

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111620\
 Data File : VU041240.D
 Acq On : 16 Nov 2020 11:27
 Operator : SY/MD
 Sample : VSTD0.503
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Quant Time: Nov 16 11:56:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 16 11:40:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	70921	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	72989	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	33025	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	2798	0.54	ug/L	0.00
7) Chloroethane-d5	1.92	69	2125	0.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	5460	0.51	ug/L	0.00
20) 2-Butanone-d5	4.66	46	9820	4.57	ug/L	0.02
24) Chloroform-d	5.08	84	5764	0.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	3820	0.52	ug/L	0.00
32) Benzene-d6	5.74	84	10116	0.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	3498	0.52	ug/L	0.00
41) Toluene-d8	7.91	98	8859	0.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	1330	0.46	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	6037	3.87	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	3593	0.55	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	3539	0.55	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	3200	0.547	ug/L	99
3) Chloromethane	1.53	50	3854	0.611	ug/L	99
5) Vinyl chloride	1.61	62	3450	0.560	ug/L	98
6) Bromomethane	1.87	94	2149	0.588	ug/L	96
8) Chloroethane	1.94	64	2341	0.573	ug/L	94
9) Trichlorofluoromethane	2.15	101	5381	0.561	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2801	0.536	ug/L	91
12) 1,1-Dichloroethene	2.59	96	2680	0.581	ug/L	80
13) Acetone	2.66	43	7825	5.484	ug/L #	65
14) Carbon disulfide	2.81	76	7480	0.551	ug/L	98
15) Methyl Acetate	2.97	43	1480	0.499	ug/L #	75
16) Methylene chloride	3.06	84	3527	0.609	ug/L	83
17) Methyl tert-butyl Ether	3.38	73	6118	0.484	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	2191	0.487	ug/L	81
19) 1,1-Dichloroethane	3.89	63	5267	0.524	ug/L	99
21) 2-Butanone	4.74	43	11572	5.342	ug/L	94
22) cis-1,2-Dichloroethene	4.68	96	2677	0.527	ug/L	96
23) Bromochloromethane	4.99	128	1222	0.485	ug/L #	85
25) Chloroform	5.10	83	6606	0.606	ug/L	95
27) 1,2-Dichloroethane	5.81	62	4294	0.548	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	5312	0.595	ug/L	94
30) Cyclohexane	5.40	56	4021	0.545	ug/L	96
31) Carbon tetrachloride	5.53	117	2065	0.300	ug/L #	1
33) Benzene	5.79	78	10654	0.539	ug/L	100
34) Trichloroethene	6.56	95	3049	0.570	ug/L	95
35) Methylcyclohexane	6.77	83	3670	0.517	ug/L	97
37) 1,2-Dichloropropane	6.80	63	3033	0.525	ug/L #	86
38) Bromodichloromethane	7.11	83	4276	0.566	ug/L #	82
39) cis-1,3-Dichloropropene	7.61	75	4168	0.517	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	24418	5.103	ug/L	98

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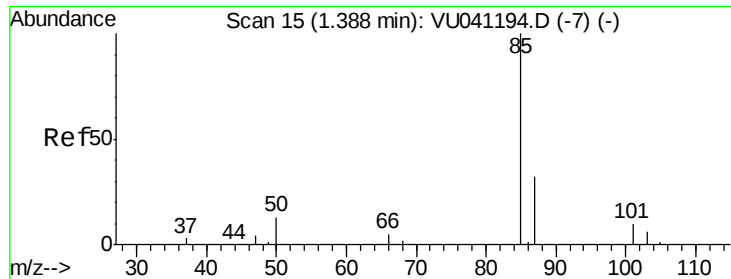
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.97	91	10696	0.506	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	3770	0.494	ug/L #	81
45) 1,1,2-Trichloroethane	8.40	97	2421	0.541	ug/L	89
47) Tetrachloroethene	8.56	164	2164	0.548	ug/L	83
48) 2-Hexanone	8.69	43	17069	4.779	ug/L	95
49) Dibromochloromethane	8.81	129	2794	0.527	ug/L	89
50) 1,2-Dibromoethane	8.93	107	2094	0.505	ug/L #	98
51) Chlorobenzene	9.45	112	7532	0.538	ug/L	96
52) Ethylbenzene	9.57	91	11489	0.509	ug/L	97
53) m,p-Xylene	9.69	106	3813	0.467	ug/L	97
54) o-Xylene	10.10	106	3847	0.490	ug/L	96
55) Styrene	10.11	104	6391	0.459	ug/L	100
56) Isopropylbenzene	10.48	105	9740	0.468	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.78	83	3352	0.573	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	2576	0.565	ug/L	99
61) Bromoform	10.29	173	1818	0.601	ug/L #	96
62) 1,3-Dichlorobenzene	11.74	146	5426	0.546	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	6013	0.587	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	5930	0.600	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.99	75	504	0.549	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	4024	0.569	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	3236	0.550	ug/L #	92
69) Naphthalene	14.08	128	4375	0.460	ug/L	96
70) 1,2,3-Trichlorobenzene	14.32	180	3190	0.584	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 0.547 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

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Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

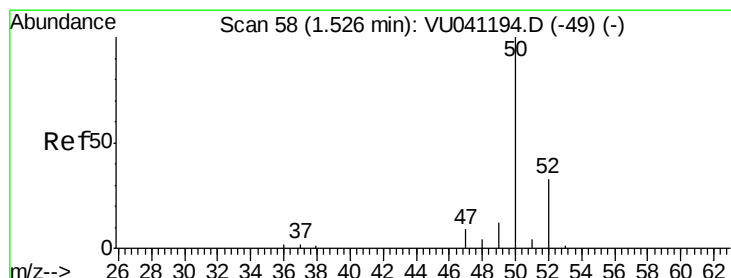
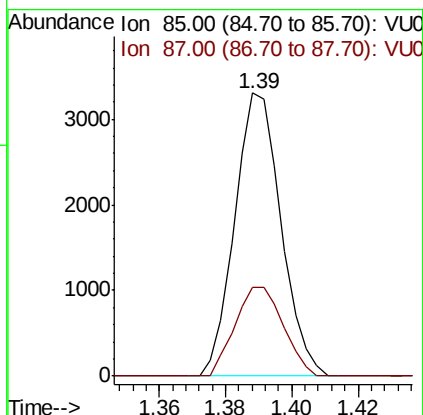
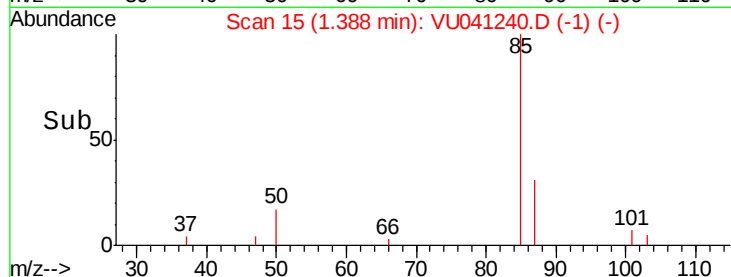
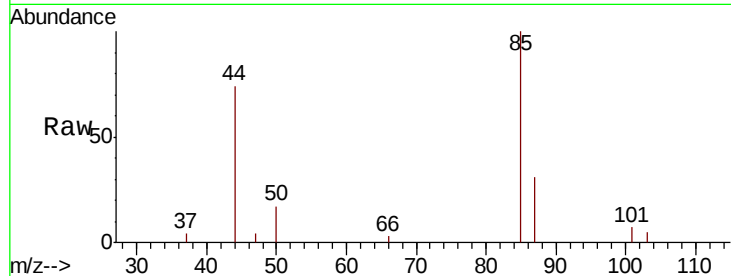
VSTD0.503

Tot Ion: 85 Resp: 3200

Ion Ratio Lower Upper

85 100

87 32.8 25.8 38.8



#3

Chloromethane

Concen: 0.611 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041240.D

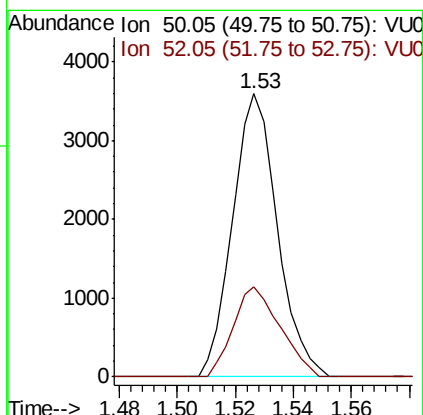
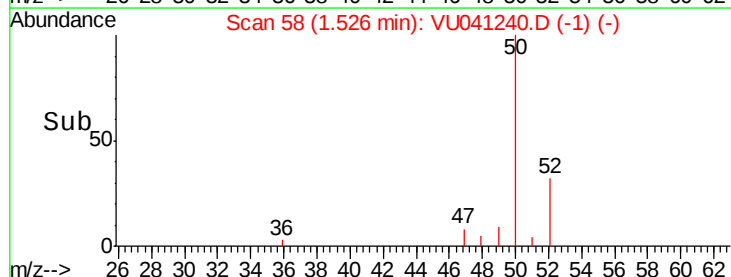
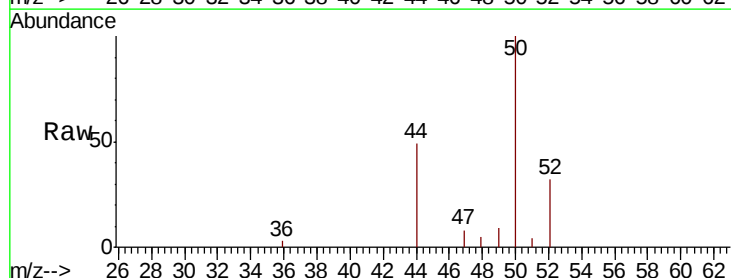
Acq: 16 Nov 2020 11:27

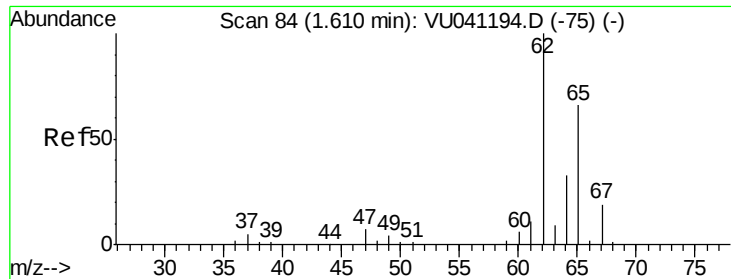
Tgt Ion: 50 Resp: 3854

Ion Ratio Lower Upper

50 100

52 31.6 22.4 41.6





#5

Vinyl chloride

Concen: 0.560 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

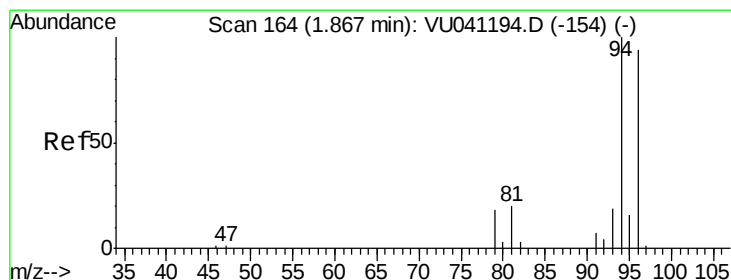
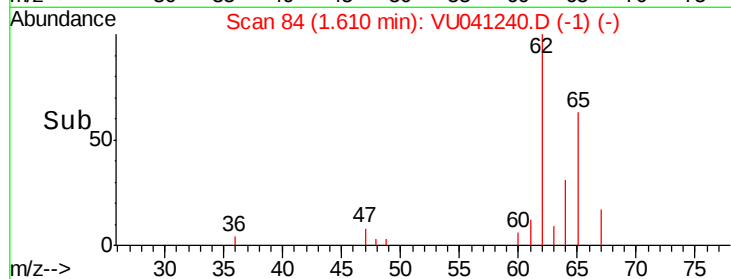
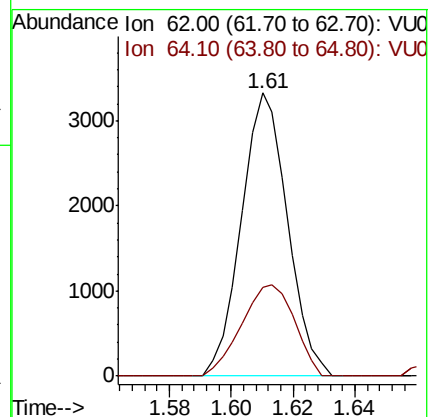
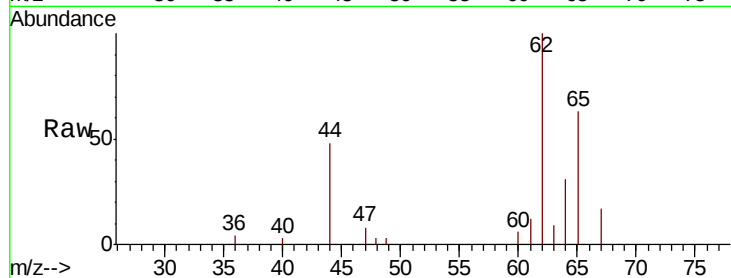
VSTD0.503

Tot Ion: 62 Resp: 3450

Ion Ratio Lower Upper

62 100

64 31.4 22.7 42.3



#6

Bromomethane

Concen: 0.588 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041240.D

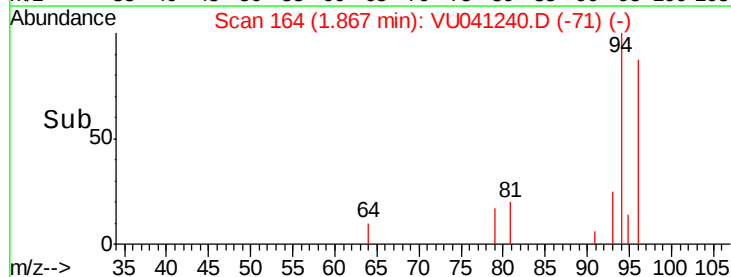
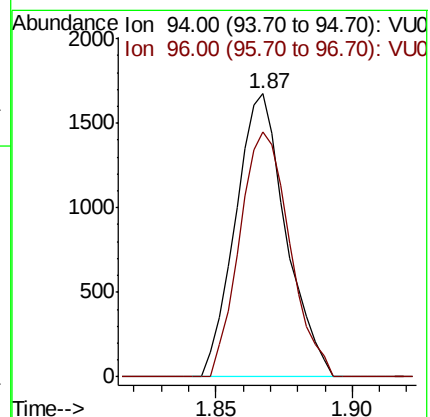
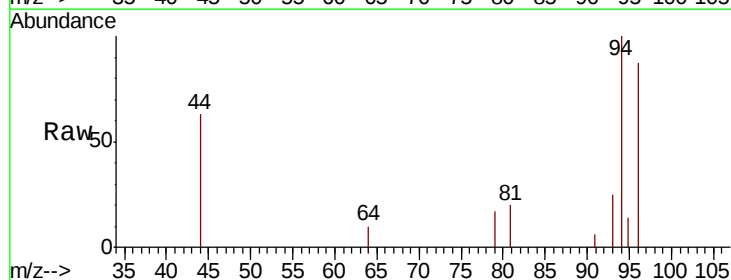
Acq: 16 Nov 2020 11:27

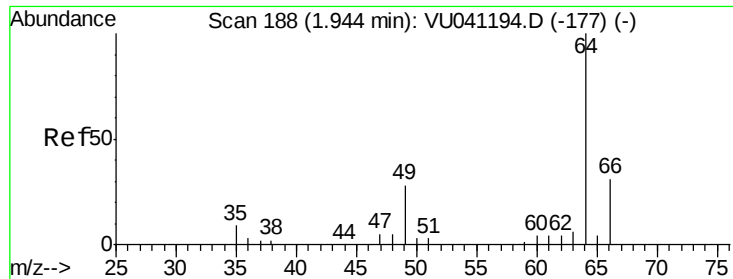
Tgt Ion: 94 Resp: 2149

Ion Ratio Lower Upper

94 100

96 86.7 63.5 117.9

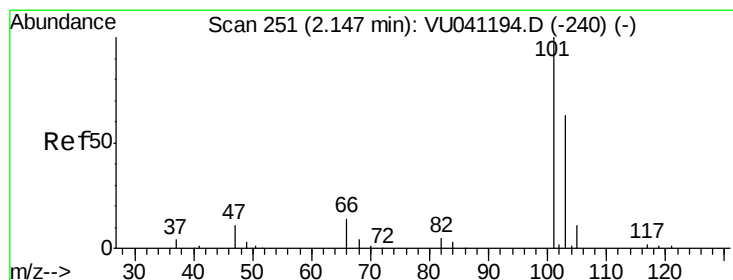
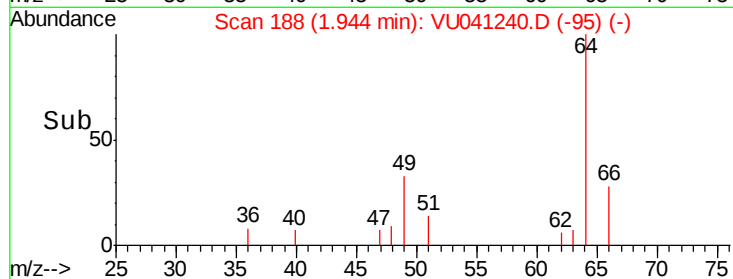
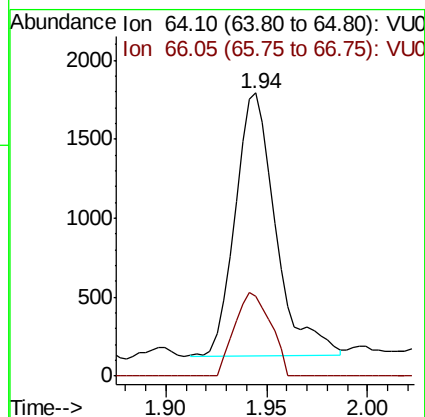
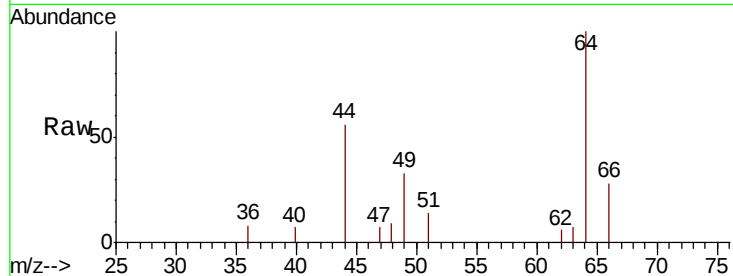




