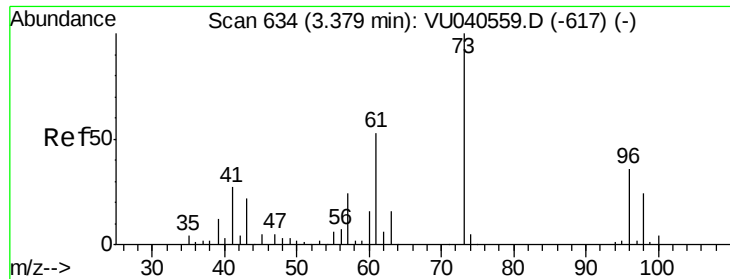
Tot Ion: 43 Resp: 32346
Ion Ratio Lower Upper
43 100
74 19.6 16.5 24.7



#16
Methylene chloride
Concen: 4.812 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040576.D
Acq: 08 Oct 2020 20:58

Tgt Ion: 84 Resp: 63125
Ion Ratio Lower Upper
84 100
86 63.5 45.4 84.4
49 135.1 99.8 185.3

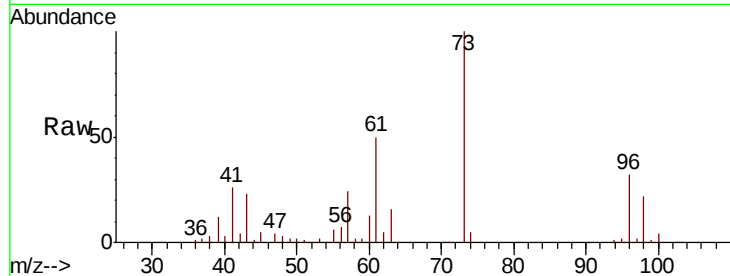




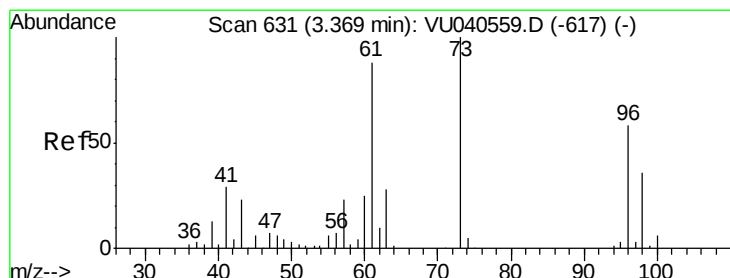
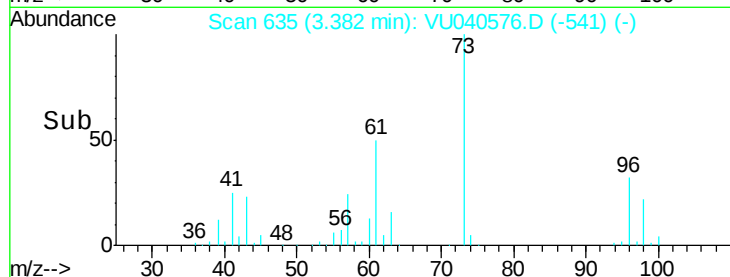
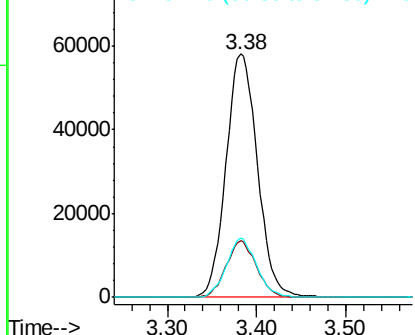
#17
Methvl tert-butvl Ether
Concen: 4.906 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040576.D
Acq: 08 Oct 2020 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion: 73 Resp: 141747
Ion Ratio Lower Upper
73 100
43 22.6 18.2 27.4
57 23.3 18.6 28.0

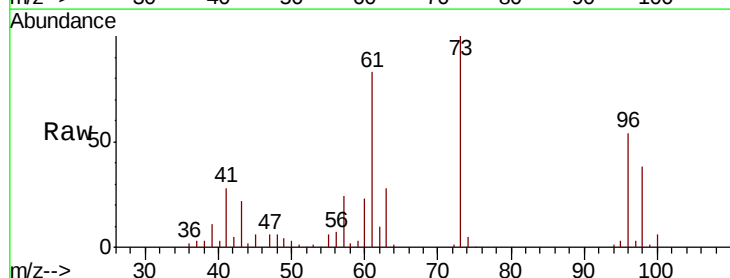


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

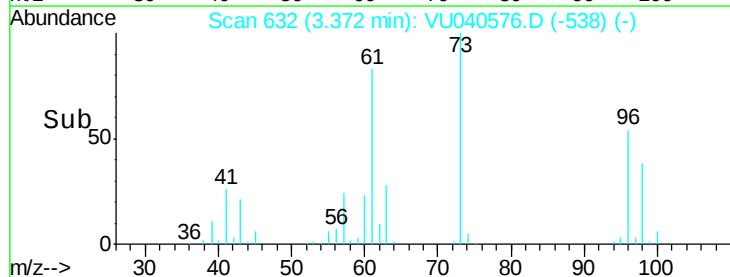
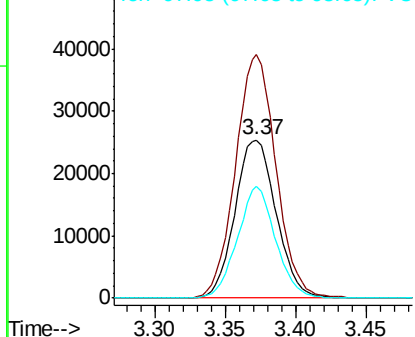


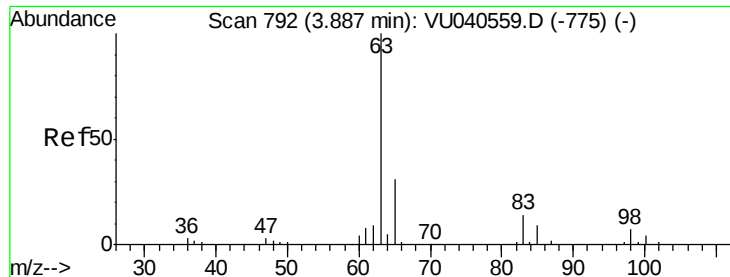
#18
trans-1,2-Dichloroethene
Concen: 4.861 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040576.D
Acq: 08 Oct 2020 20:58

Tgt Ion: 96 Resp: 51993
Ion Ratio Lower Upper
96 100
61 154.1 105.9 196.7
98 70.9 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 5.070 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.01 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

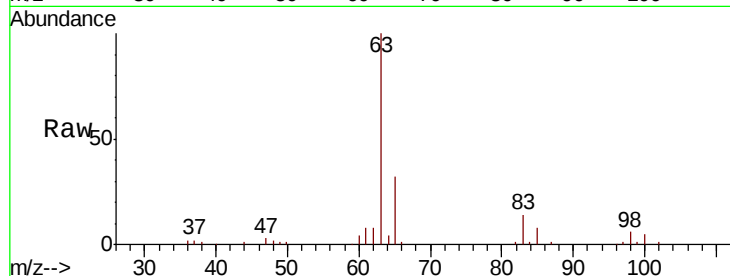
Tot Ion: 63 Resp: 112162

Ion Ratio Lower Upper

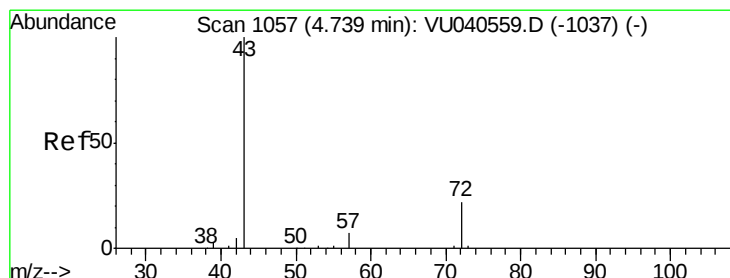
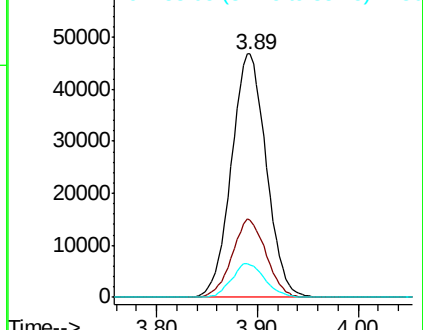
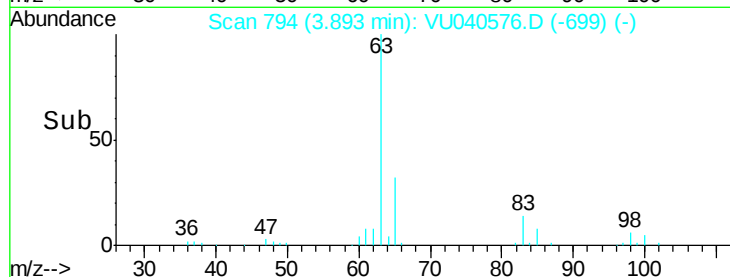
63 100

65 31.9 21.9 40.7

83 13.5 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU040576.D (-699) (-)



#21

2-Butanone

Concen: 47.276 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU040576.D

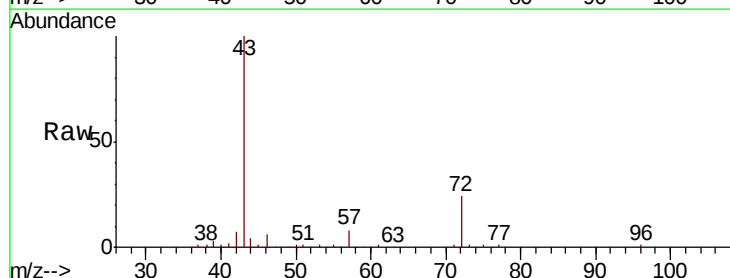
Acq: 08 Oct 2020 20:58

Tgt Ion: 43 Resp: 216949

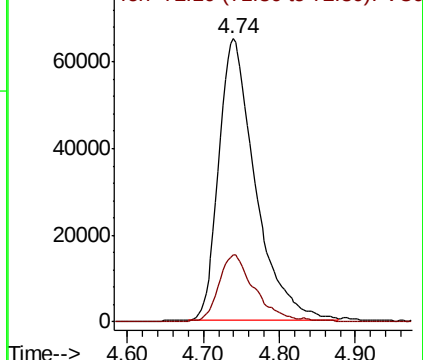
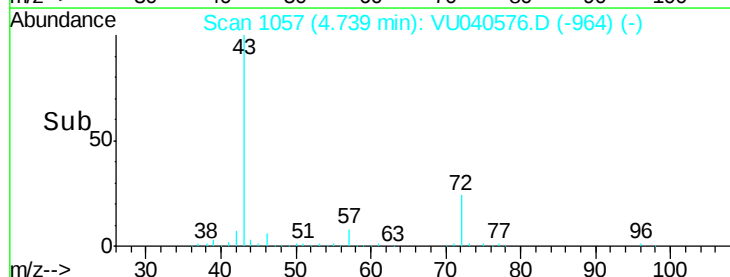
Ion Ratio Lower Upper

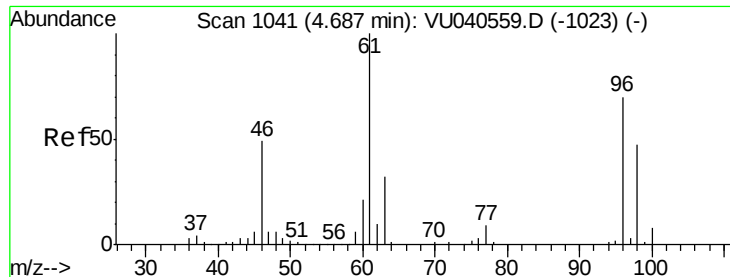
43 100

72 23.4 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU040576.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.154 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

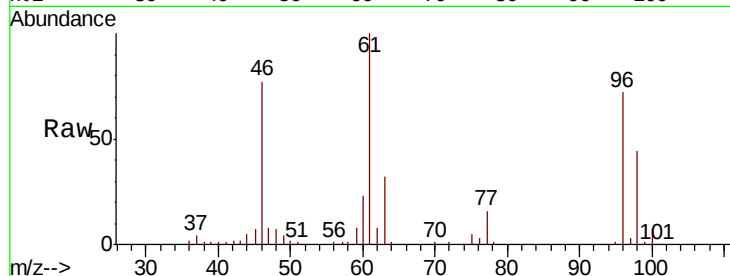
Tot Ion: 96 Resp: 59446

Ion Ratio Lower Upper

96 100

61 139.6 99.8 185.4

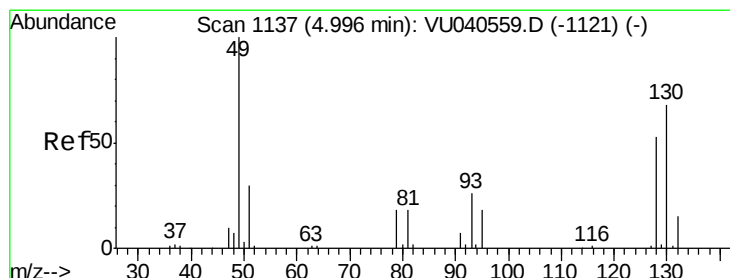
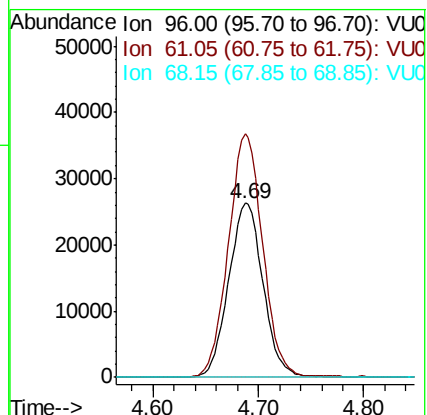
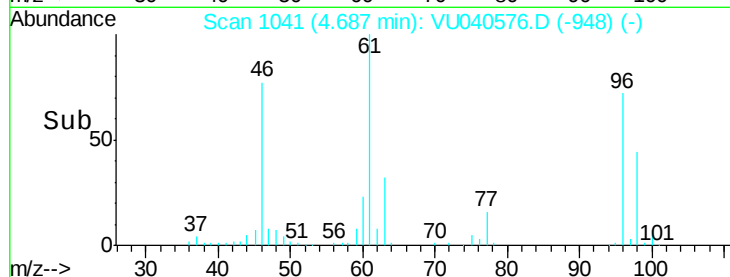
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040576.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU040576.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU040576.D (-948) (-)



