

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040792.D
 Acq On : 19 Oct 2020 09:52
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Quant Time: Oct 20 01:28:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 03:08:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	129837	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	129300	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	68780	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	49477	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.93	69	42298	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.58	63	104442	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	4.66	46	170568	49.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.08%
24) Chloroform-d	5.08	84	96517	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.72	65	56125	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.74	84	179655	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.70	67	57676	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.90	98	165424	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
43) trans-1,3-Dichloropropene-	8.19	79	25214	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
46) 2-Hexanone-d5	8.64	63	127892	50.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.20%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52702	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	60600	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	53710	4.566 ug/L	99
3) Chloromethane	1.53	50	45847	4.167 ug/L	99
5) Vinyl chloride	1.61	62	51100	4.411 ug/L	86
6) Bromomethane	1.87	94	23443	3.726 ug/L	95
8) Chloroethane	1.94	64	35254	4.779 ug/L	95
9) Trichlorofluoromethane	2.15	101	81543	4.901 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	54465	5.043 ug/L	97
12) 1,1-Dichloroethene	2.59	96	46041	4.970 ug/L	86
13) Acetone	2.67	43	140126	52.509 ug/L	100
14) Carbon disulfide	2.81	76	104632	4.035 ug/L	99
15) Methyl Acetate	2.98	43	29302	4.809 ug/L	97
16) Methylene chloride	3.06	84	57704	4.851 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	131231	5.010 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	45099	4.651 ug/L	98
19) 1,1-Dichloroethane	3.89	63	102792	5.125 ug/L	97
21) 2-Butanone	4.74	43	214602	51.580 ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	53053	5.073 ug/L	95

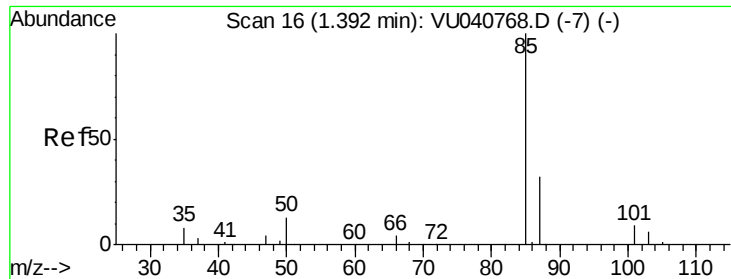
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101920\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26433	5.088	ug/L	96
25) Chloroform	5.11	83	110355	5.389	ug/L	97
27) 1,2-Dichloroethane	5.81	62	74999	5.175	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	90543	5.211	ug/L	98
30) Cyclohexane	5.40	56	72175	4.508	ug/L	98
31) Carbon tetrachloride	5.54	117	76019	5.113	ug/L	96
33) Benzene	5.79	78	210103	5.058	ug/L	100
34) Trichloroethene	6.55	95	53275	4.948	ug/L	98
35) Methylcyclohexane	6.77	83	69563	4.556	ug/L	100
37) 1,2-Dichloropropane	6.80	63	60109	5.193	ug/L	99
38) Bromodichloromethane	7.11	83	80573	5.446	ug/L	96
39) cis-1,3-Dichloropropene	7.61	75	79591	5.033	ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	487047	52.782	ug/L	100
42) Toluene	7.98	91	220523	5.210	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	78326	5.380	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	45119	5.205	ug/L	98
47) Tetrachloroethene	8.56	164	39870	5.190	ug/L	96
48) 2-Hexanone	8.69	43	375273	54.624	ug/L	99
49) Dibromochloromethane	8.81	129	54101	5.424	ug/L	94
50) 1,2-Dibromoethane	8.93	107	41599	5.059	ug/L	97
51) Chlorobenzene	9.45	112	143562	5.149	ug/L	95
52) Ethylbenzene	9.57	91	235321	5.137	ug/L	100
53) m,p-Xylene	9.69	106	87024	5.212	ug/L	99
54) o-Xylene	10.10	106	85135	5.302	ug/L	94
55) Styrene	10.11	104	155185	5.565	ug/L	100
56) Isopropylbenzene	10.48	105	229353	5.306	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	60250	5.294	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	44664	5.253	ug/L	98
61) Bromoform	10.29	173	30362	5.150	ug/L	96
62) 1,3-Dichlorobenzene	11.74	146	119657	5.315	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	120563	5.194	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	115426	5.245	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	10097	5.240	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	81685	5.114	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	64007	5.186	ug/L	97
69) Naphthalene	14.08	128	97038	4.807	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	60144	5.248	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.566 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

MSVOA_U

ClientSampleId :

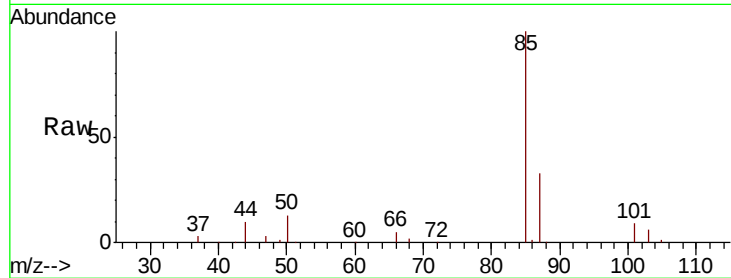
VSTD00517

Tot Ion: 85 Resp: 53710

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU040768.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040768.D (-7) (-)

1.39

60000

50000

40000

30000

20000

10000

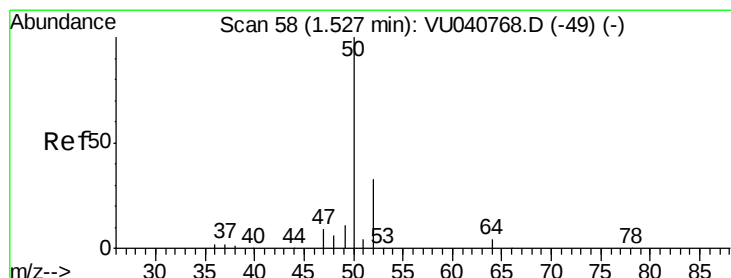
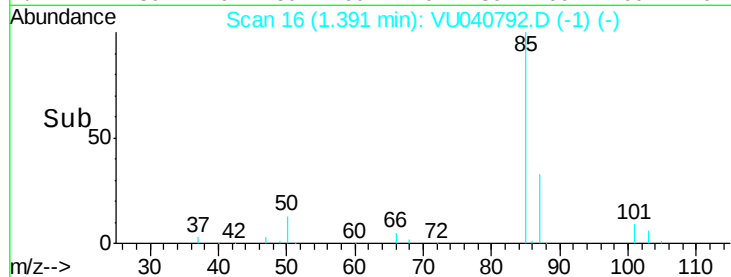
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 4.167 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040792.D

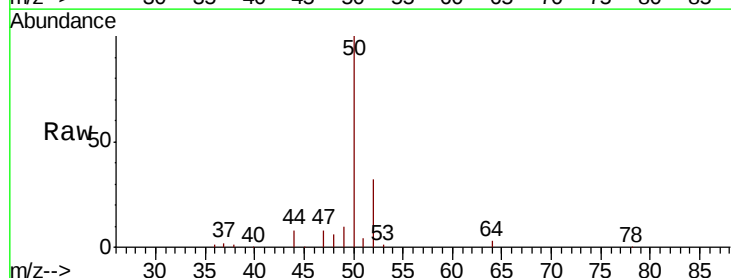
Acq: 19 Oct 2020 09:52

Tgt Ion: 50 Resp: 45847

Ion Ratio Lower Upper

50 100

52 32.1 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040768.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040768.D (-49) (-)

1.53

50000

40000

30000

20000

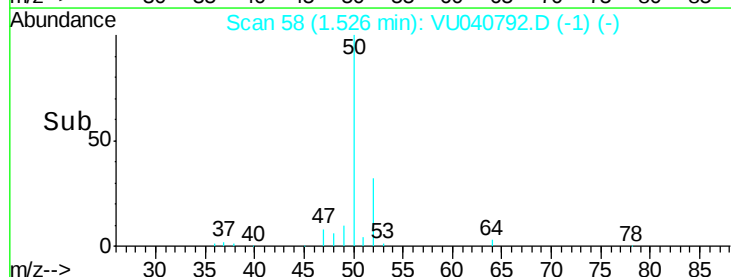
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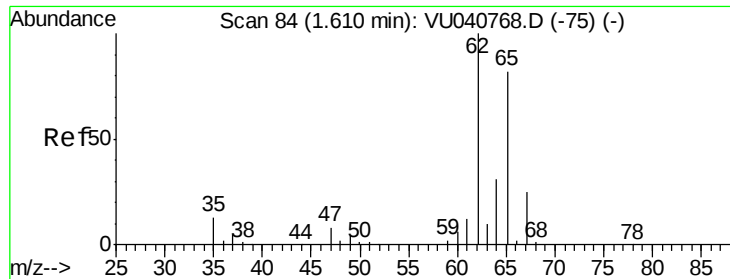
0

1.50

1.55

Time-->





#5

Vinyl chloride

Concen: 4.411 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

MSVOA_U

ClientSampleId :

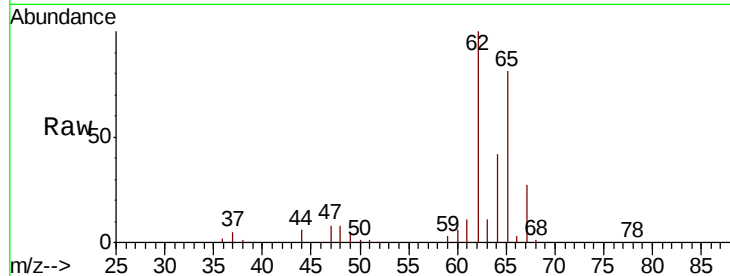
VSTD00517

Tot Ion: 62 Resp: 51100

Ion Ratio Lower Upper

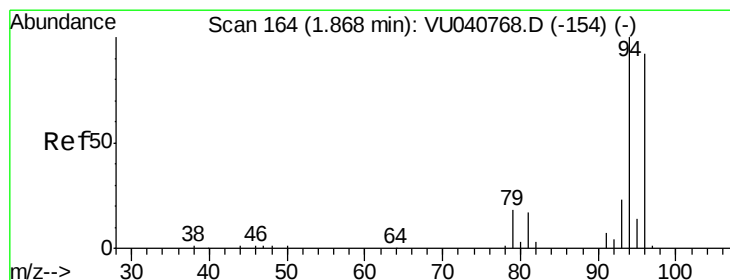
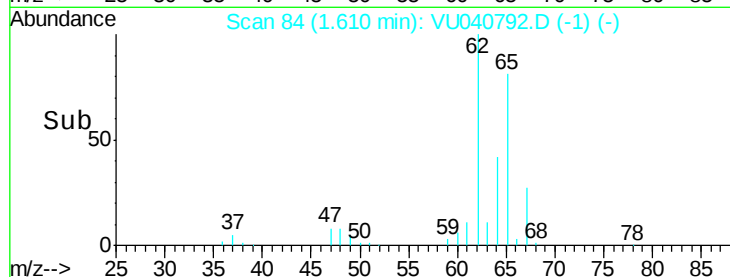
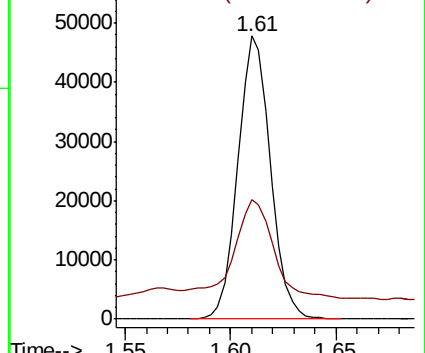
62 100

64 42.1 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.726 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040792.D

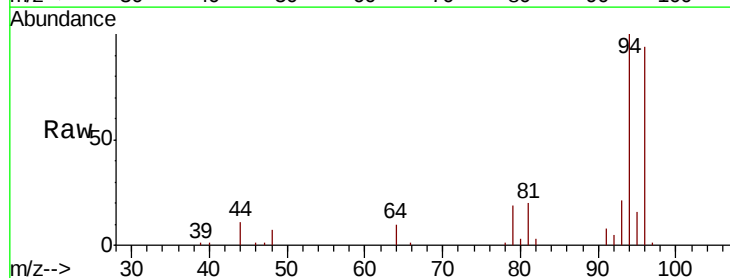
Acq: 19 Oct 2020 09:52

Tgt Ion: 94 Resp: 23443

Ion Ratio Lower Upper

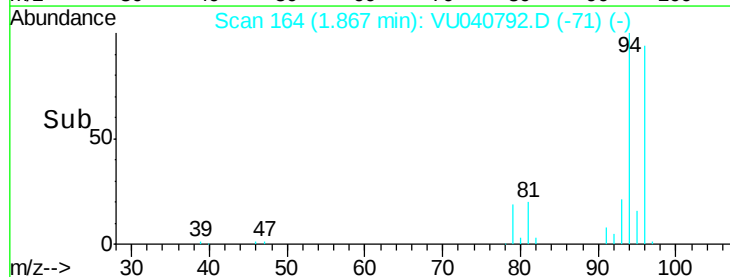
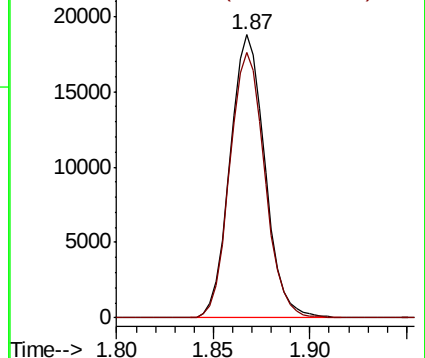
94 100

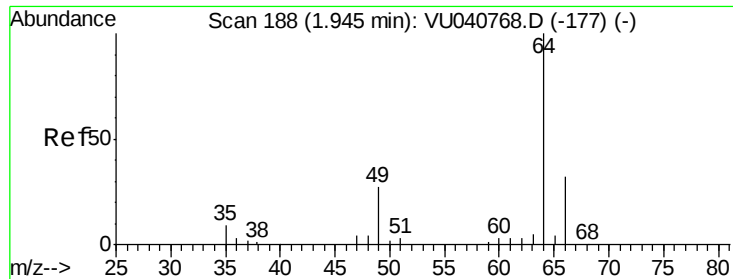
96 93.8 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

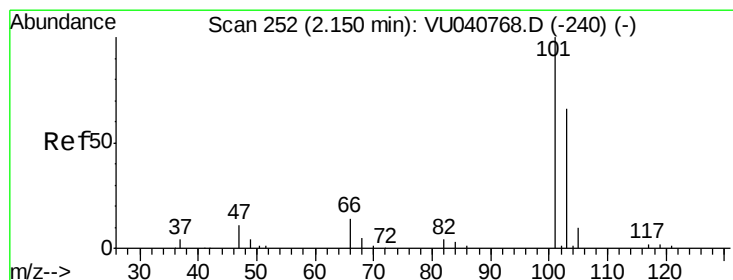
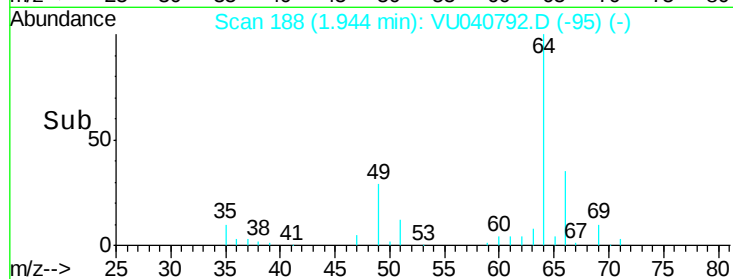
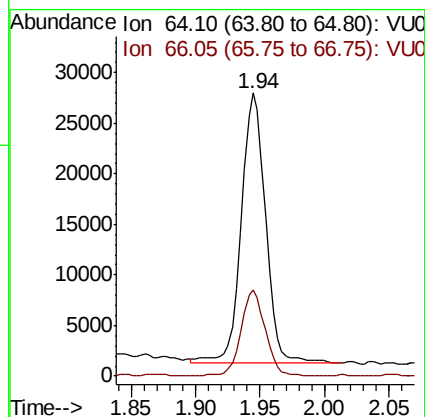
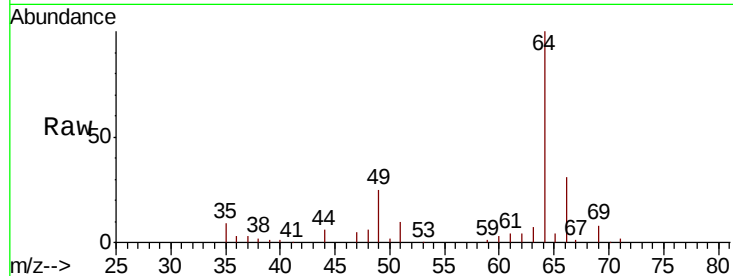




#8
Chloroethane
Concen: 4.779 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU040792.D
Acq: 19 Oct 2020 09:52

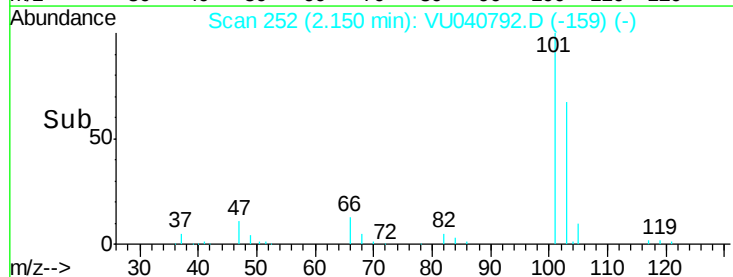
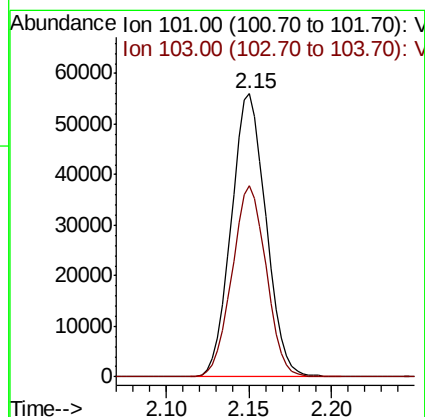
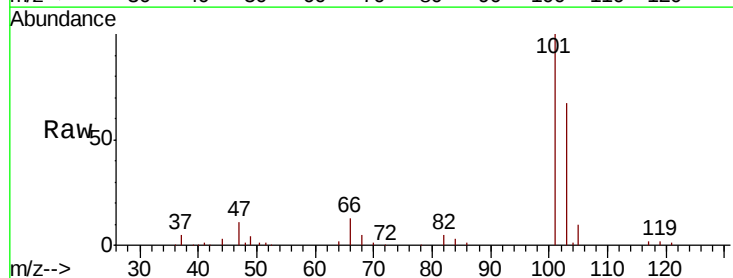
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