#8
Chloroethane
Concen: 0.573 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041240.D
Acq: 16 Nov 2020 11:27

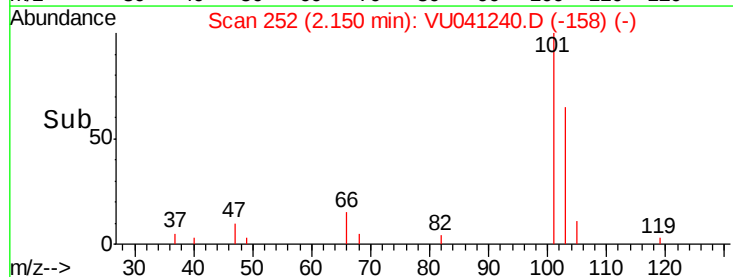
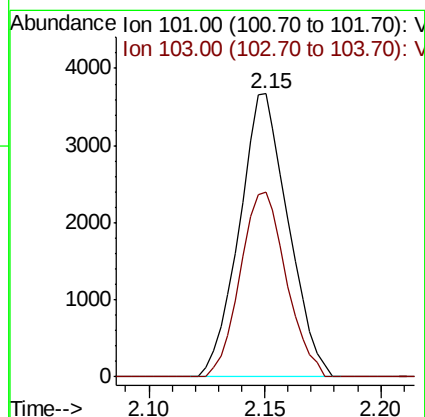
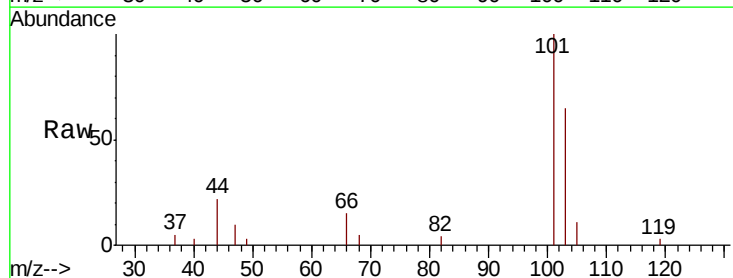
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

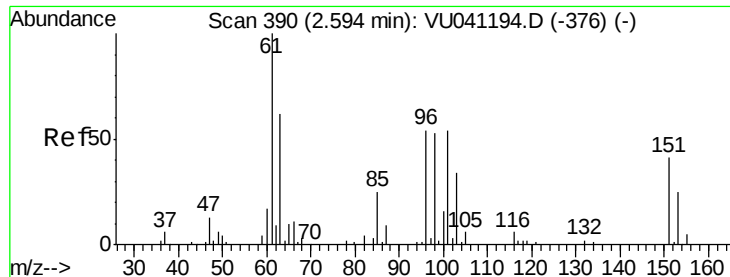
Tot Ion: 64 Resp: 2341
Ion Ratio Lower Upper
64 100
66 28.3 22.3 41.5



#9
Trichlorofluoromethane
Concen: 0.561 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041240.D
Acq: 16 Nov 2020 11:27

Tgt Ion: 101 Resp: 5381
Ion Ratio Lower Upper
101 100
103 61.4 51.0 76.4





#10

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

Concen: 0.536 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

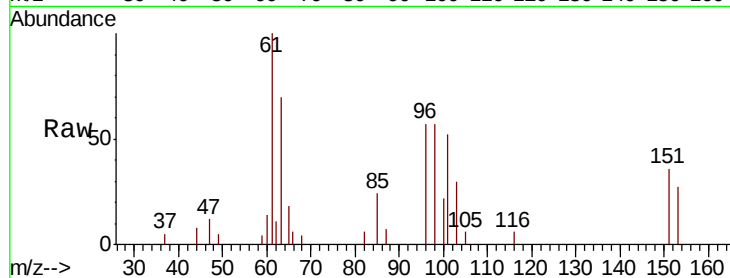
Tot Ion:101 Resp: 2801

Ion Ratio Lower Upper

101 100

85 50.2 35.0 52.4

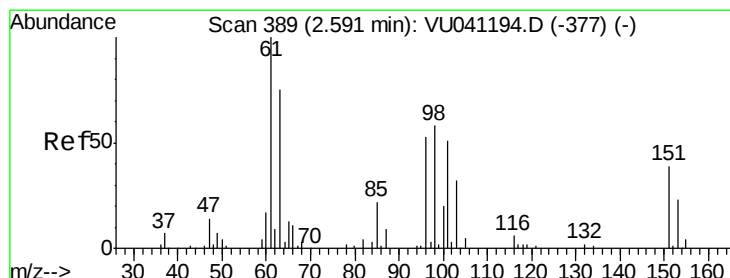
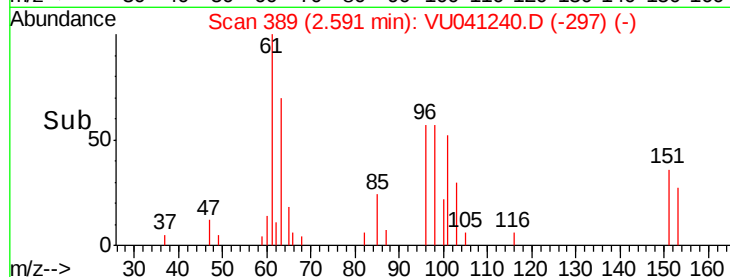
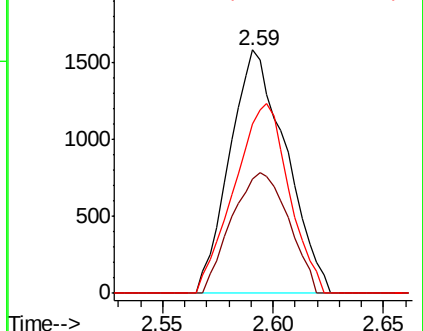
151 75.8 55.3 82.9



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: 0.581 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

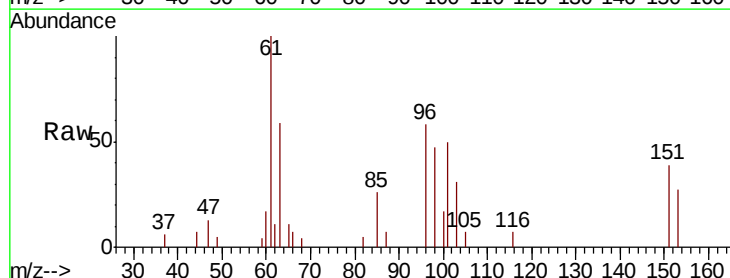
Tgt Ion: 96 Resp: 2680

Ion Ratio Lower Upper

96 100

61 171.9 134.3 249.5

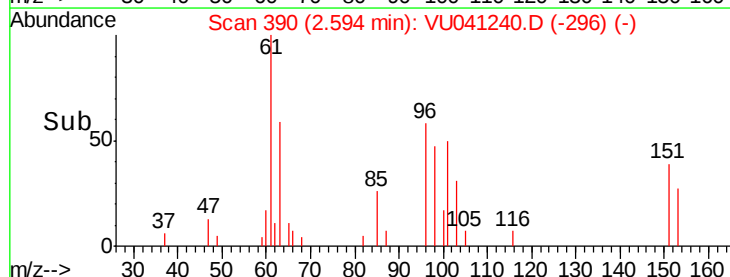
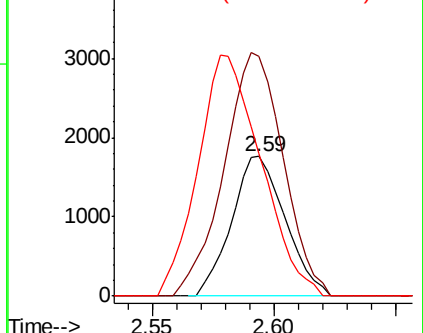
63 102.2 95.0 176.4

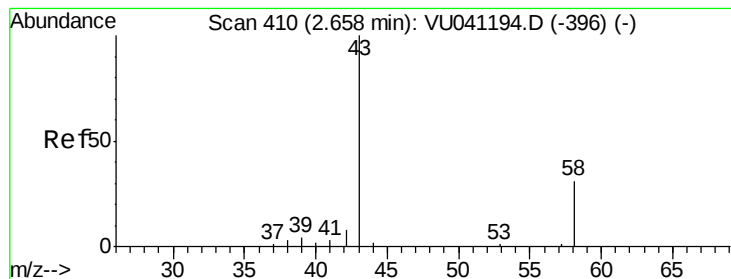


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.484 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

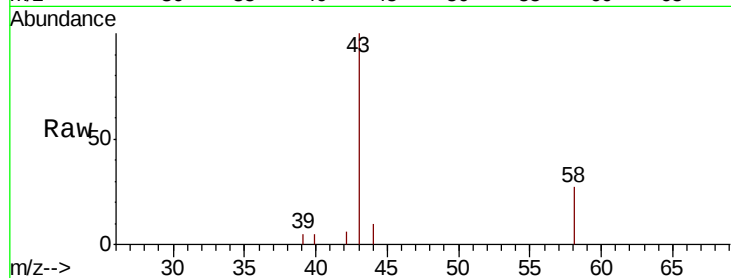
VSTD0.503

Tot Ion: 43 Resp: 7825

Ion Ratio Lower Upper

43 100

58 26.6 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041194.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041194.D (-396) (-)

2.66

2500

2000

1500

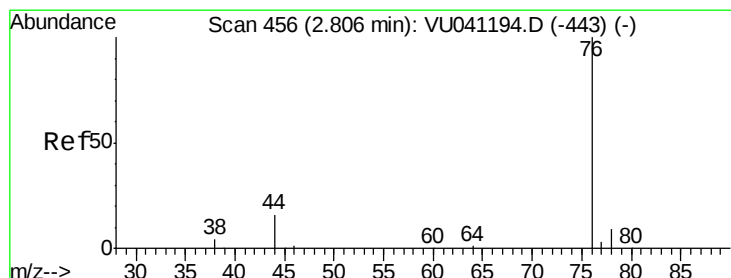
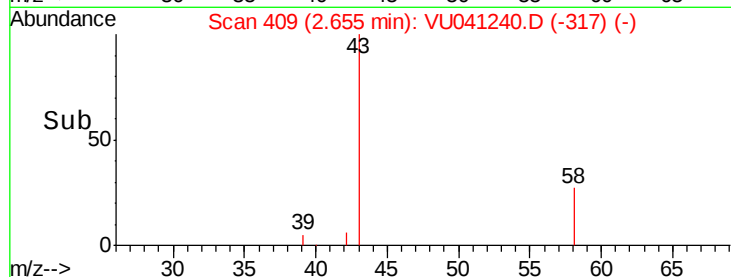
1000

500

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 0.551 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041240.D

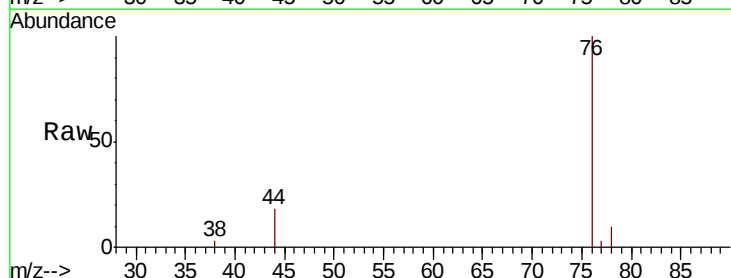
Acq: 16 Nov 2020 11:27

Tgt Ion: 76 Resp: 7480

Ion Ratio Lower Upper

76 100

78 10.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041194.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041194.D (-443) (-)

2.81

5000

4000

3000

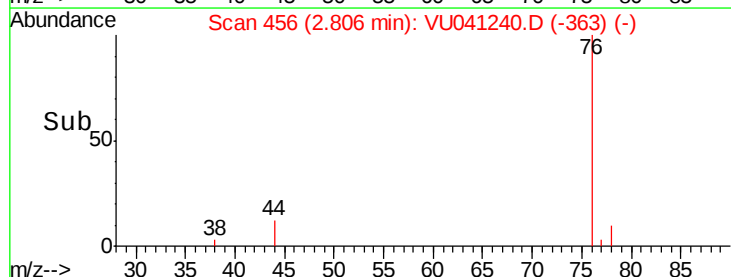
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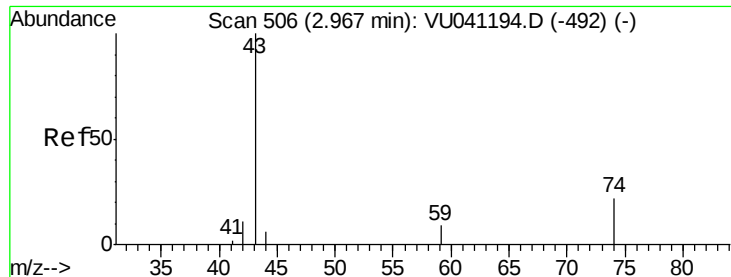
1000

0

Time-->

2.75 2.80 2.85





#15

Methyl Acetate

Concen: 0.499 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.01 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

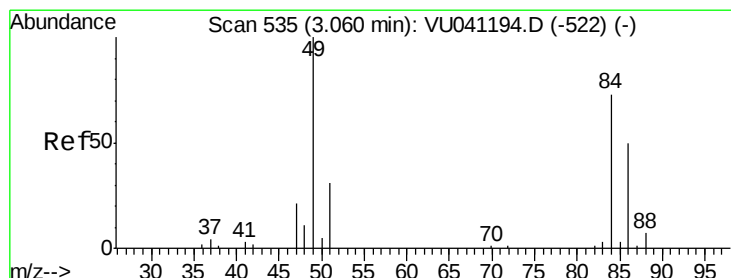
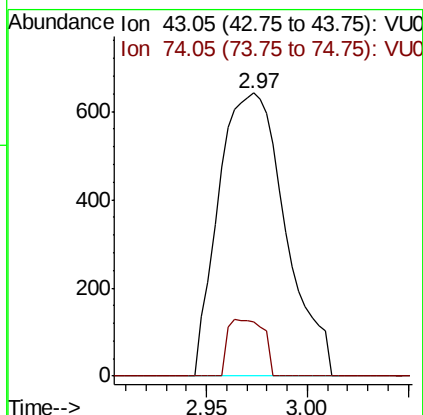
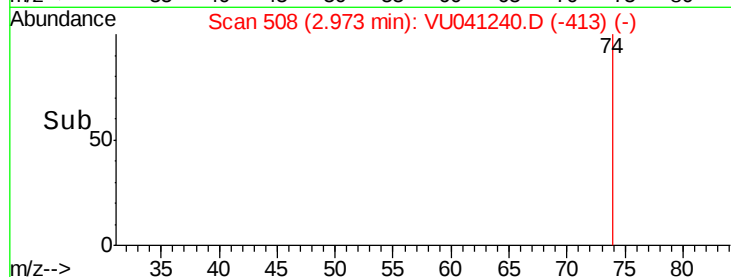
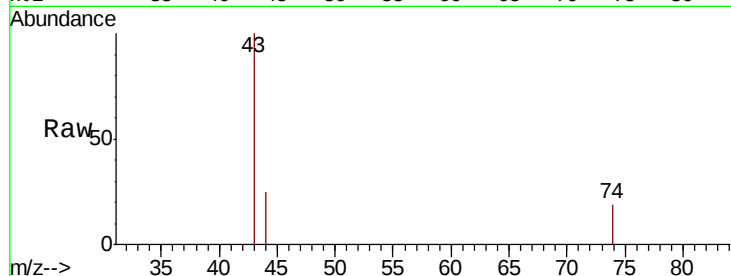
VSTD0.503

Tot Ion: 43 Resp: 1480

Ion Ratio Lower Upper

43 100

74 10.9 18.3 27.5#



#16

Methylene chloride

Concen: 0.609 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

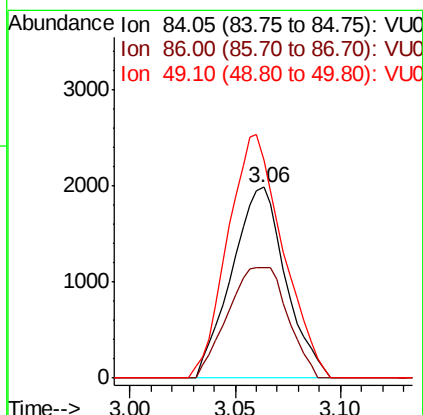
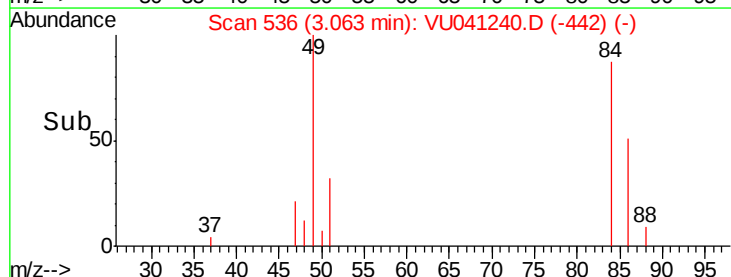
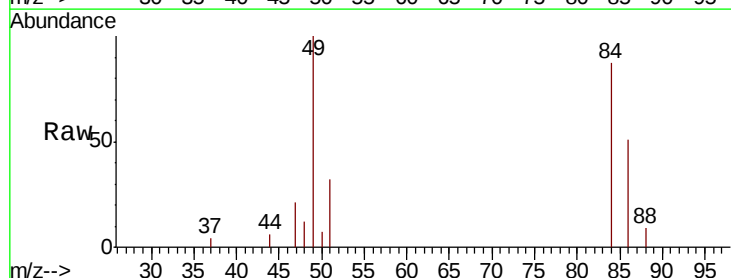
Tgt Ion: 84 Resp: 3527