#23

Bromochloromethane

Concen: 5.028 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Tgt Ion:128 Resp: 28812

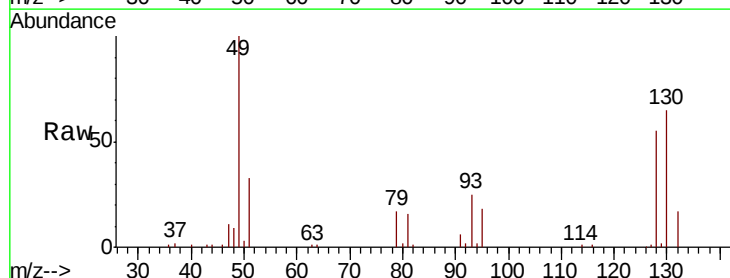
Ion Ratio Lower Upper

128 100

49 182.3 132.2 245.4

130 118.7 89.2 165.8

51 60.7 45.3 67.9

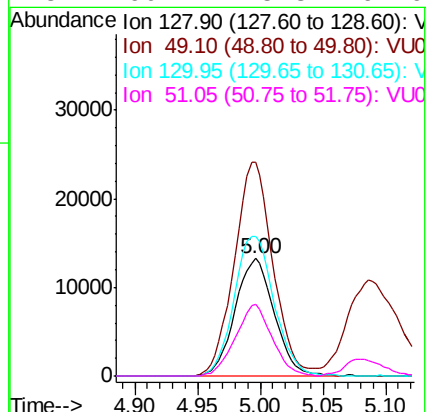
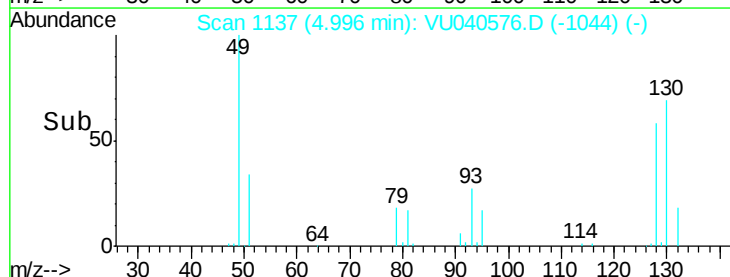


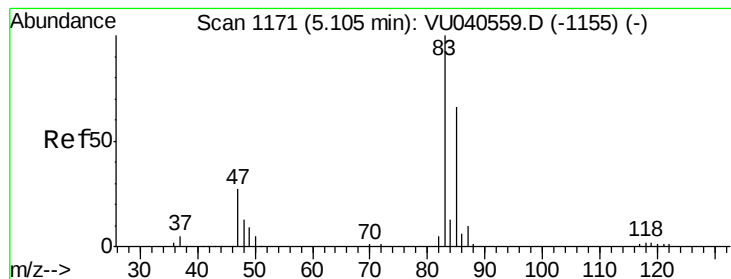
Abundance Ion 127.90 (127.60 to 128.60): VU040576.D (-1044) (-)

Ion 49.10 (48.80 to 49.80): VU040576.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU040576.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU040576.D (-1044) (-)





#25

Chloroform

Concen: 5.027 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

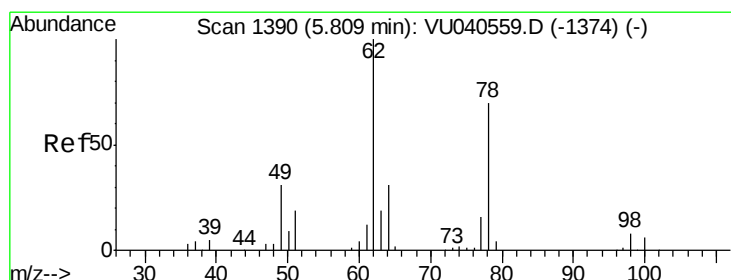
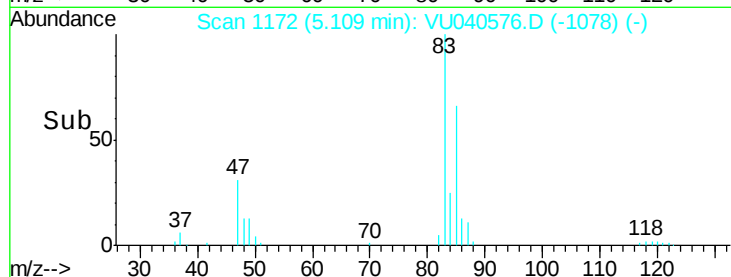
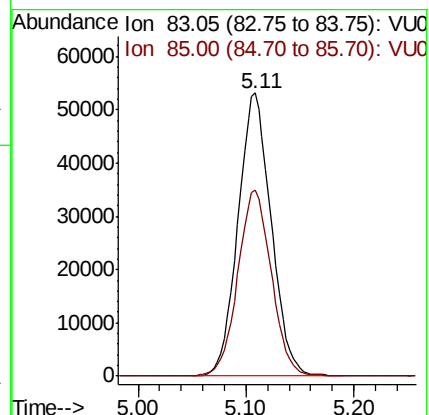
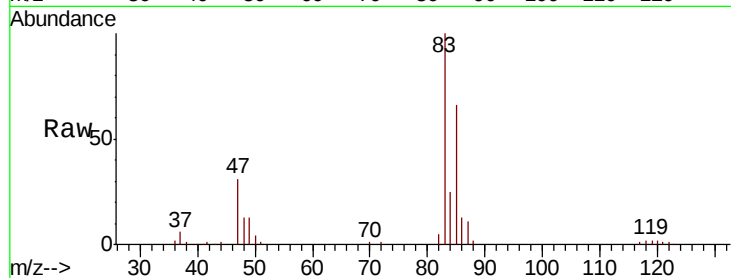
VSTD00522

Tot Ion: 83 Resp: 113528

Ion Ratio Lower Upper

83 100

85 65.7 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.006 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040576.D

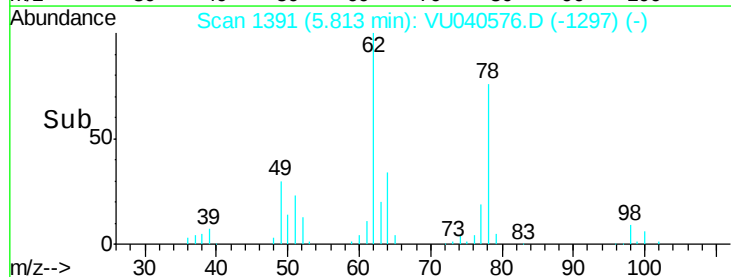
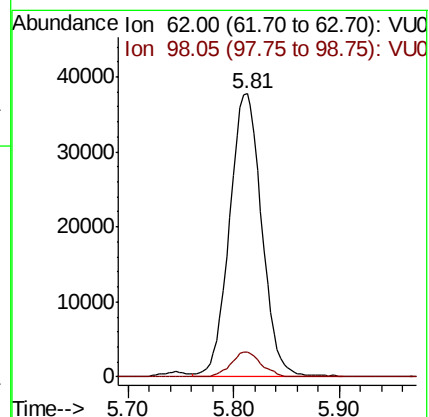
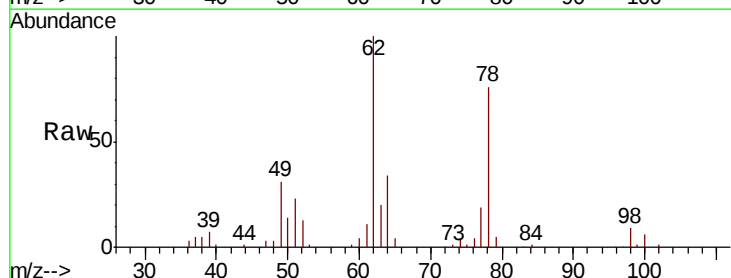
Acq: 08 Oct 2020 20:58

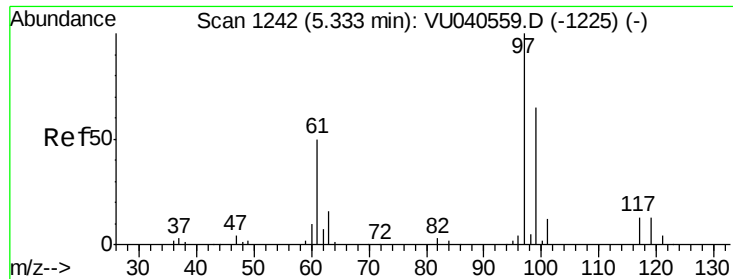
Tgt Ion: 62 Resp: 80015

Ion Ratio Lower Upper

62 100

98 8.9 6.6 10.0

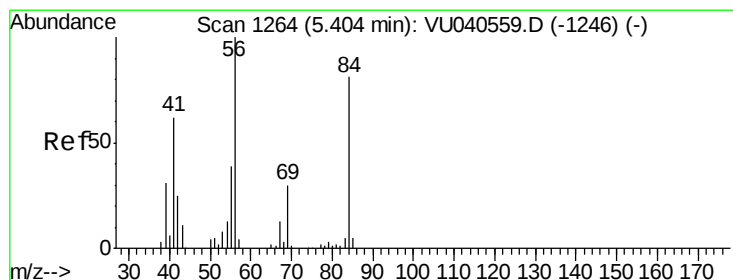
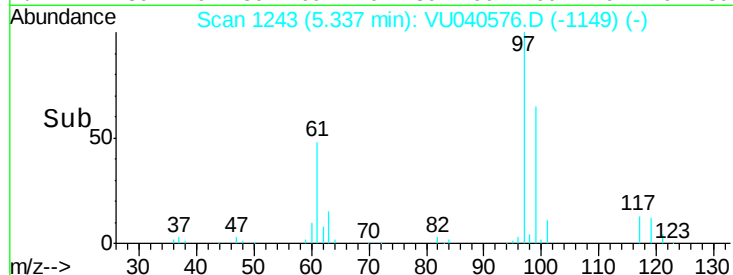
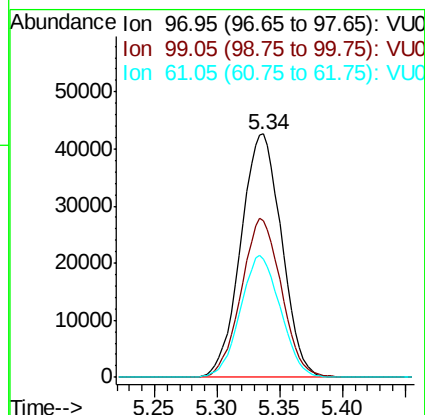
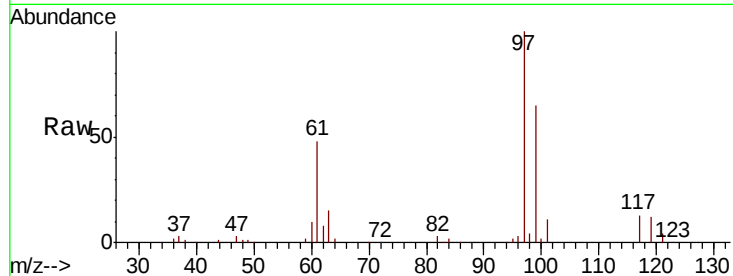




#29
 1,1,1-Trichloroethane
 Concen: 4.934 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

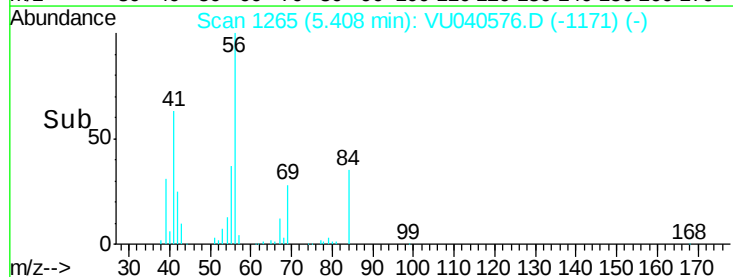
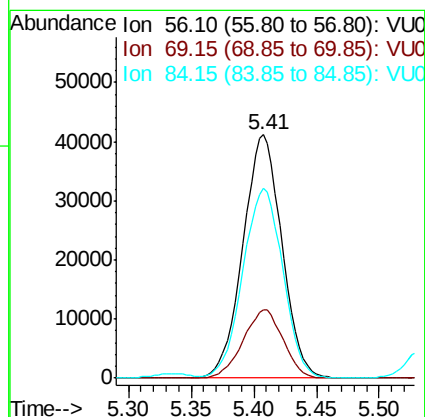
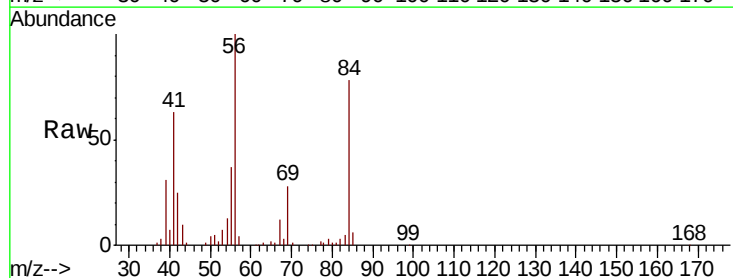
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

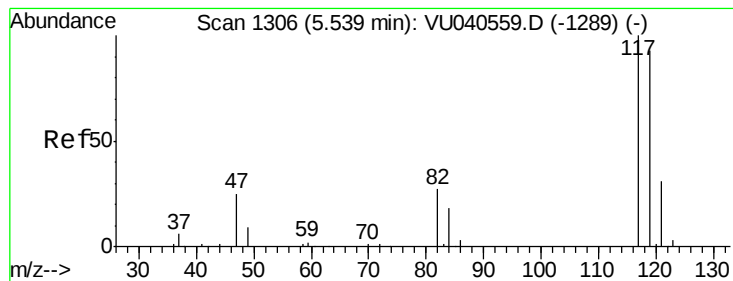
Tot Ion: 97 Resp: 96287
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.3 76.9
 61 49.3 39.4 59.2