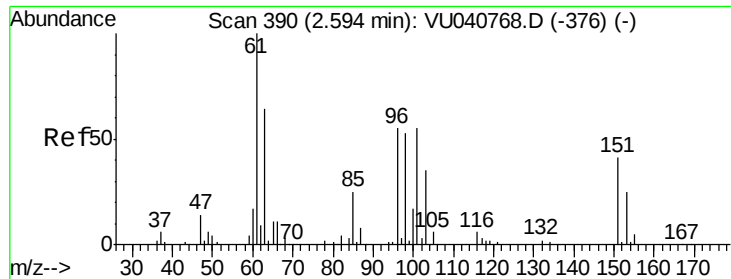
Tot Ion: 64 Resp: 35254
Ion Ratio Lower Upper
64 100
66 30.7 23.3 43.3



#9
Trichlorofluoromethane
Concen: 4.901 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU040792.D
Acq: 19 Oct 2020 09:52

Tgt Ion: 101 Resp: 81543
Ion Ratio Lower Upper
101 100
103 66.3 52.2 78.4





#10

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

Concen: 5.043 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

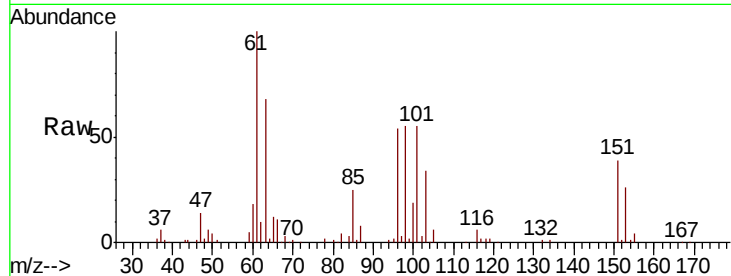
Tot Ion:101 Resp: 54465

Ion Ratio Lower Upper

101 100

85 44.1 36.7 55.1

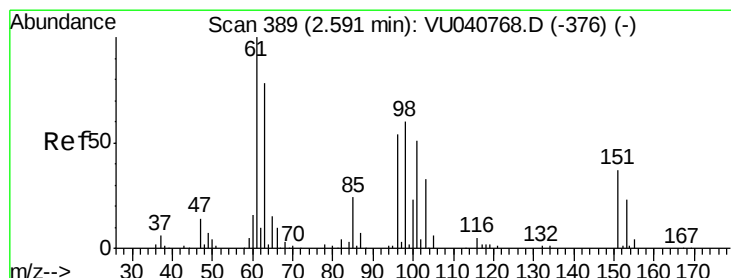
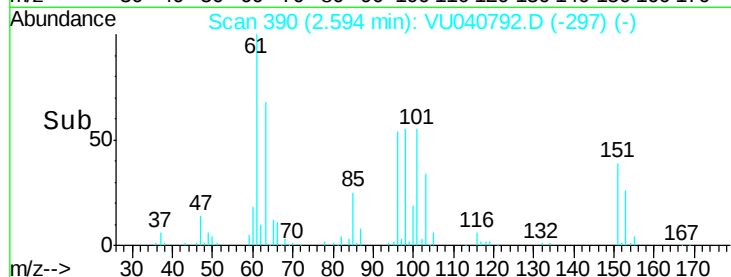
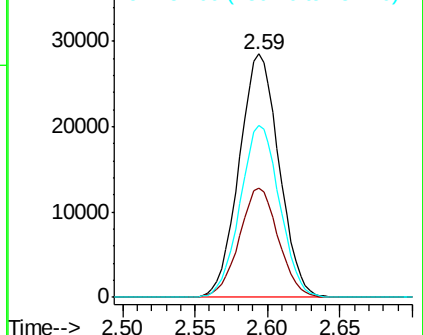
151 70.1 58.0 87.0



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



#12

1,1-Dichloroethene

Concen: 4.970 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

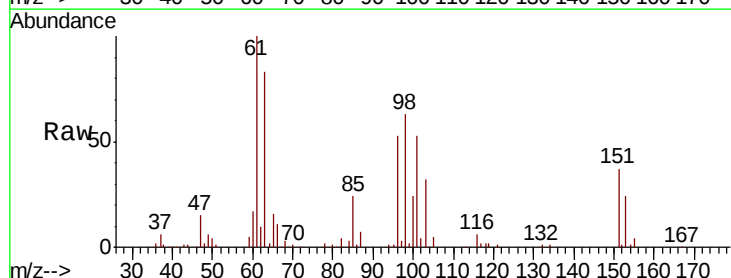
Tgt Ion: 96 Resp: 46041

Ion Ratio Lower Upper

96 100

61 188.4 128.8 239.2

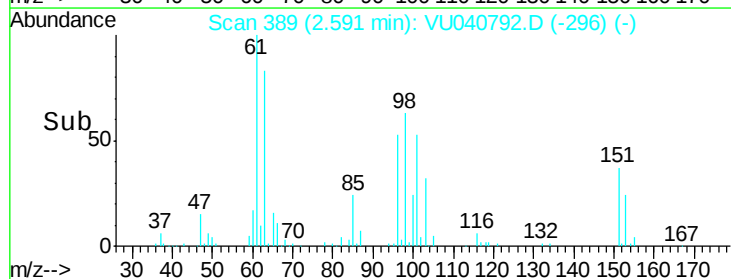
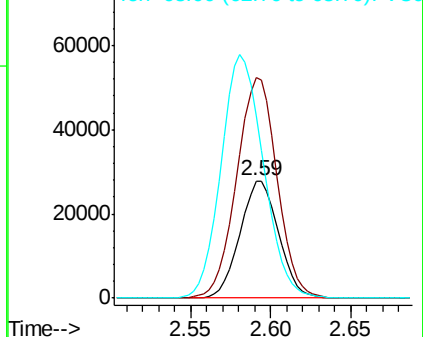
63 156.0 84.6 157.2

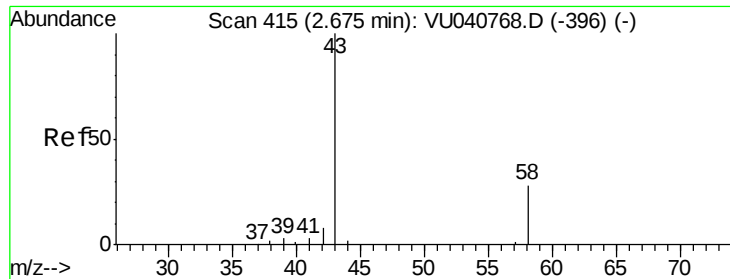


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.509 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

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ClientSampleId :

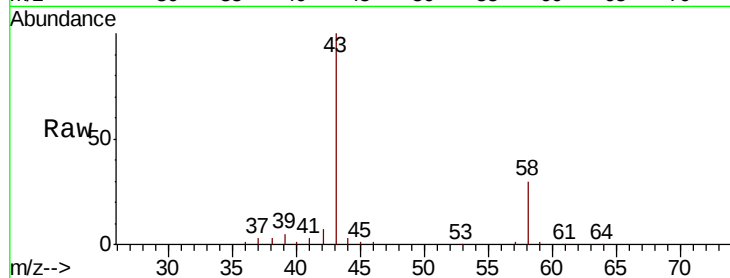
VSTD00517

Tot Ion: 43 Resp: 140126

Ion Ratio Lower Upper

43 100

58 30.0 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040792.D (-322) (-)

Ion 58.05 (57.75 to 58.75): VU040792.D (-322) (-)

2.67

30000

25000

20000

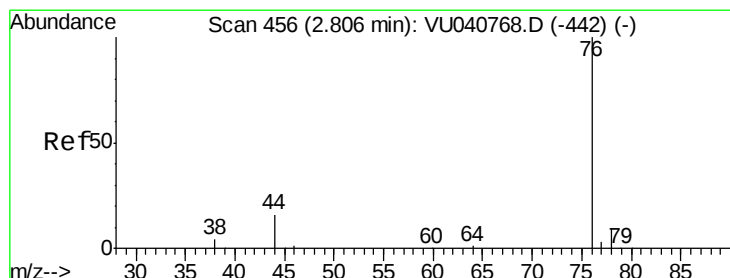
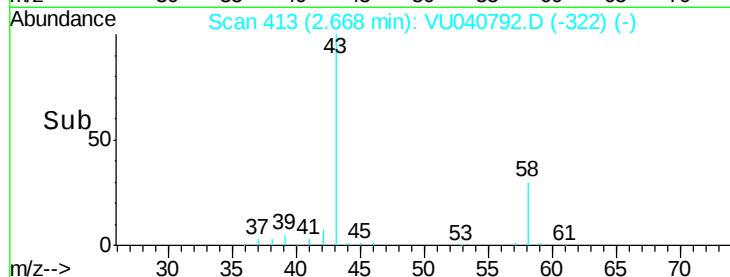
15000

10000

5000

0

Time--> 2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 4.035 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040792.D

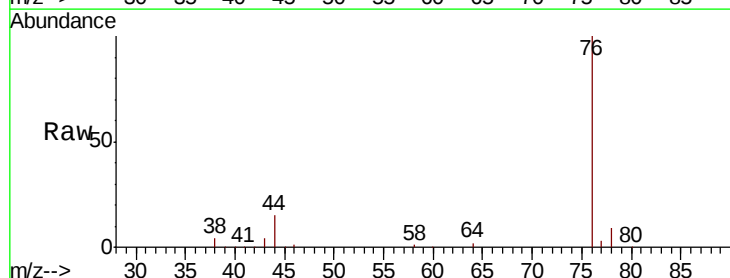
Acq: 19 Oct 2020 09:52

Tgt Ion: 76 Resp: 104632

Ion Ratio Lower Upper

76 100

78 9.0 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040792.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040792.D (-363) (-)

2.81

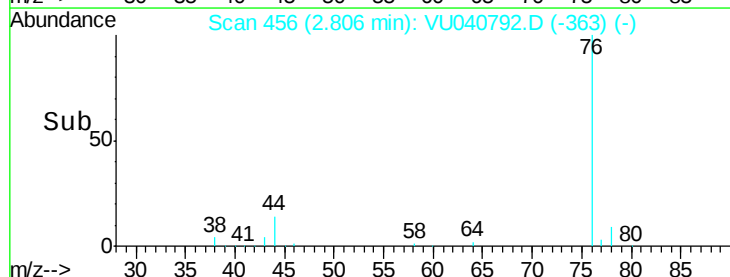
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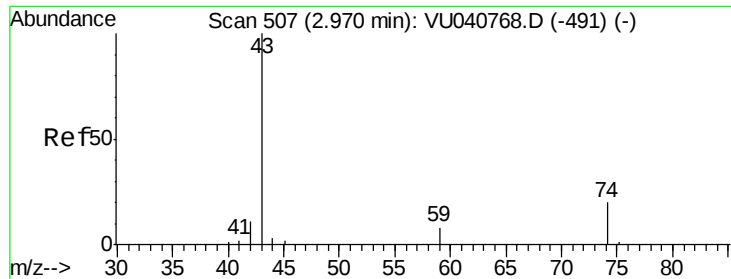
40000

20000

0

Time--> 2.75 2.80 2.85 2.90





#15

Methyl Acetate

Concen: 4.809 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.01 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

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ClientSampleId :

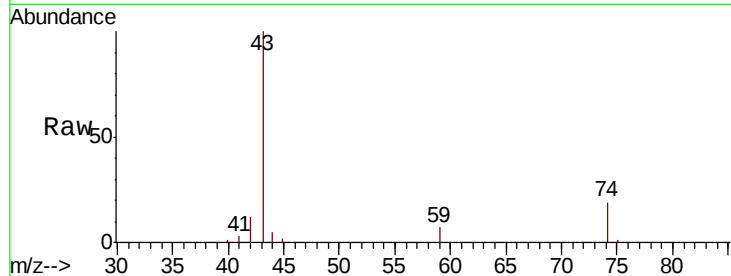
VSTD00517

Tot Ion: 43 Resp: 29302

Ion Ratio Lower Upper

43 100

74 21.8 16.5 24.7



Abundance Ion 43.05 (42.75 to 43.75): VU040792.D (-414) (-)

Ion 74.05 (73.75 to 74.75): VU040792.D (-414) (-)

2.98

12000

10000

8000

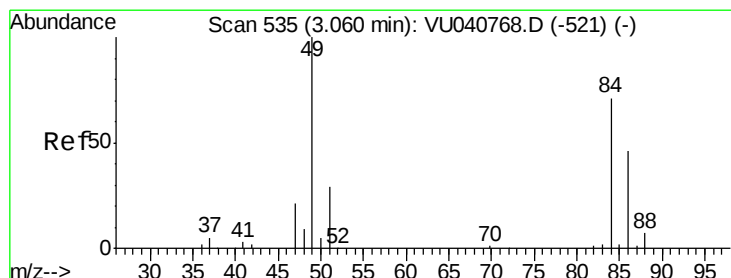
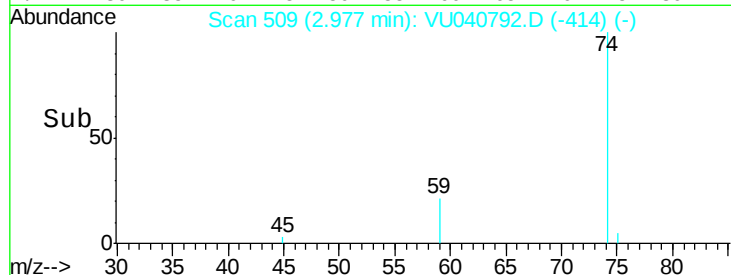
6000

4000

2000

0

Time-->



#16

Methylene chloride

Concen: 4.851 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

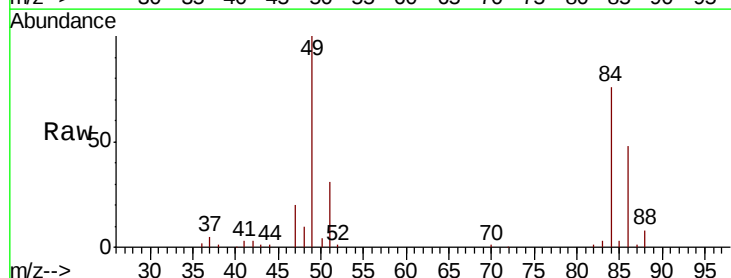
Tgt Ion: 84 Resp: 57704

Ion Ratio Lower Upper

84 100

86 63.7 45.4 84.4

49 132.1 99.8 185.3



Abundance Ion 84.05 (83.75 to 84.75): VU040792.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU040792.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU040792.D (-442) (-)

3.06

50000

40000

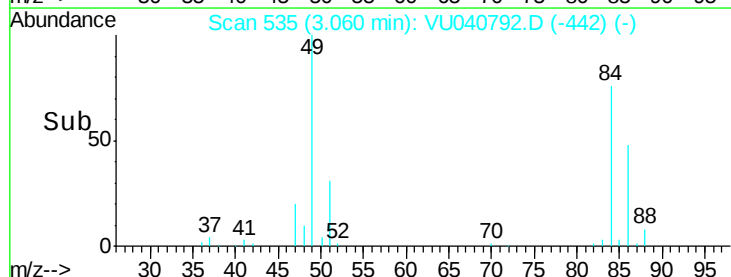
30000

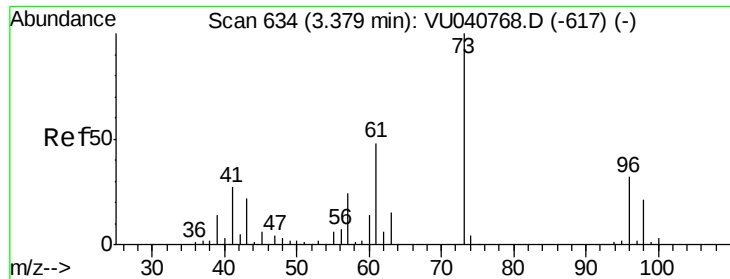
20000

10000

0

Time-->

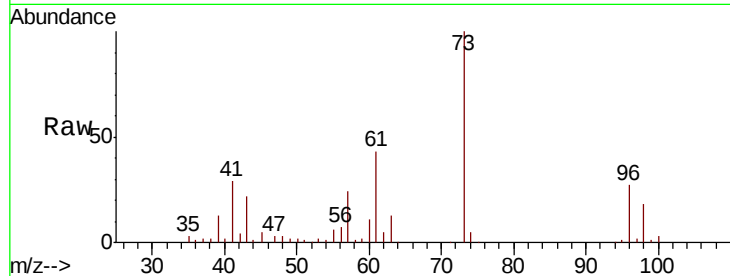




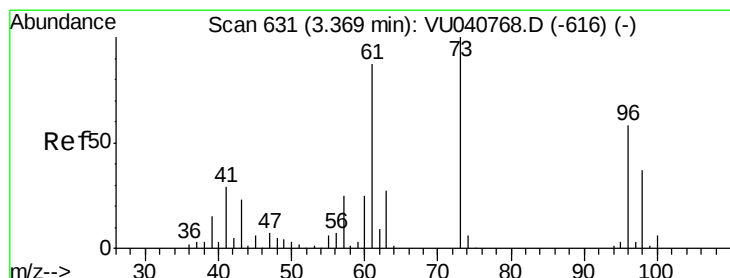
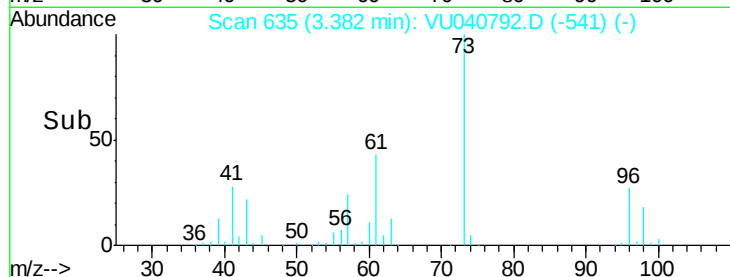
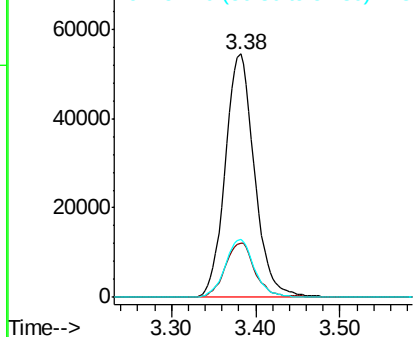
#17
Methvl tert-butvl Ether
Concen: 5.010 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040792.D
Acq: 19 Oct 2020 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Tot Ion: 73 Resp: 131231
Ion Ratio Lower Upper
73 100
43 23.2 18.2 27.4
57 23.8 18.6 28.0