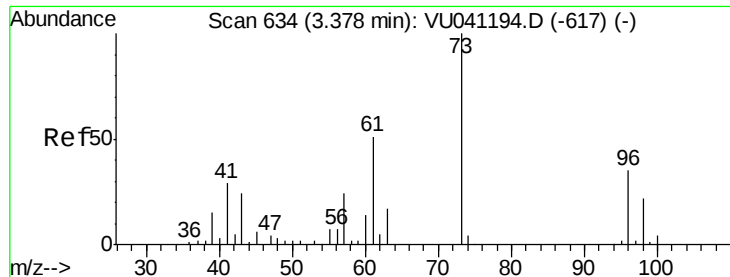
Ion Ratio Lower Upper

84 100

86 57.9 42.8 79.6

49 114.6 99.5 184.7

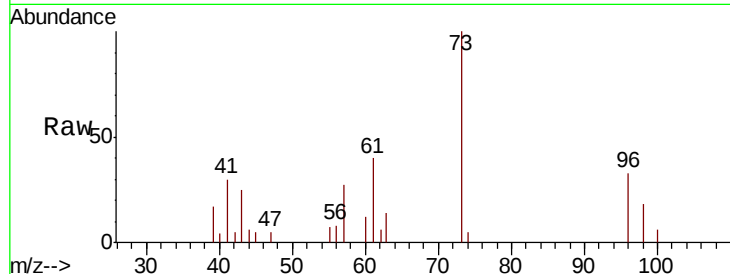




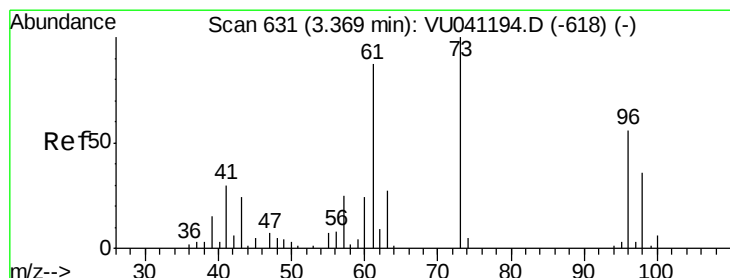
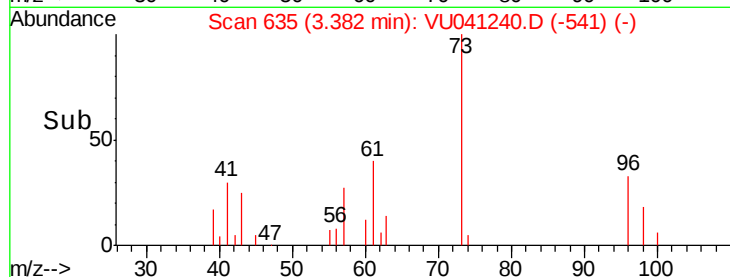
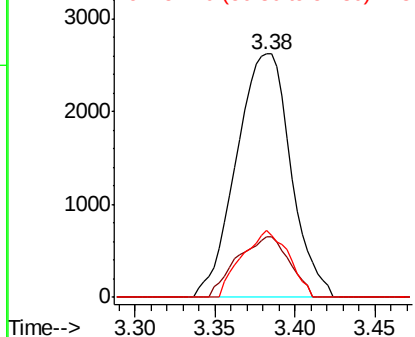
#17
Methvl tert-butvl Ether
Concen: 0.484 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041240.D
Acq: 16 Nov 2020 11:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tot Ion: 73 Resp: 6118
Ion Ratio Lower Upper
73 100
43 24.0 18.5 27.7
57 23.5 18.4 27.6

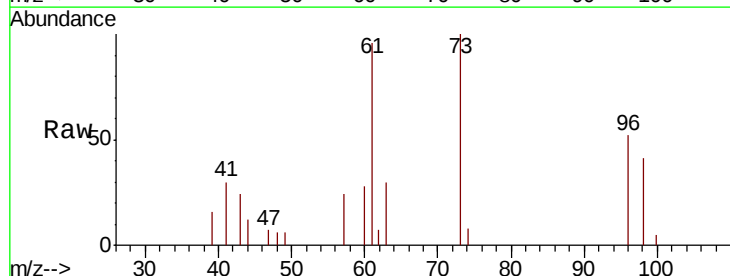


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

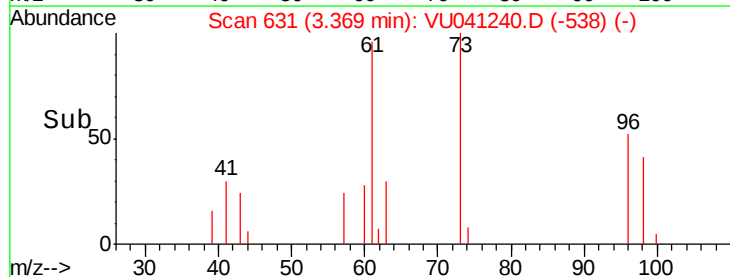
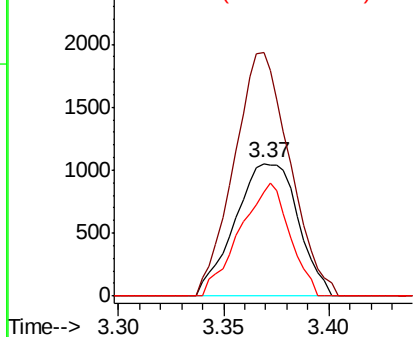


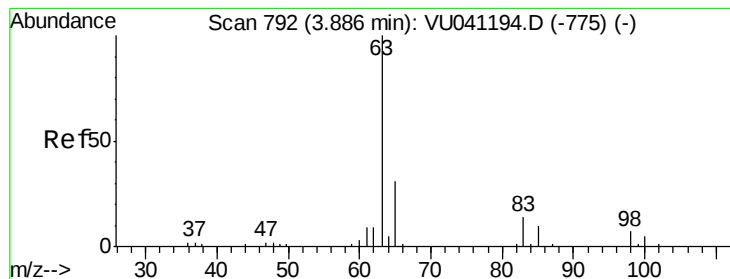
#18
trans-1,2-Dichloroethene
Concen: 0.487 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041240.D
Acq: 16 Nov 2020 11:27

Tgt Ion: 96 Resp: 2191
Ion Ratio Lower Upper
96 100
61 183.7 110.9 205.9
98 78.5 45.4 84.2



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: 0.524 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

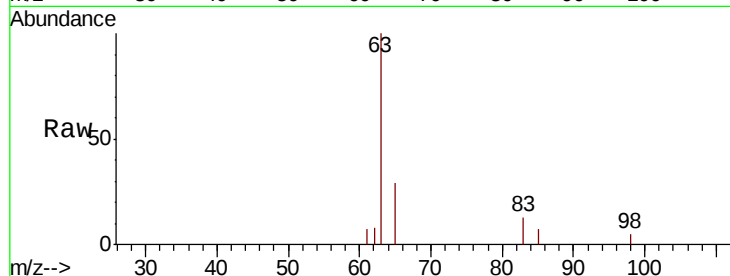
Tot Ion: 63 Resp: 5267

Ion Ratio Lower Upper

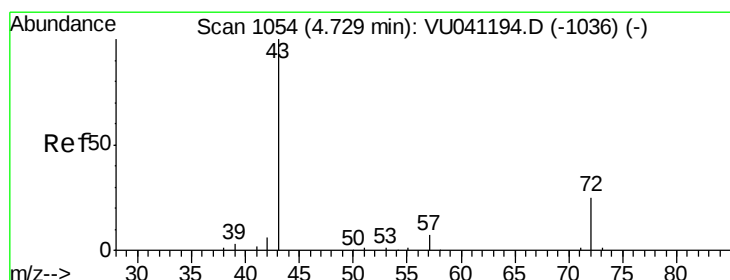
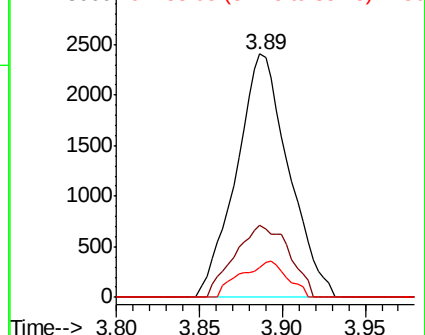
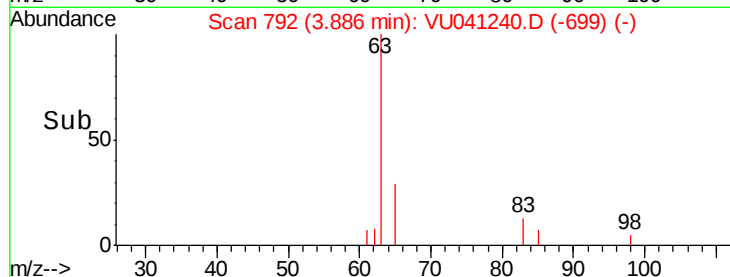
63 100

65 29.4 21.3 39.6

83 12.5 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041240.D (-699) (-)



#21

2-Butanone

Concen: 5.342 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VU041240.D

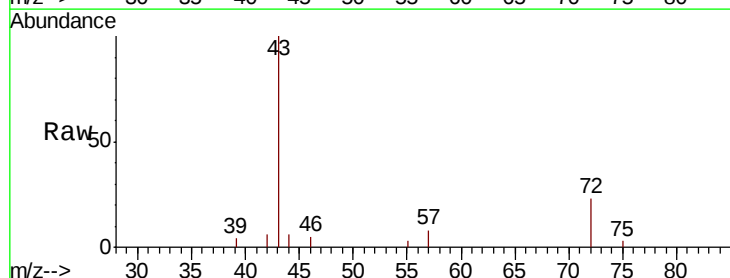
Acq: 16 Nov 2020 11:27

Tgt Ion: 43 Resp: 11572

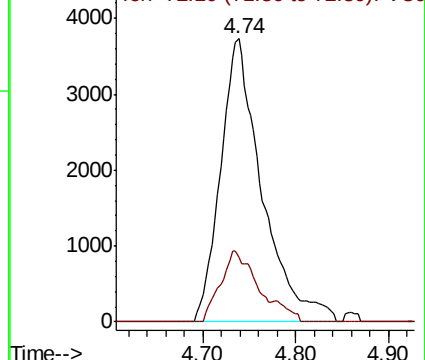
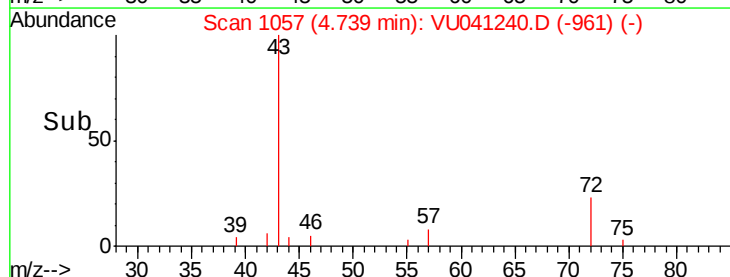
Ion Ratio Lower Upper

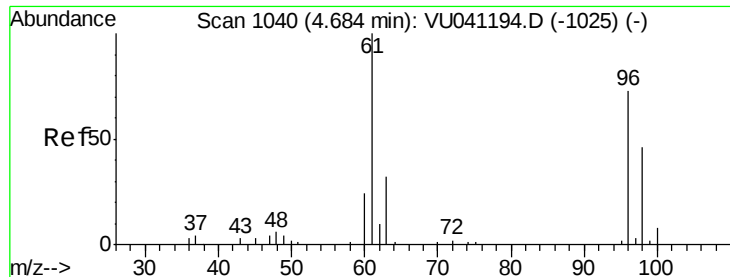
43 100

72 20.6 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU041240.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.527 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

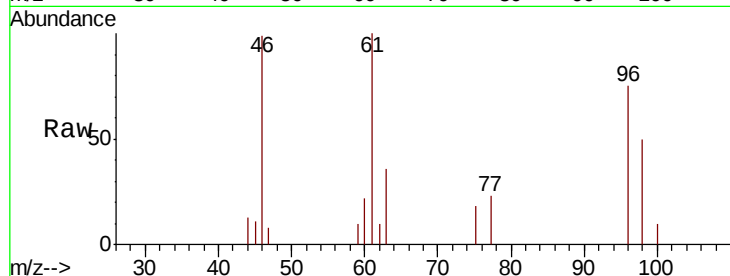
Tot Ion: 96 Resp: 2677

Ion Ratio Lower Upper

96 100

61 133.4 97.2 180.4

68 0.0 0.0 0.0

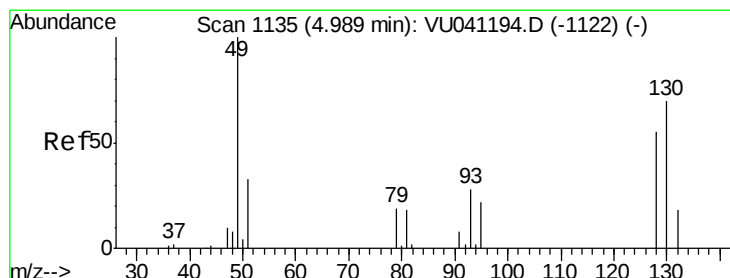
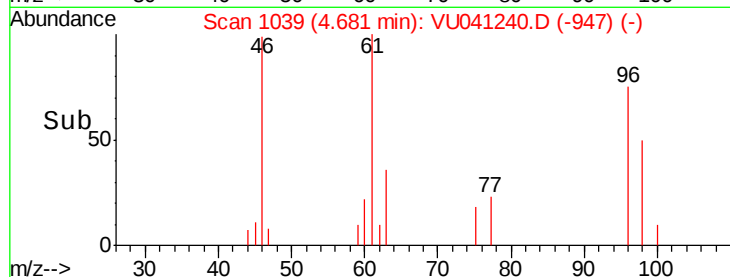
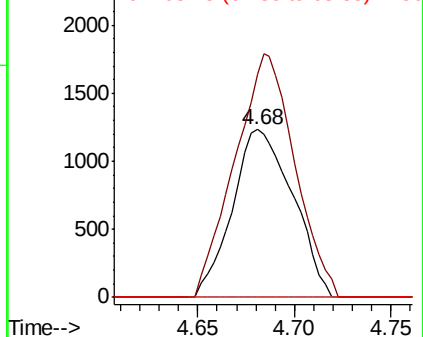


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 0.485 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Tgt Ion: 128 Resp: 1222

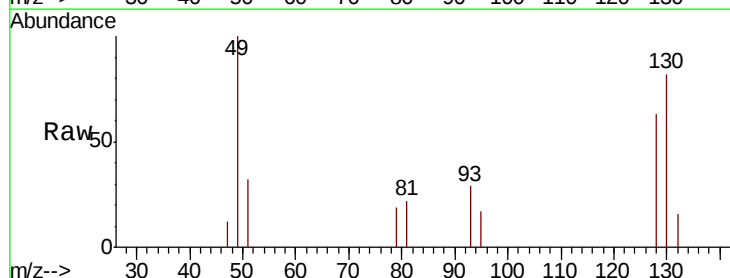
Ion Ratio Lower Upper

128 100

49 159.2 135.0 250.8

130 130.7 89.9 167.0

51 50.4 51.9 77.9#



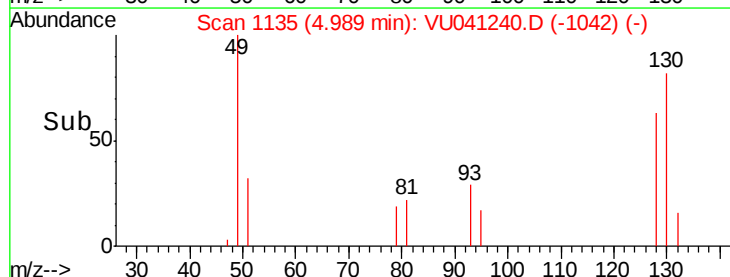
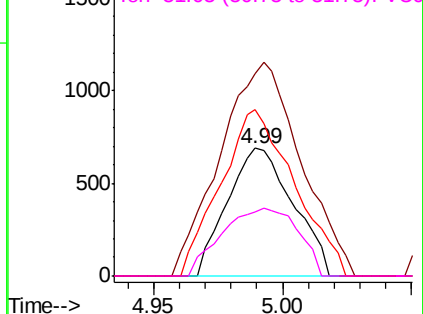
Abundance

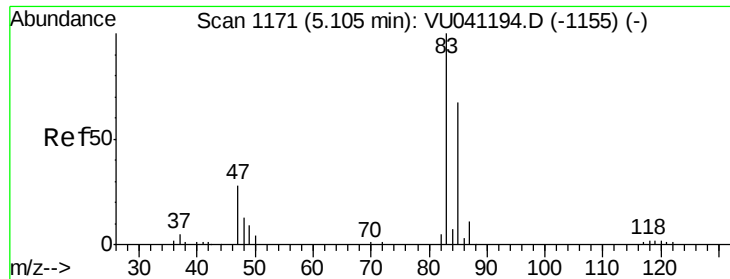
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

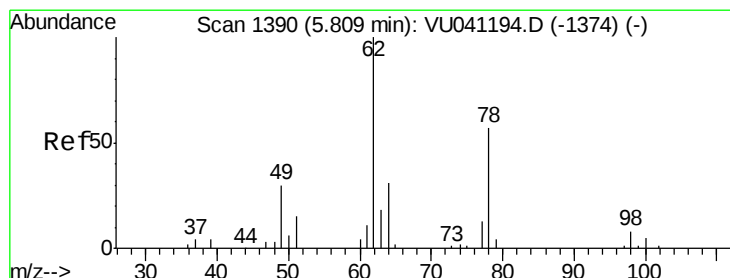
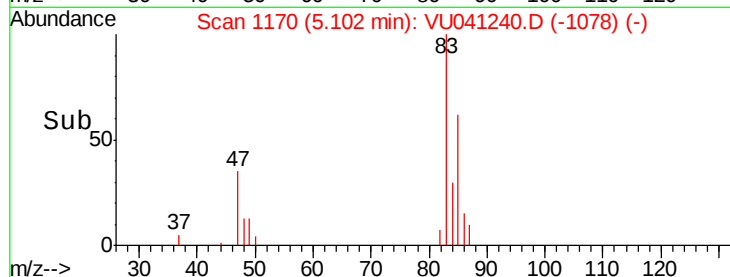
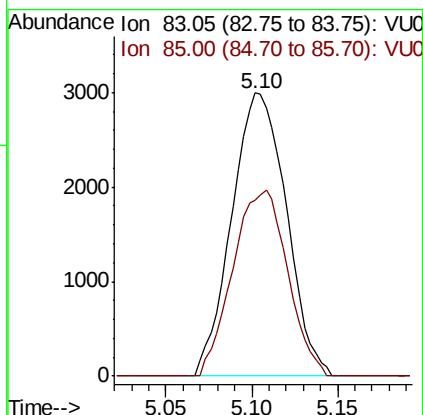
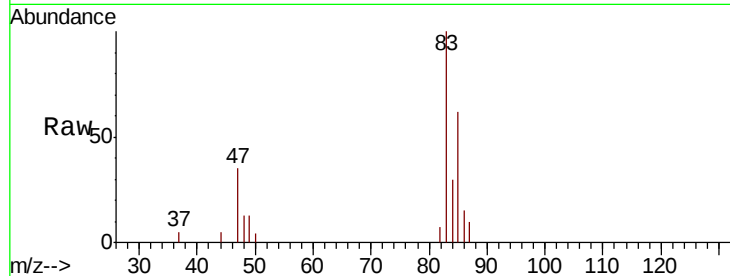




#25
Chloroform
Concen: 0.606 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041240.D
Acq: 16 Nov 2020 11:27