#30
 Cyclohexane
 Concen: 4.940 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

Tgt Ion: 56 Resp: 88834
 Ion Ratio Lower Upper
 56 100
 69 28.6 23.8 35.8
 84 80.3 64.0 96.0





#31

Carbon tetrachloride

Concen: 4.947 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

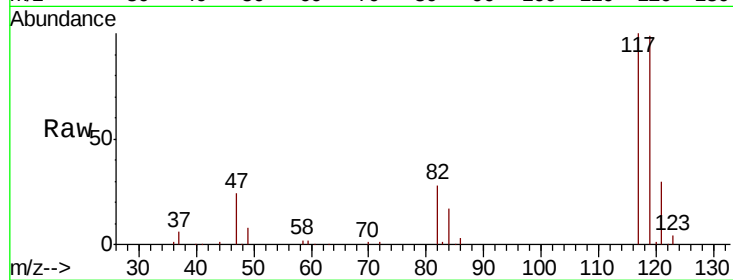
VSTD00522

Tot Ion:117 Resp: 82619

Ion Ratio Lower Upper

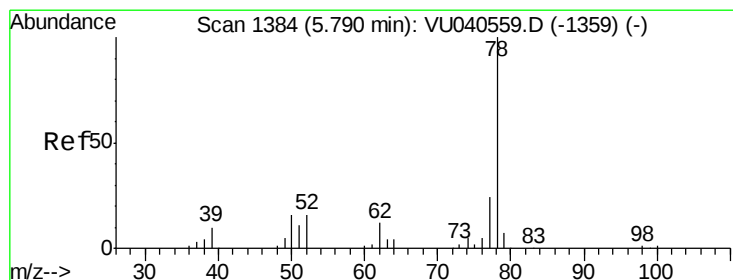
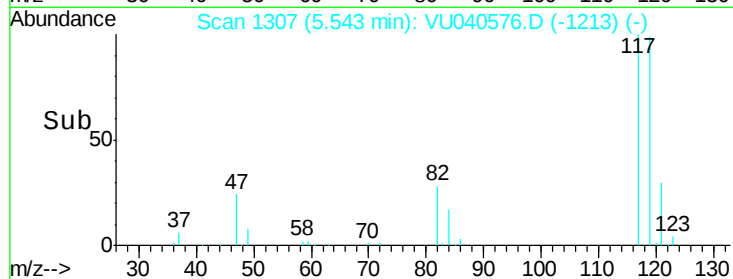
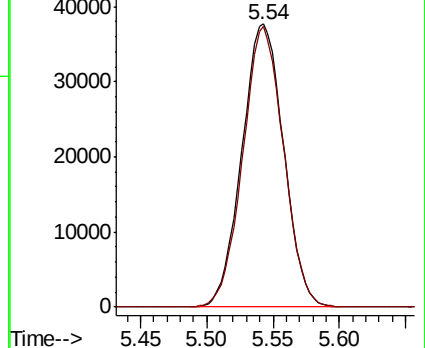
117 100

119 96.7 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.994 ug/L

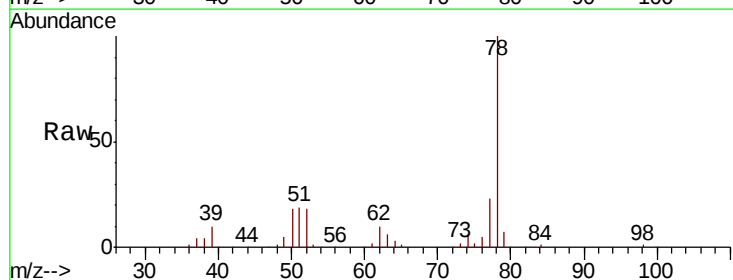
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

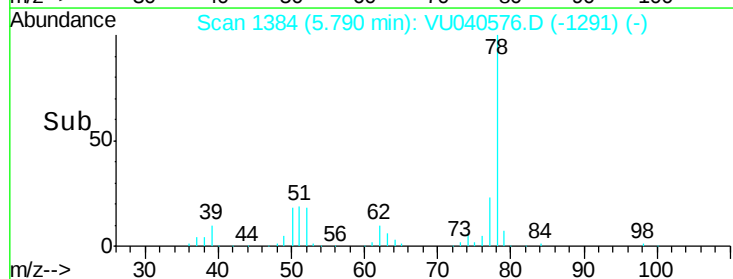
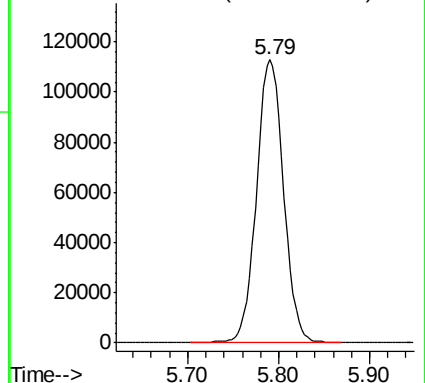
Lab File: VU040576.D

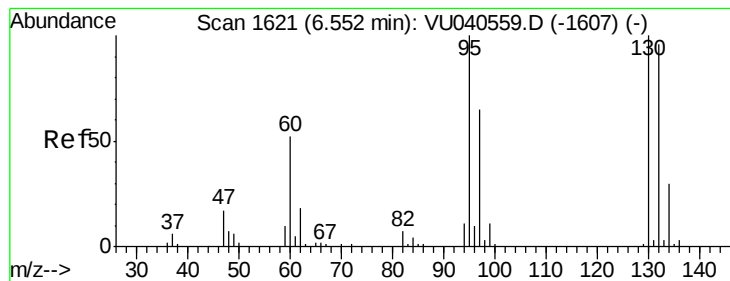
Acq: 08 Oct 2020 20:58

Tgt Ion: 78 Resp: 233042



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.954 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

Tot Ion: 95 Resp: 59915

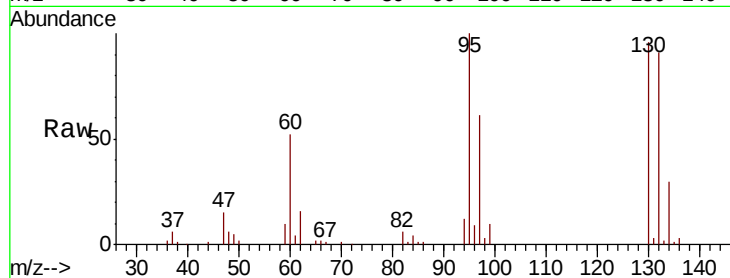
Ion Ratio Lower Upper

95 100

97 61.1 45.5 84.5

132 90.5 67.5 125.4

130 95.8 69.9 129.9

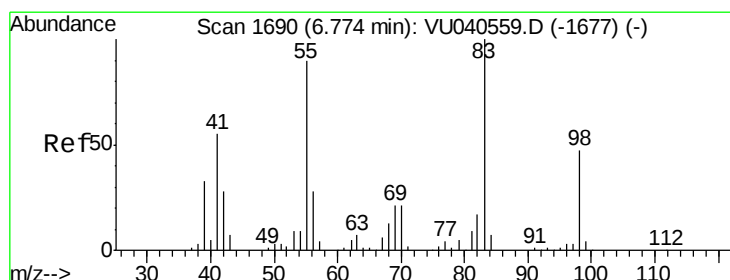
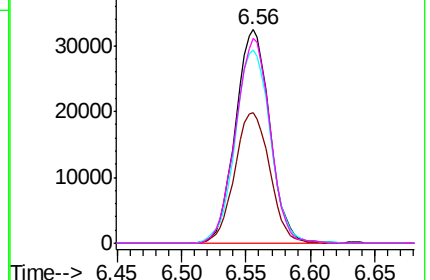
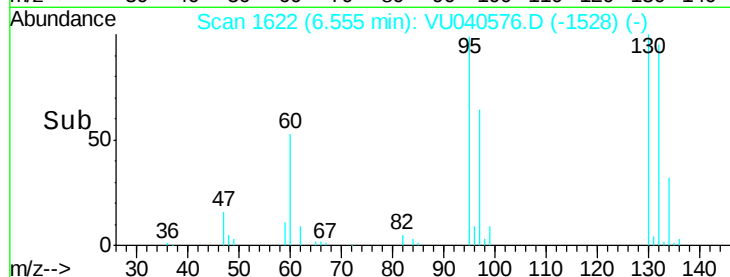


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.990 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

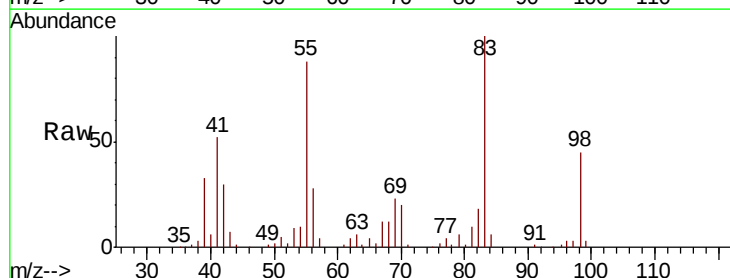
Tgt Ion: 83 Resp: 85578

Ion Ratio Lower Upper

83 100

55 86.2 70.7 106.1

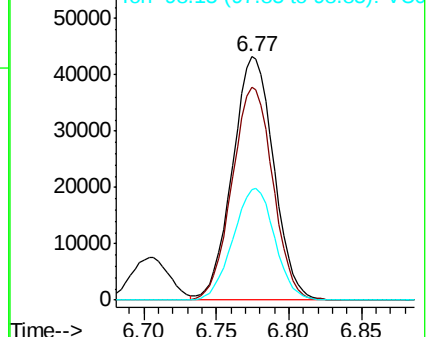
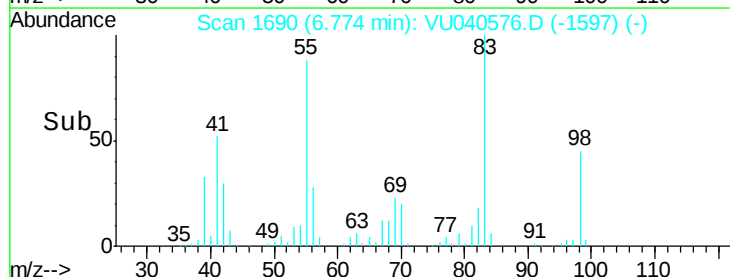
98 46.1 38.4 57.6

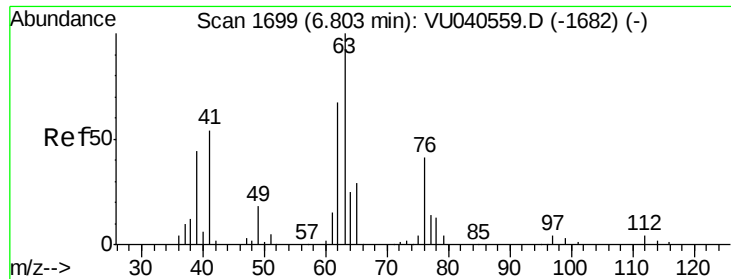


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

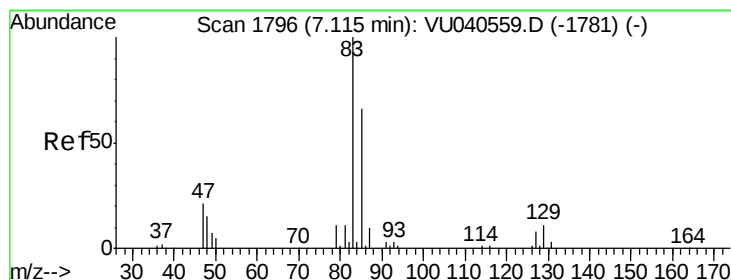
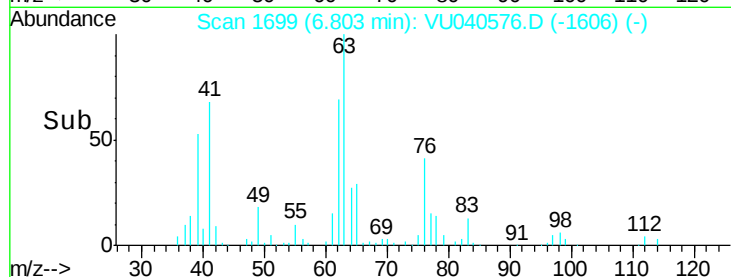
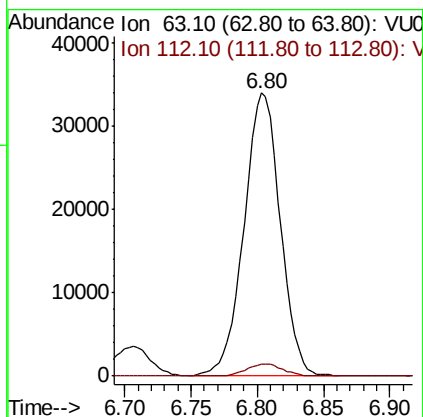
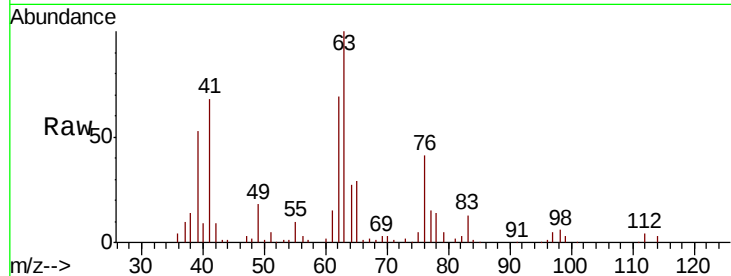




#37
 1,2-Dichloropropane
 Concen: 4.988 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