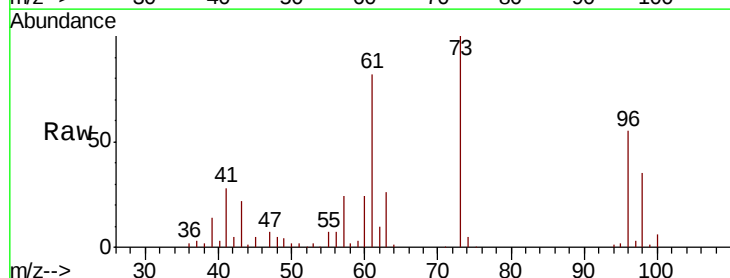


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

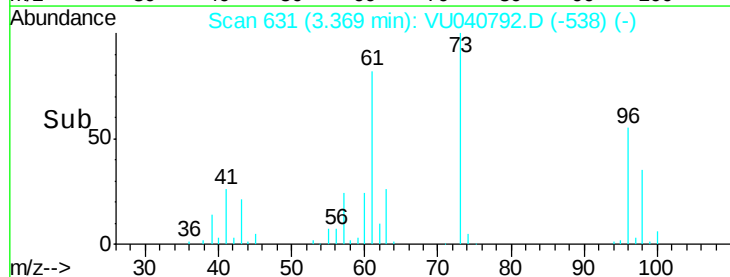
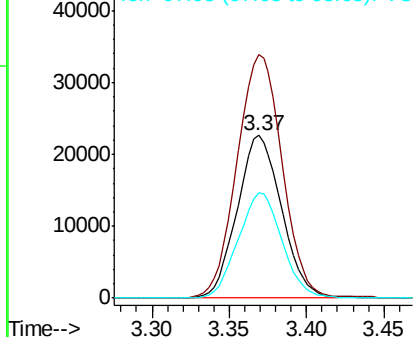


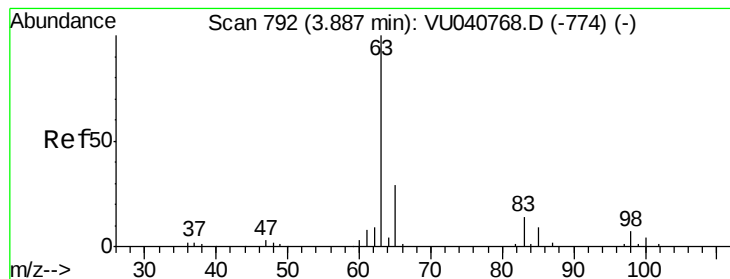
#18
trans-1,2-Dichloroethene
Concen: 4.651 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040792.D
Acq: 19 Oct 2020 09:52

Tgt Ion: 96 Resp: 45099
Ion Ratio Lower Upper
96 100
61 149.9 105.9 196.7
98 64.6 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: 5.125 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

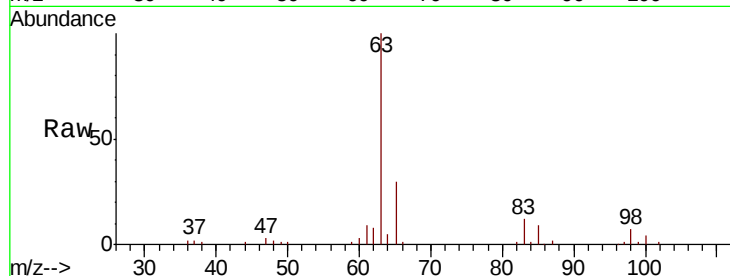
Tot Ion: 63 Resp: 102792

Ion Ratio Lower Upper

63 100

65 30.0 21.9 40.7

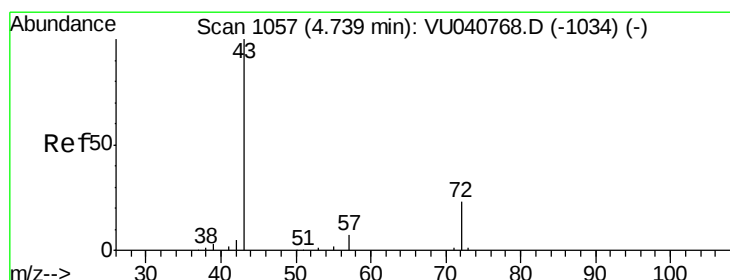
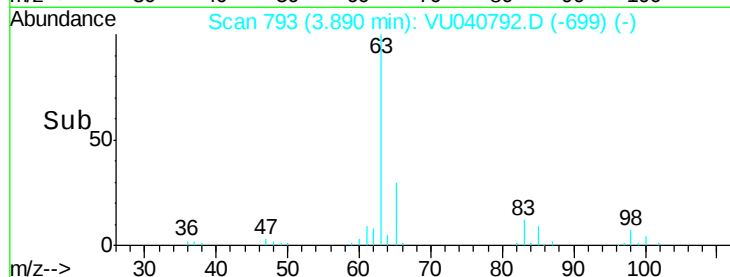
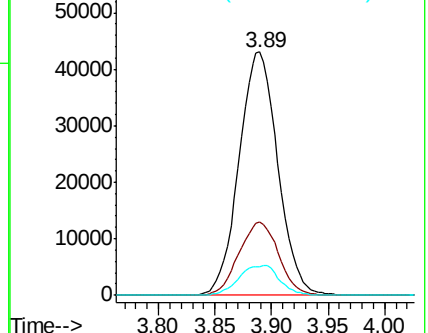
83 11.8 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU040792.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU040792.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU040792.D (-699) (-)



#21

2-Butanone

Concen: 51.580 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VU040792.D

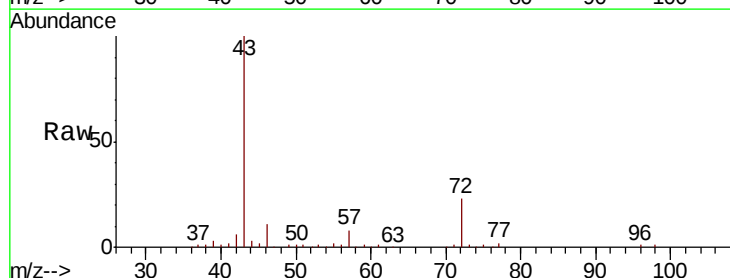
Acq: 19 Oct 2020 09:52

Tgt Ion: 43 Resp: 214602

Ion Ratio Lower Upper

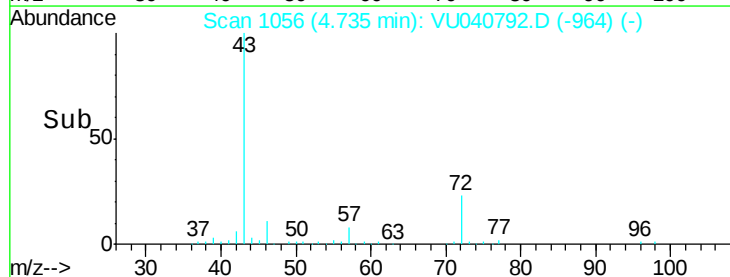
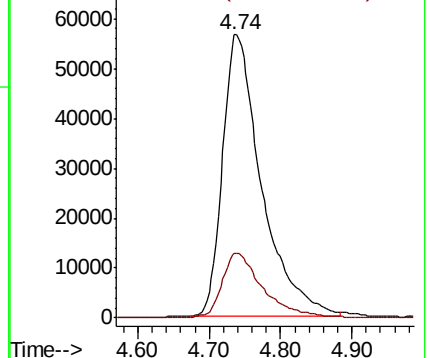
43 100

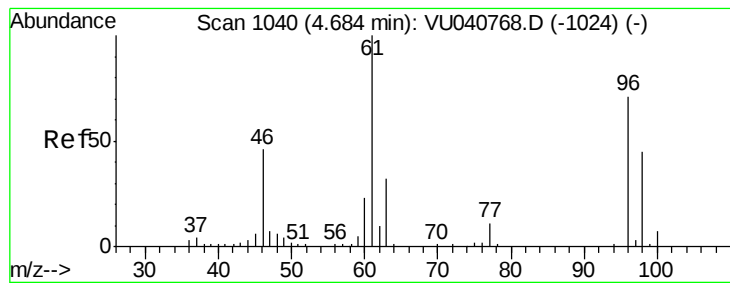
72 24.1 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU040792.D (-964) (-)

Ion 72.10 (71.80 to 72.80): VU040792.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.073 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

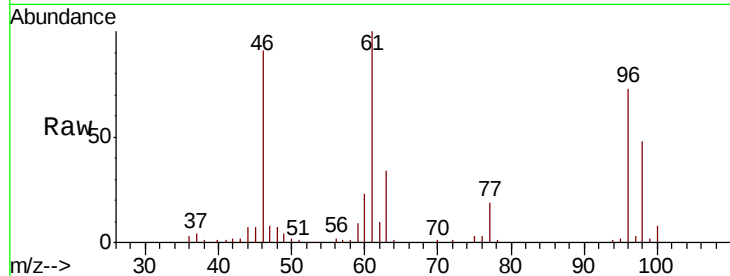
Tot Ion: 96 Resp: 53053

Ion Ratio Lower Upper

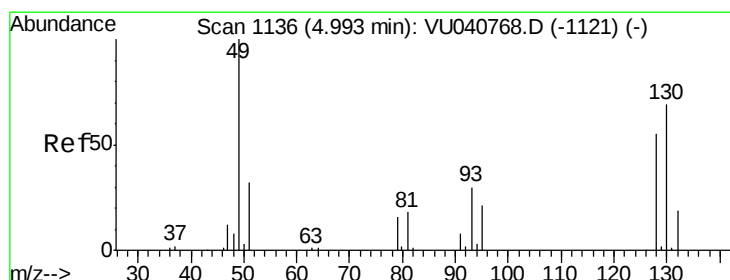
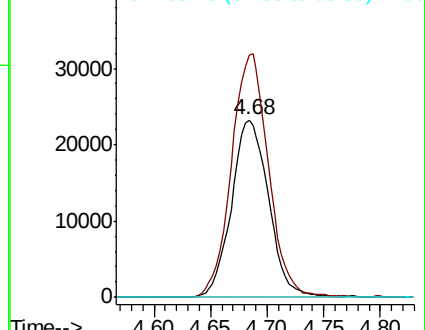
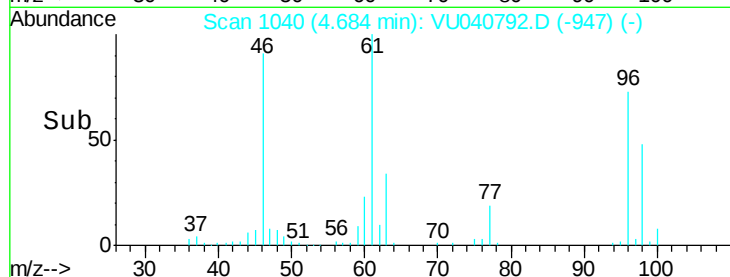
96 100

61 136.9 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040792.D (-1043) (-)



#23

Bromochloromethane

Concen: 5.088 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Tgt Ion: 128 Resp: 26433

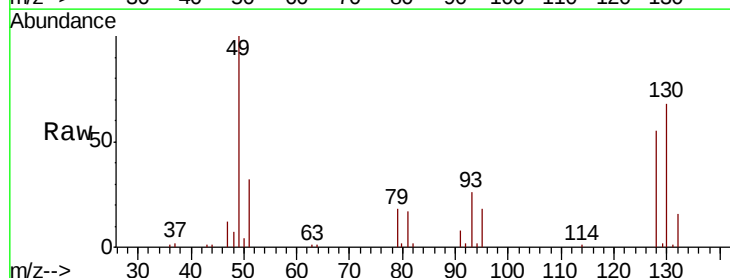
Ion Ratio Lower Upper

128 100

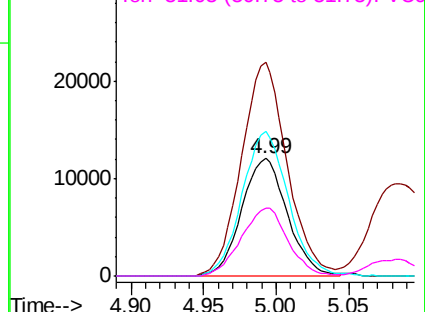
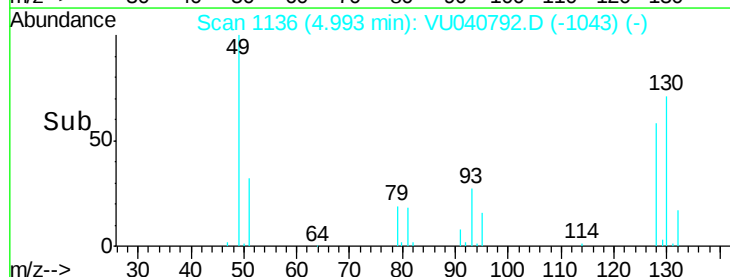
49 181.7 132.2 245.4

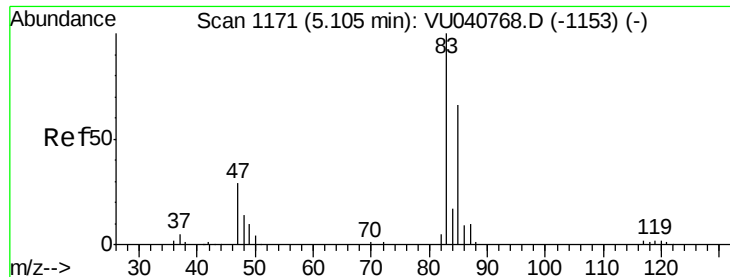
130 123.0 89.2 165.8

51 57.4 45.3 67.9



Abundance Ion 127.90 (127.60 to 128.60): VU040792.D (-1043) (-)

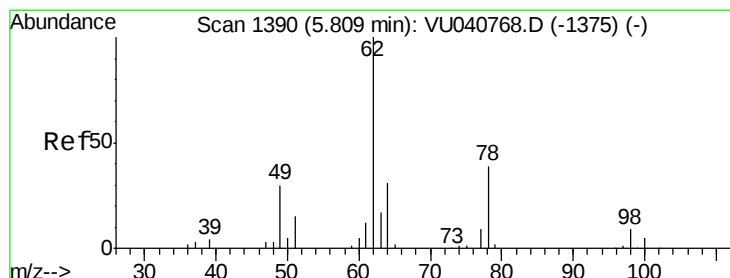
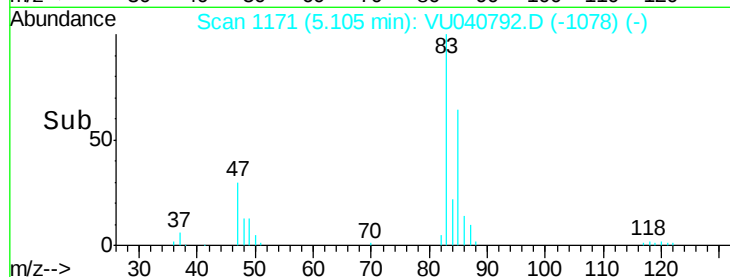
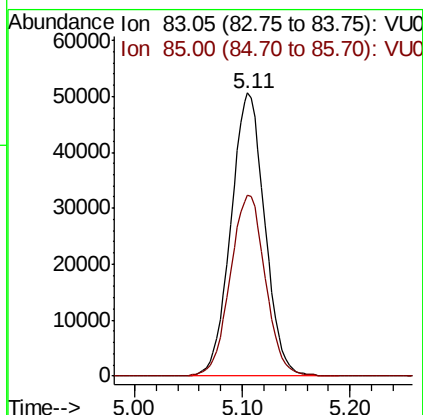
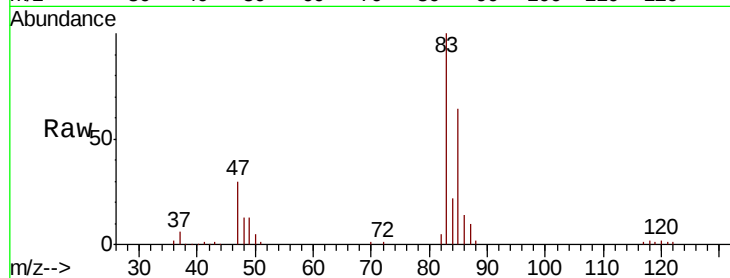




#25
Chloroform
Concen: 5.389 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040792.D
Acq: 19 Oct 2020 09:52

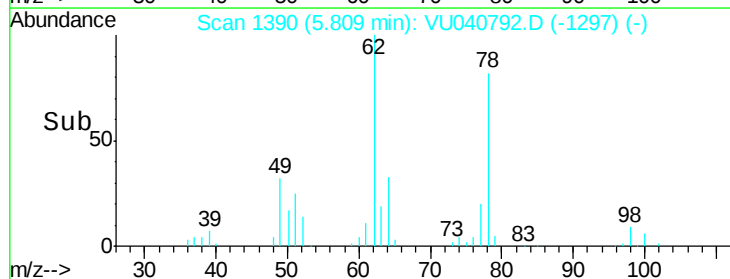
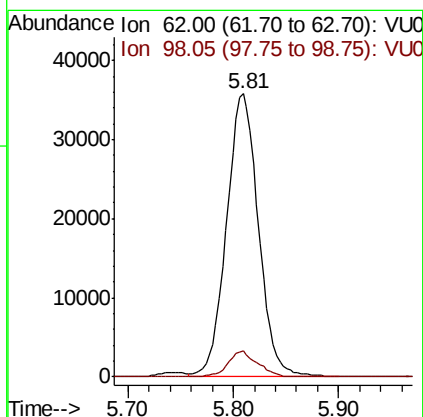
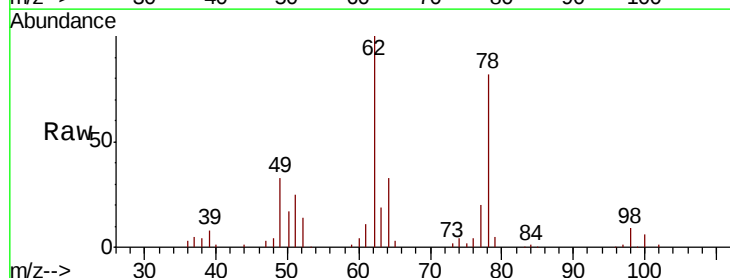
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