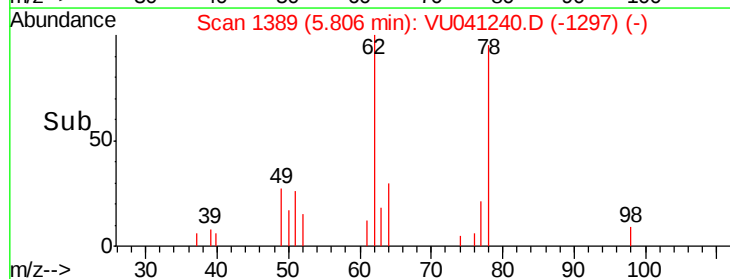
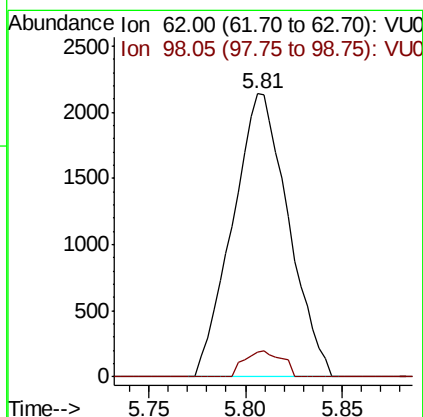
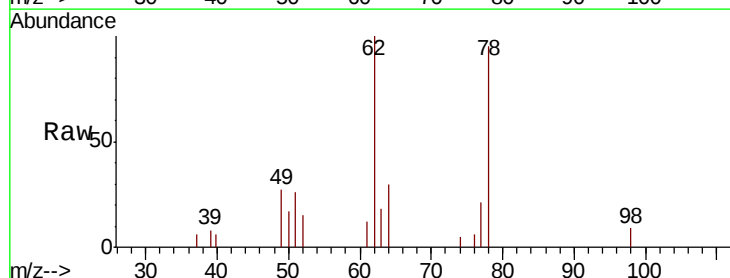
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

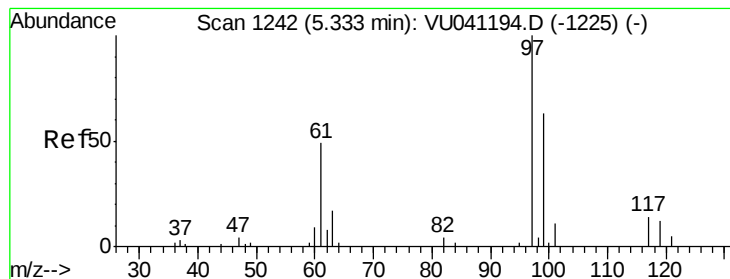
Tot Ion: 83 Resp: 6606
Ion Ratio Lower Upper
83 100
85 62.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.548 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041240.D
Acq: 16 Nov 2020 11:27

Tgt Ion: 62 Resp: 4294
Ion Ratio Lower Upper
62 100
98 8.7 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 0.595 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

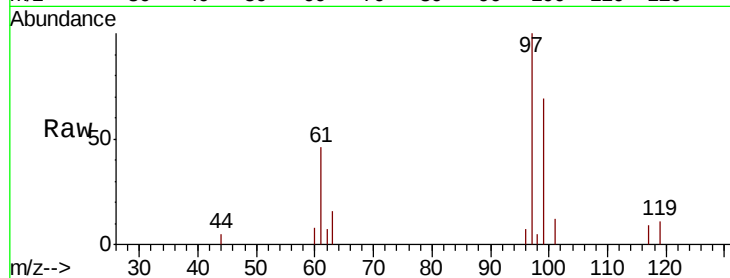
Tot Ion: 97 Resp: 5312

Ion Ratio Lower Upper

97 100

99 63.4 53.4 80.0

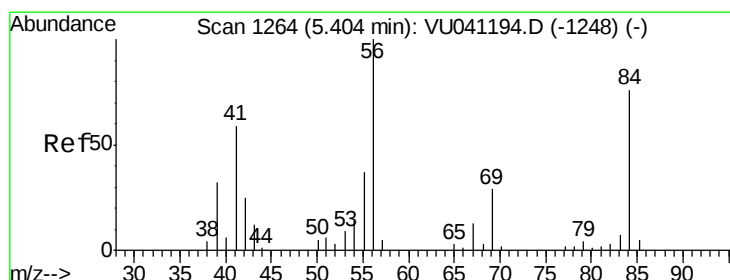
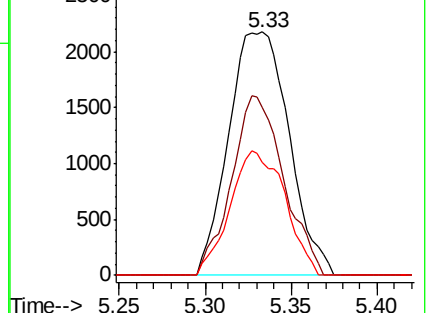
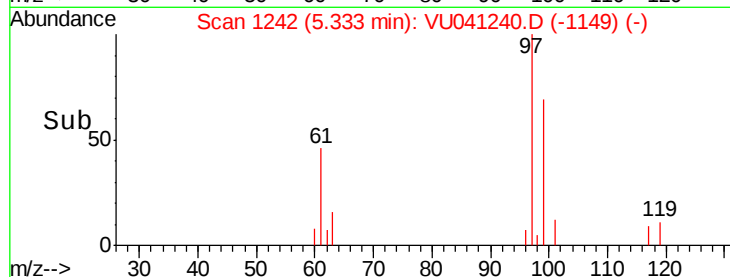
61 46.4 41.6 62.4



Abundance Ion 96.95 (96.65 to 97.65): VU041240.D (-1149) (-)

Ion 99.05 (98.75 to 99.75): VU041240.D (-1149) (-)

Ion 61.05 (60.75 to 61.75): VU041240.D (-1149) (-)



#30

Cyclohexane

Concen: 0.545 ug/L

RT: 5.40 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

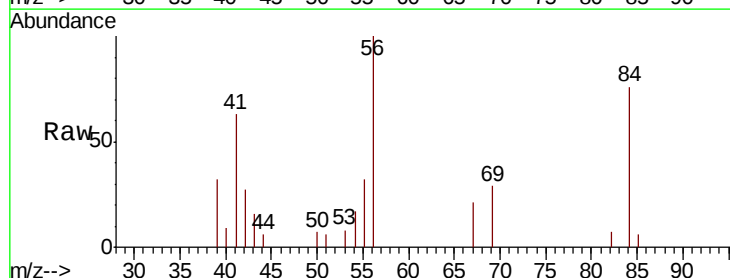
Tgt Ion: 56 Resp: 4021

Ion Ratio Lower Upper

56 100

69 28.1 22.8 34.2

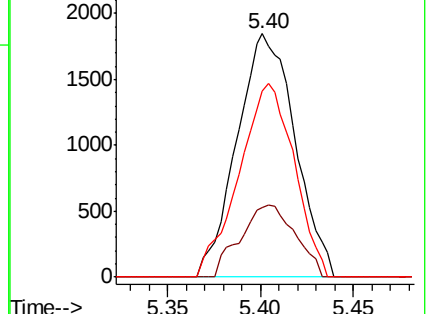
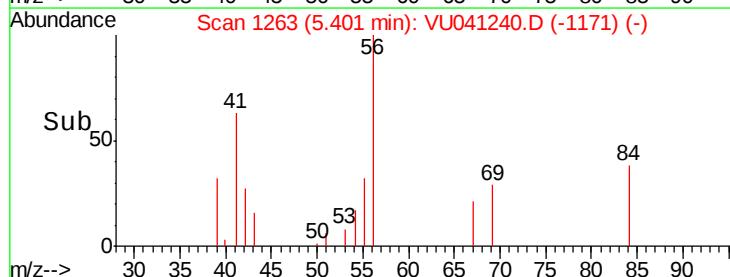
84 75.6 63.6 95.4

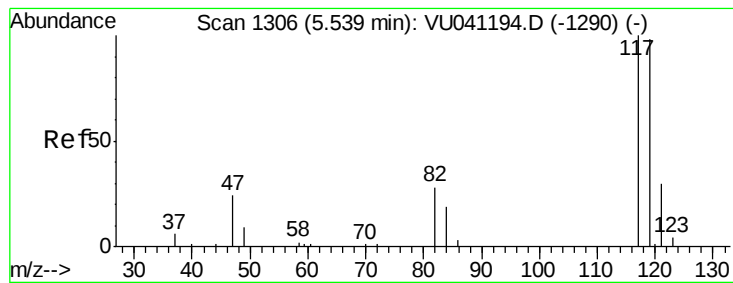


Abundance Ion 56.10 (55.80 to 56.80): VU041240.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU041240.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU041240.D (-1171) (-)





#31

Carbon tetrachloride

Concen: 0.300 ug/L

RT: 5.53 min Scan# 1303

Delta R.T. -0.01 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

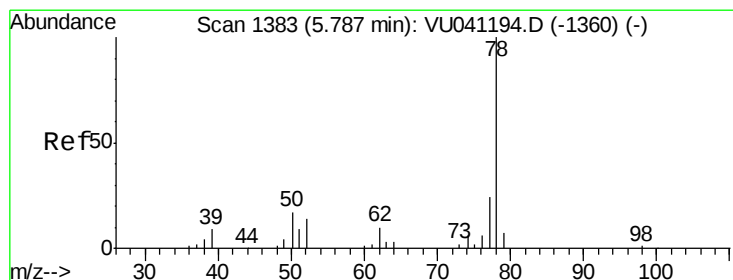
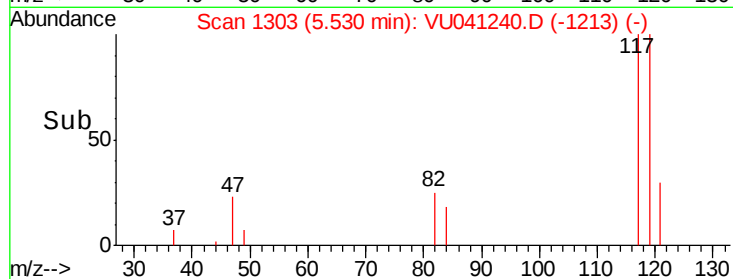
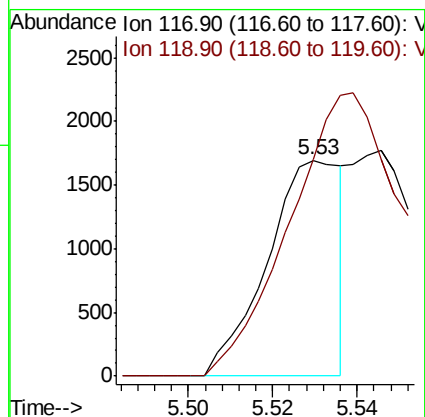
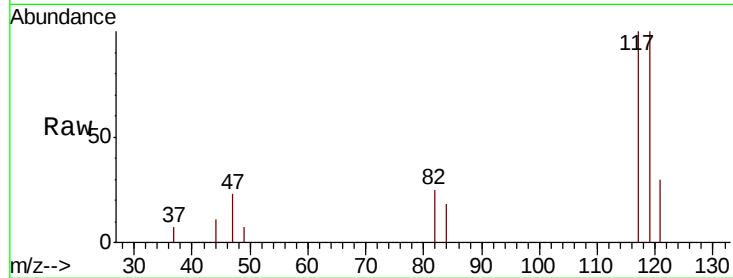
VSTD0.503

Tot Ion:117 Resp: 2065

Ion Ratio Lower Upper

117 100

119 207.0 76.1 114.1#



#33

Benzene

Concen: 0.539 ug/L

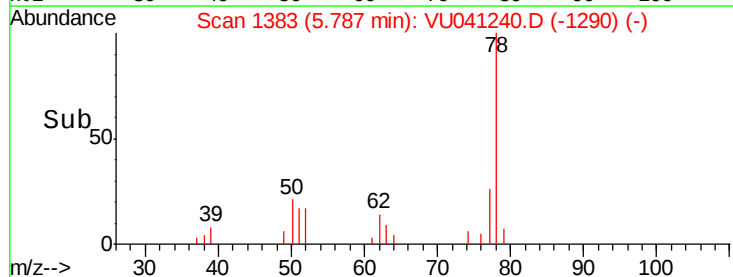
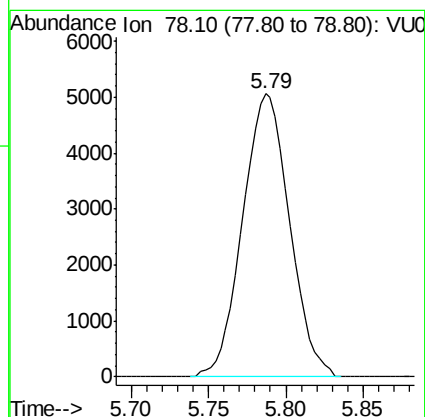
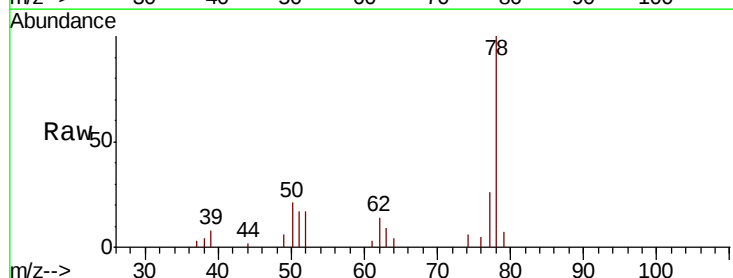
RT: 5.79 min Scan# 1383

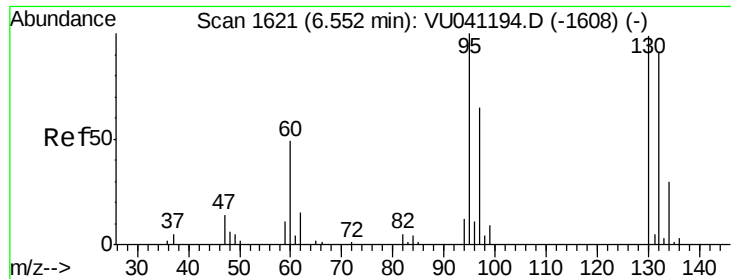
Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Tgt Ion: 78 Resp: 10654

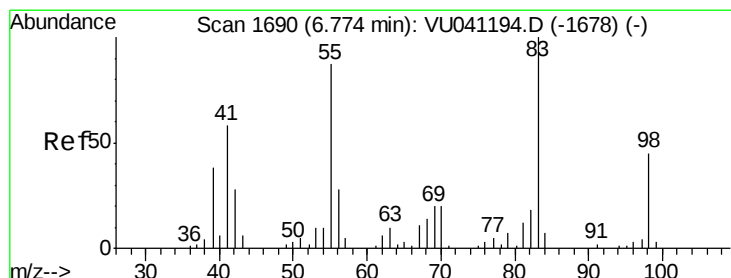
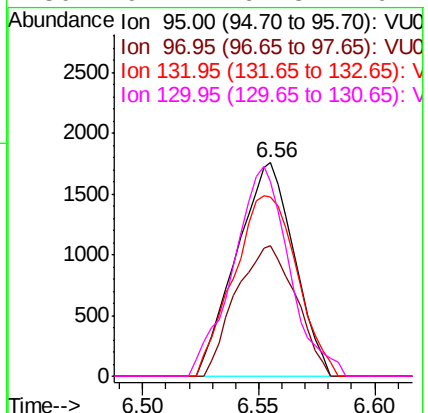
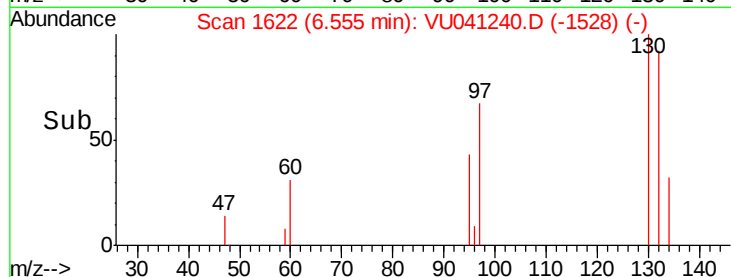
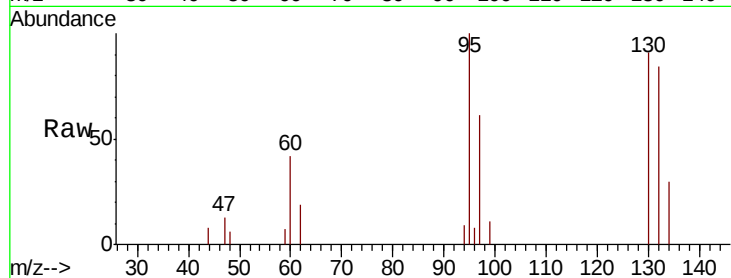




#34
 Trichloroethene
 Concen: 0.570 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041240.D
 Acq: 16 Nov 2020 11:27

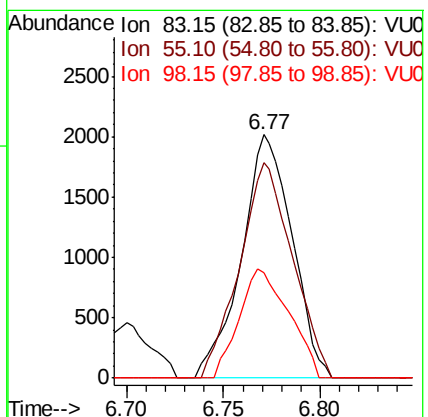
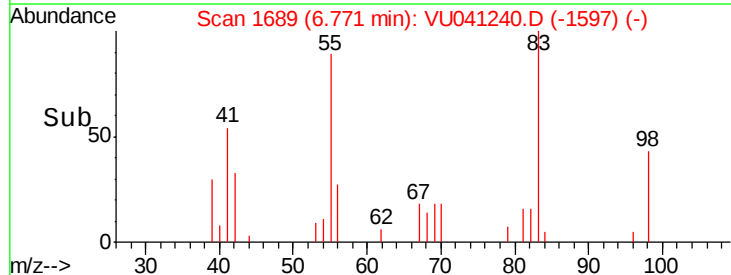
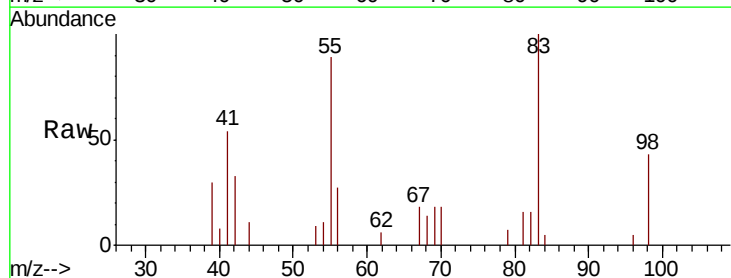
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