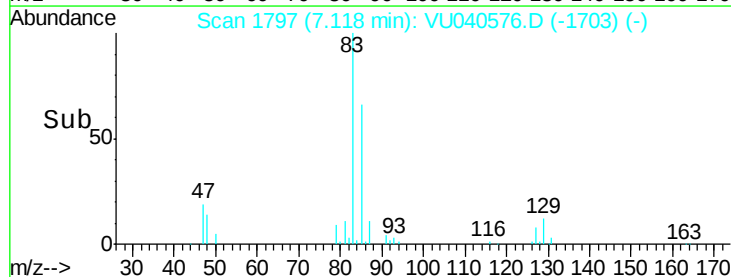
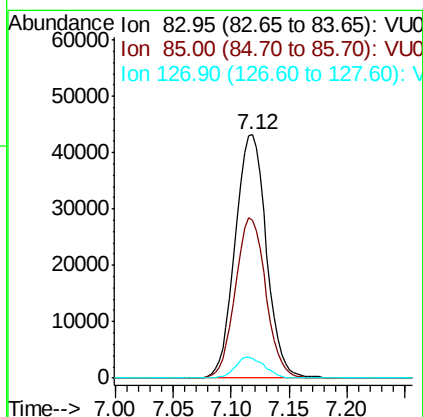
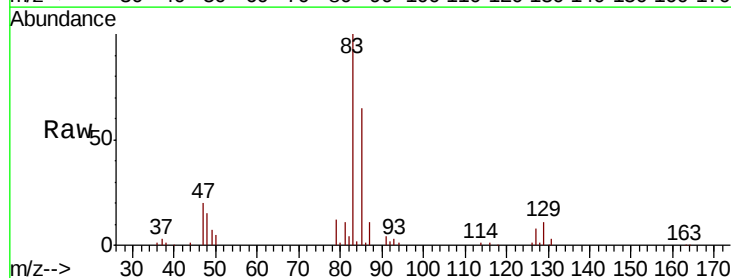
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

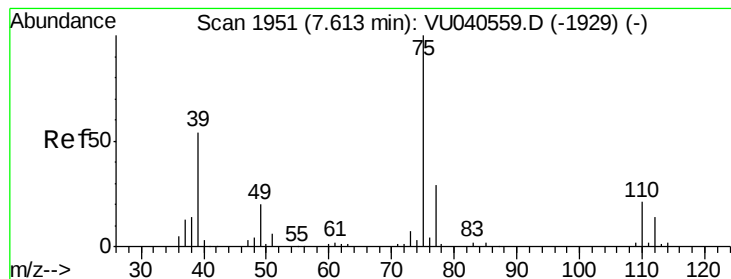
Tot Ion: 63 Resp: 64844
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.869 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

Tgt Ion: 83 Resp: 80920
 Ion Ratio Lower Upper
 83 100
 85 65.0 46.0 85.4
 127 7.9 6.7 10.1



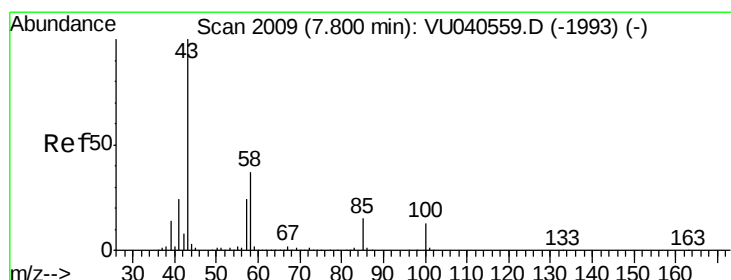
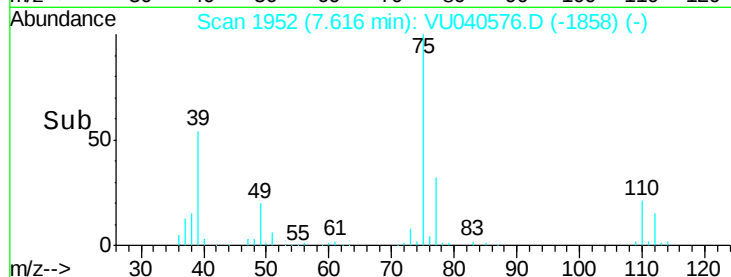
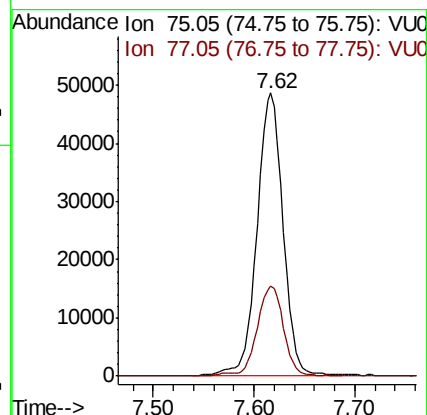
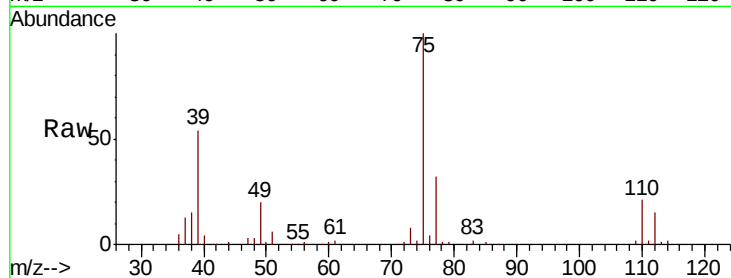


#39

cis-1,3-Dichloropropene
 Concen: 4.887 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00522

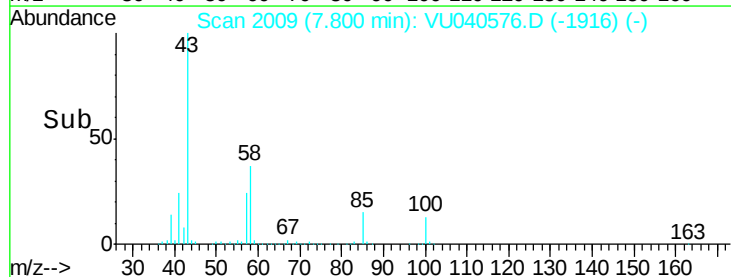
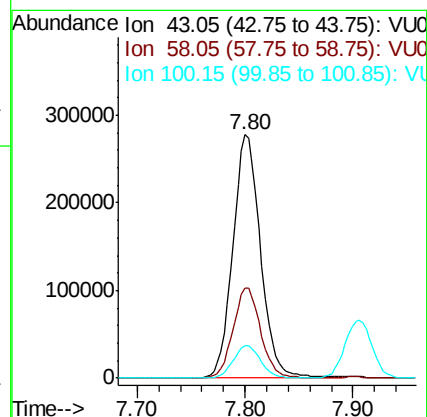
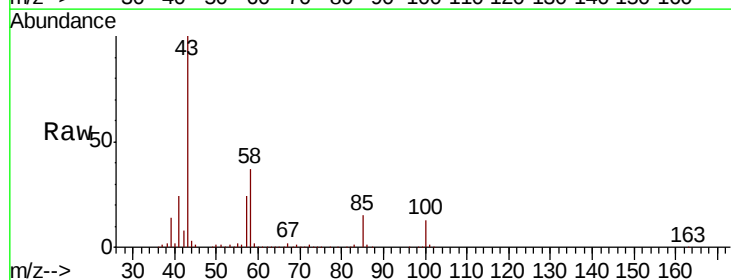
Tot Ion: 75 Resp: 86809
 Ion Ratio Lower Upper
 75 100
 77 31.8 20.5 38.1

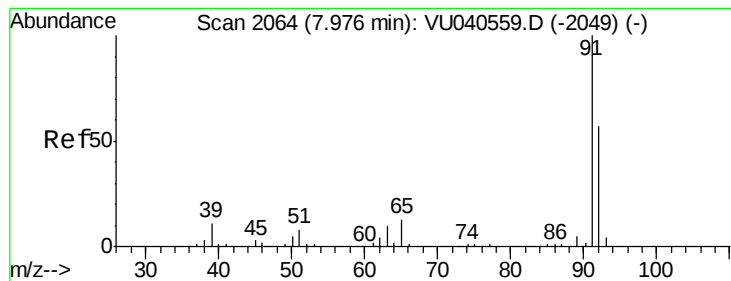


#40

4-Methyl-2-pentanone
 Concen: 48.018 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

Tgt Ion: 43 Resp: 497697
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.7 44.5
 100 13.4 10.7 16.1





#42

Toluene

Concen: 5.046 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

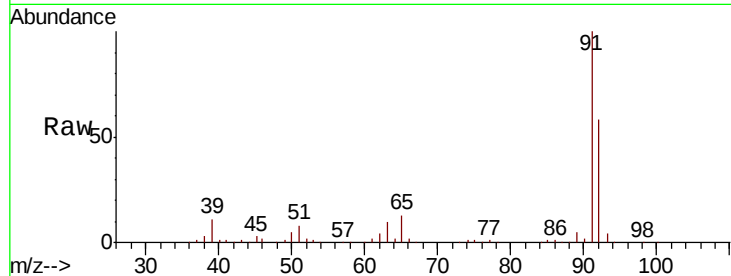
VSTD00522

Tot Ion: 91 Resp: 239914

Ion Ratio Lower Upper

91 100

92 57.9 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040559.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040559.D (-2049) (-)

7.98

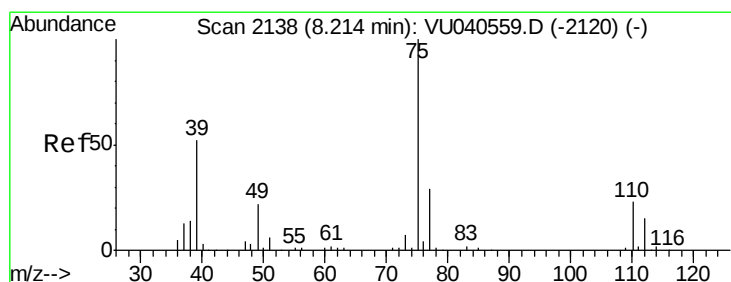
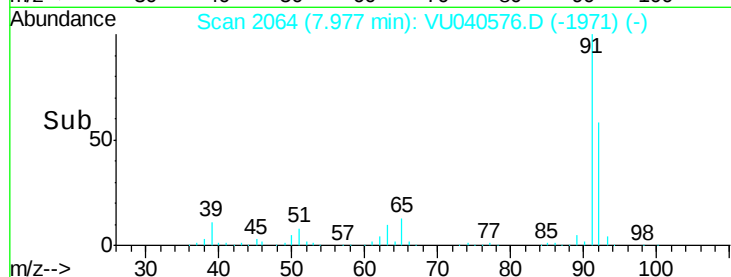
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.895 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040576.D

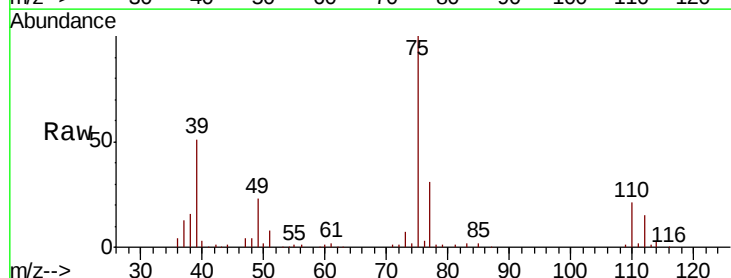
Acq: 08 Oct 2020 20:58

Tgt Ion: 75 Resp: 80043

Ion Ratio Lower Upper

75 100

77 31.4 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040559.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040559.D (-2120) (-)

8.22

50000

40000

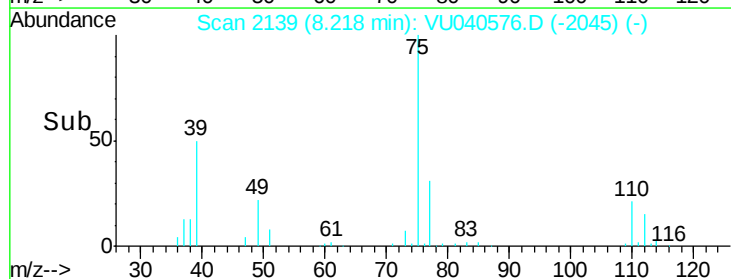
30000

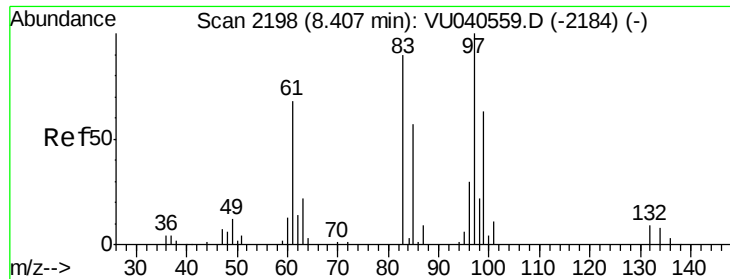
20000

10000

0

Time-->

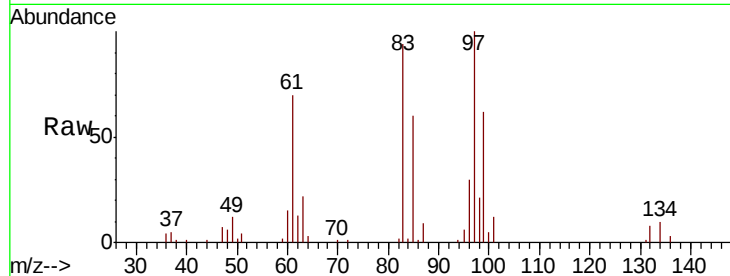




#45
 1,1,2-Trichloroethane
 Concen: 4.826 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion:	97	Resp:	46991
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.0	81.6
83	94.5	62.9	116.9
85	60.0	40.3	74.8