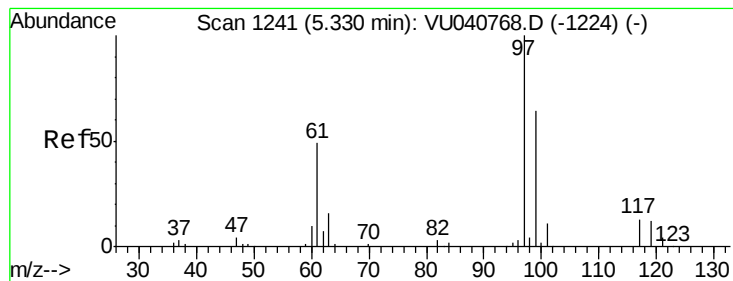
Tot Ion: 83 Resp: 110355
Ion Ratio Lower Upper
83 100
85 63.9 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.175 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040792.D
Acq: 19 Oct 2020 09:52

Tgt Ion: 62 Resp: 74999
Ion Ratio Lower Upper
62 100
98 9.0 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.211 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

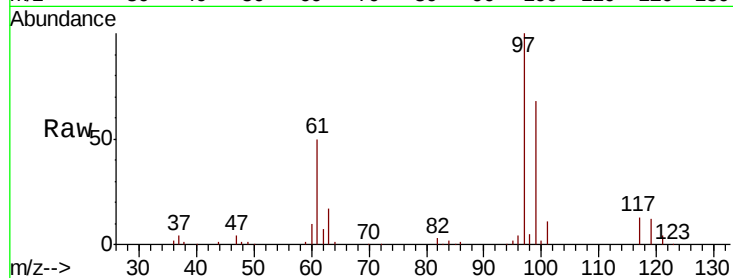
Tot Ion: 97 Resp: 90543

Ion Ratio Lower Upper

97 100

99 65.1 51.3 76.9

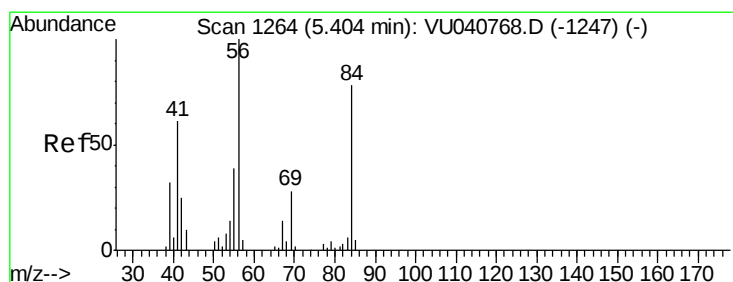
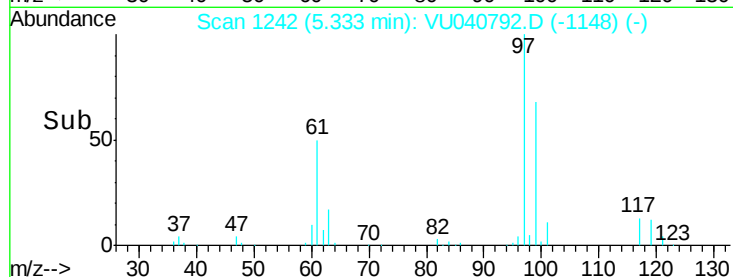
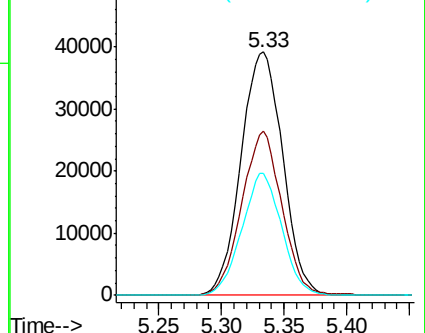
61 47.8 39.4 59.2



Abundance Ion 96.95 (96.65 to 97.65): VU040792.D (-1148) (-)

Ion 99.05 (98.75 to 99.75): VU040792.D (-1148) (-)

Ion 61.05 (60.75 to 61.75): VU040792.D (-1148) (-)



#30

Cyclohexane

Concen: 4.508 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

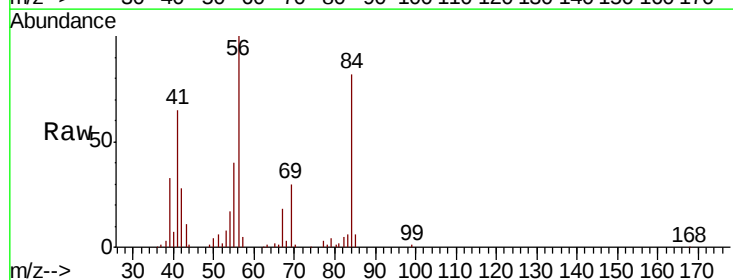
Tgt Ion: 56 Resp: 72175

Ion Ratio Lower Upper

56 100

69 30.1 23.8 35.8

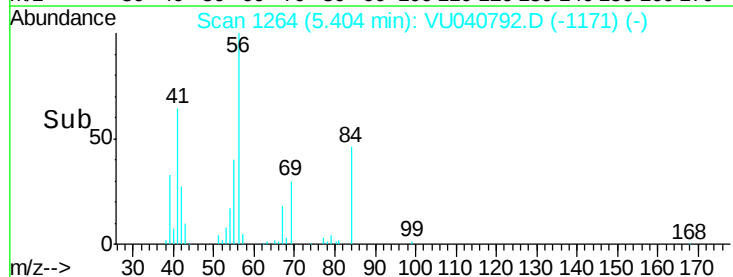
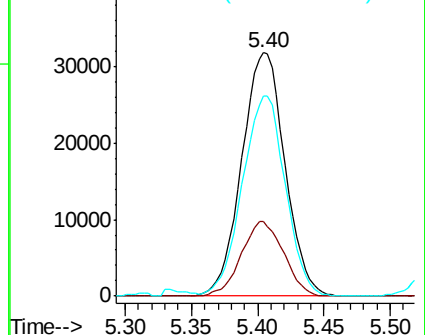
84 81.9 64.0 96.0

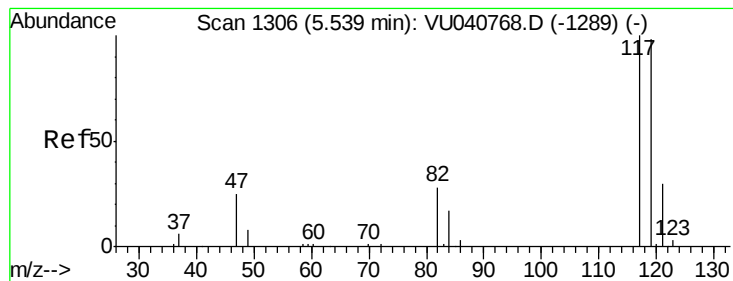


Abundance Ion 56.10 (55.80 to 56.80): VU040792.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU040792.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU040792.D (-1171) (-)





#31

Carbon tetrachloride

Concen: 5.113 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

MSVOA_U

ClientSampleId :

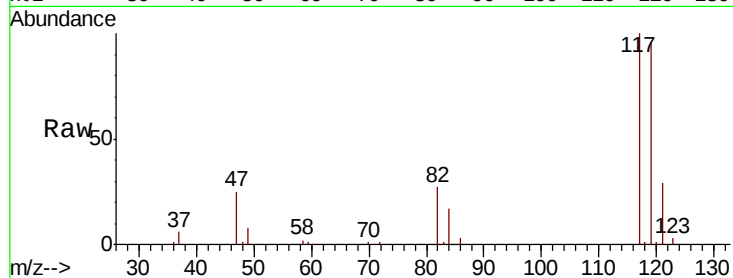
VSTD00517

Tot Ion:117 Resp: 76019

Ion Ratio Lower Upper

117 100

119 99.2 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

40000

30000

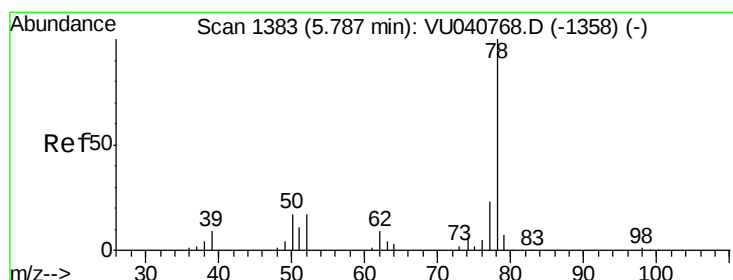
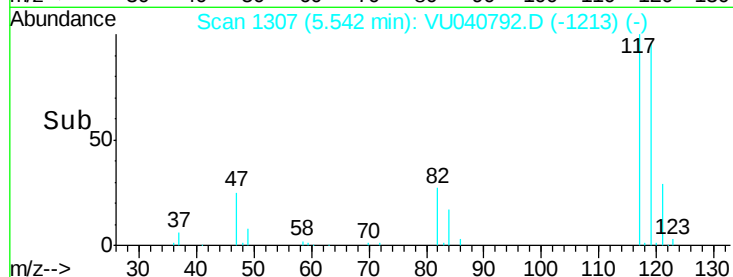
20000

10000

0

Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 5.058 ug/L

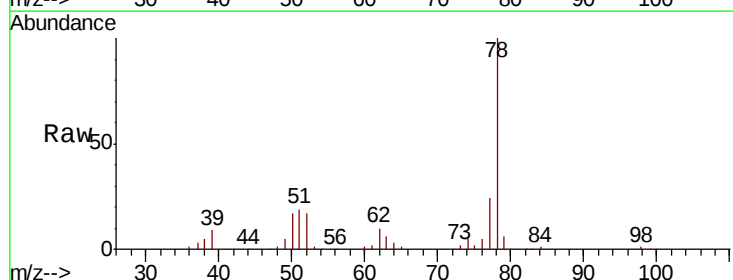
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Tgt Ion: 78 Resp: 210103



Abundance Ion 78.10 (77.80 to 78.80): VU0

120000

100000

80000

60000

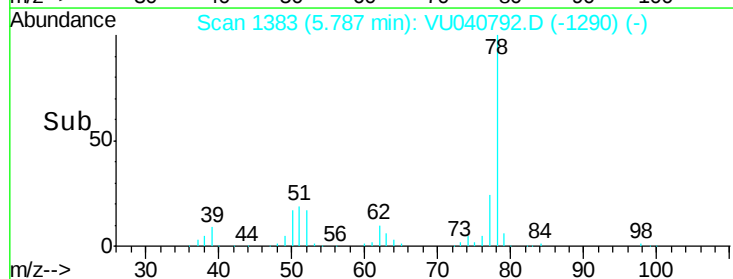
40000

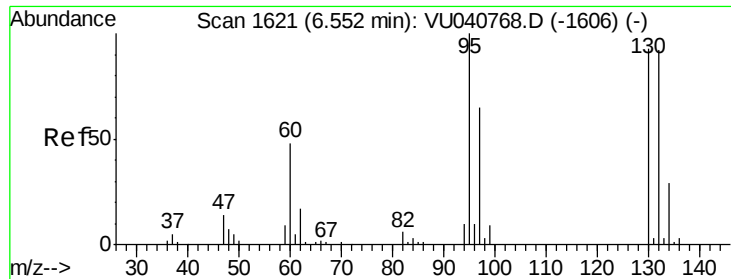
20000

0

Time-->

5.70 5.80 5.90

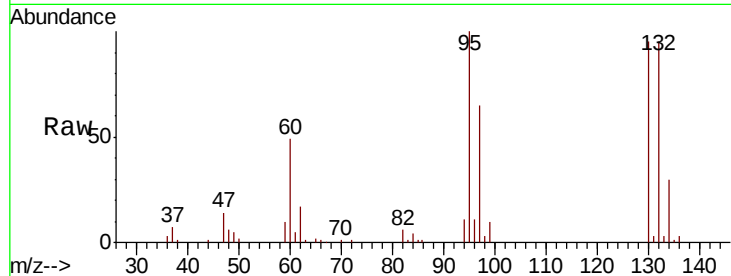




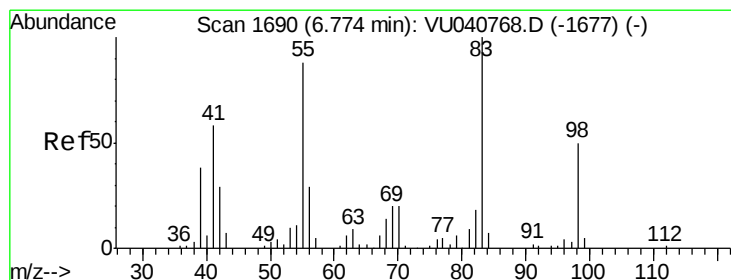
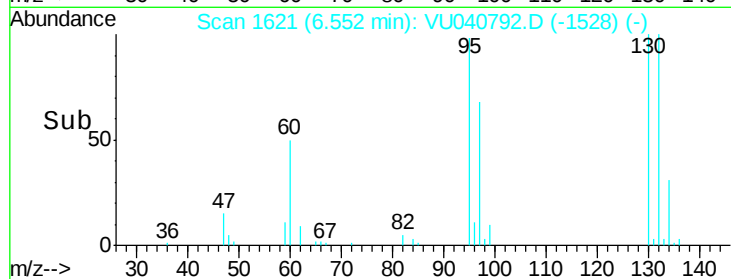
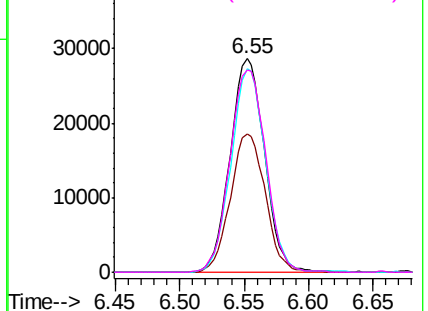
#34
 Trichloroethene
 Concen: 4.948 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040792.D
 Acq: 19 Oct 2020 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tot Ion: 95 Resp: 53275
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.5 84.5
 132 95.3 67.5 125.4
 130 95.0 69.9 129.9

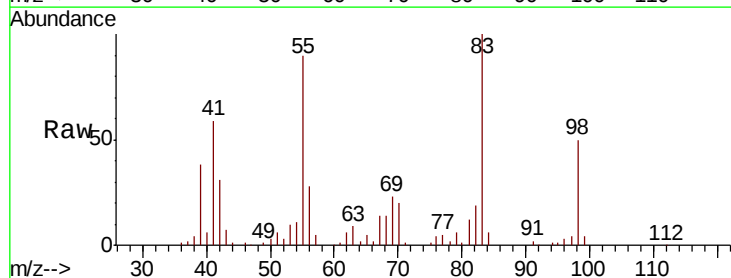


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

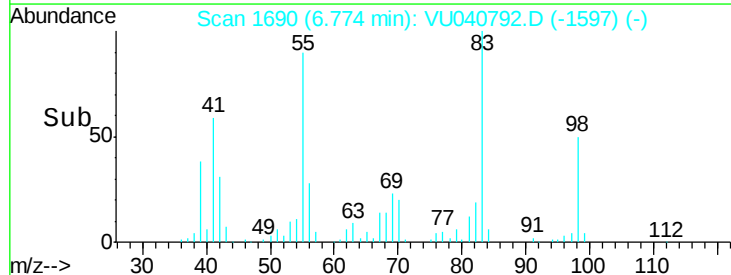
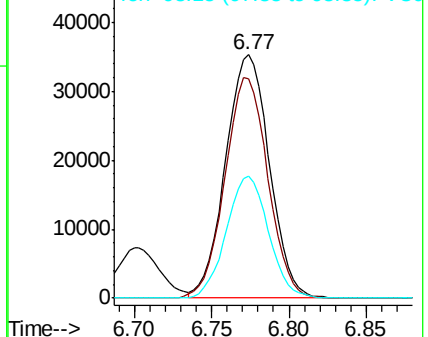


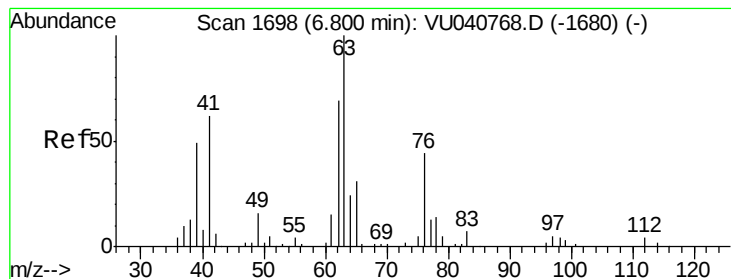
#35
 Methylcyclohexane
 Concen: 4.556 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040792.D
 Acq: 19 Oct 2020 09:52

Tgt Ion: 83 Resp: 69563
 Ion Ratio Lower Upper
 83 100
 55 88.6 70.7 106.1
 98 48.0 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: 5.193 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

MSVOA_U

ClientSampleId :