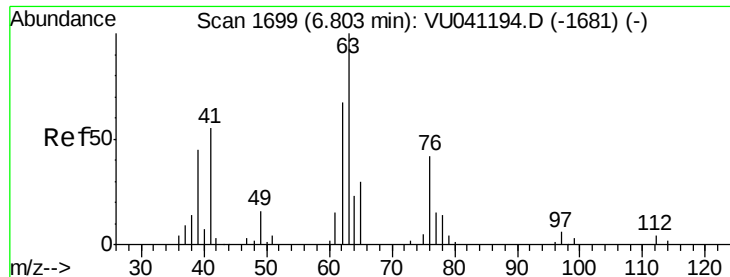
Tot Ion: 95 Resp: 3049
 Ion Ratio Lower Upper
 95 100
 97 61.2 45.6 84.6
 132 83.8 64.8 120.4
 130 91.2 64.8 120.4



#35
 Methylcyclohexane
 Concen: 0.517 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041240.D
 Acq: 16 Nov 2020 11:27

Tgt Ion: 83 Resp: 3670
 Ion Ratio Lower Upper
 83 100
 55 92.6 72.0 108.0
 98 43.8 36.6 55.0

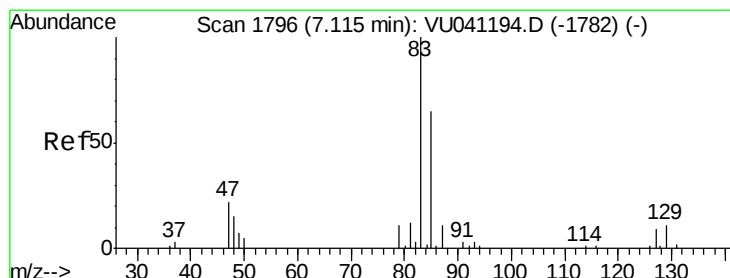
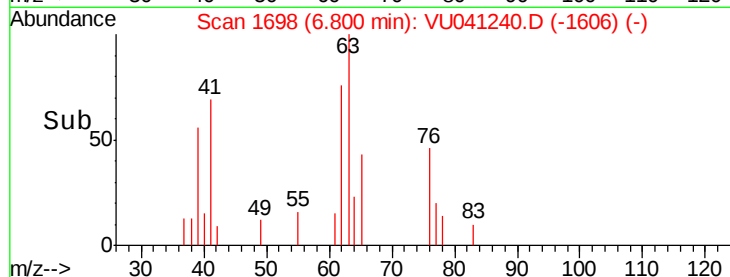
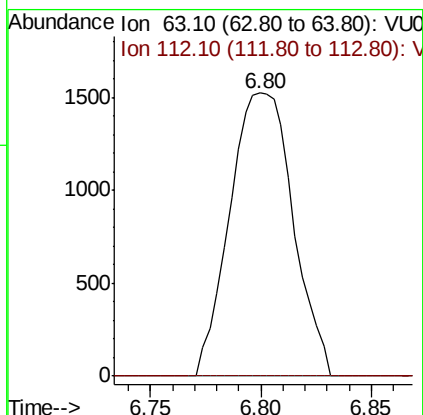
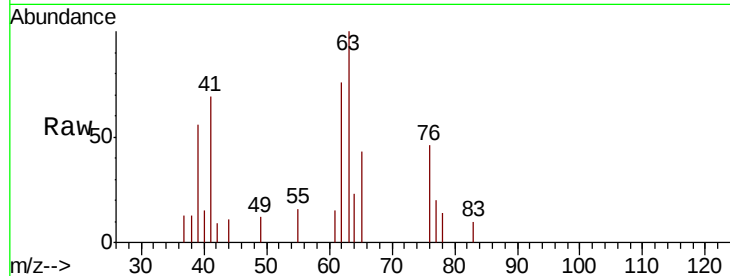




#37
 1,2-Dichloropropane
 Concen: 0.525 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041240.D
 Acq: 16 Nov 2020 11:27

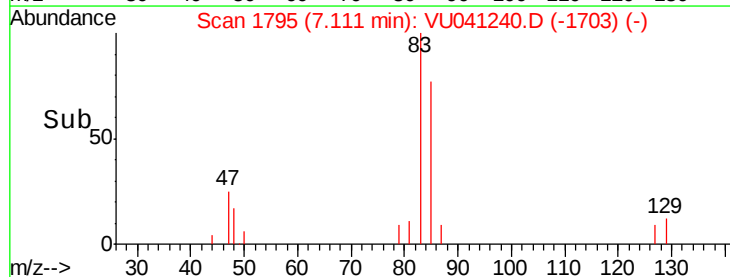
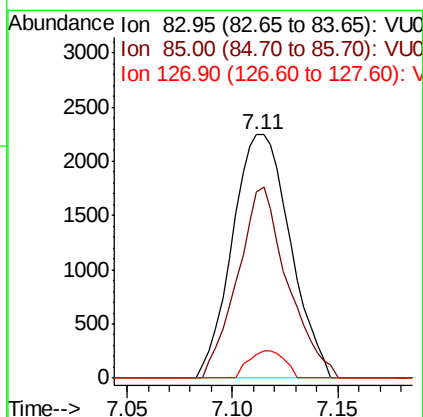
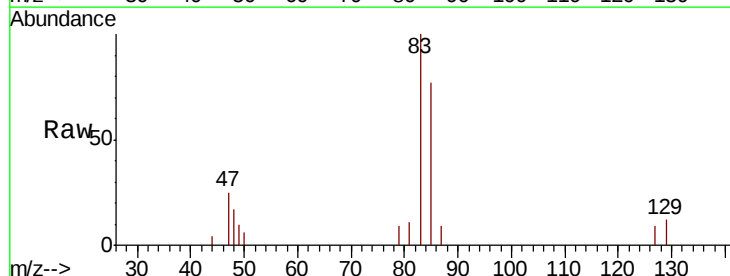
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

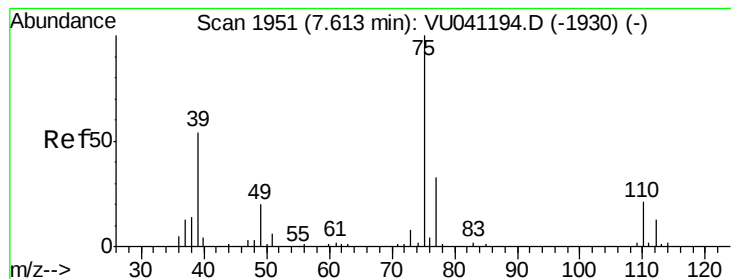
Tot Ion: 63 Resp: 3033
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 0.566 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041240.D
 Acq: 16 Nov 2020 11:27

Tgt Ion: 83 Resp: 4276
 Ion Ratio Lower Upper
 83 100
 85 76.6 43.3 80.3
 127 9.5 5.9 8.9#





#39

cis-1,3-Dichloropropene

Concen: 0.517 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

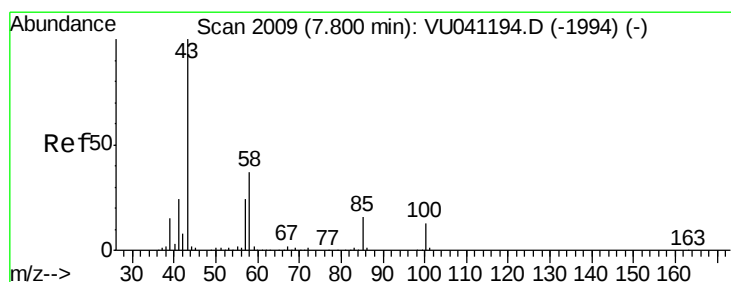
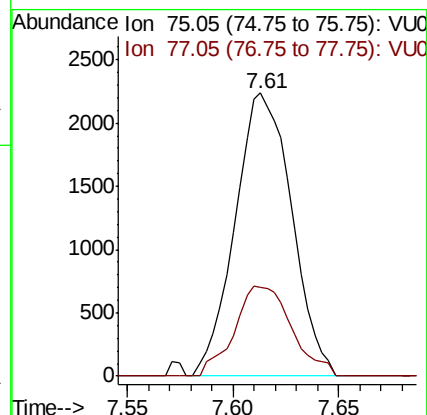
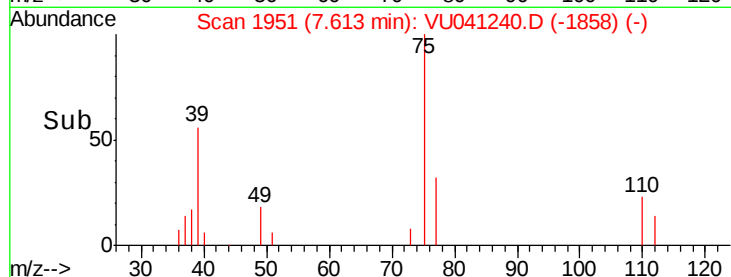
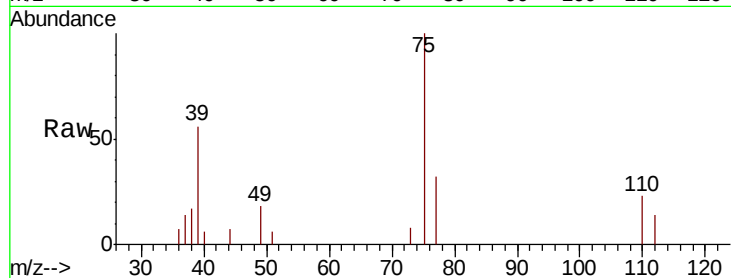
VSTD0.503

Tot Ion: 75 Resp: 4168

Ion Ratio Lower Upper

75 100

77 31.5 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 5.103 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

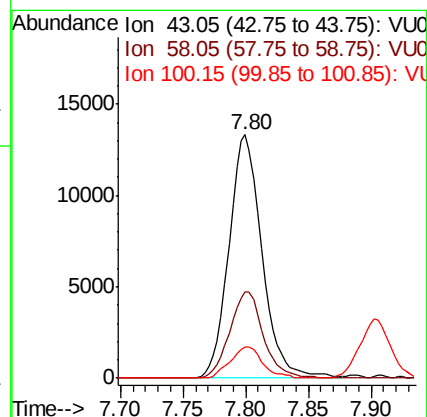
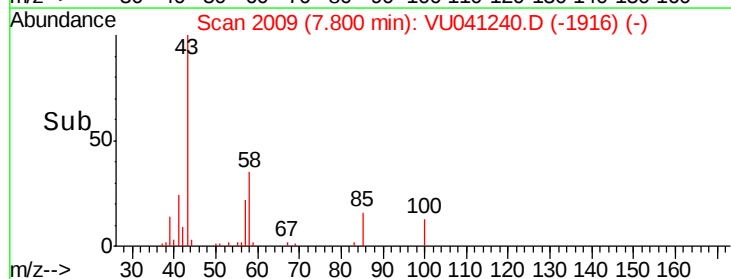
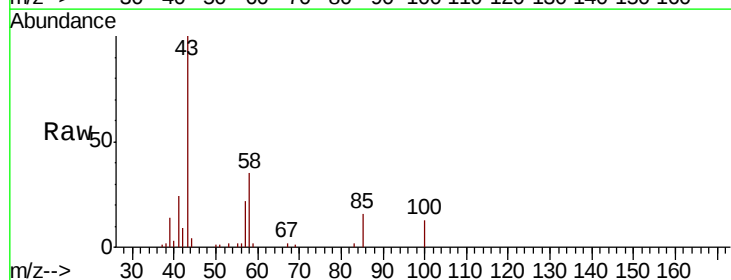
Tgt Ion: 43 Resp: 24418

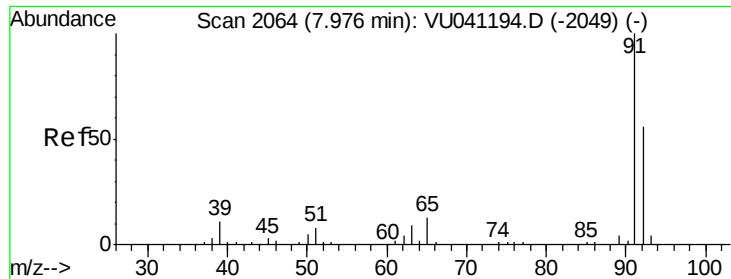
Ion Ratio Lower Upper

43 100

58 35.9 29.8 44.6

100 12.4 10.5 15.7





#42

Toluene

Concen: 0.506 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

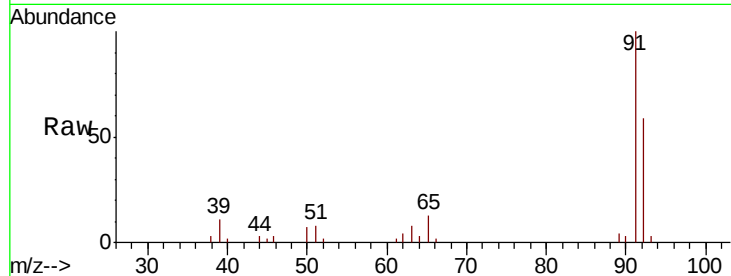
VSTD0.503

Tot Ion: 91 Resp: 10696

Ion Ratio Lower Upper

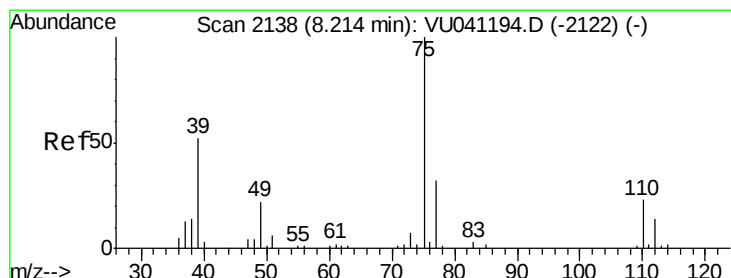
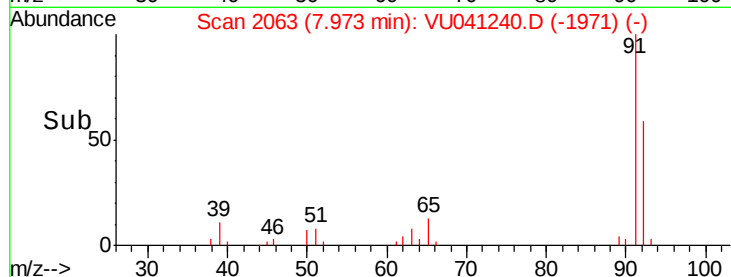
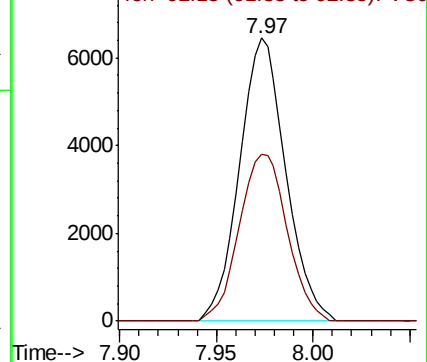
91 100

92 58.8 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.494 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041240.D

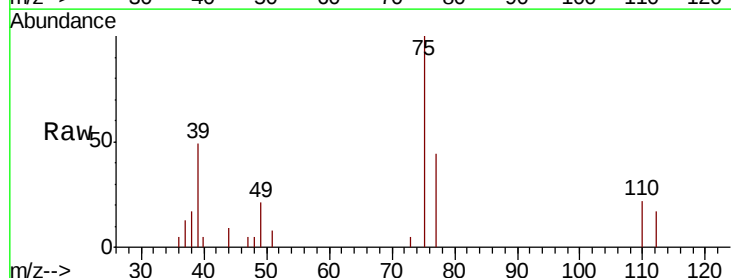
Acq: 16 Nov 2020 11:27

Tgt Ion: 75 Resp: 3770

Ion Ratio Lower Upper

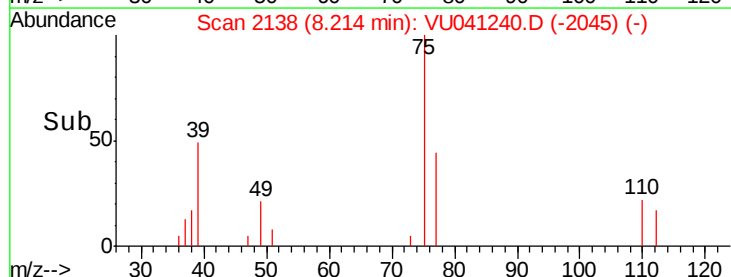
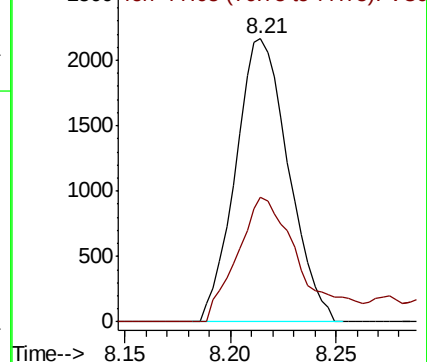
75 100

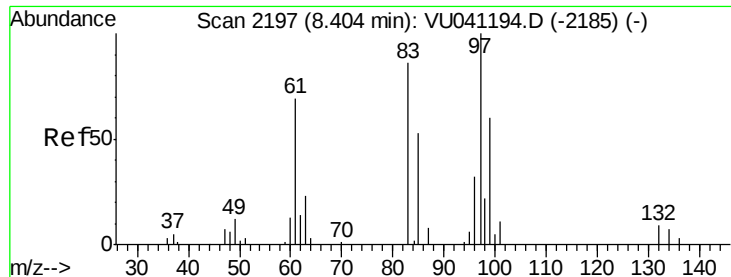
77 44.0 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