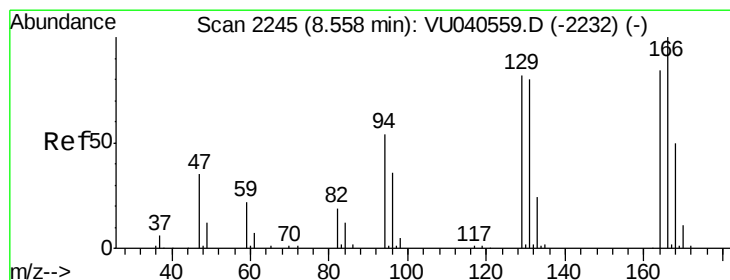
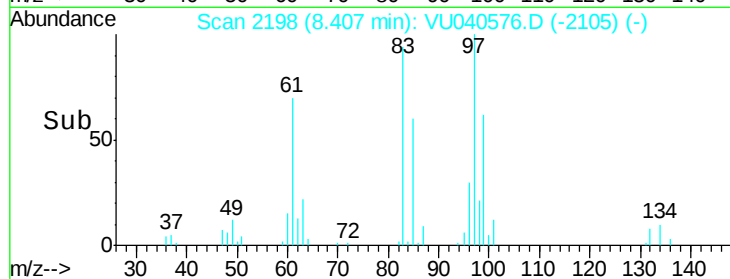
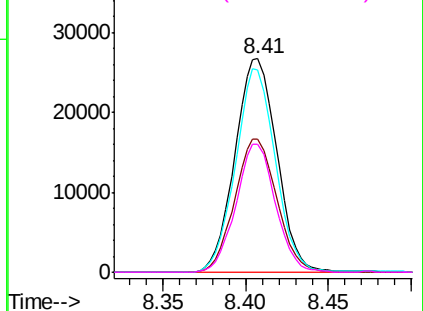
Abundance

Ion 96.95 (96.65 to 97.65): VU040576.D (-2105) (-)

Ion 99.05 (98.75 to 99.75): VU040576.D (-2105) (-)

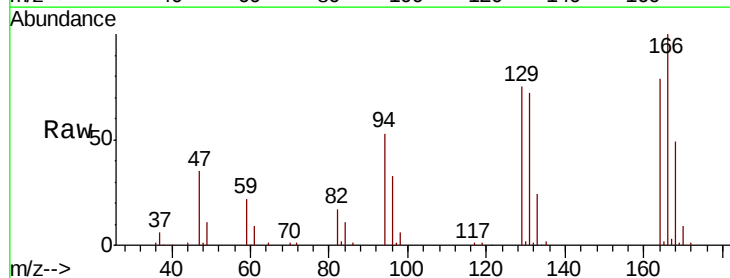
Ion 82.95 (82.65 to 83.65): VU040576.D (-2105) (-)

Ion 85.00 (84.70 to 85.70): VU040576.D (-2105) (-)



#47
 Tetrachloroethene
 Concen: 5.060 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

Tgt Ion:	164	Resp:	43662
Ion	Ratio	Lower	Upper
164	100		
129	96.1	68.8	127.8
131	92.2	66.7	123.9
166	127.3	83.9	155.7



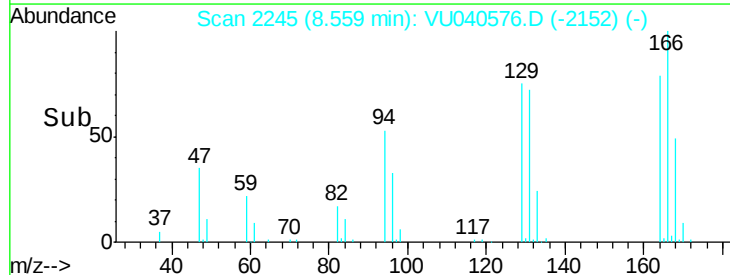
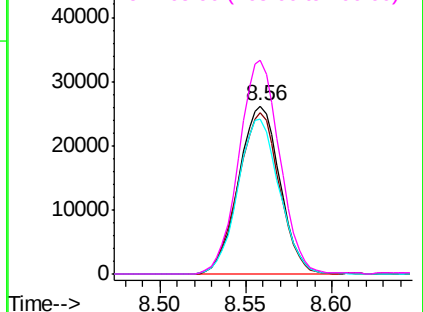
Abundance

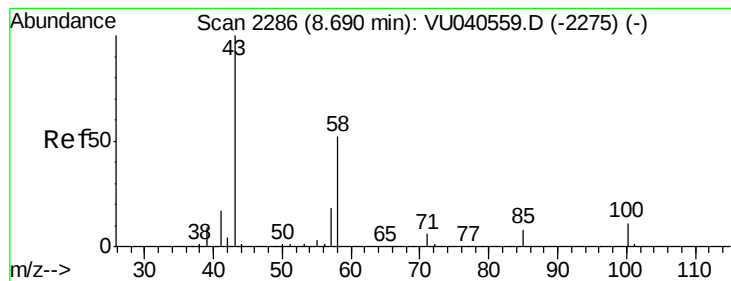
Ion 163.90 (163.60 to 164.60): VU040576.D (-2152) (-)

Ion 128.95 (128.65 to 129.65): VU040576.D (-2152) (-)

Ion 130.95 (130.65 to 131.65): VU040576.D (-2152) (-)

Ion 165.90 (165.60 to 166.60): VU040576.D (-2152) (-)





#48

2-Hexanone

Concen: 48.352 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

Tot Ion: 43 Resp: 373119

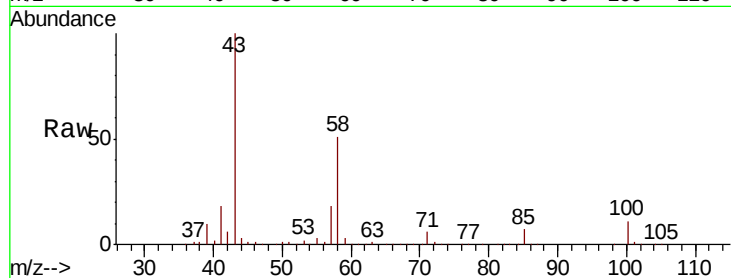
Ion Ratio Lower Upper

43 100

58 51.5 41.0 61.6

57 18.2 14.4 21.6

100 10.6 8.6 13.0

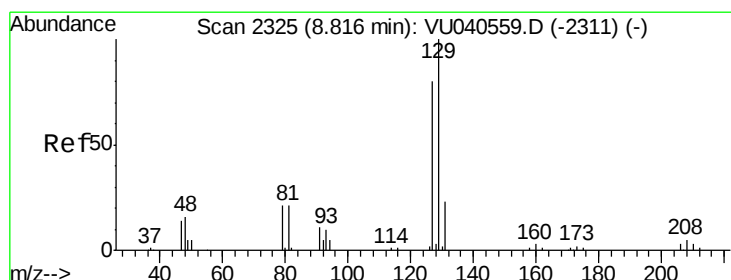
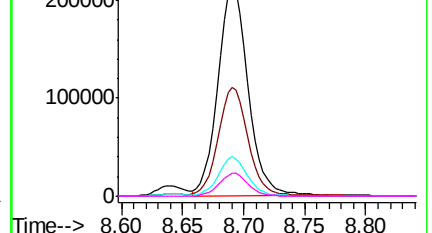
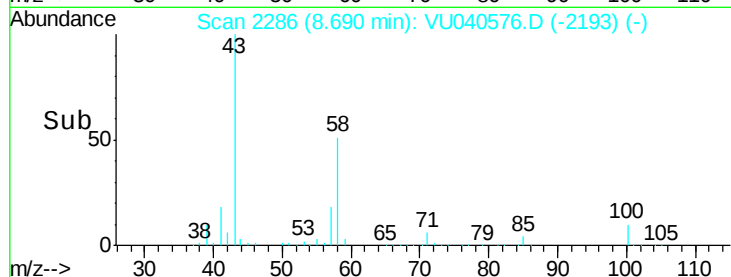


Abundance Ion 43.05 (42.75 to 43.75): VU040559.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU040559.D (-2275) (-)

Ion 57.20 (56.90 to 57.90): VU040559.D (-2275) (-)

Ion 100.15 (99.85 to 100.85): VU040559.D (-2275) (-)



#49

Dibromochloromethane

Concen: 4.934 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040576.D

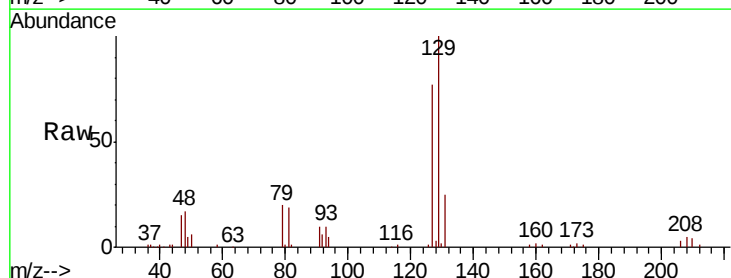
Acq: 08 Oct 2020 20:58

Tgt Ion: 129 Resp: 55281

Ion Ratio Lower Upper

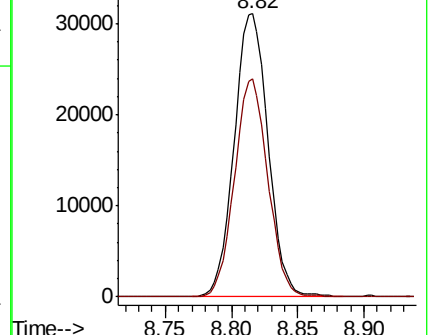
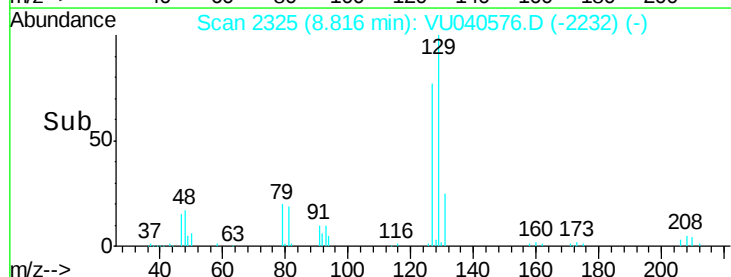
129 100

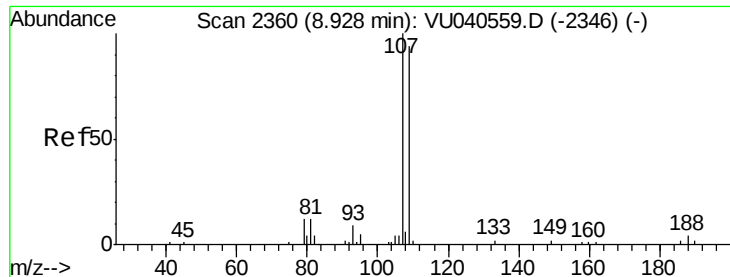
127 76.9 55.8 103.6



Abundance Ion 128.95 (128.65 to 129.65): VU040559.D (-2311) (-)

Ion 126.90 (126.60 to 127.60): VU040559.D (-2311) (-)

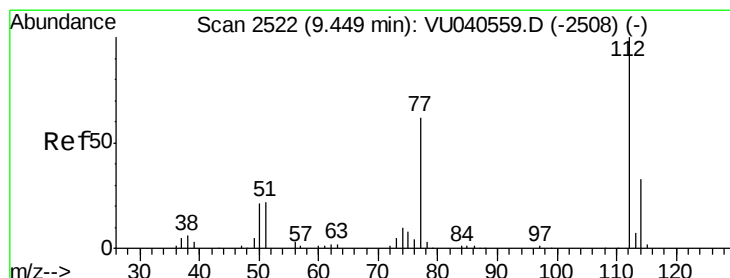
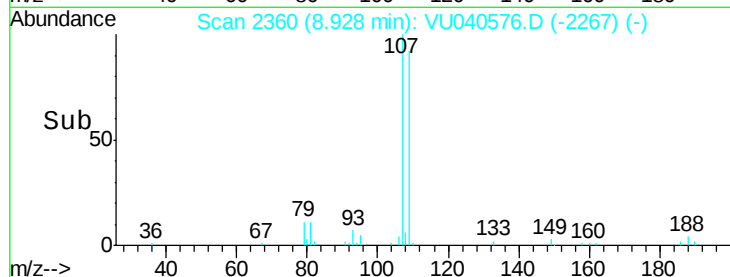
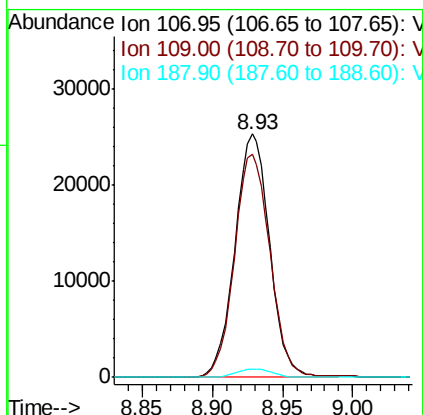
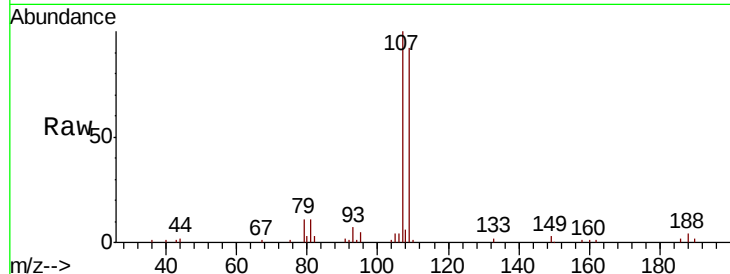




#50
 1,2-Dibromoethane
 Concen: 4.732 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

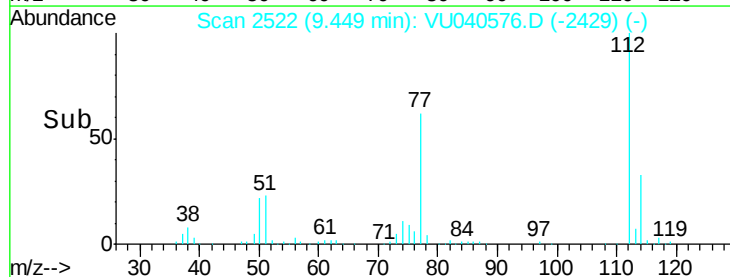
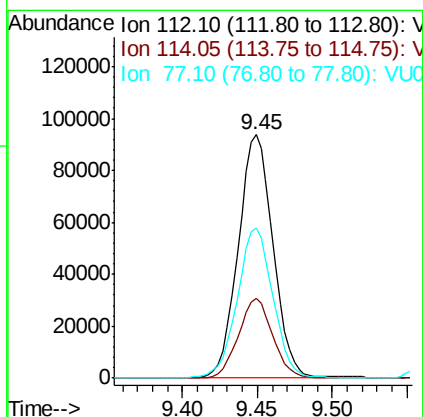
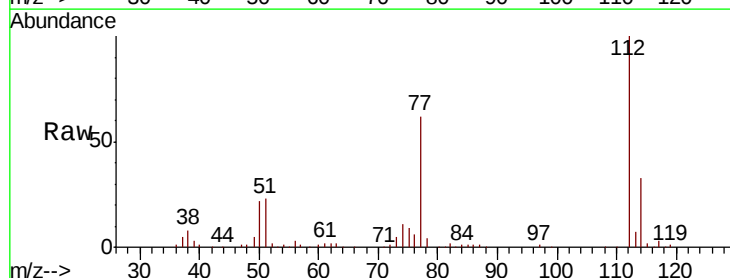
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