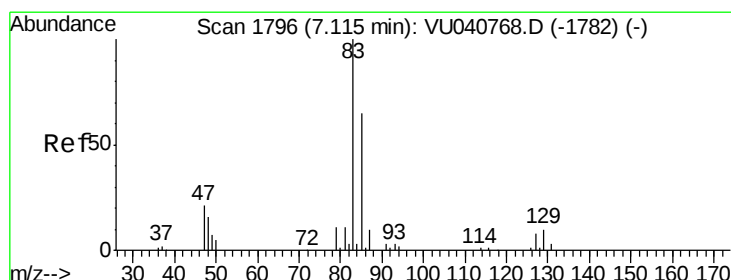
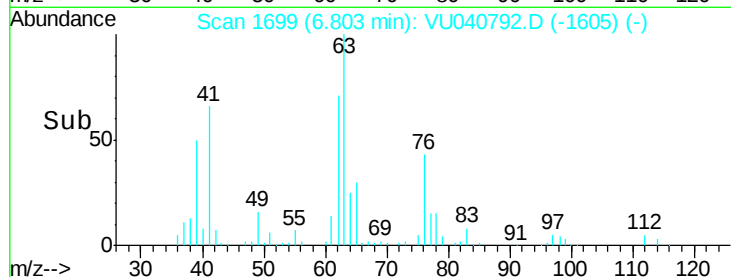
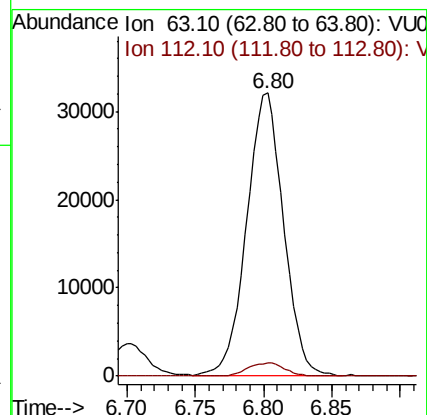
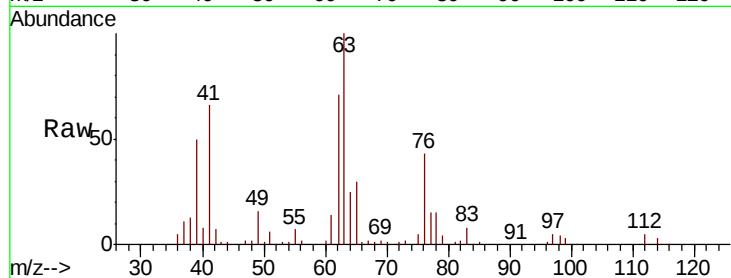
VSTD00517

Tot Ion: 63 Resp: 60109

Ion Ratio Lower Upper

63 100

112 4.7 3.5 5.3



#38

Bromodichloromethane

Concen: 5.446 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

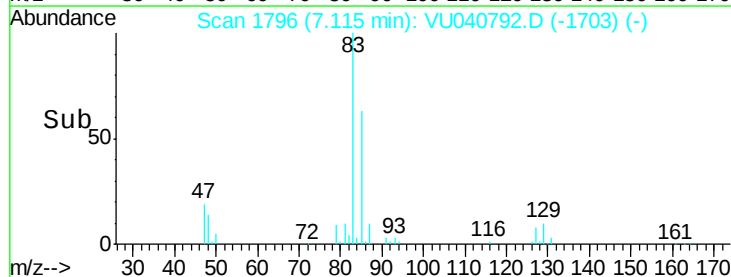
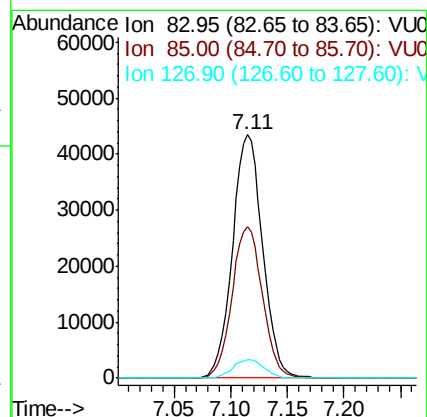
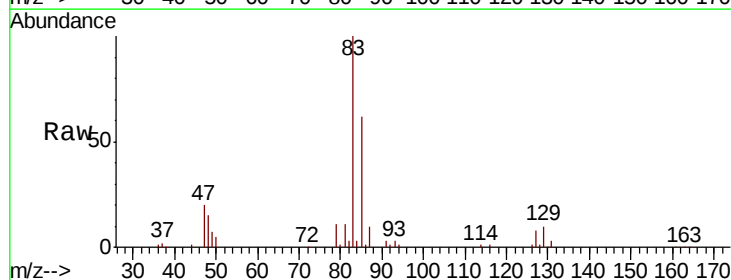
Tgt Ion: 83 Resp: 80573

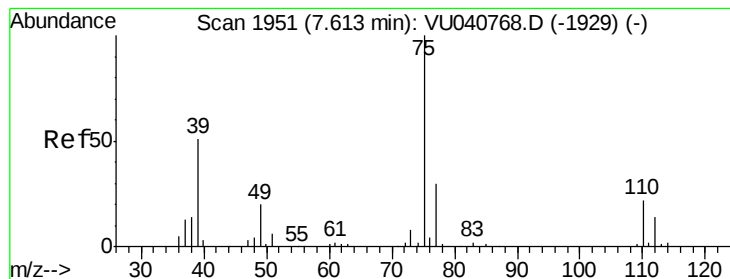
Ion Ratio Lower Upper

83 100

85 62.3 46.0 85.4

127 7.7 6.7 10.1



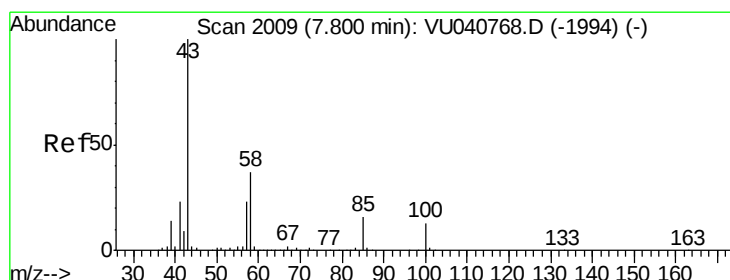
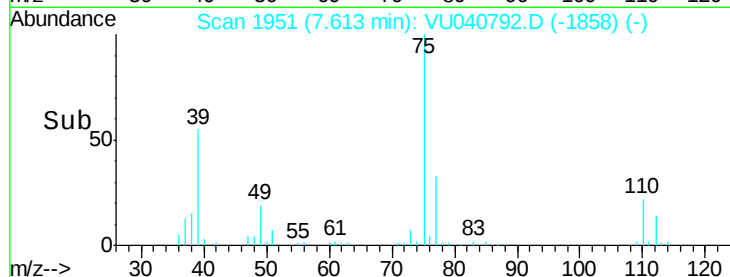
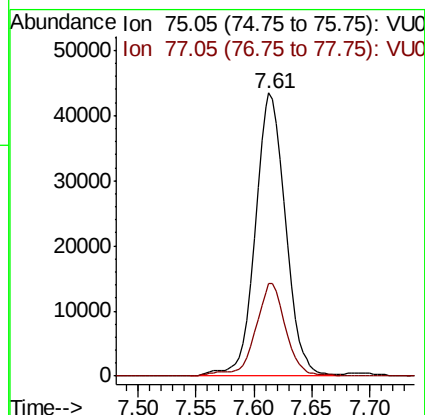
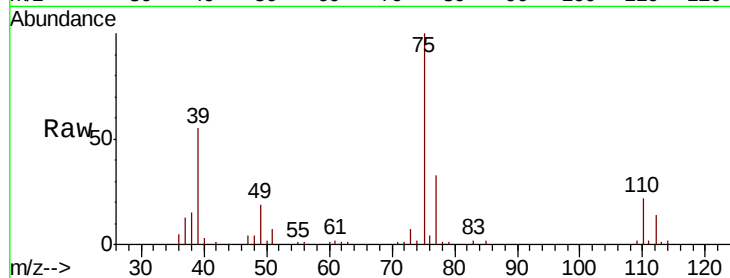


#39

cis-1,3-Dichloropropene
 Concen: 5.033 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040792.D
 Acq: 19 Oct 2020 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

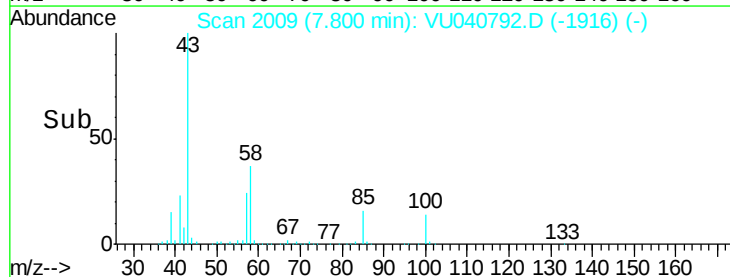
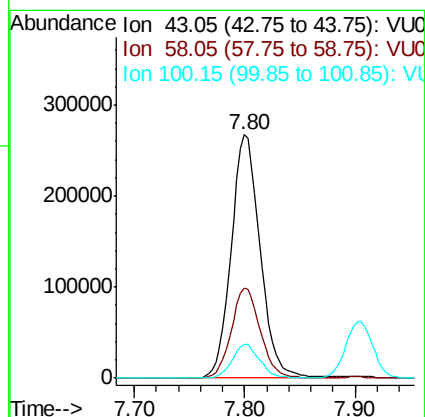
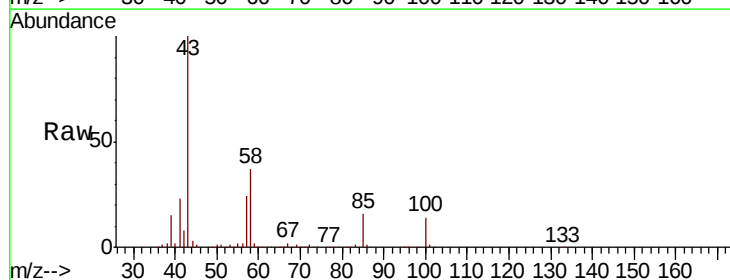
Tot Ion: 75 Resp: 79591
 Ion Ratio Lower Upper
 75 100
 77 32.5 20.5 38.1

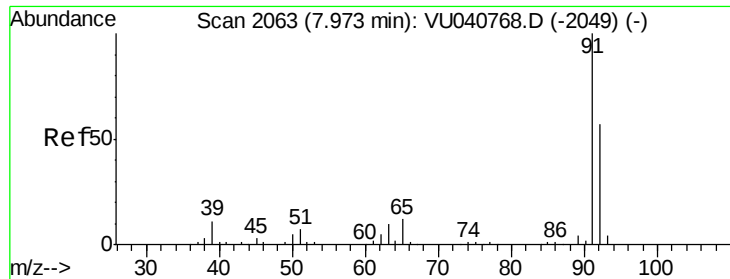


#40

4-Methyl-2-pentanone
 Concen: 52.782 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040792.D
 Acq: 19 Oct 2020 09:52

Tgt Ion: 43 Resp: 487047
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.7 44.5
 100 13.5 10.7 16.1





#42

Toluene

Concen: 5.210 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

MSVOA_U

ClientSampled :

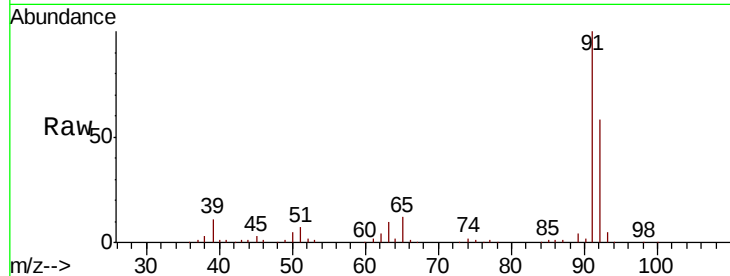
VSTD00517

Tot Ion: 91 Resp: 220523

Ion Ratio Lower Upper

91 100

92 58.1 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040768.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040768.D (-2049) (-)

7.98

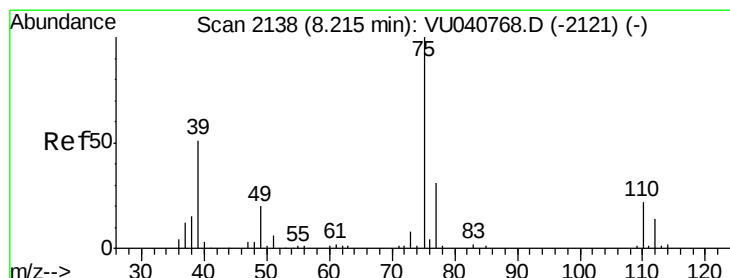
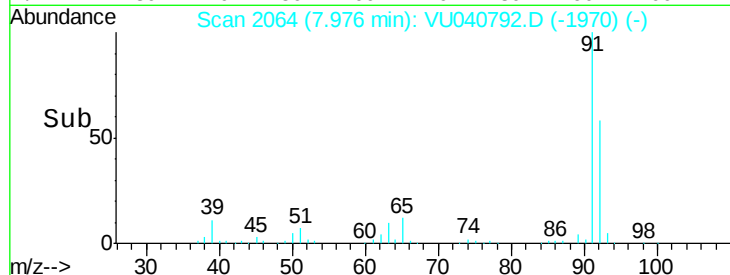
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.380 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040792.D

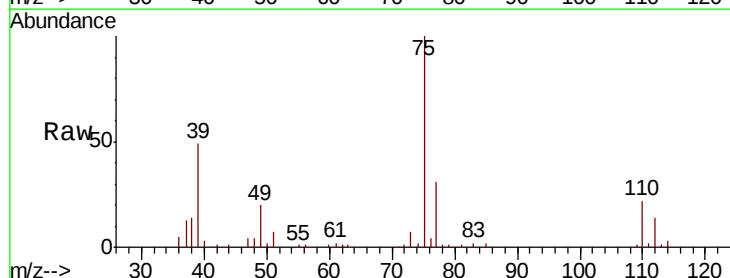
Acq: 19 Oct 2020 09:52

Tgt Ion: 75 Resp: 78326

Ion Ratio Lower Upper

75 100

77 31.5 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040768.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040768.D (-2121) (-)

8.21

50000

40000

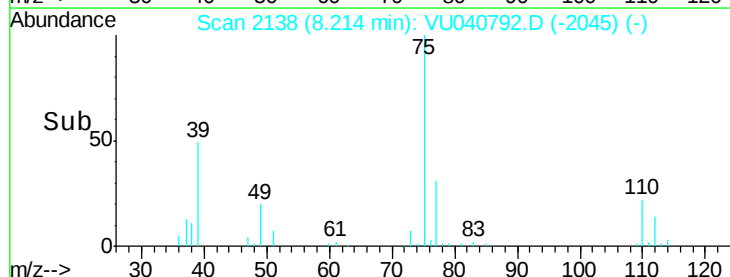
30000

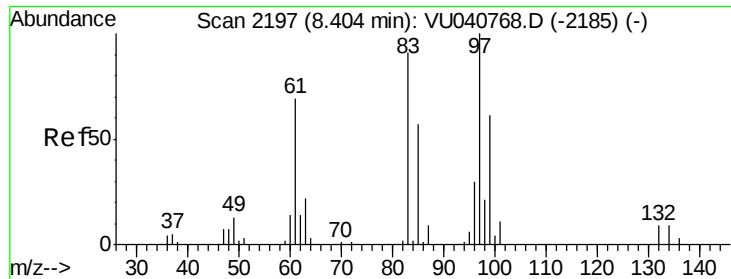
20000

10000

0

Time-->

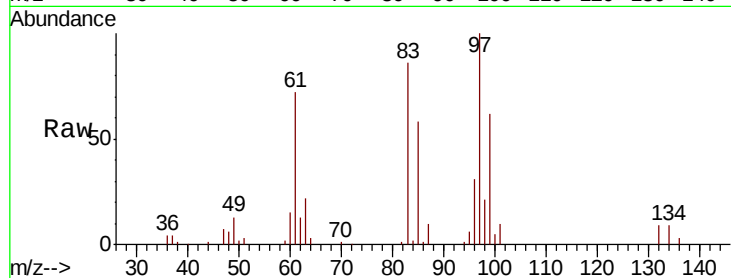




#45
 1,1,2-Trichloroethane
 Concen: 5.205 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040792.D
 Acq: 19 Oct 2020 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tot Ion:	97	Resp:	45119
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.0	81.6
83	86.5	62.9	116.9
85	57.8	40.3	74.8



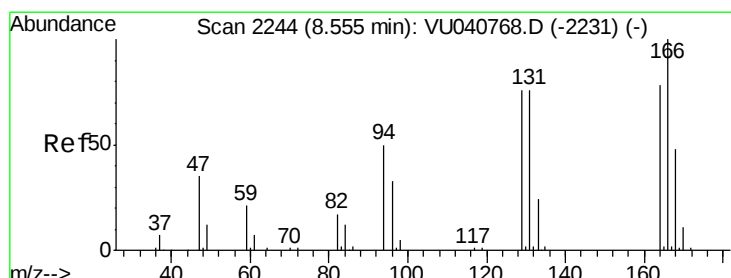
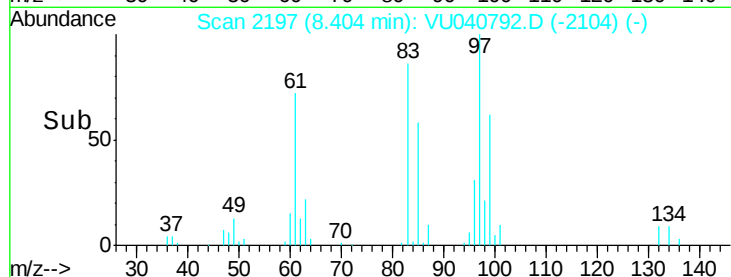
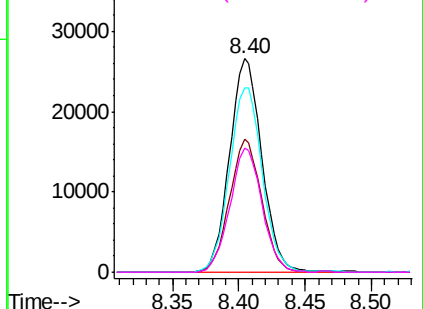
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

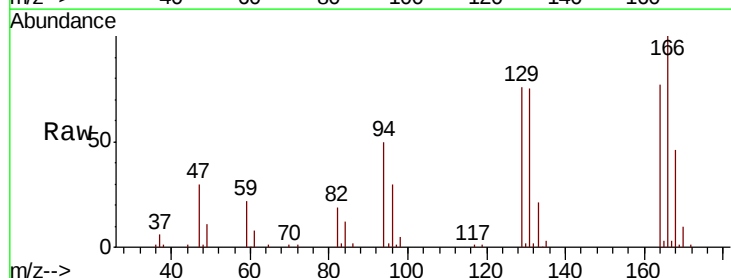
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.190 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040792.D
 Acq: 19 Oct 2020 09:52