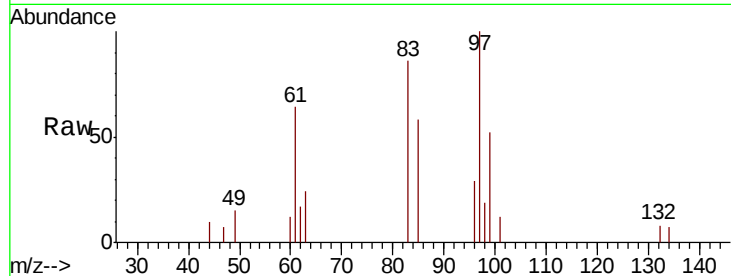




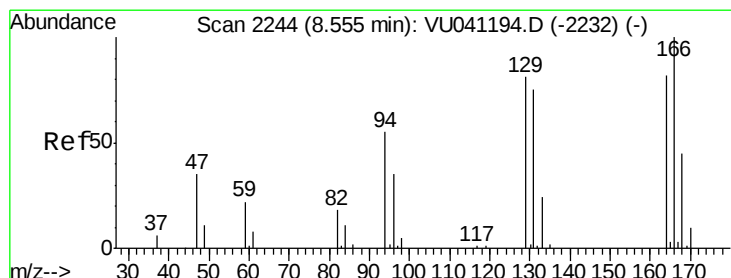
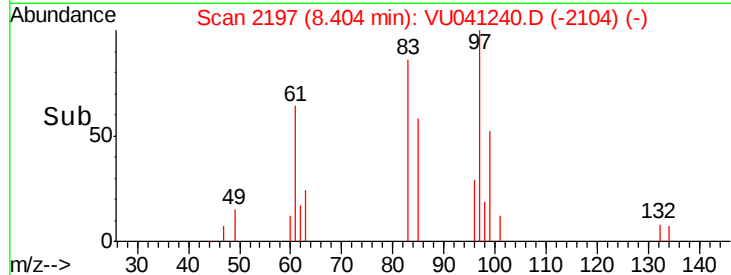
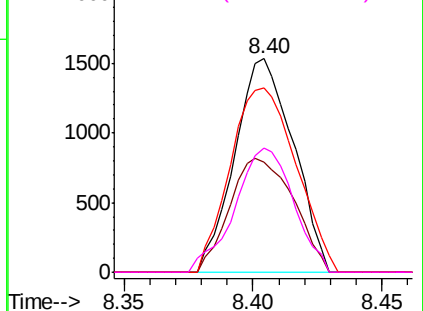
#45
 1,1,2-Trichloroethane
 Concen: 0.541 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041240.D
 Acq: 16 Nov 2020 11:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tot Ion:	97	Resp:	2421
Ion	Ratio	Lower	Upper
97	100		
99	51.8	45.8	85.2
83	86.1	67.9	126.1
85	58.1	42.8	79.6

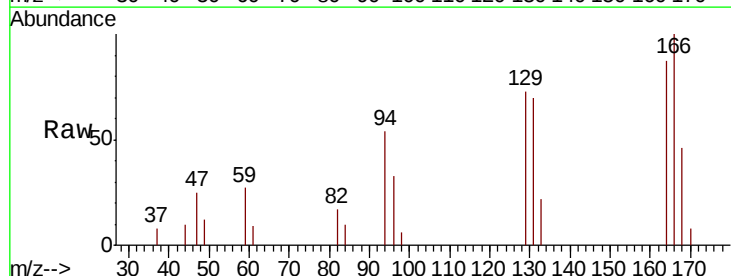


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

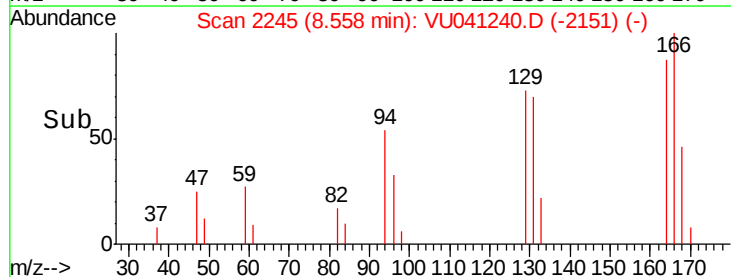
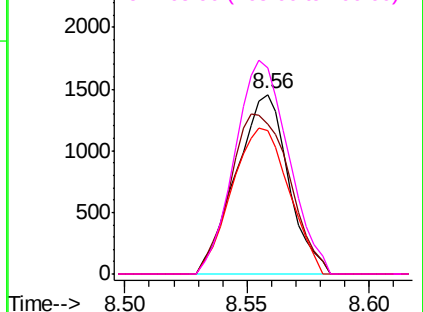


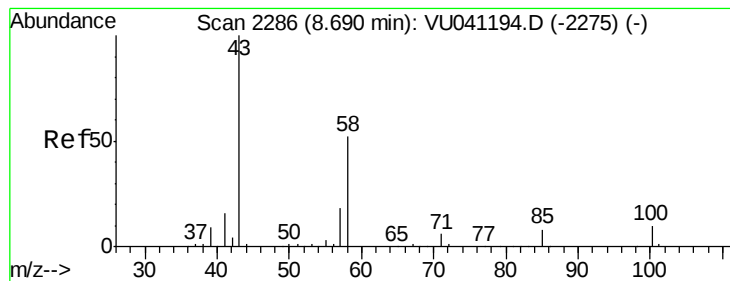
#47
 Tetrachloroethene
 Concen: 0.548 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU041240.D
 Acq: 16 Nov 2020 11:27

Tgt Ion:	164	Resp:	2164
Ion	Ratio	Lower	Upper
164	100		
129	83.6	70.3	130.7
131	80.0	70.8	131.4
166	114.6	92.0	170.8



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: 4.779 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

Tot Ion: 43 Resp: 17069

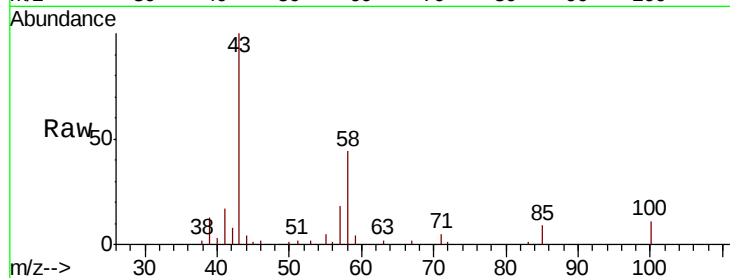
Ion Ratio Lower Upper

43 100

58 47.0 41.4 62.2

57 18.5 14.6 21.8

100 10.0 8.3 12.5

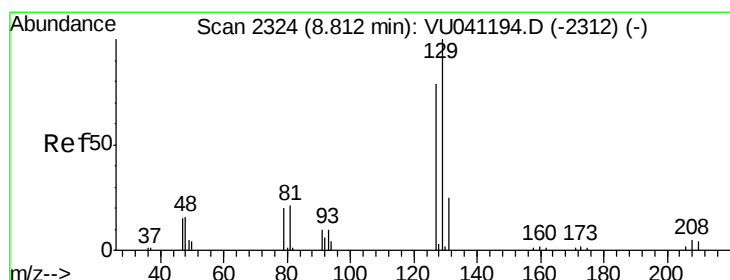
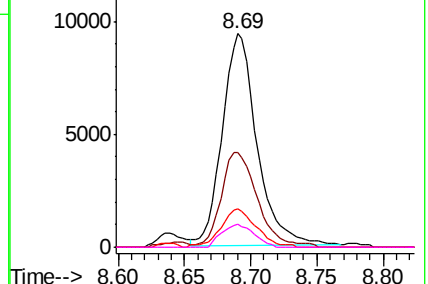
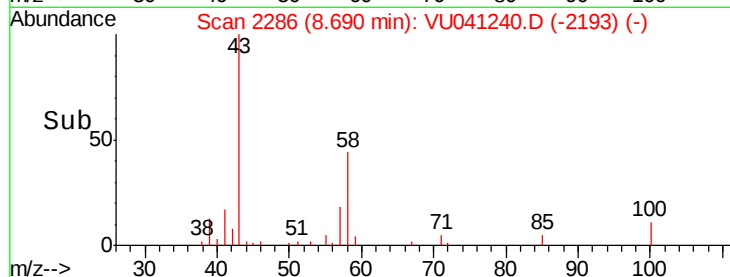


Abundance Ion 43.05 (42.75 to 43.75): VU041240.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU041240.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU041240.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU041240.D (-2193) (-)



#49

Dibromochloromethane

Concen: 0.527 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU041240.D

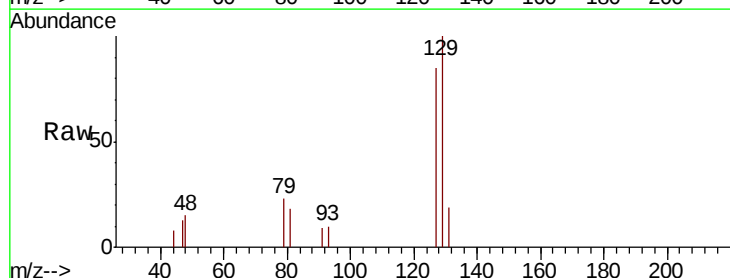
Acq: 16 Nov 2020 11:27

Tgt Ion: 129 Resp: 2794

Ion Ratio Lower Upper

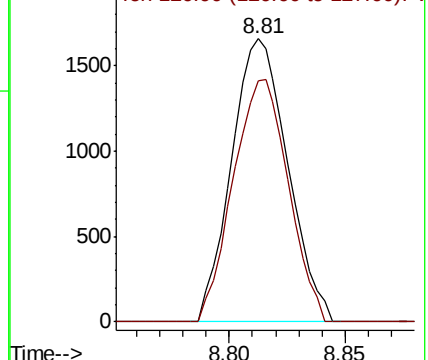
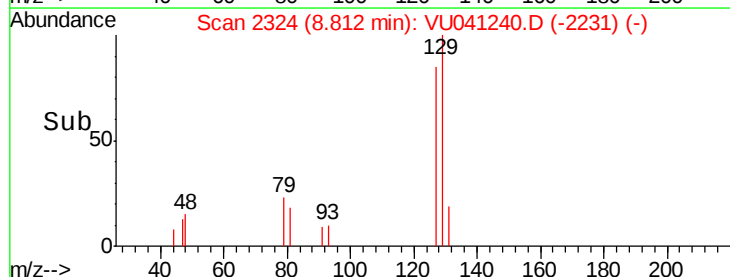
129 100

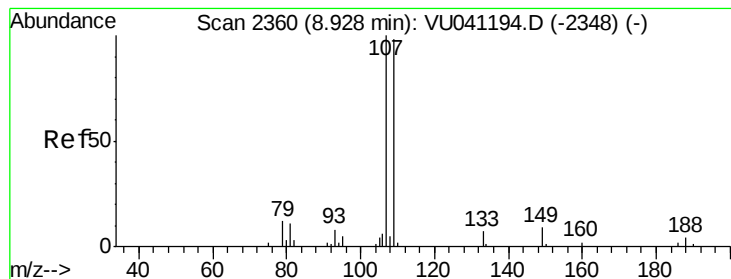
127 85.4 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041240.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU041240.D (-2231) (-)





#50

1,2-Dibromoethane

Concen: 0.505 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

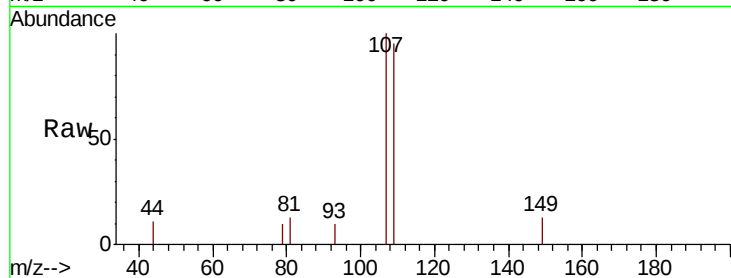
Tot Ion:107 Resp: 2094

Ion Ratio Lower Upper

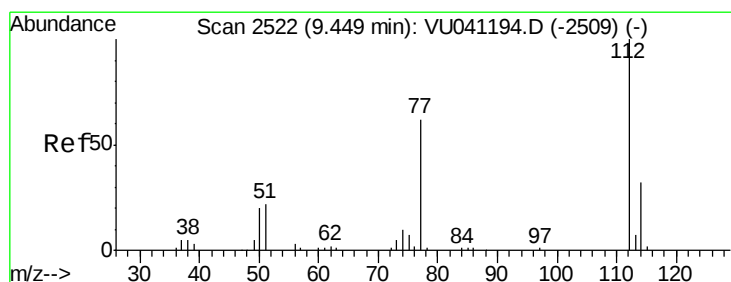
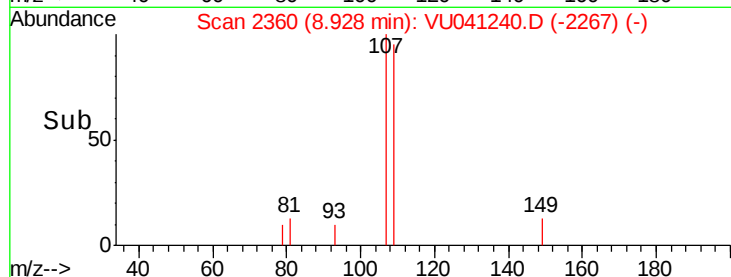
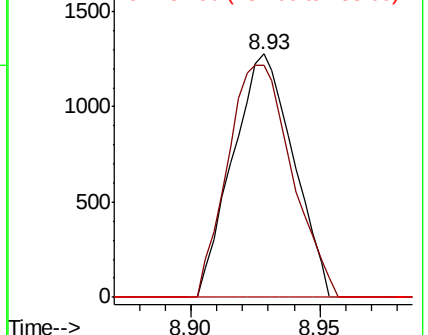
107 100

109 95.4 65.6 121.8

188 0.0 2.9 4.3#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.538 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

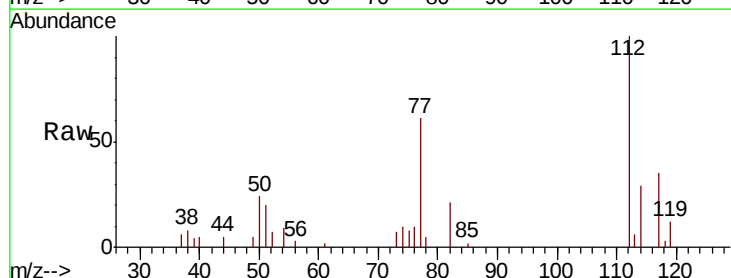
Tgt Ion:112 Resp: 7532

Ion Ratio Lower Upper

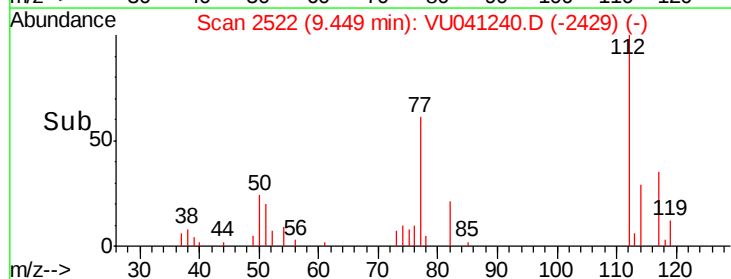
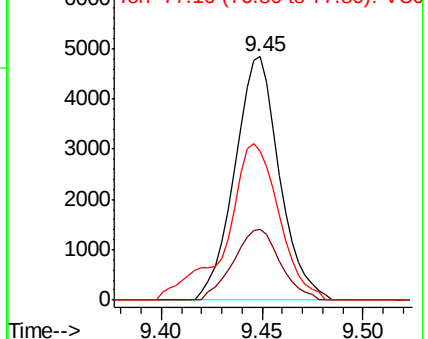
112 100

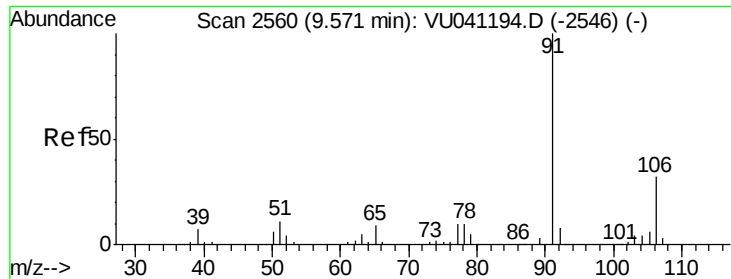
114 29.3 22.4 41.6

77 61.0 51.2 76.8



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





#52

Ethylbenzene

Concen: 0.509 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

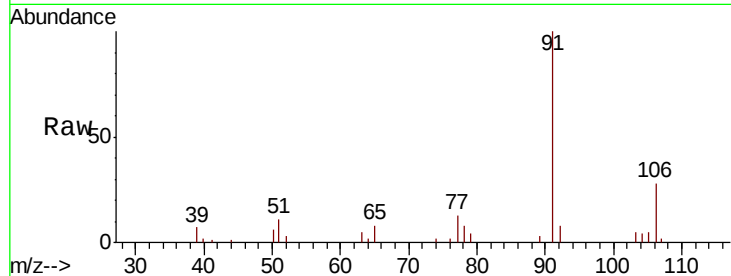
VSTD0.503

Tot Ion: 91 Resp: 11489

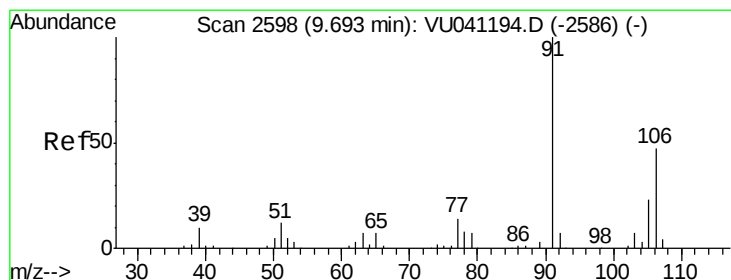
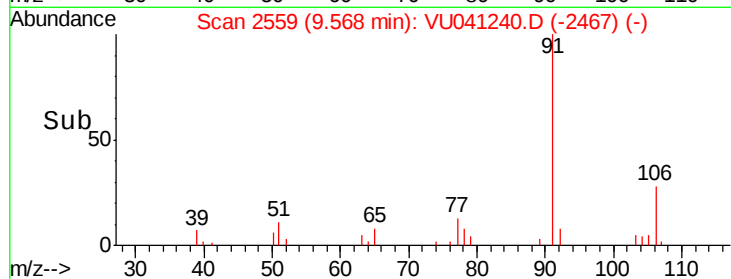
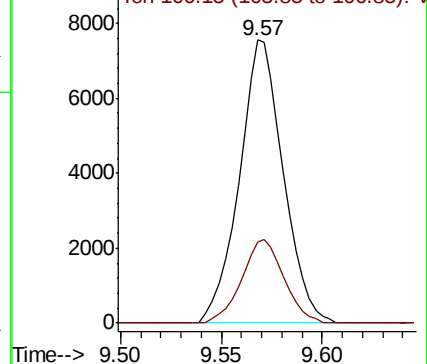
Ion Ratio Lower Upper

91 100

106 28.5 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041194.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.467 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041240.D