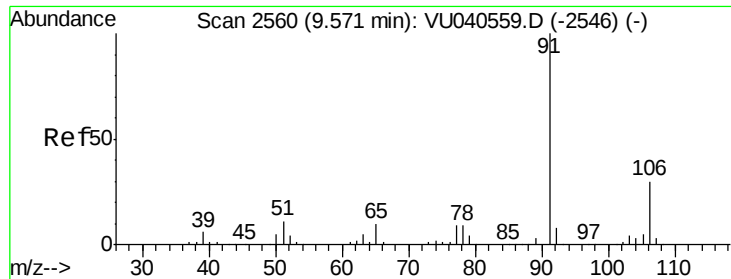
Tot Ion:107 Resp: 43704
 Ion Ratio Lower Upper
 107 100
 109 91.9 65.7 121.9
 188 3.6 3.0 4.4



#51
 Chlorobenzene
 Concen: 4.849 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

Tgt Ion:112 Resp: 151861
 Ion Ratio Lower Upper
 112 100
 114 32.7 23.1 42.9
 77 61.9 50.3 75.5





#52

Ethylbenzene

Concen: 5.066 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

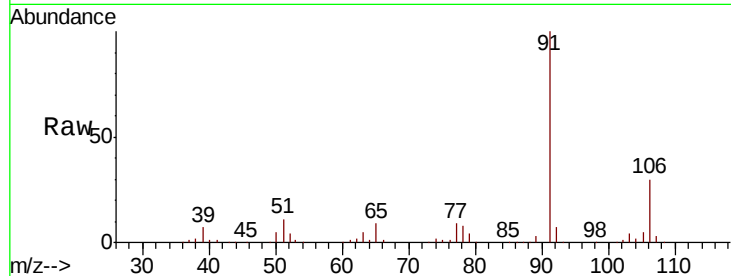
VSTD00522

Tot Ion: 91 Resp: 260695

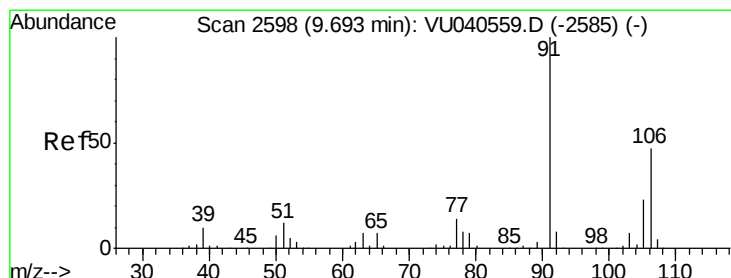
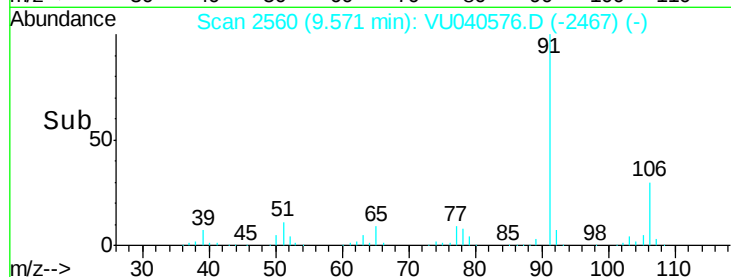
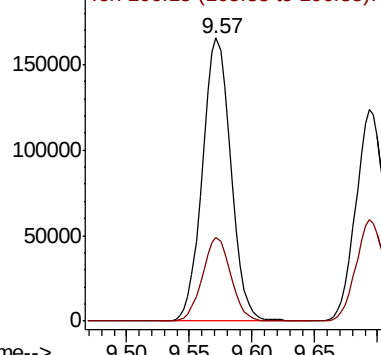
Ion Ratio Lower Upper

91 100

106 29.7 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040559.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.190 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040576.D

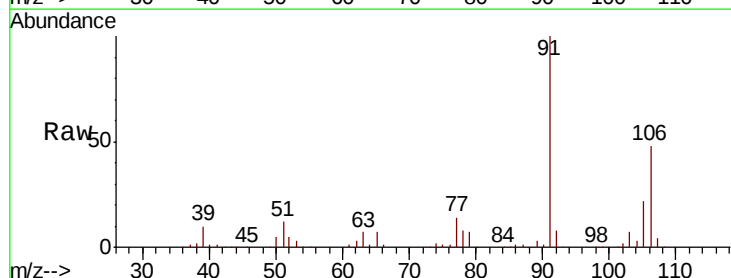
Acq: 08 Oct 2020 20:58

Tgt Ion: 106 Resp: 97339

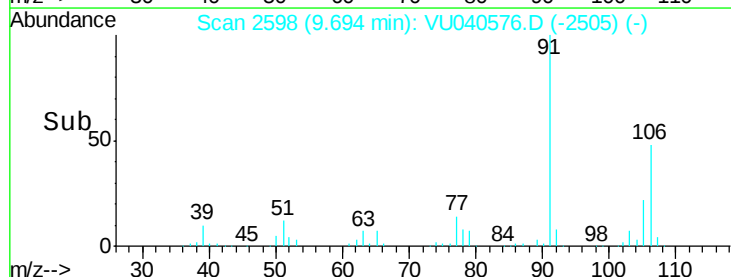
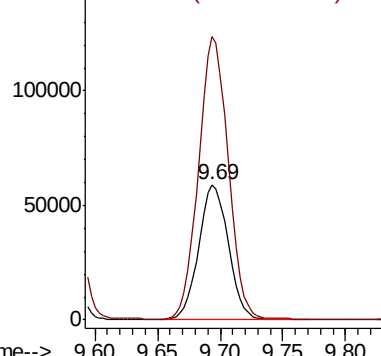
Ion Ratio Lower Upper

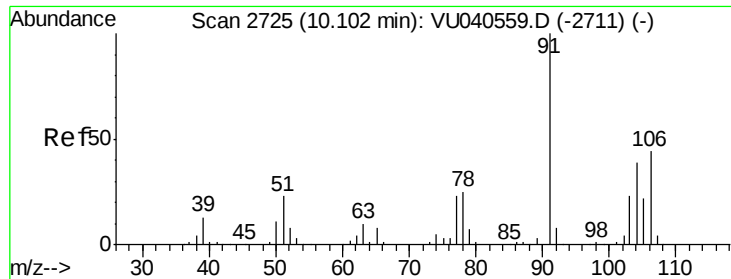
106 100

91 209.4 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040559.D (-2585) (-)

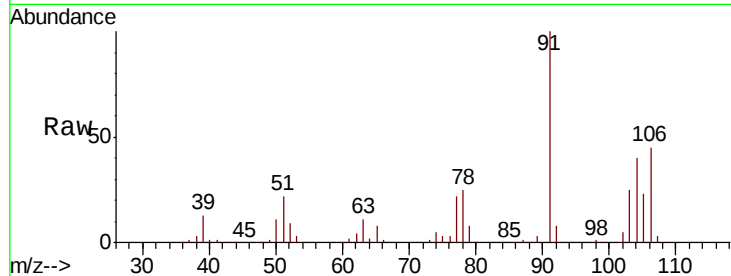




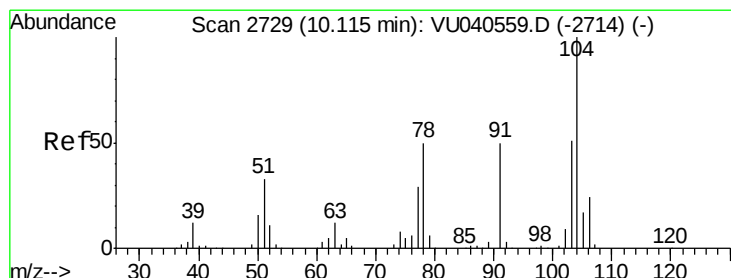
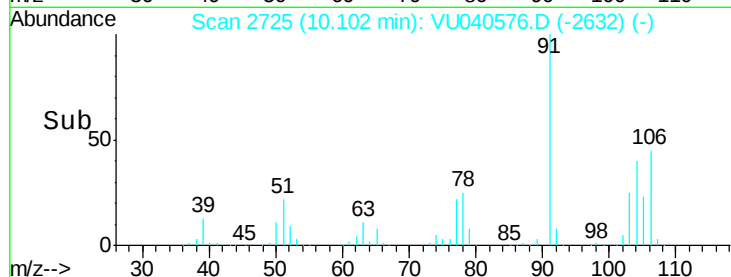
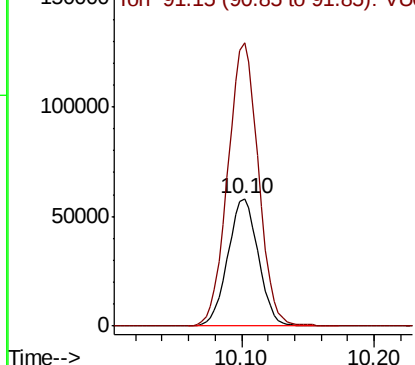
#54
o-Xylene
Concen: 5.168 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040576.D
Acq: 08 Oct 2020 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion:106 Resp: 93221
Ion Ratio Lower Upper
106 100
91 222.2 160.2 297.4

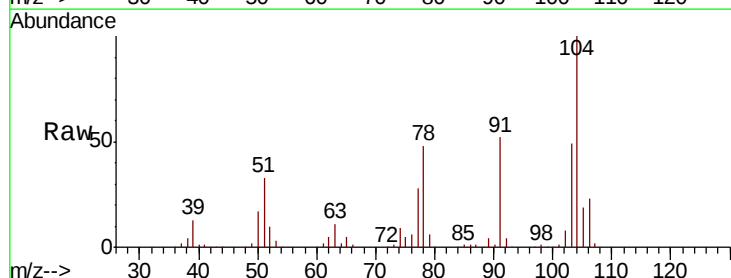


Abundance Ion 106.15 (105.85 to 106.85): V
150000 Ion 91.15 (90.85 to 91.85): VU0

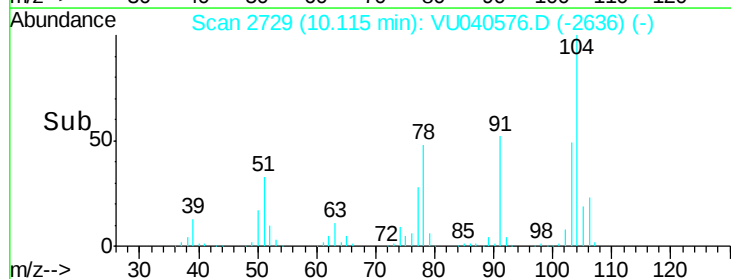
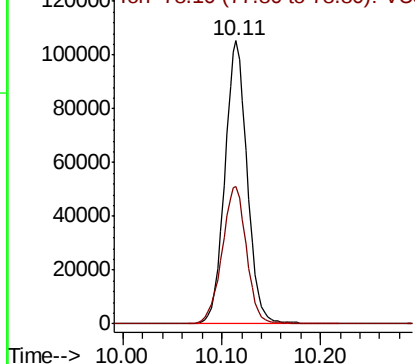


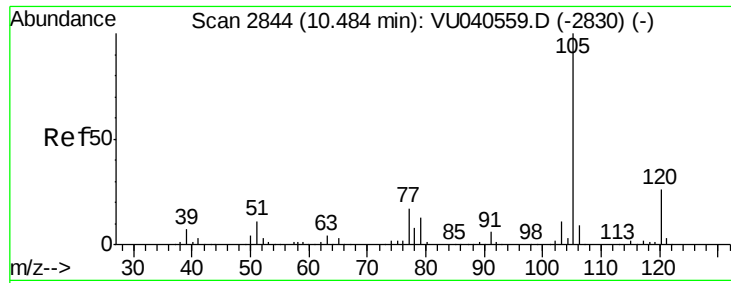
#55
Styrene
Concen: 5.348 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040576.D
Acq: 08 Oct 2020 20:58

Tgt Ion:104 Resp: 167526
Ion Ratio Lower Upper
104 100
78 48.4 34.6 64.3



Abundance Ion 104.10 (103.80 to 104.80): V
120000 Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.112 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampled :

VSTD00522

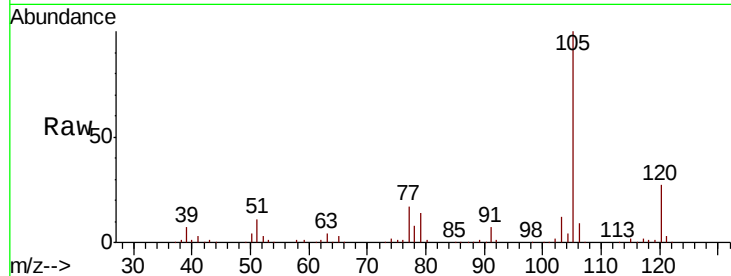
Tot Ion:105 Resp: 248233

Ion Ratio Lower Upper

105 100

120 26.3 20.6 30.8

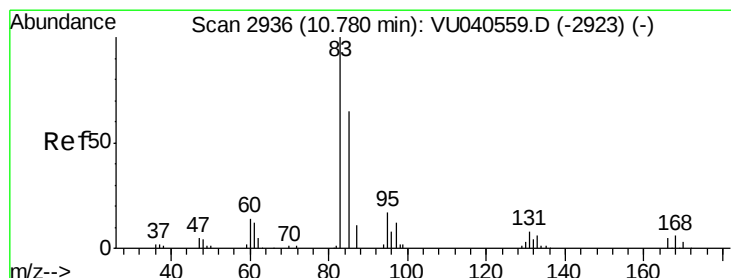
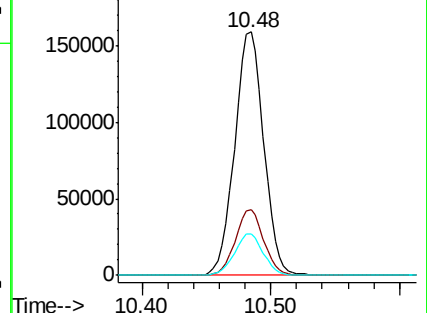
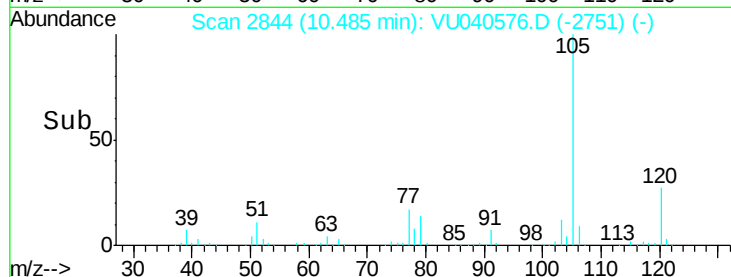
77 16.8 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.707 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