Tgt Ion:	164	Resp:	39870
Ion	Ratio	Lower	Upper
164	100		
129	98.5	68.8	127.8
131	96.9	66.7	123.9
166	129.4	83.9	155.7



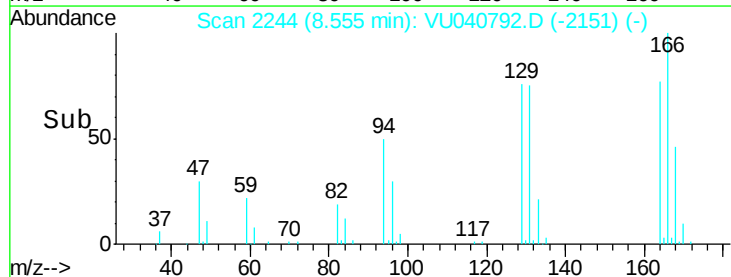
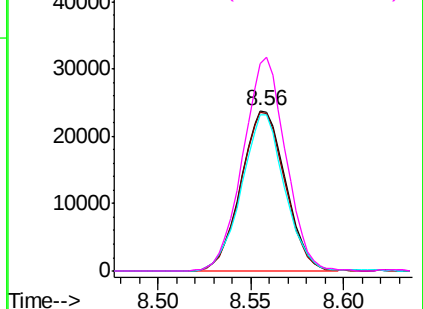
Abundance

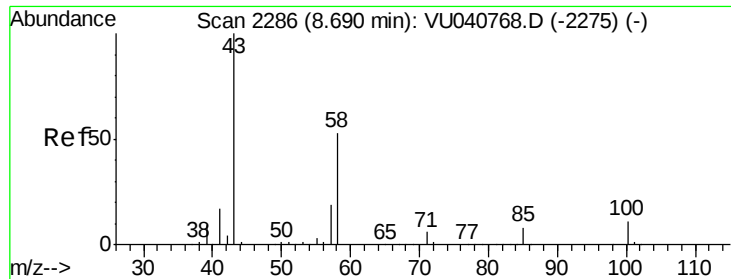
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

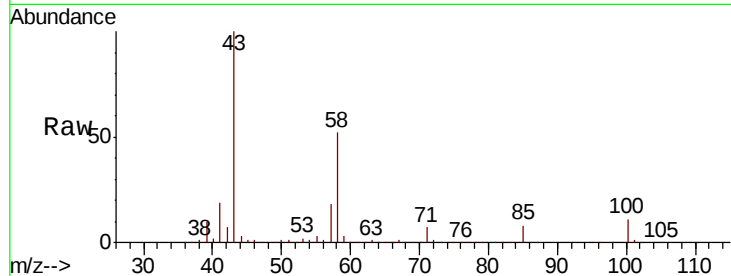




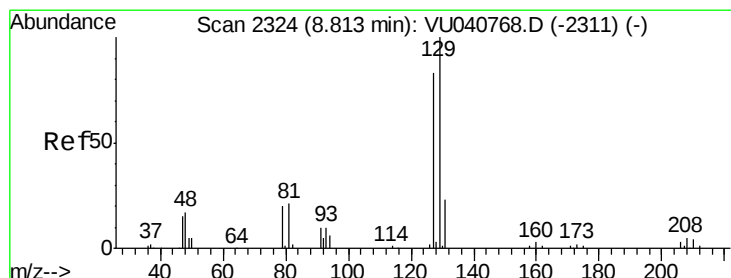
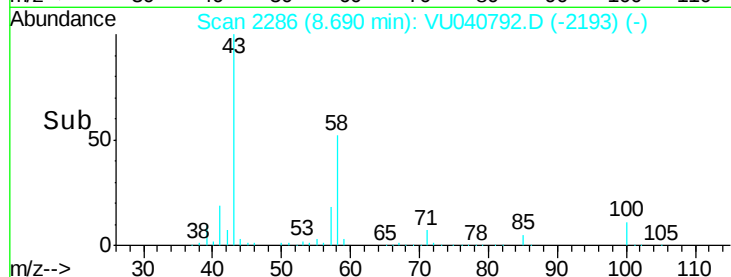
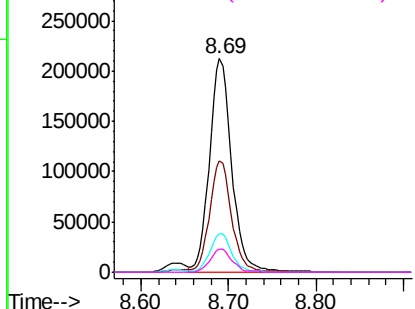
#48
2-Hexanone
Concen: 54.624 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040792.D
Acq: 19 Oct 2020 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Tot Ion: 43 Resp: 375273
Ion Ratio Lower Upper
43 100
58 50.5 41.0 61.6
57 17.9 14.4 21.6
100 10.8 8.6 13.0

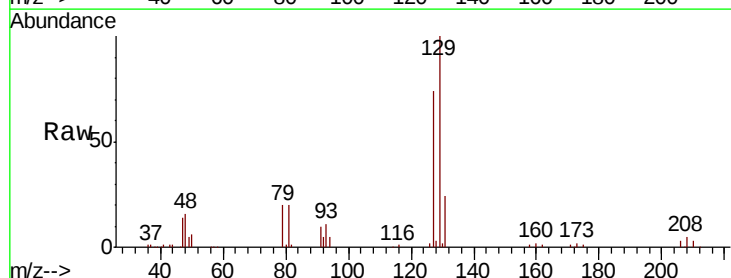


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

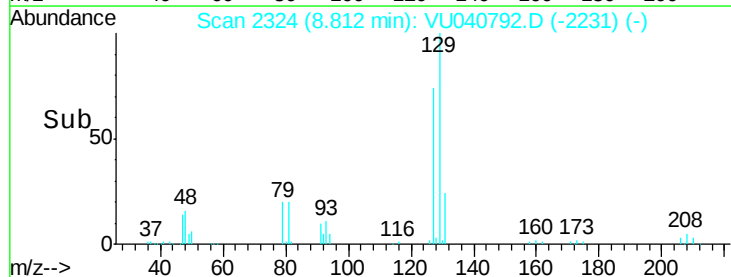
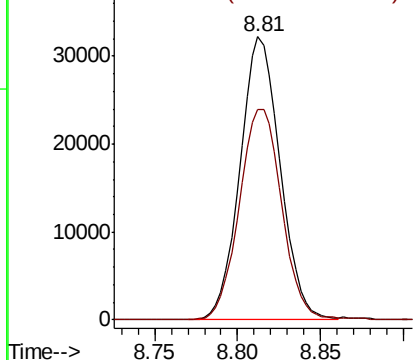


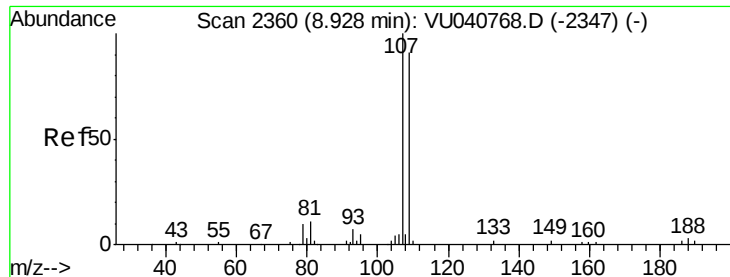
#49
Dibromochloromethane
Concen: 5.424 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040792.D
Acq: 19 Oct 2020 09:52

Tgt Ion: 129 Resp: 54101
Ion Ratio Lower Upper
129 100
127 74.1 55.8 103.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

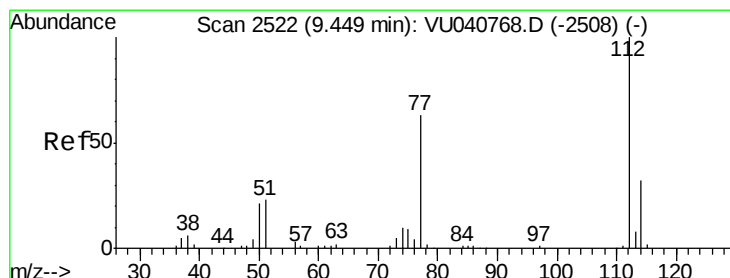
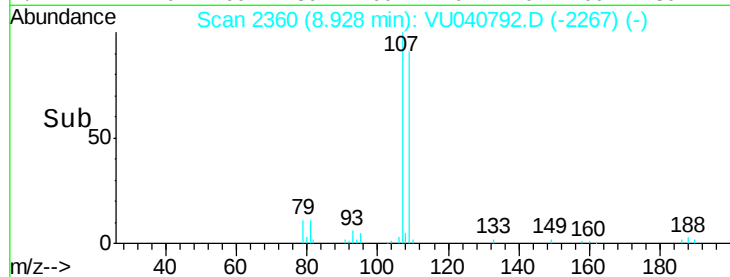
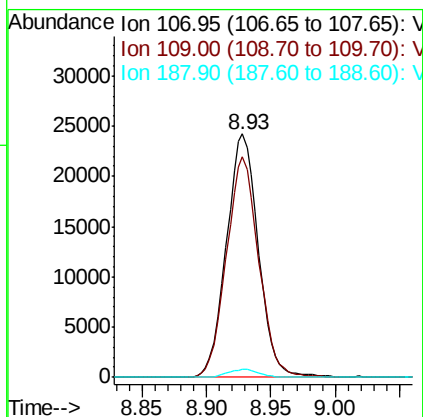
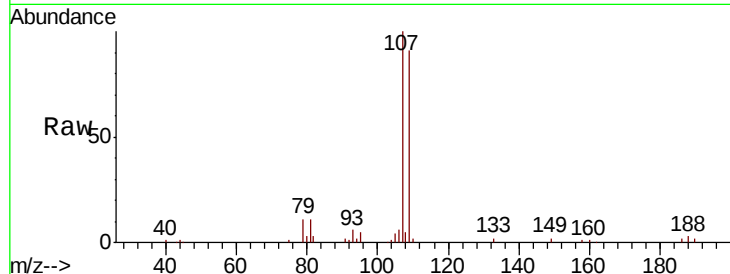




#50
 1,2-Dibromoethane
 Concen: 5.059 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040792.D
 Acq: 19 Oct 2020 09:52

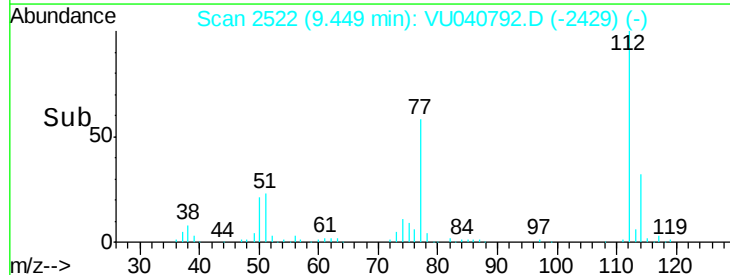
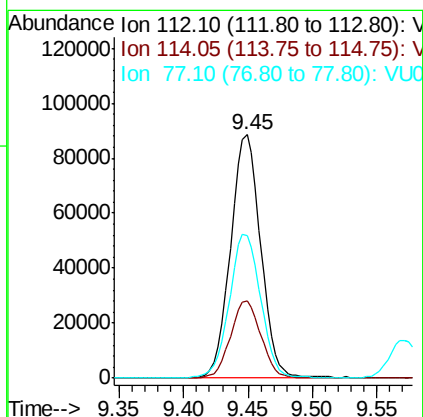
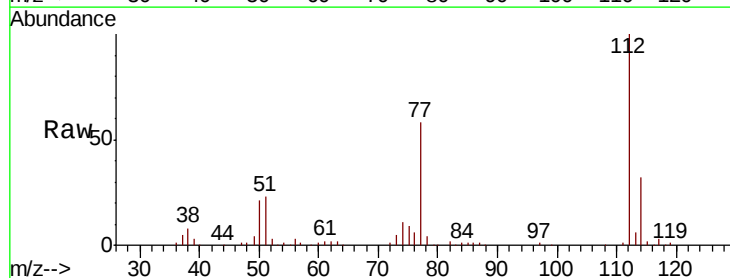
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

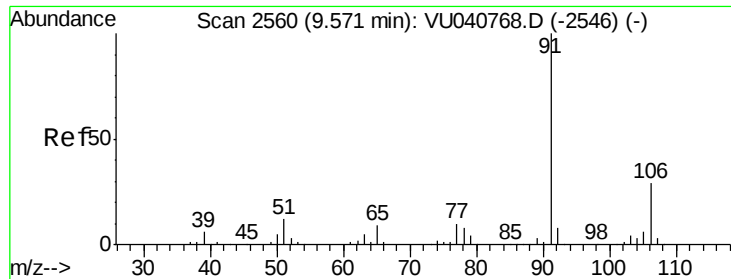
Tot Ion:107 Resp: 41599
 Ion Ratio Lower Upper
 107 100
 109 90.6 65.7 121.9
 188 3.1 3.0 4.4



#51
 Chlorobenzene
 Concen: 5.149 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040792.D
 Acq: 19 Oct 2020 09:52

Tgt Ion:112 Resp: 143562
 Ion Ratio Lower Upper
 112 100
 114 31.5 23.1 42.9
 77 58.4 50.3 75.5

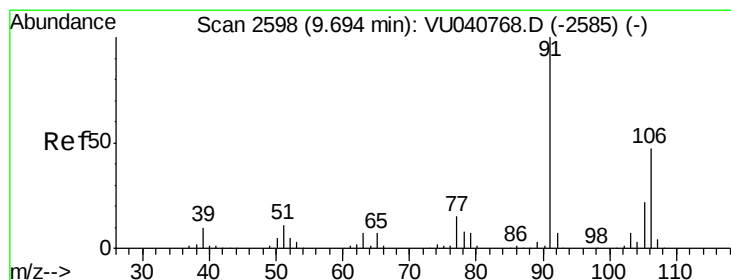
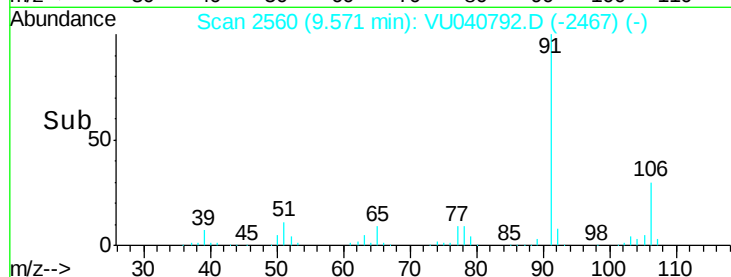
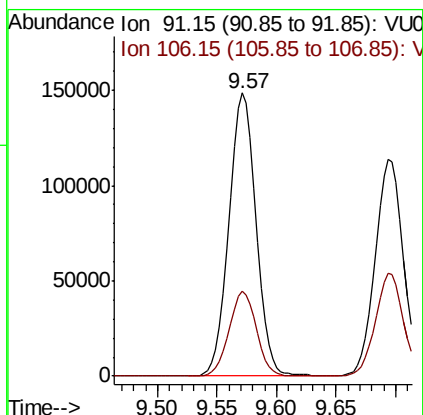
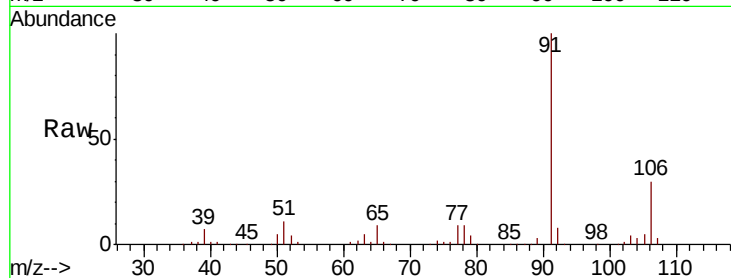




#52
Ethylbenzene
Concen: 5.137 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040792.D
Acq: 19 Oct 2020 09:52

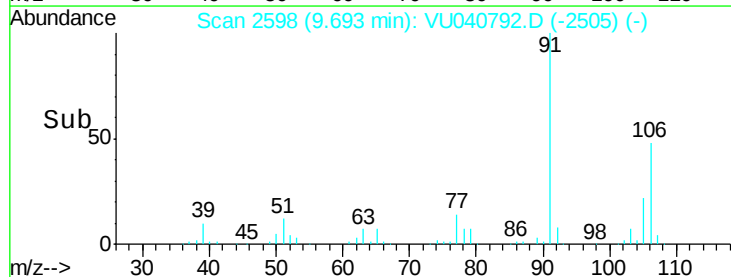
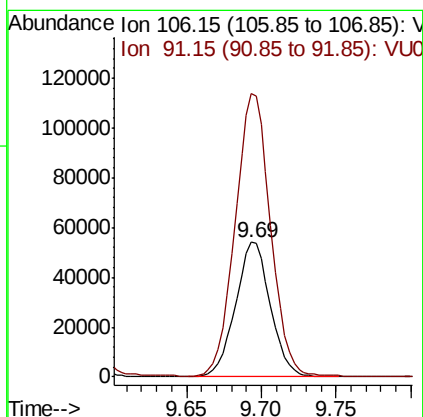
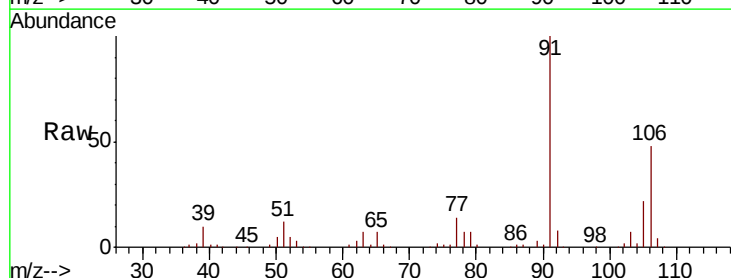
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

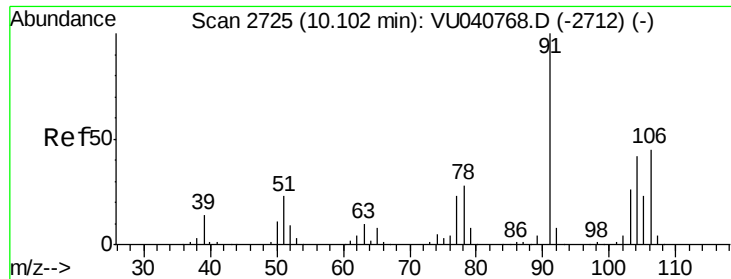
Tot Ion: 91 Resp: 235321
Ion Ratio Lower Upper
91 100
106 29.8 20.7 38.5