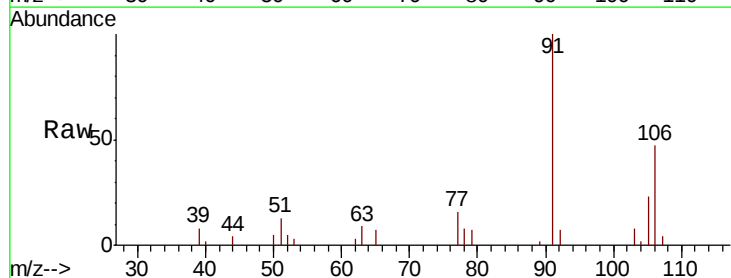
Acq: 16 Nov 2020 11:27

Tgt Ion: 106 Resp: 3813

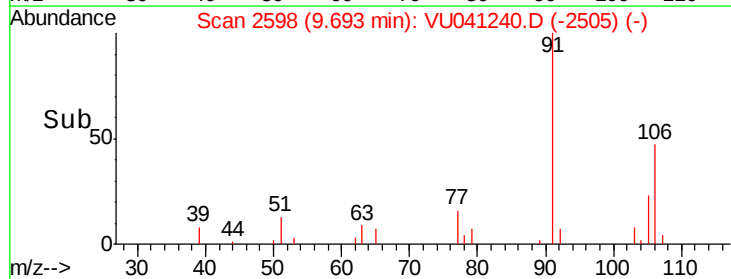
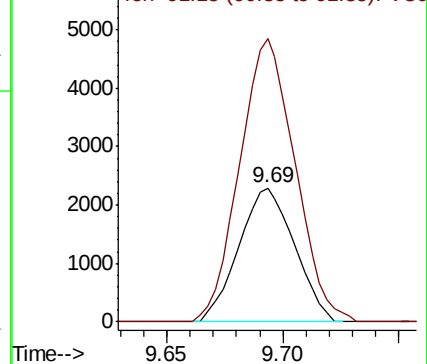
Ion Ratio Lower Upper

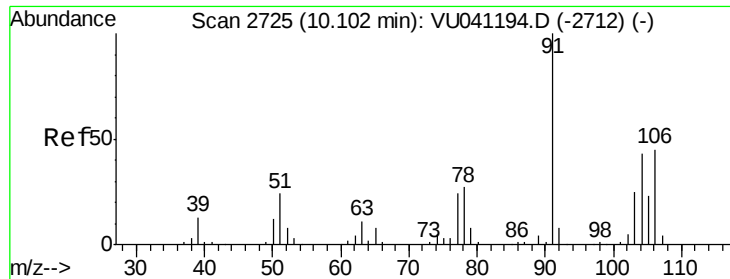
106 100

91 211.1 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041194.D (-2586) (-)

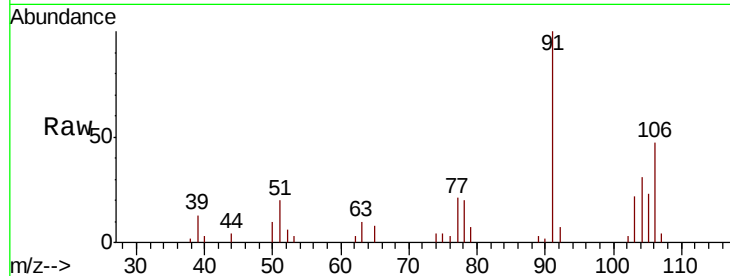




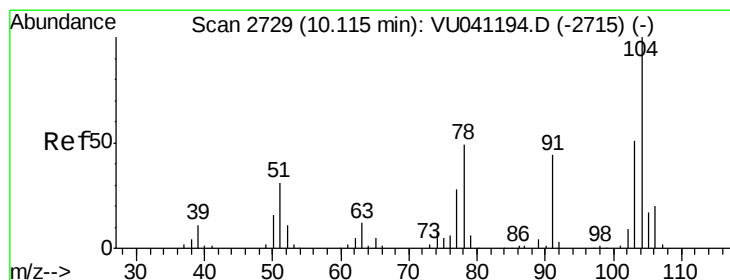
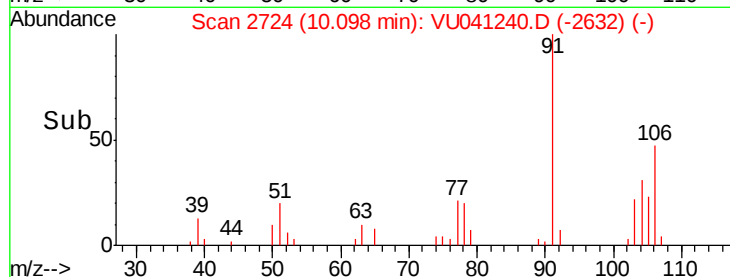
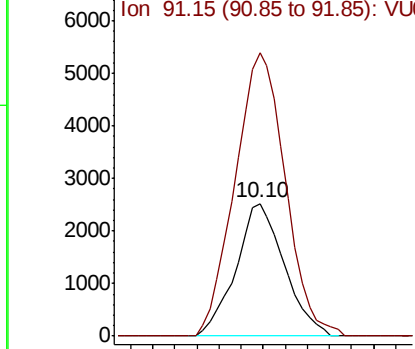
#54
o-Xylene
Concen: 0.490 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041240.D
Acq: 16 Nov 2020 11:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tot Ion:106 Resp: 3847
Ion Ratio Lower Upper
106 100
91 213.8 154.3 286.5

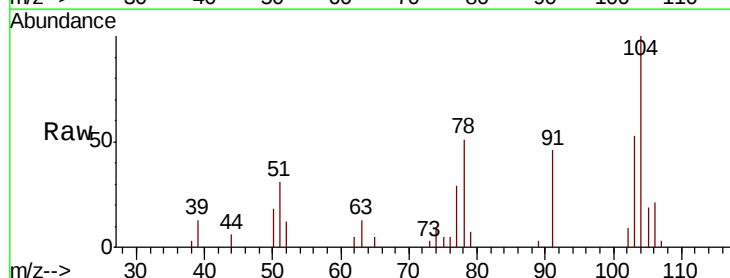


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

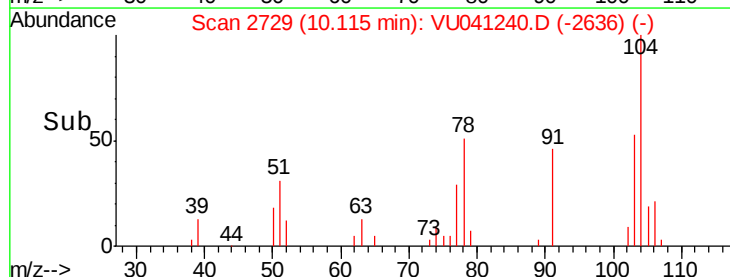
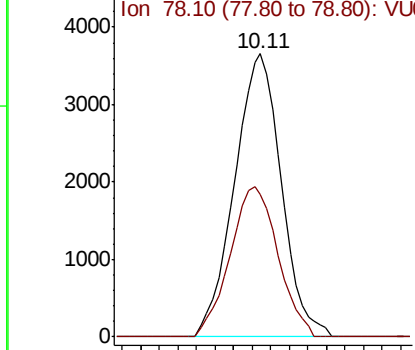


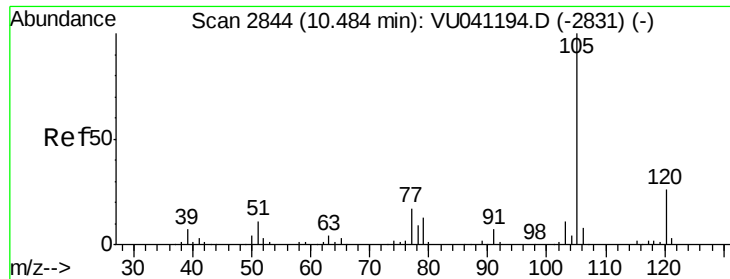
#55
Styrene
Concen: 0.459 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041240.D
Acq: 16 Nov 2020 11:27

Tgt Ion:104 Resp: 6391
Ion Ratio Lower Upper
104 100
78 50.6 35.5 65.9



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





#56

Isopropylbenzene

Concen: 0.468 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

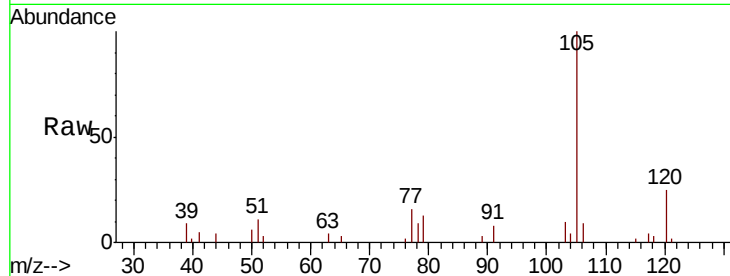
Tot Ion:105 Resp: 9740

Ion Ratio Lower Upper

105 100

120 23.8 20.7 31.1

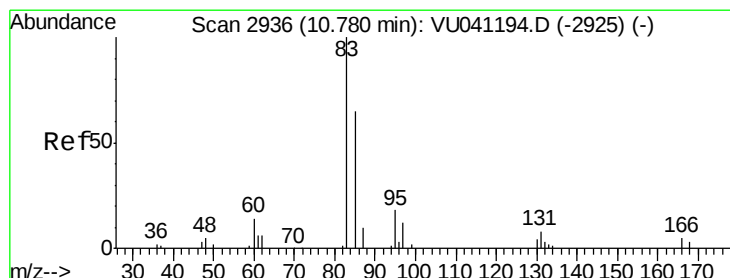
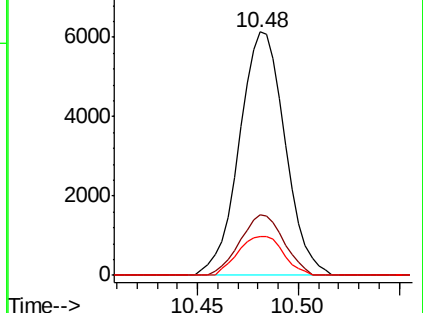
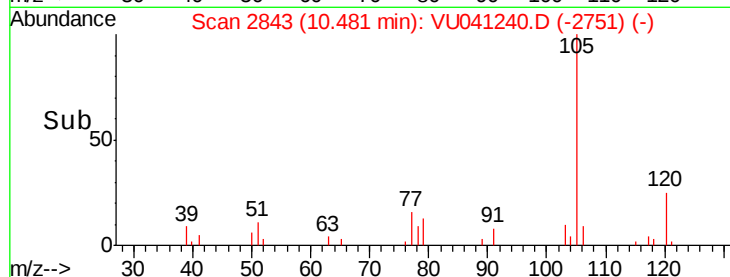
77 16.0 13.8 20.6



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: 0.573 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

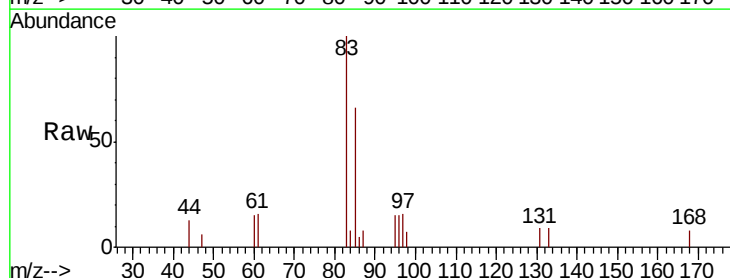
Tgt Ion: 83 Resp: 3352

Ion Ratio Lower Upper

83 100

85 66.0 44.4 82.4

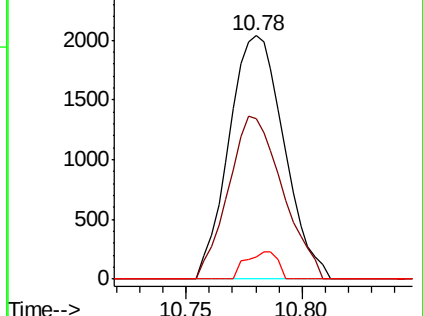
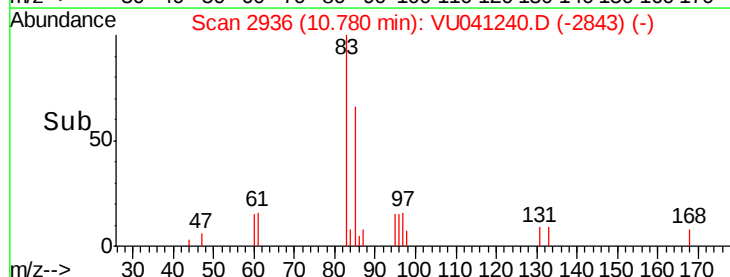
131 9.0 7.7 11.5

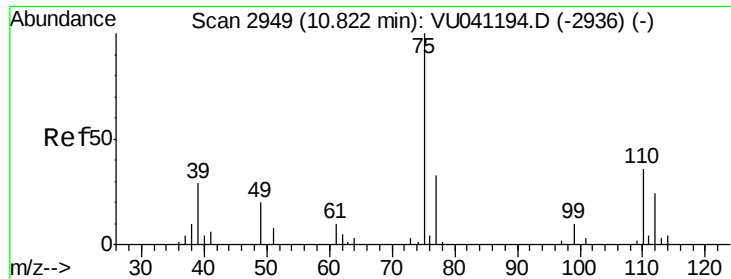


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.565 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

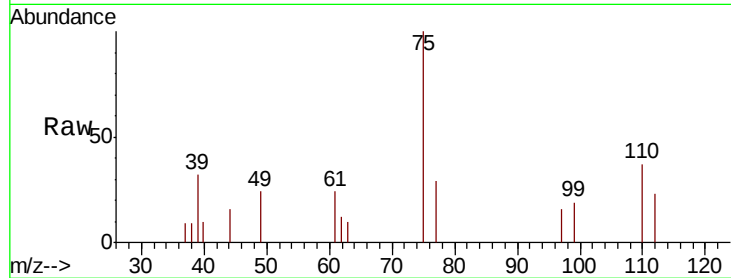
VSTD0.503

Tot Ion: 75 Resp: 2576

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041194.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU041194.D (-2936) (-)

10.82

1500

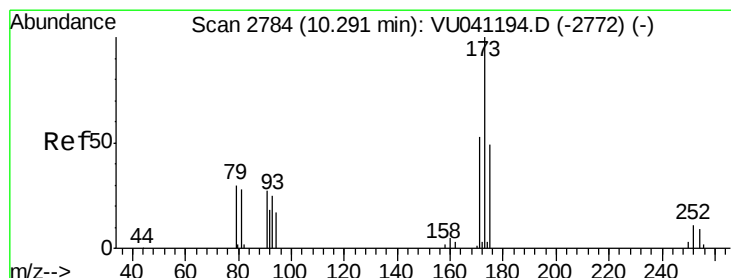
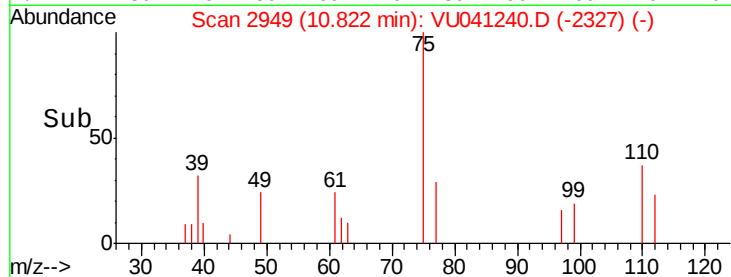
1000

500

0

10.80 10.85

Time-->



#61

Bromoform

Concen: 0.601 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

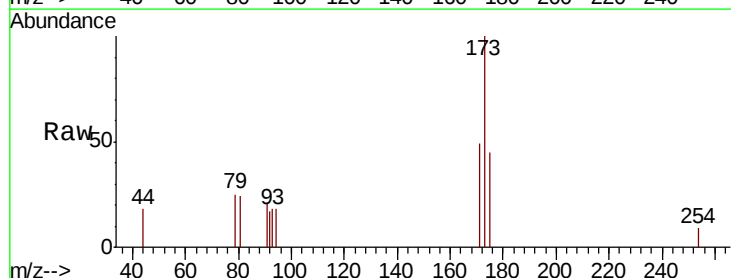
Tgt Ion: 173 Resp: 1818

Ion Ratio Lower Upper

173 100

175 44.9 37.6 56.4

254 4.6 6.6 9.8#



Abundance Ion 172.90 (172.60 to 173.60): VU041194.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041194.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041194.D (-2772) (-)

10.29

1500

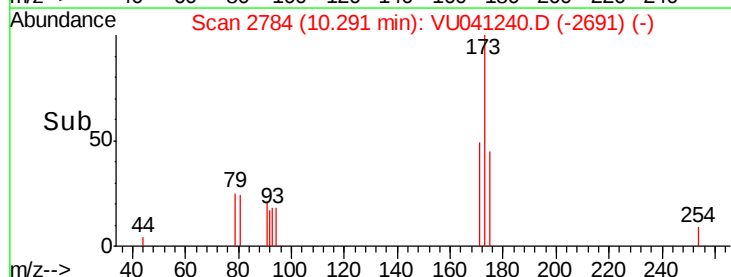
1000

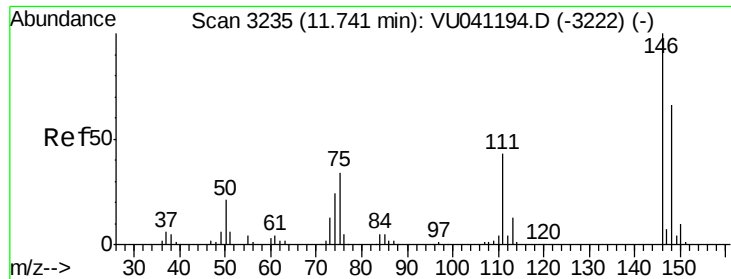
500

0

10.25 10.30

Time-->





#62

1,3-Dichlorobenzene

Concen: 0.546 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

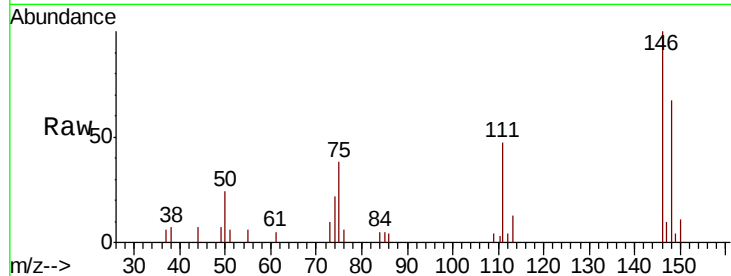
Tot Ion:146 Resp: 5426

Ion Ratio Lower Upper

146 100

111 47.1 30.9 57.3

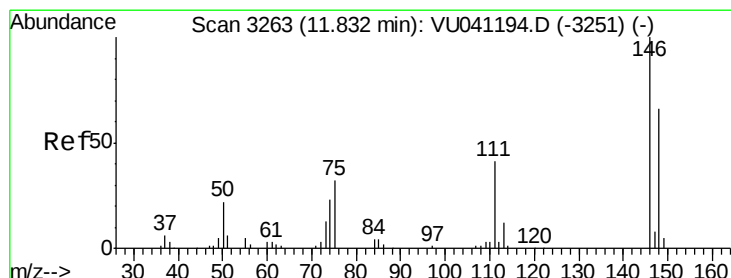
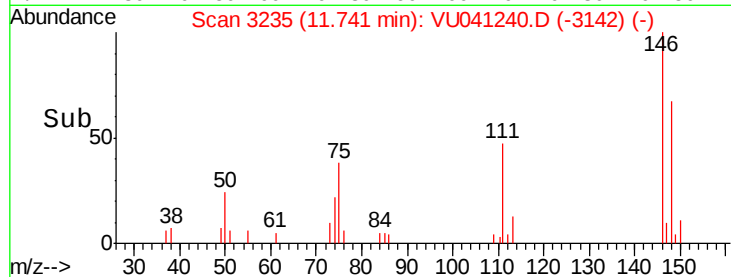
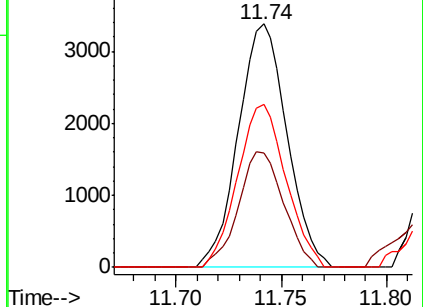
148 67.0 45.8 85.2