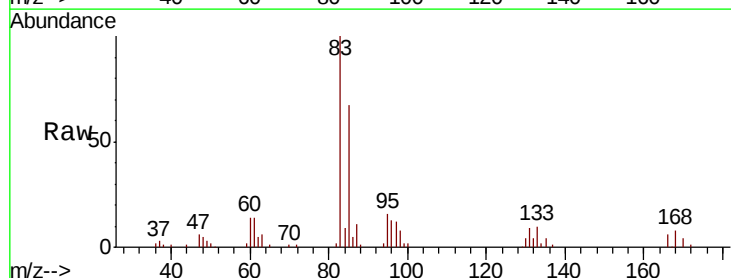
Tgt Ion: 83 Resp: 60179

Ion Ratio Lower Upper

83 100

85 66.6 45.6 84.6

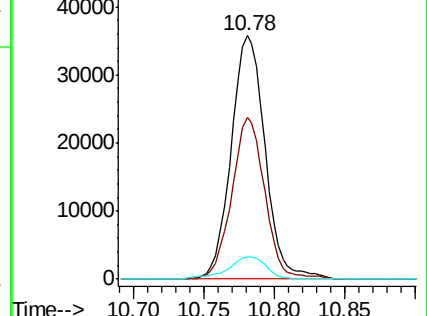
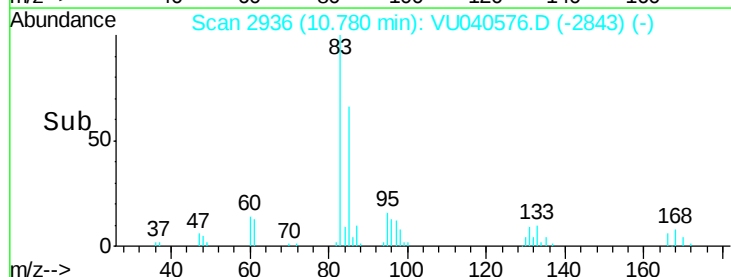
131 9.3 7.1 10.7

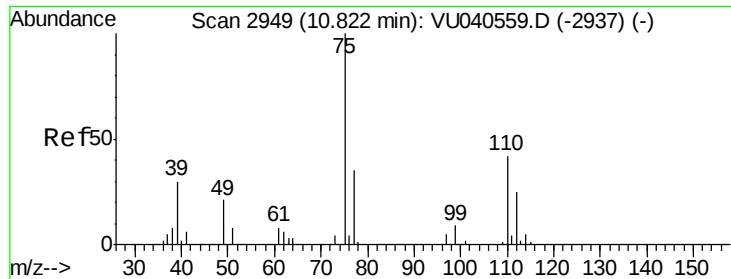


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.658 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

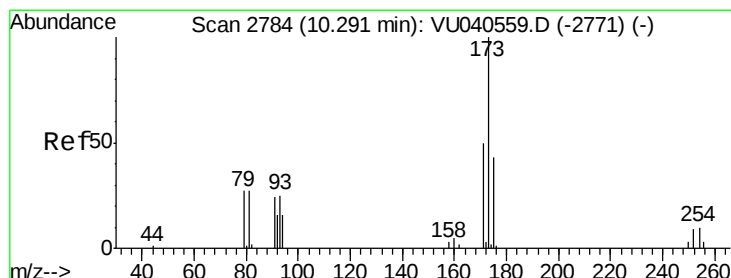
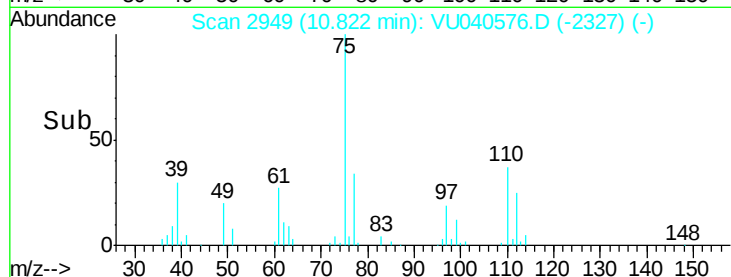
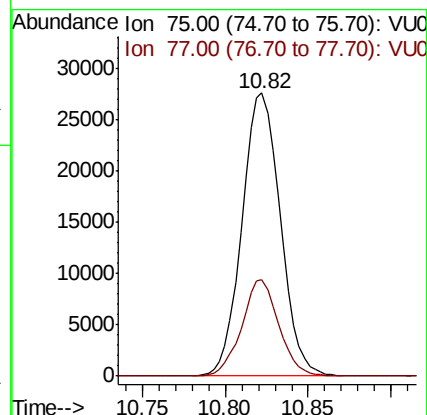
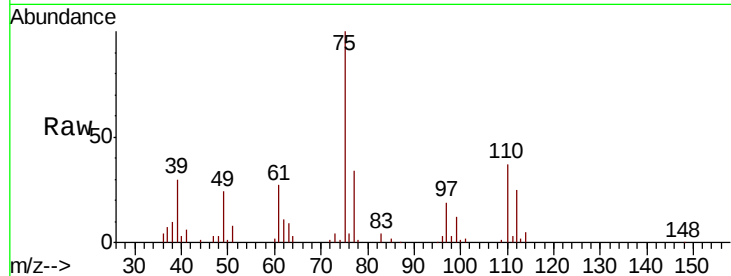
VSTD00522

Tot Ion: 75 Resp: 44486

Ion Ratio Lower Upper

75 100

77 32.8 26.4 39.6



#61

Bromoform

Concen: 4.730 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

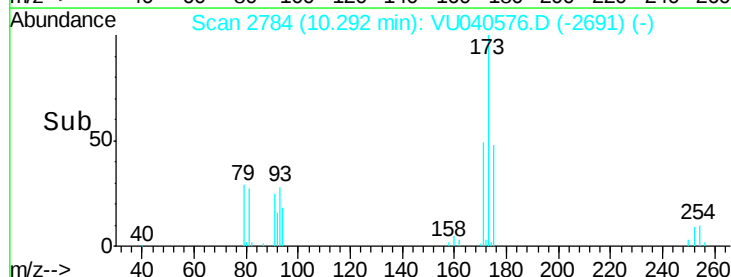
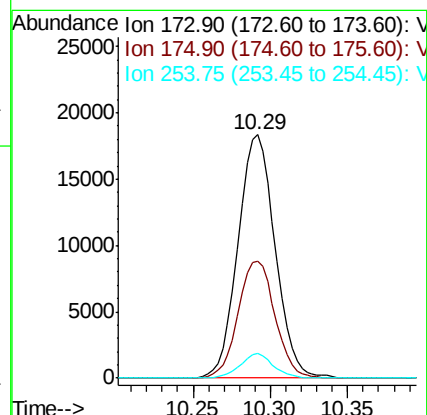
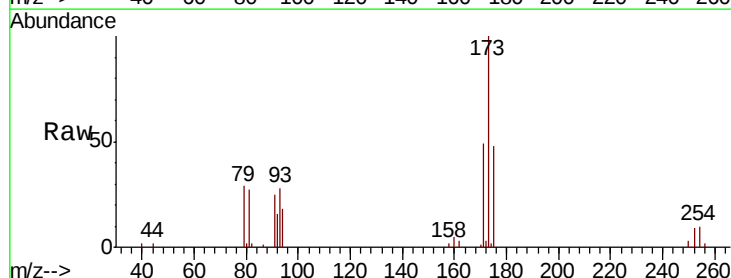
Tgt Ion: 173 Resp: 30591

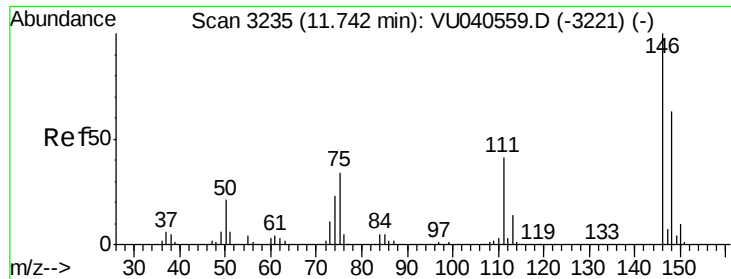
Ion Ratio Lower Upper

173 100

175 47.6 37.4 56.0

254 8.8 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 5.000 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

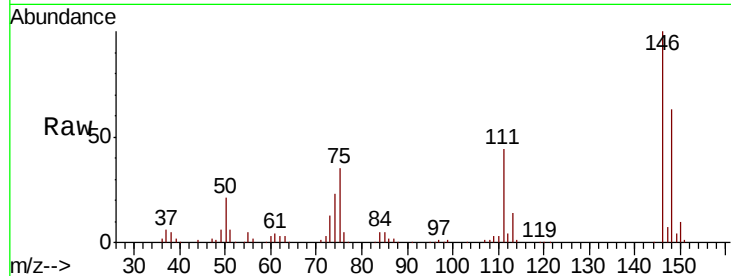
Tot Ion:146 Resp: 123470

Ion Ratio Lower Upper

146 100

111 43.8 28.8 53.6

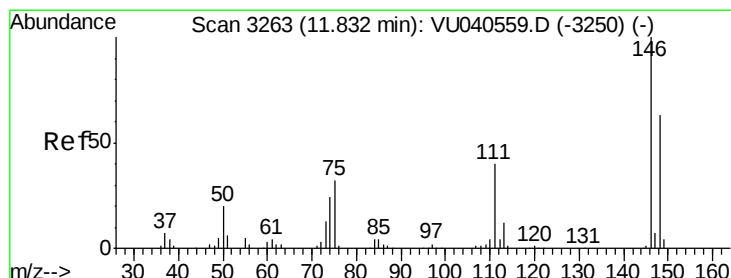
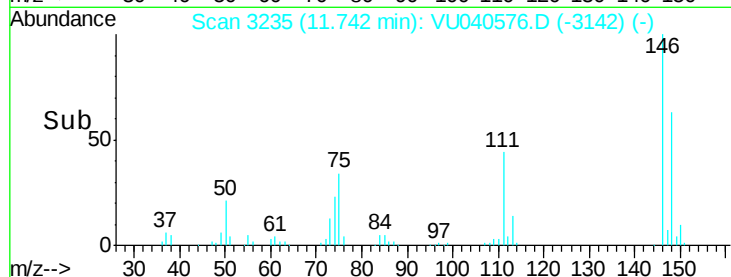
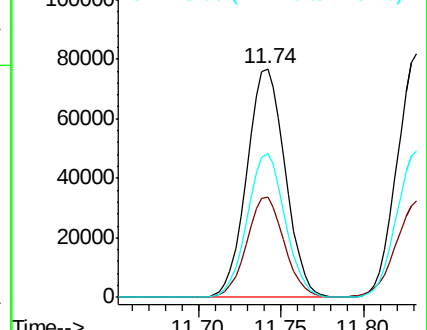
148 62.8 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.005 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

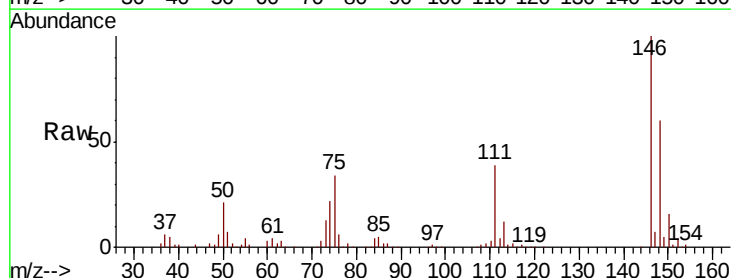
Tgt Ion:146 Resp: 127447

Ion Ratio Lower Upper

146 100

111 39.3 28.4 52.8

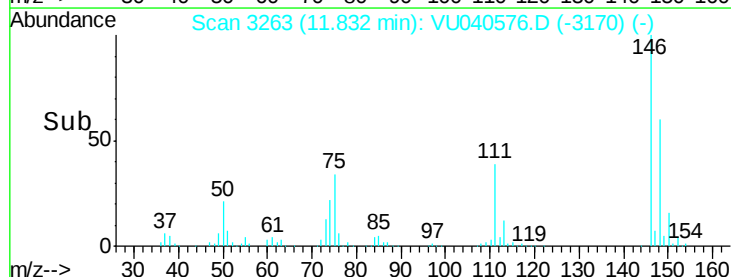
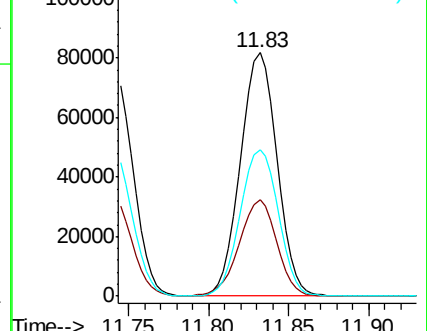
148 59.9 44.0 81.6

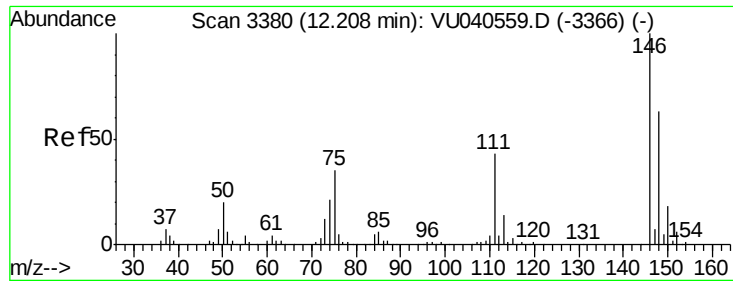


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.944 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