#53
m,p-Xylene
Concen: 5.212 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040792.D
Acq: 19 Oct 2020 09:52

Tgt Ion: 106 Resp: 87024
Ion Ratio Lower Upper
106 100
91 210.1 148.5 275.7

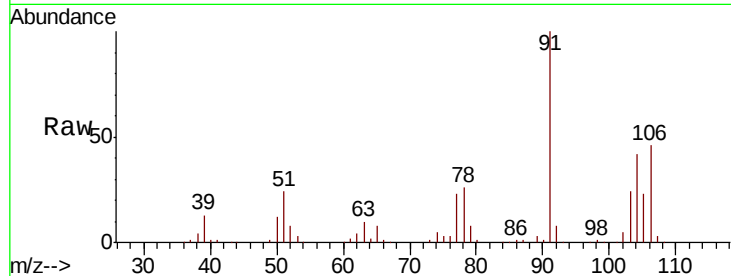




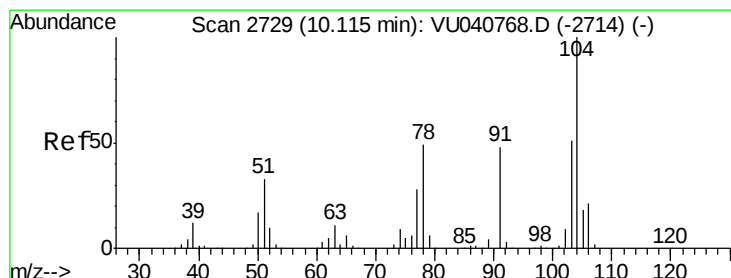
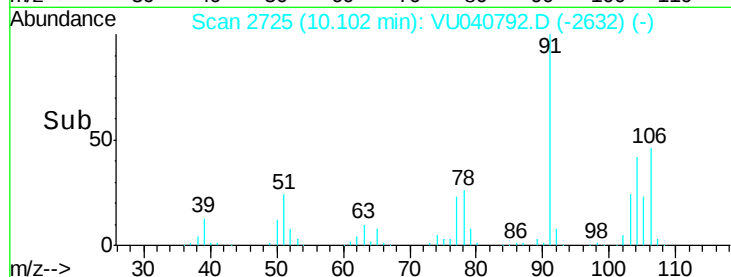
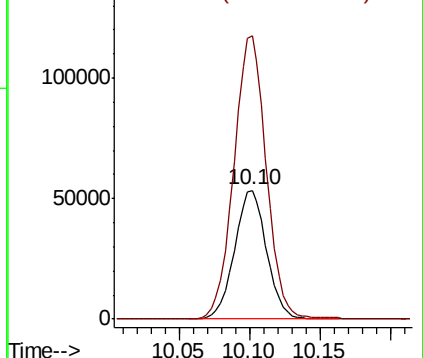
#54
o-Xylene
Concen: 5.302 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040792.D
Acq: 19 Oct 2020 09:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Tot Ion:106 Resp: 85135
Ion Ratio Lower Upper
106 100
91 219.2 160.2 297.4

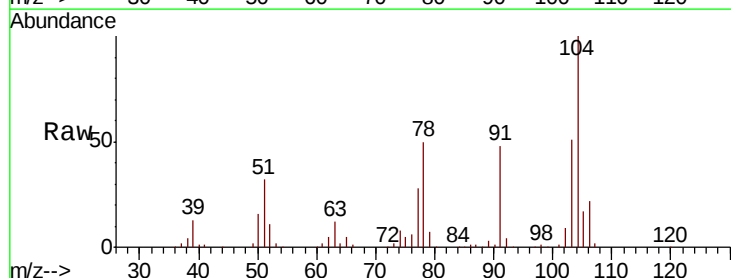


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

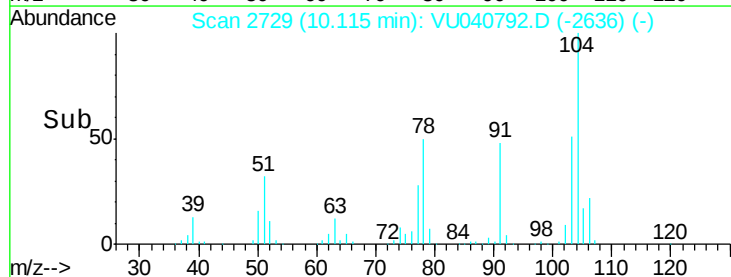
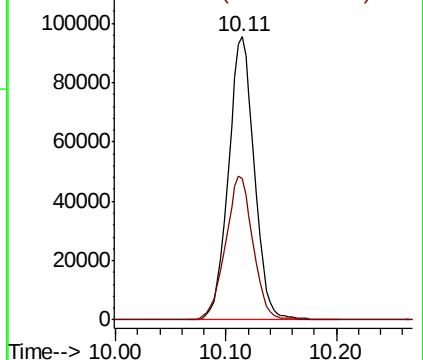


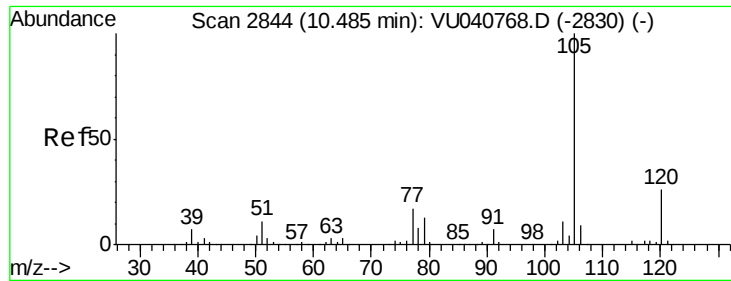
#55
Styrene
Concen: 5.565 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040792.D
Acq: 19 Oct 2020 09:52

Tgt Ion:104 Resp: 155185
Ion Ratio Lower Upper
104 100
78 49.7 34.6 64.3



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





#56

Isopropylbenzene

Concen: 5.306 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

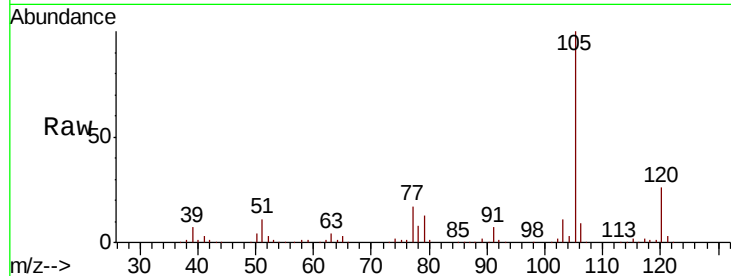
Tot Ion:105 Resp: 229353

Ion Ratio Lower Upper

105 100

120 25.8 20.6 30.8

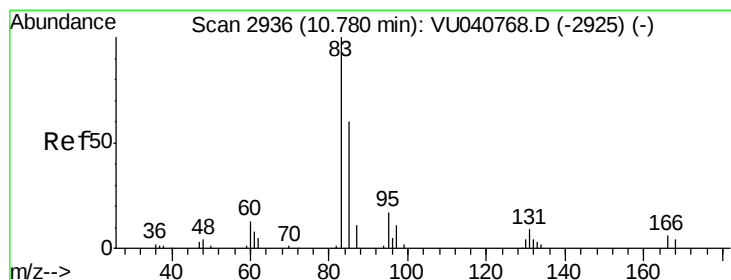
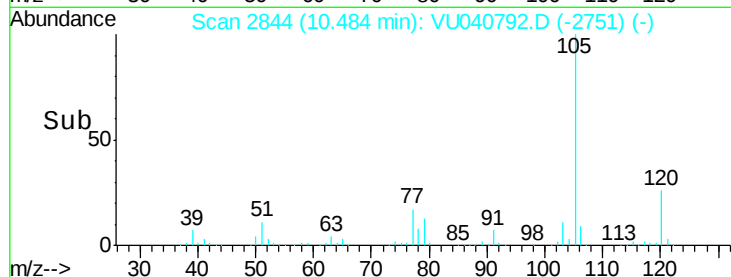
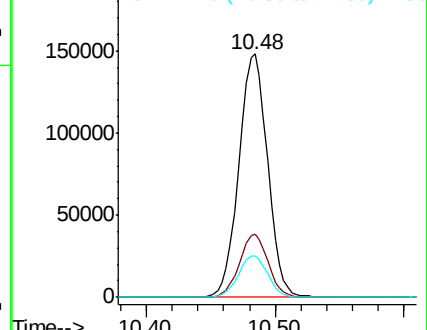
77 17.4 13.8 20.6



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: 5.294 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

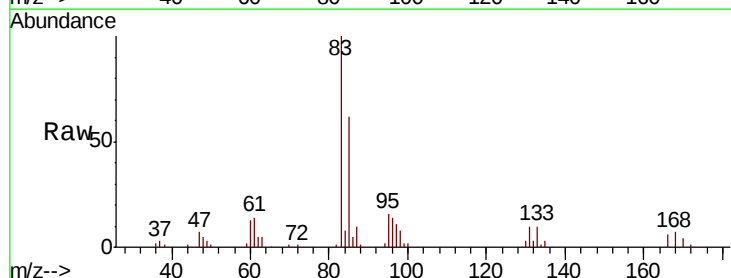
Tgt Ion: 83 Resp: 60250

Ion Ratio Lower Upper

83 100

85 62.0 45.6 84.6

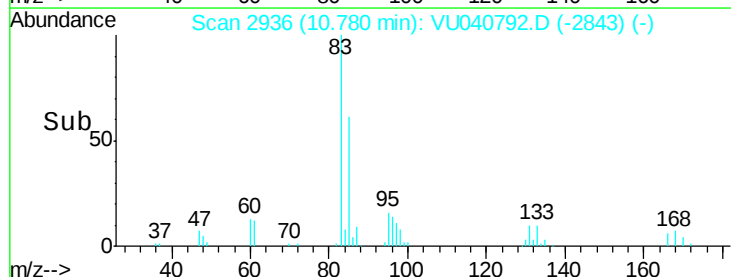
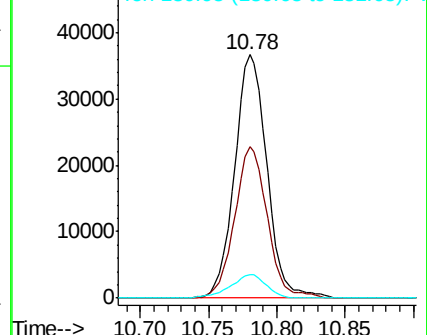
131 9.7 7.1 10.7

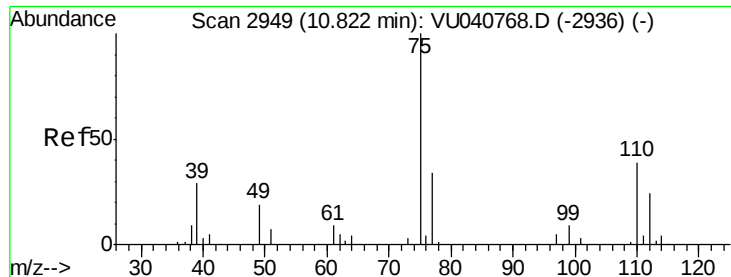


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.253 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

MSVOA_U

ClientSampleId :

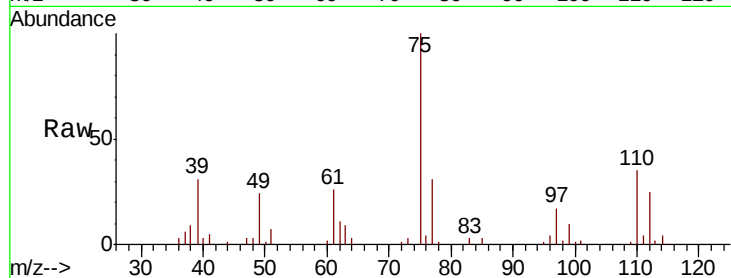
VSTD00517

Tot Ion: 75 Resp: 44664

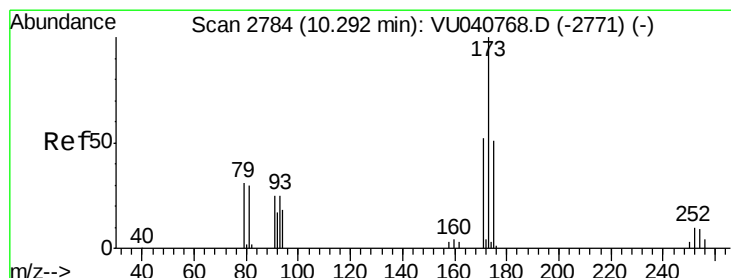
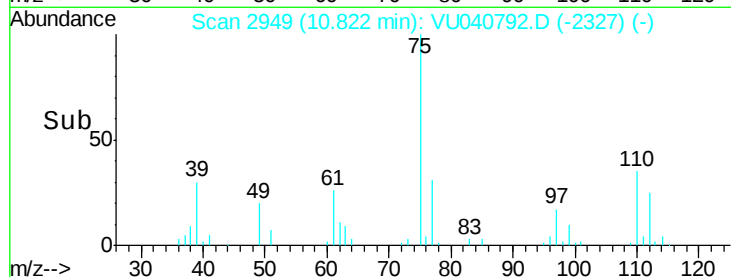
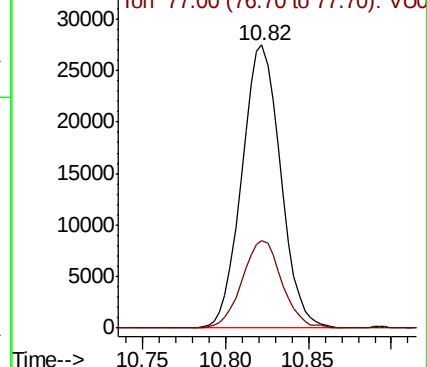
Ion Ratio Lower Upper

75 100

77 31.7 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040768.D (-2936) (-)



#61

Bromoform

Concen: 5.150 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

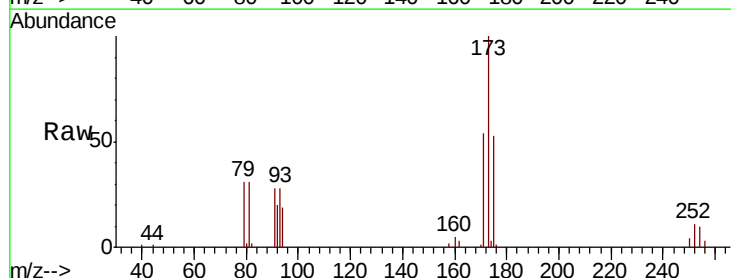
Tgt Ion: 173 Resp: 30362

Ion Ratio Lower Upper

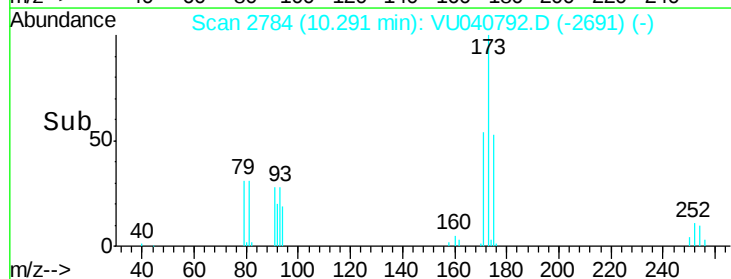
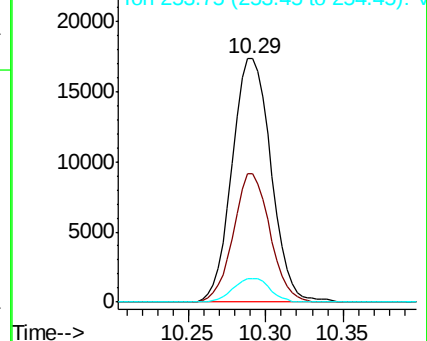
173 100

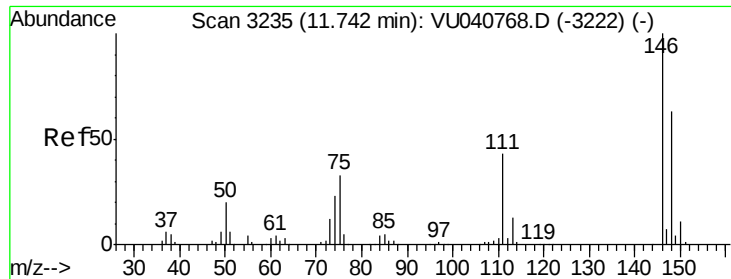
175 49.5 37.4 56.0

254 9.0 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VU040768.D (-2771) (-)

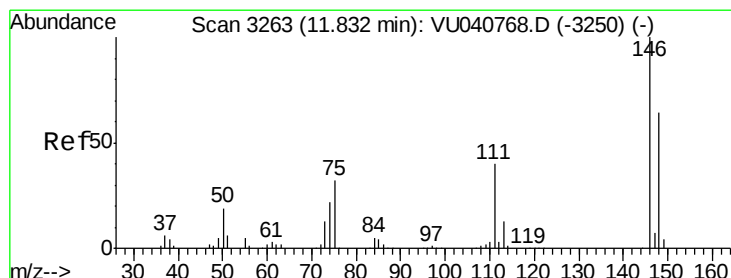
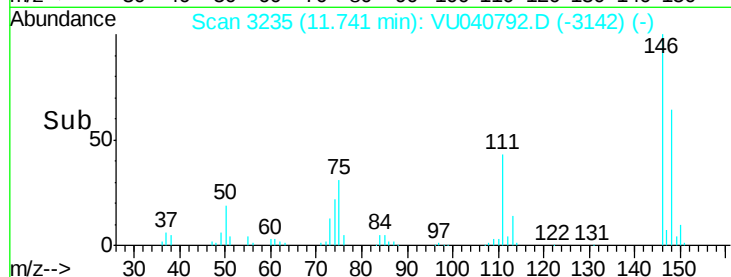
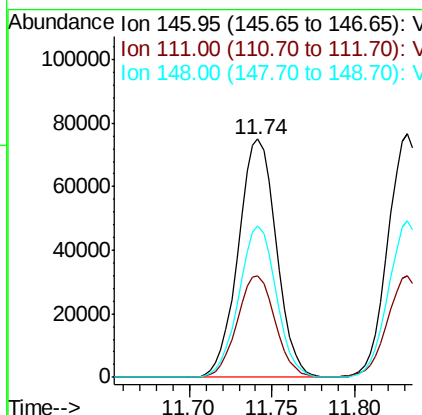
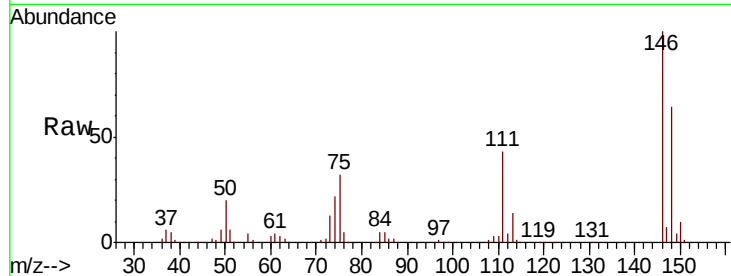