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: 0.587 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

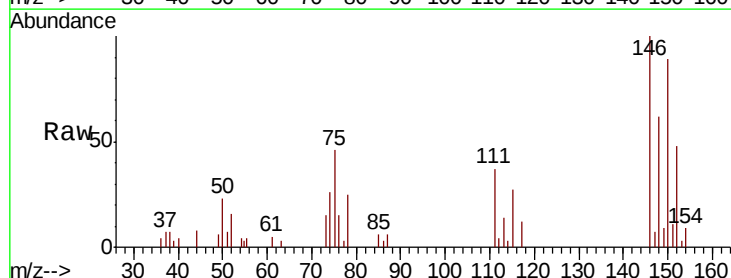
Tgt Ion:146 Resp: 6013

Ion Ratio Lower Upper

146 100

111 36.8 28.3 52.7

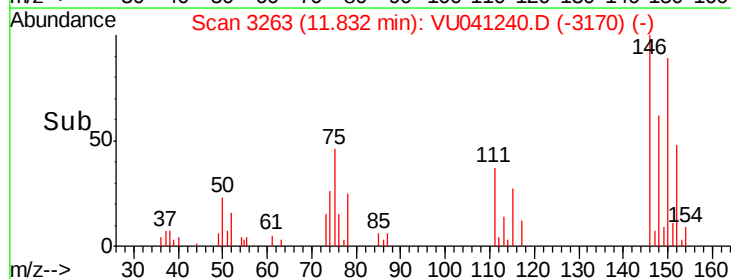
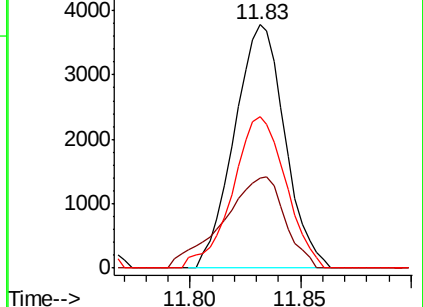
148 62.2 44.2 82.2

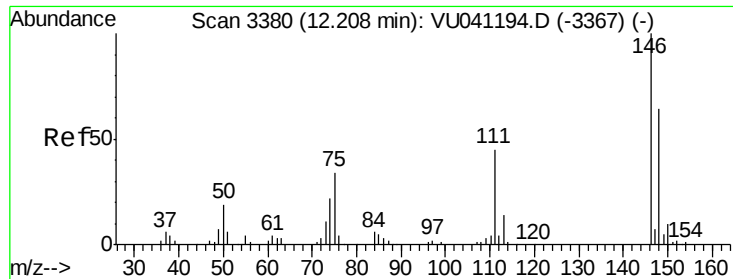


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

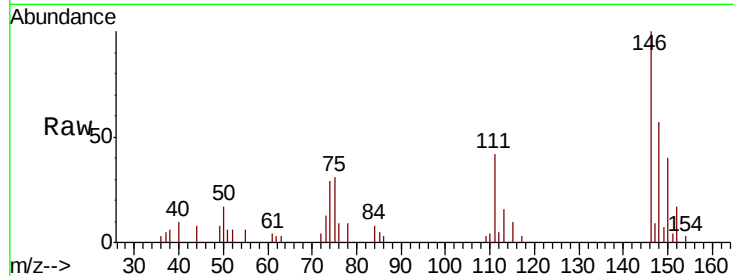




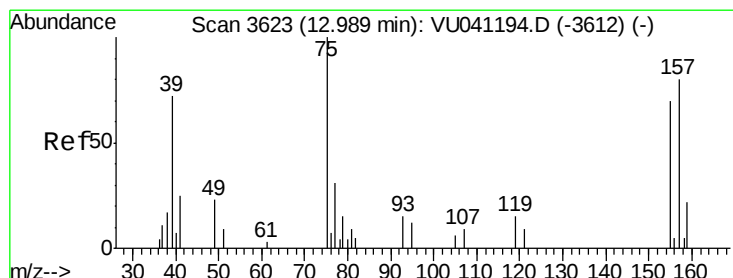
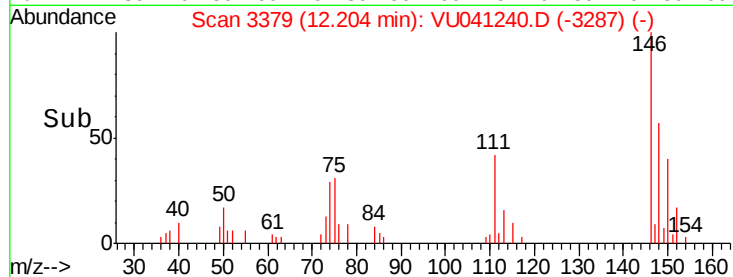
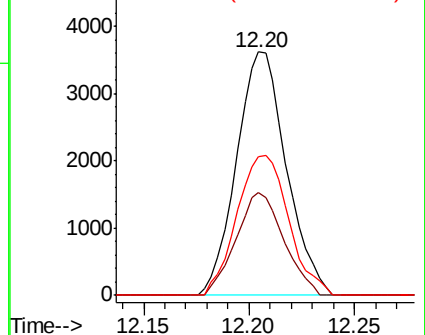
#65
 1,2-Dichlorobenzene
 Concen: 0.600 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041240.D
 Acq: 16 Nov 2020 11:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tot Ion:146 Resp: 5930
 Ion Ratio Lower Upper
 146 100
 111 42.5 35.0 52.6
 148 57.2 52.0 78.0

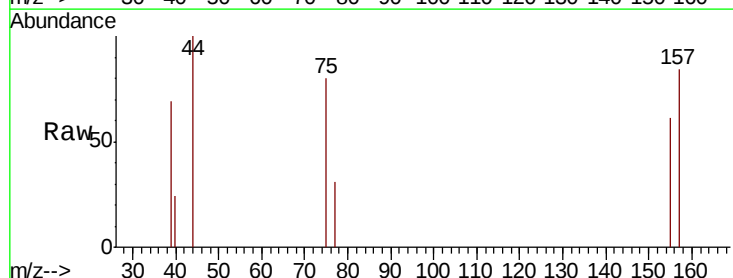


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

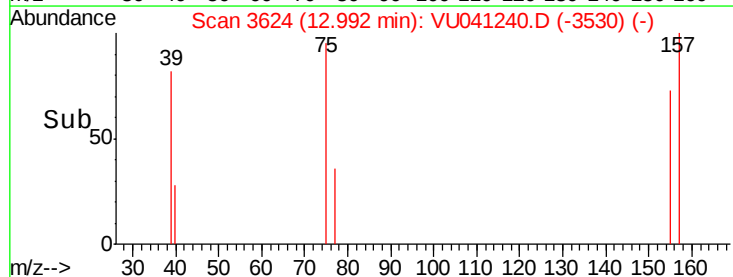
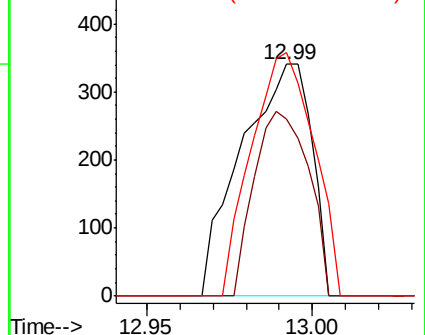


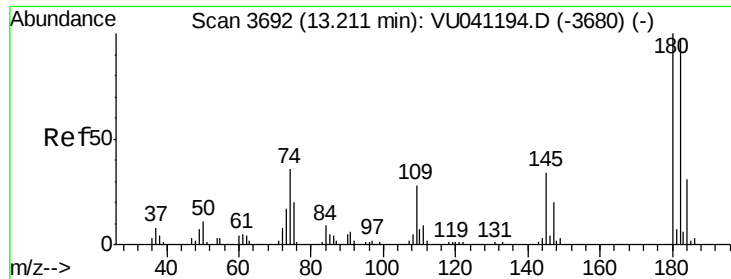
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.549 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU041240.D
 Acq: 16 Nov 2020 11:27

Tgt Ion: 75 Resp: 504
 Ion Ratio Lower Upper
 75 100
 155 76.2 61.4 92.2
 157 105.0 74.2 111.4



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

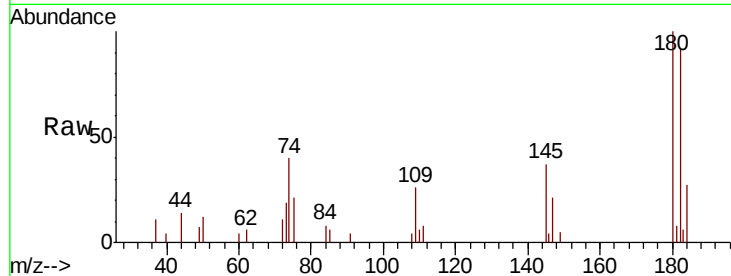




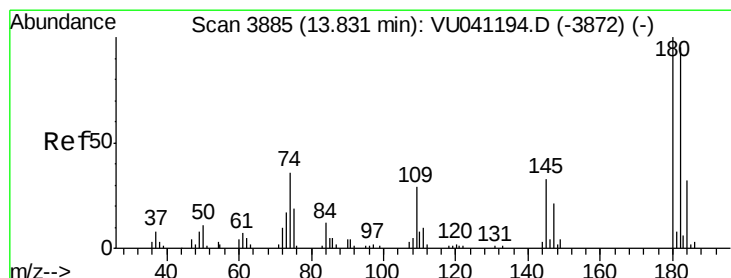
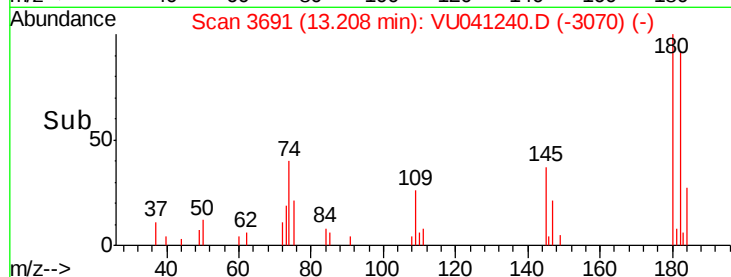
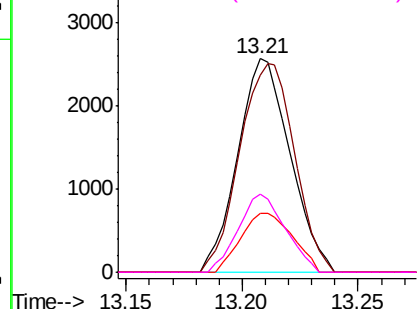
#67
 1,3,5-Trichlorobenzene
 Concen: 0.569 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041240.D
 Acq: 16 Nov 2020 11:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tot Ion:180 Resp: 4024
 Ion Ratio Lower Upper
 180 100
 182 101.9 75.7 113.5
 184 27.3 23.7 35.5
 145 32.8 26.1 39.1

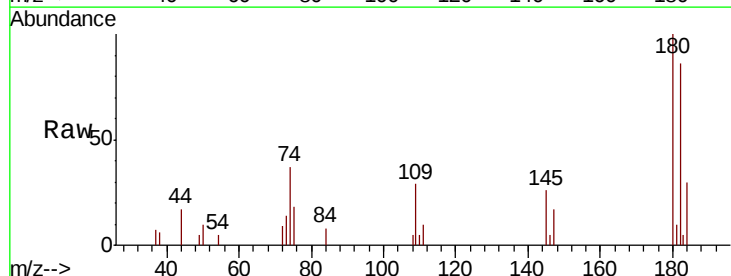


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

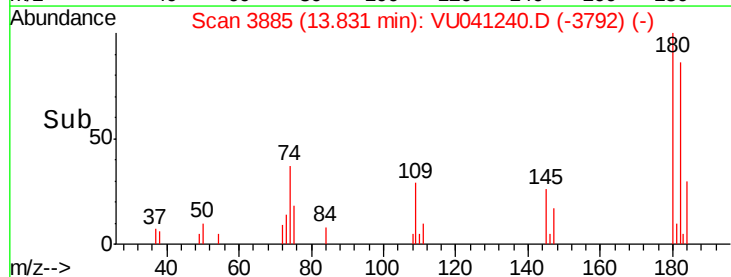
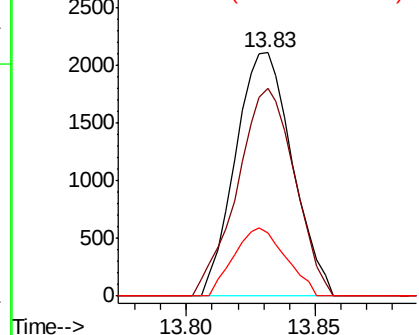


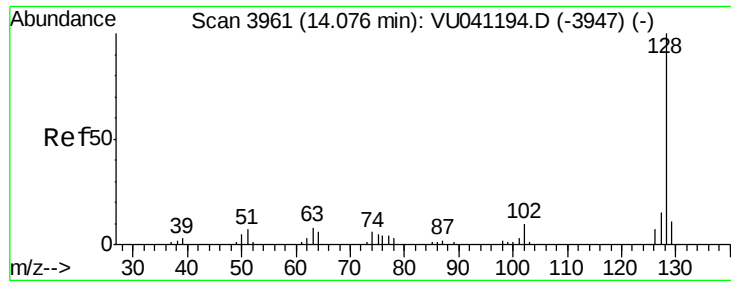
#68
 1,2,4-trichlorobenzene
 Concen: 0.550 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041240.D
 Acq: 16 Nov 2020 11:27

Tgt Ion:180 Resp: 3236
 Ion Ratio Lower Upper
 180 100
 182 86.4 73.5 110.3
 145 25.6 26.6 40.0#



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: 0.460 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

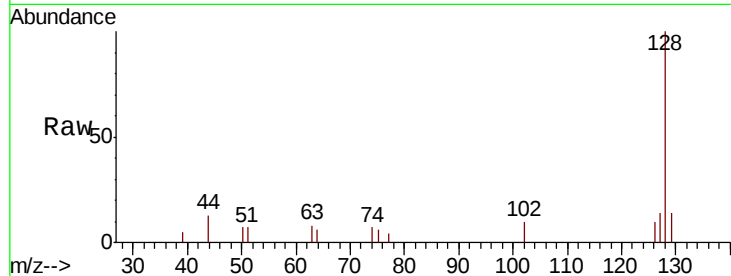
Tot Ion:128 Resp: 4375

Ion Ratio Lower Upper

128 100

129 10.2 8.7 13.1

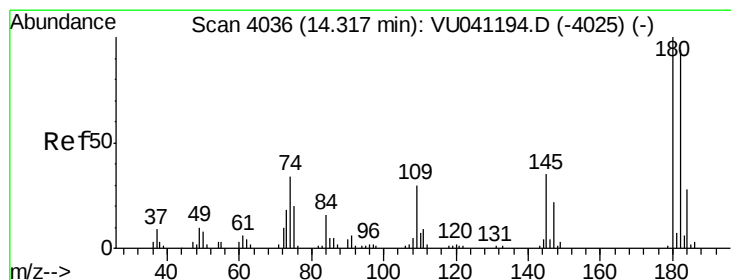
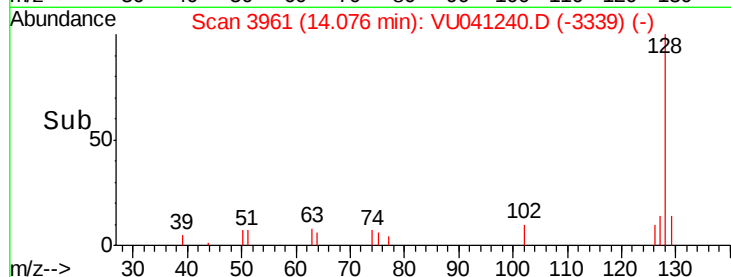
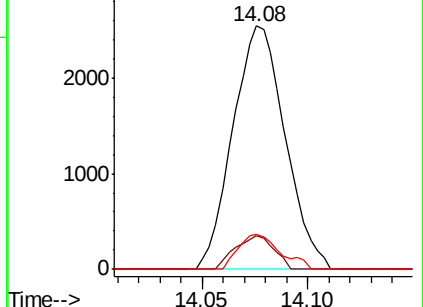
127 11.4 10.8 16.2



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: 0.584 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041240.D

Acq: 16 Nov 2020 11:27

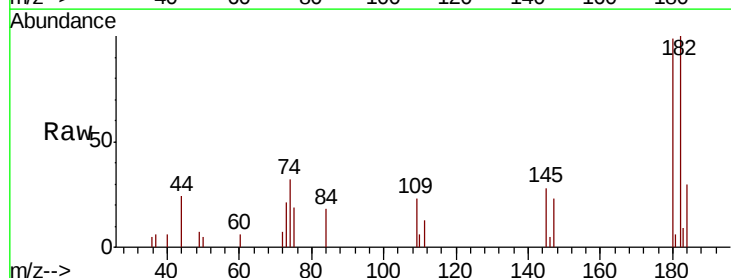
Tgt Ion:180 Resp: 3190

Ion Ratio Lower Upper

180 100

182 94.1 77.7 116.5

145 32.4 29.4 44.0



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