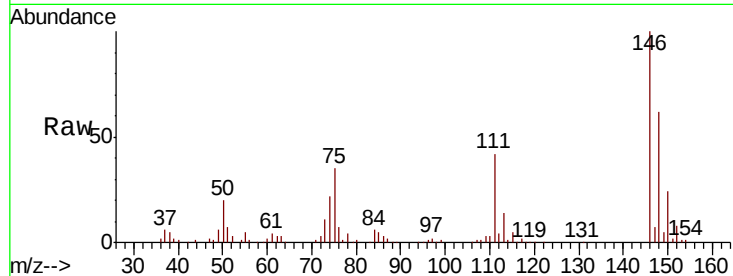
Tot Ion:146 Resp: 119374

Ion Ratio Lower Upper

146 100

111 42.4 34.4 51.6

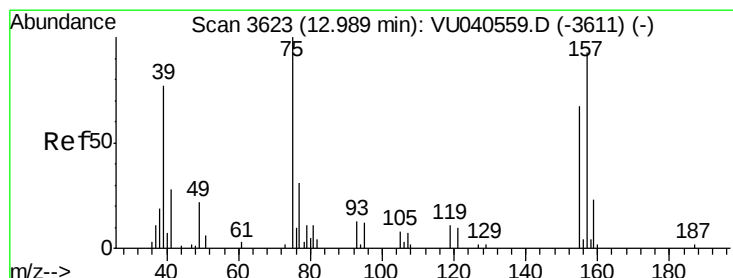
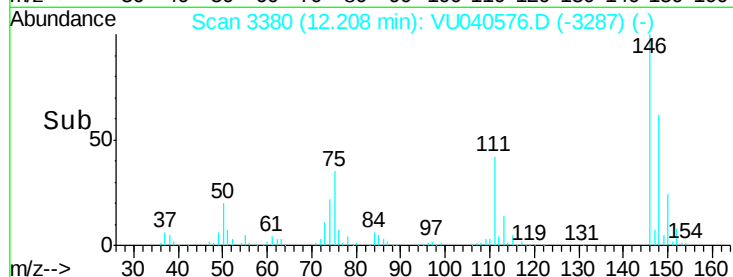
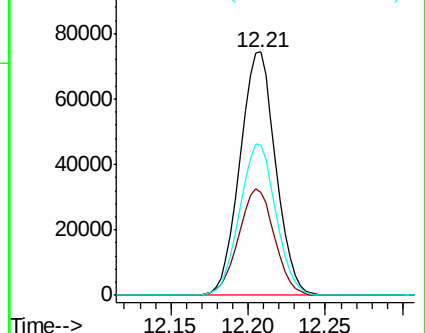
148 61.7 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.590 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

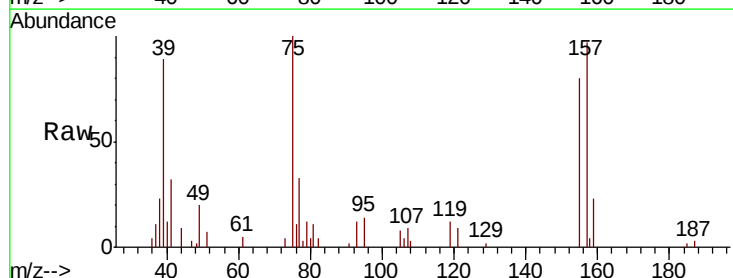
Tgt Ion: 75 Resp: 9703

Ion Ratio Lower Upper

75 100

155 80.2 53.8 80.6

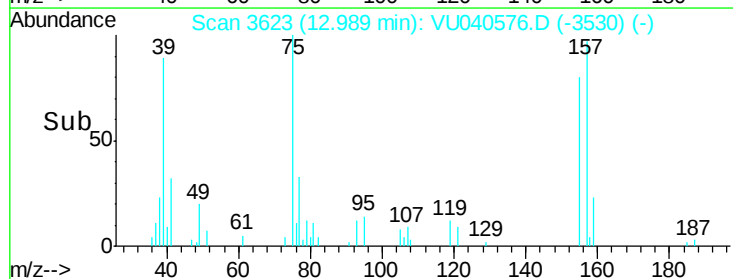
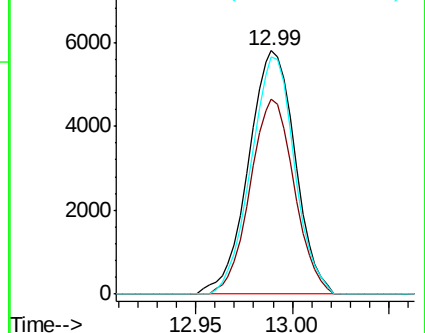
157 97.2 74.6 112.0

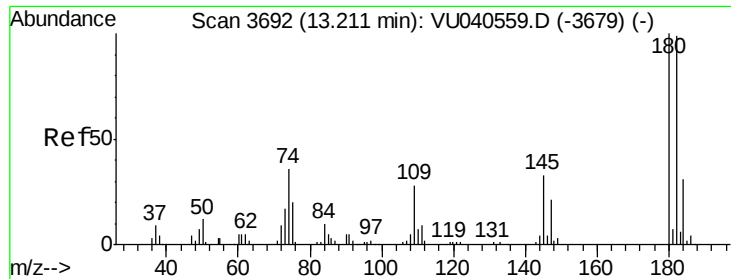


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

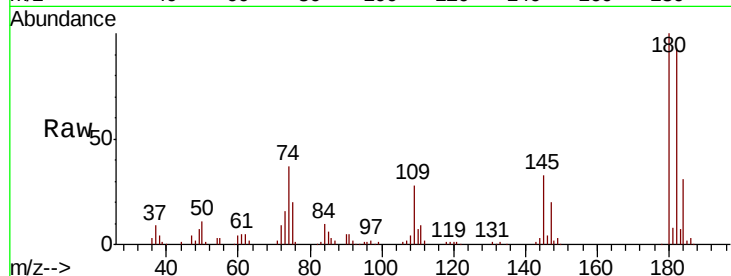




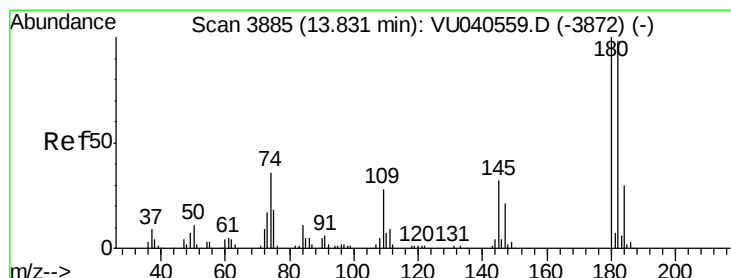
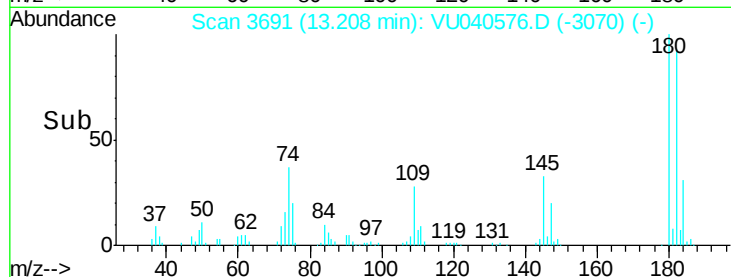
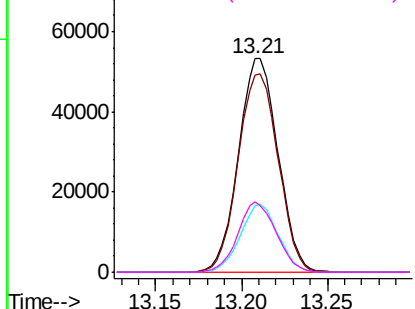
#67
 1,3,5-Trichlorobenzene
 Concen: 4.861 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion:180 Resp: 85171
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.0 115.4
 184 30.3 24.5 36.7
 145 31.8 25.9 38.9

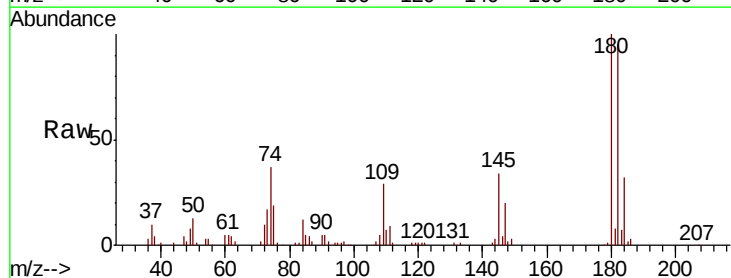


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

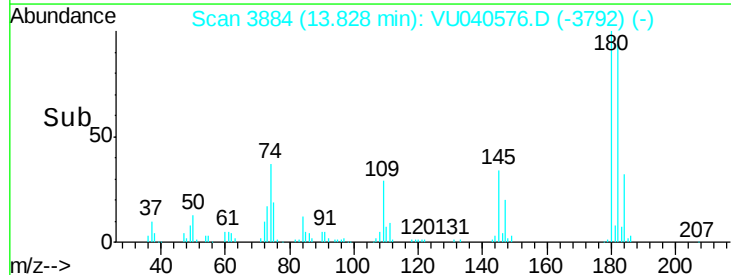
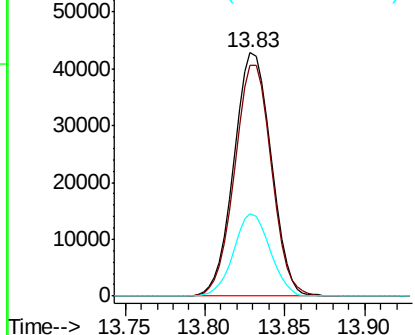


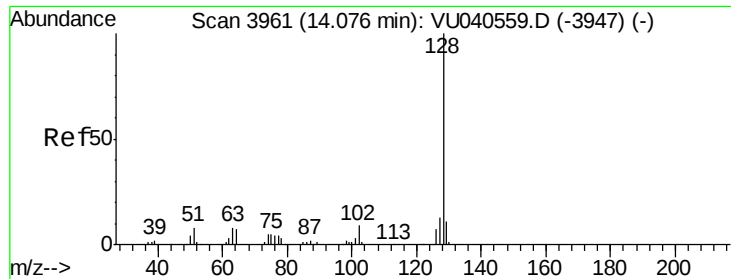
#68
 1,2,4-trichlorobenzene
 Concen: 5.027 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040576.D
 Acq: 08 Oct 2020 20:58

Tgt Ion:180 Resp: 68064
 Ion Ratio Lower Upper
 180 100
 182 93.7 78.8 118.2
 145 32.8 26.1 39.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.931 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

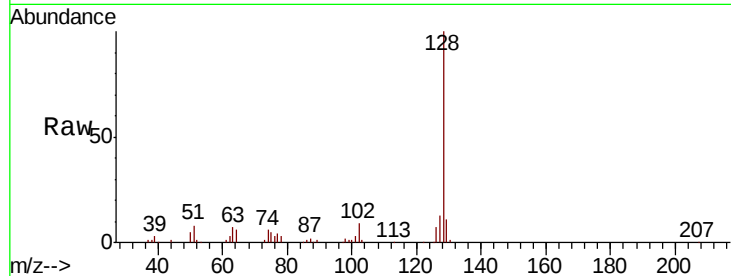
Tot Ion:128 Resp: 109206

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.4

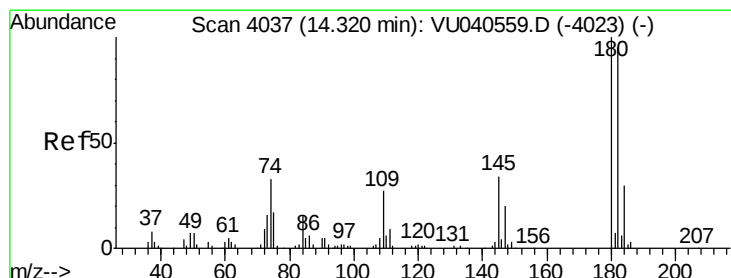
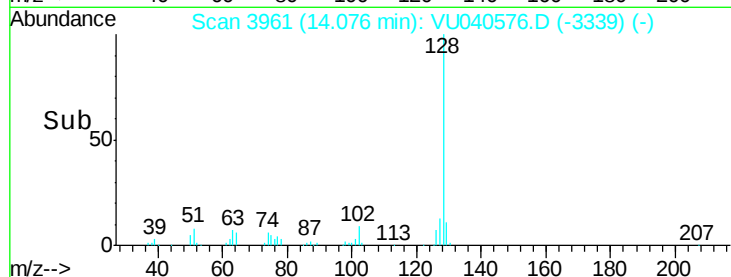
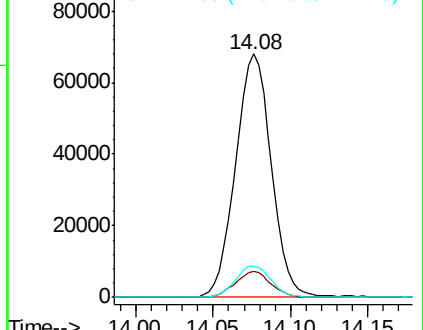
127 12.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.979 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040576.D

Acq: 08 Oct 2020 20:58

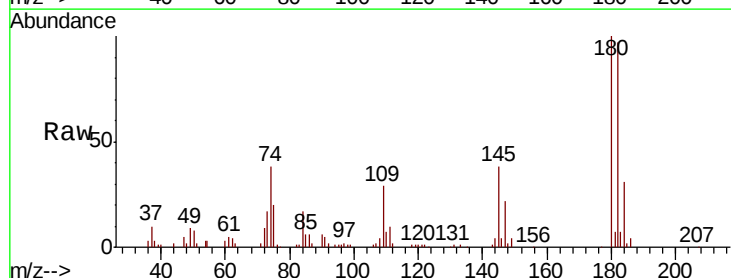
Tgt Ion:180 Resp: 62594

Ion Ratio Lower Upper

180 100

182 98.3 75.8 113.8

145 35.9 27.4 41.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