#62
 1,3-Dichlorobenzene
 Concen: 5.315 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040792.D
 Acq: 19 Oct 2020 09:52

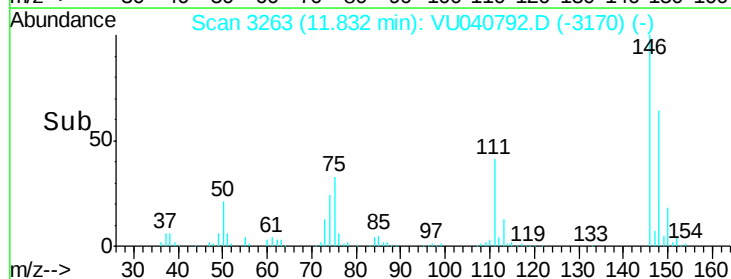
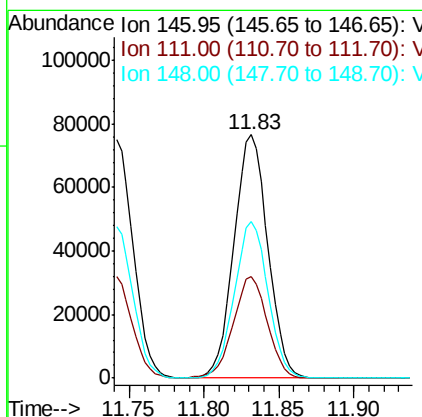
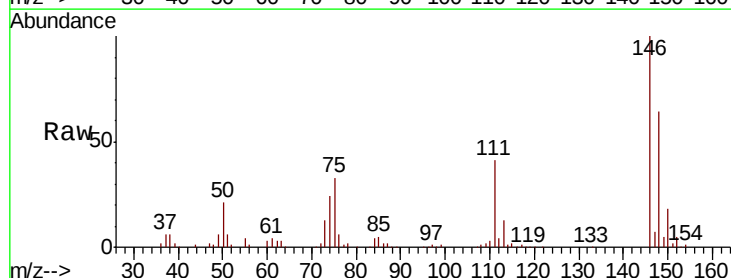
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

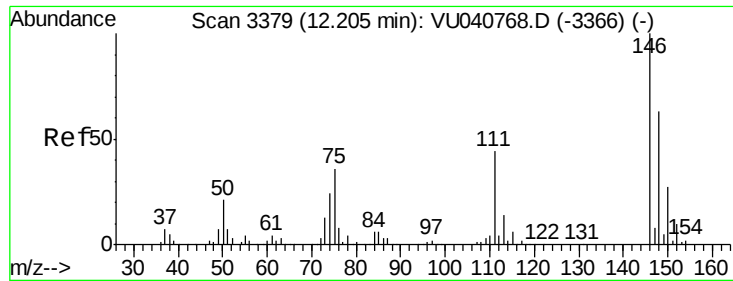
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	28.8	53.6
148	63.6	44.4	82.4



#63
 1,4-Dichlorobenzene
 Concen: 5.194 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040792.D
 Acq: 19 Oct 2020 09:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	28.4	52.8
148	64.4	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 5.245 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

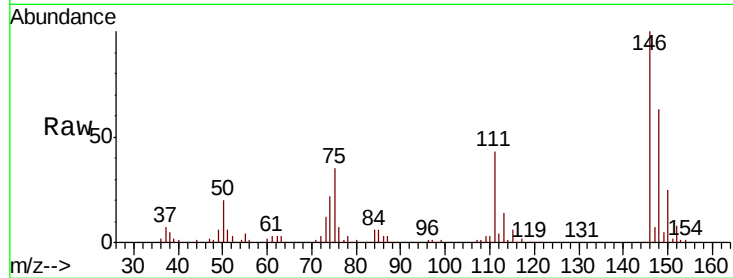
Tot Ion:146 Resp: 115426

Ion Ratio Lower Upper

146 100

111 43.5 34.4 51.6

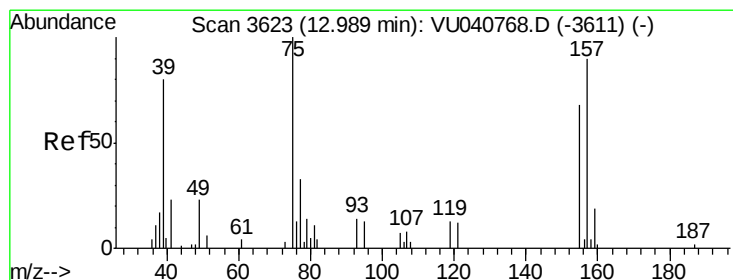
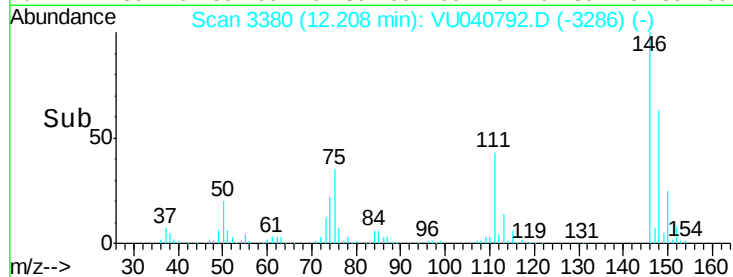
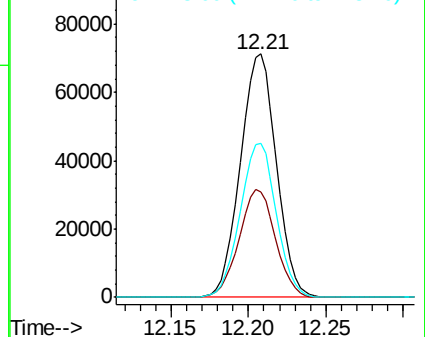
148 63.5 50.0 75.0



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: 5.240 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

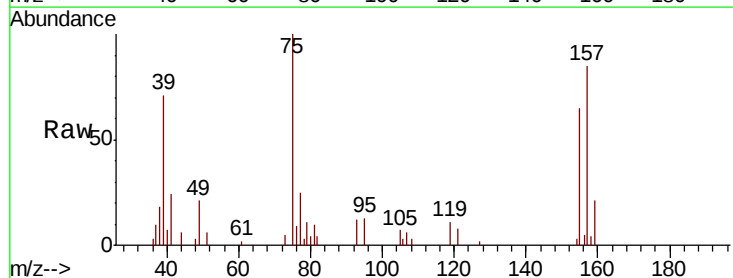
Tgt Ion: 75 Resp: 10097

Ion Ratio Lower Upper

75 100

155 65.5 53.8 80.6

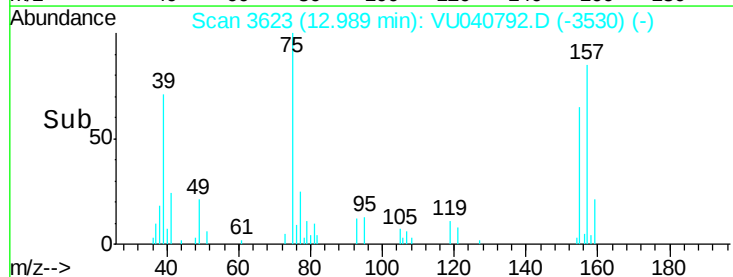
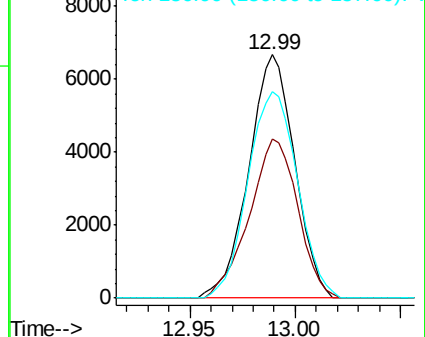
157 84.8 74.6 112.0

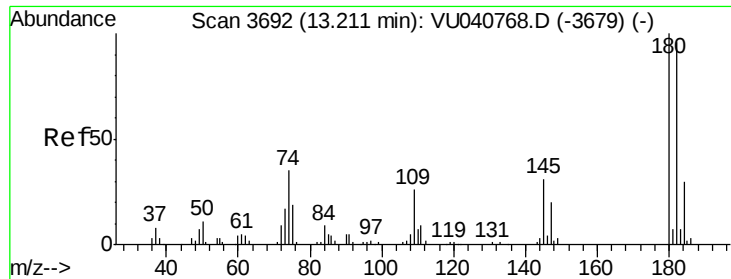


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

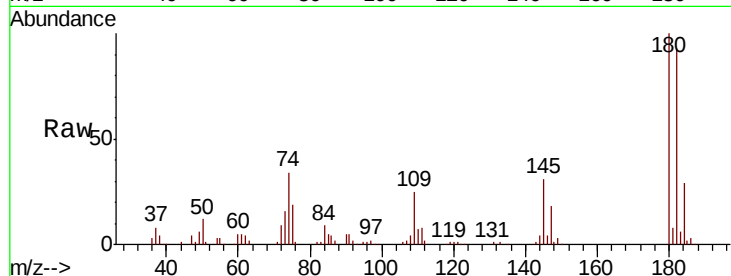




#67
 1,3,5-Trichlorobenzene
 Concen: 5.114 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040792.D
 Acq: 19 Oct 2020 09:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	77.0	115.4
184	29.7	24.5	36.7
145	31.7	25.9	38.9



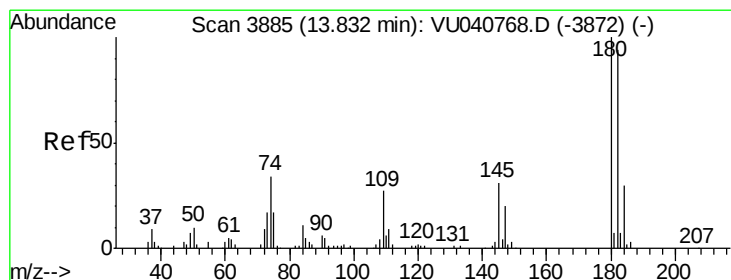
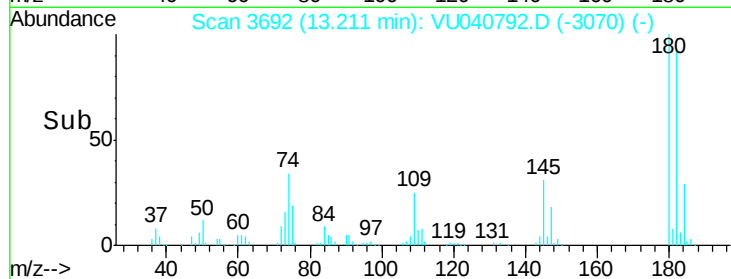
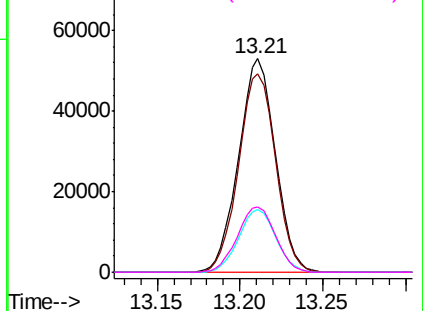
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

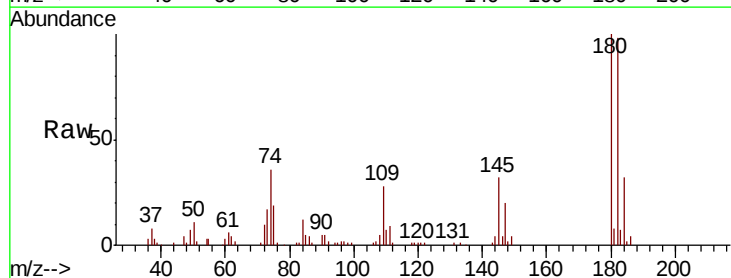
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.186 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040792.D
 Acq: 19 Oct 2020 09:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	78.8	118.2
145	31.7	26.1	39.1

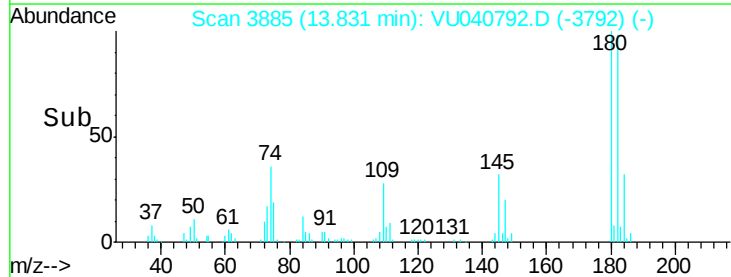
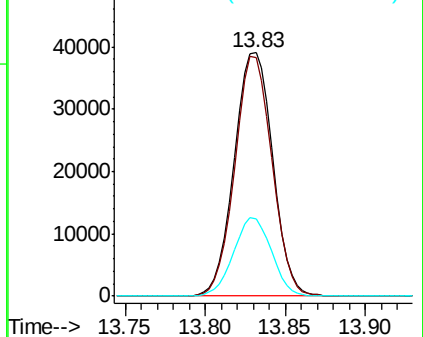


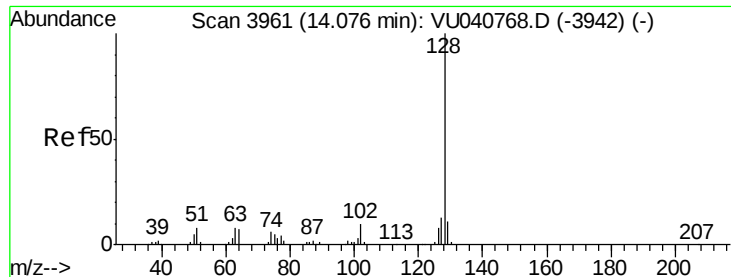
Abundance

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: 4.807 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

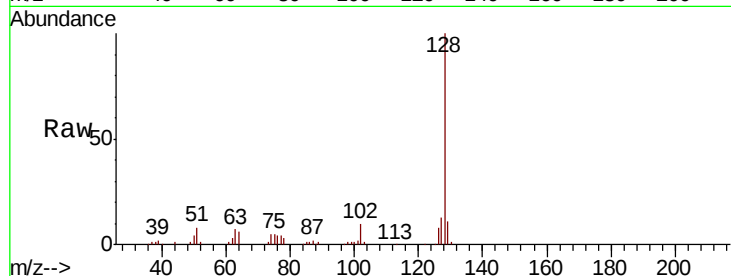
Tot Ion:128 Resp: 97038

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.4

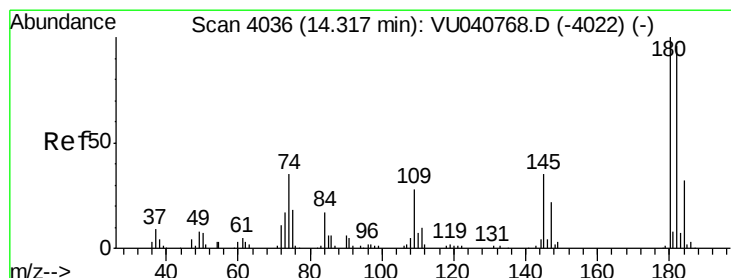
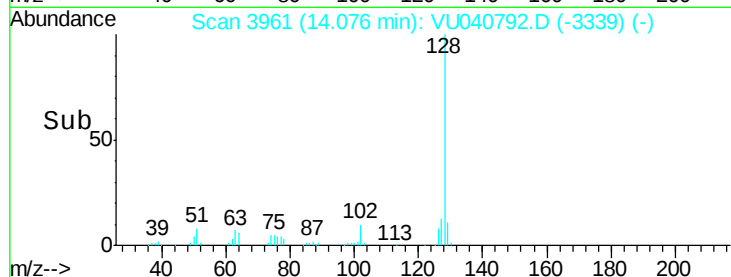
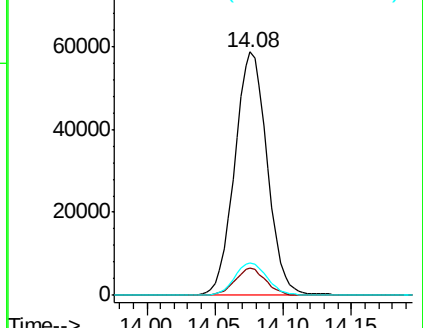
127 13.4 10.2 15.4



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: 5.248 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040792.D

Acq: 19 Oct 2020 09:52

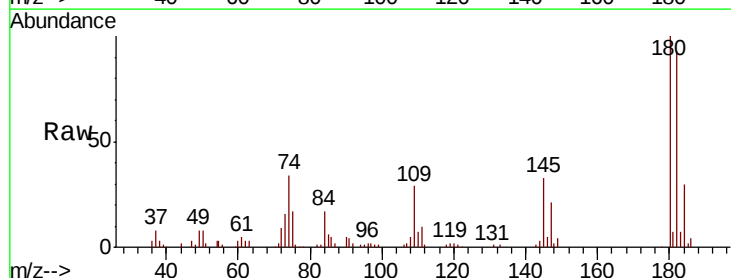
Tgt Ion:180 Resp: 60144

Ion Ratio Lower Upper

180 100

182 92.9 75.8 113.8

145 33.9 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

