

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040347.D
 Acq On : 29 Sep 2020 09:21
 Operator : SY/MD
 Sample : VSTD0.504
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Quant Time: Sep 30 01:12:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 01:04:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	125582	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	129865	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	63080	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	3381	0.51	ug/L	0.00
7) Chloroethane-d5	1.92	69	2905	0.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	7309	0.43	ug/L	0.00
20) 2-Butanone-d5	4.65	46	14649	5.29	ug/L	0.00
24) Chloroform-d	5.08	84	7243	0.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	4805	0.50	ug/L	0.00
32) Benzene-d6	5.74	84	12196	0.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	4713	0.48	ug/L	0.00
41) Toluene-d8	7.90	98	9921	0.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.18	79	1806	0.41	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	8604	3.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	4617	0.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	5073	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	6125	0.496	ug/L 98
3) Chloromethane	1.53	50	6237	0.523	ug/L 89
5) Vinyl chloride	1.61	62	5973	0.497	ug/L 99
6) Bromomethane	1.87	94	2677	0.440	ug/L 93
8) Chloroethane	1.94	64	3771	0.522	ug/L # 77
9) Trichlorofluoromethane	2.15	101	8525	0.502	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5663	0.513	ug/L 94
12) 1,1-Dichloroethene	2.59	96	4718	0.492	ug/L 82
13) Acetone	2.66	43	13382	5.428	ug/L 95
14) Carbon disulfide	2.81	76	15153	0.492	ug/L 97
15) Methyl Acetate	2.97	43	3166	0.501	ug/L # 80
16) Methylene chloride	3.06	84	7595	0.605	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	12276	0.433	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	4479	0.434	ug/L 93
19) 1,1-Dichloroethane	3.89	63	10072	0.476	ug/L # 92
21) 2-Butanone	4.73	43	19032	4.670	ug/L 97
22) cis-1,2-Dichloroethene	4.68	96	5265	0.472	ug/L 95
23) Bromochloromethane	4.99	128	2325	0.476	ug/L 96
25) Chloroform	5.11	83	10300	0.476	ug/L 97
27) 1,2-Dichloroethane	5.81	62	6880	0.441	ug/L 96
29) 1,1,1-Trichloroethane	5.33	97	8489	0.430	ug/L 97
30) Cyclohexane	5.40	56	7864	0.406	ug/L 96
31) Carbon tetrachloride	5.54	117	7032	0.414	ug/L 98
33) Benzene	5.79	78	19865	0.434	ug/L 100
34) Trichloroethene	6.56	95	5616	0.461	ug/L 96
35) Methylcyclohexane	6.77	83	7338	0.394	ug/L 97
37) 1,2-Dichloropropane	6.80	63	5766	0.468	ug/L # 92
38) Bromodichloromethane	7.11	83	6870	0.411	ug/L 87
39) cis-1,3-Dichloropropene	7.62	75	6501	0.363	ug/L 97
40) 4-Methyl-2-pentanone	7.80	43	38599	3.830	ug/L 98

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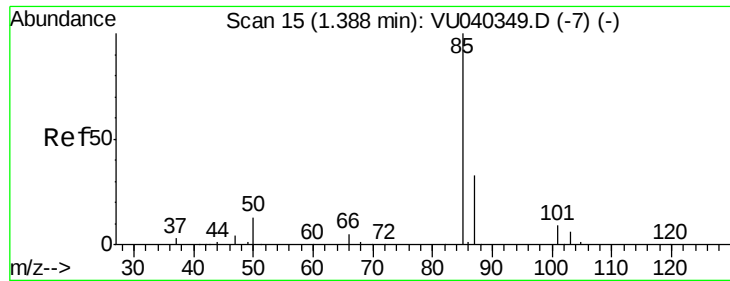
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.98	91	18900	0.402	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	6023	0.362	ug/L #	79
45) 1,1,2-Trichloroethane	8.40	97	3822	0.428	ug/L	96
47) Tetrachloroethene	8.56	164	3890	0.479	ug/L	97
48) 2-Hexanone	8.69	43	28183	3.848	ug/L	97
49) Dibromochloromethane	8.81	129	4303	0.401	ug/L	92
50) 1,2-Dibromoethane	8.93	107	3395	0.392	ug/L #	95
51) Chlorobenzene	9.45	112	13141	0.446	ug/L	96
52) Ethylbenzene	9.57	91	19602	0.370	ug/L	96
53) m,p-Xylene	9.69	106	7182	0.378	ug/L	99
54) o-Xylene	10.10	106	6541	0.362	ug/L	93
55) Styrene	10.11	104	10929	0.346	ug/L	97
56) Isopropylbenzene	10.48	105	17138	0.349	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.78	83	5315	0.456	ug/L	90
59) 1,2,3-Trichloropropane	10.82	75	4195	0.461	ug/L	98
61) Bromoform	10.29	173	2505	0.445	ug/L #	93
62) 1,3-Dichlorobenzene	11.74	146	8944	0.395	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	10055	0.440	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	9018	0.412	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.99	75	943	0.422	ug/L	87
67) 1,3,5-Trichlorobenzene	13.21	180	6579	0.415	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	4538	0.337	ug/L	90
69) Naphthalene	14.08	128	5941	0.221	ug/L	97
70) 1,2,3-Trichlorobenzene	14.32	180	4078	0.329	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.496 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

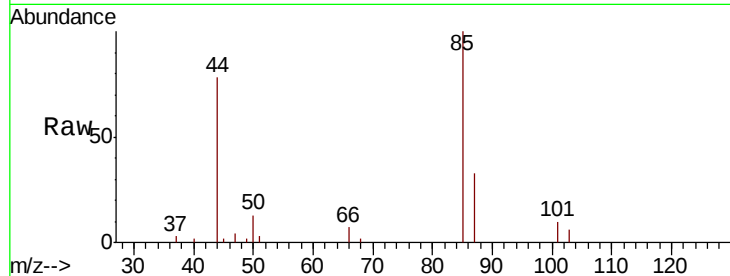
VSTD0.504

Tot Ion: 85 Resp: 6125

Ion Ratio Lower Upper

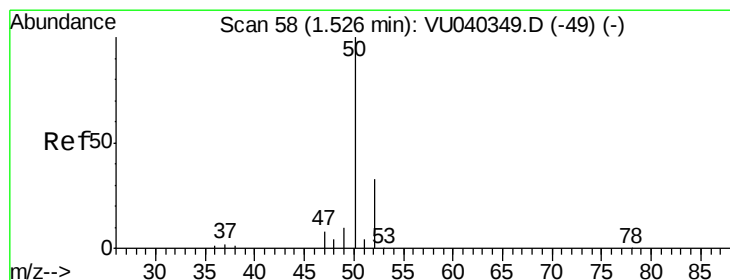
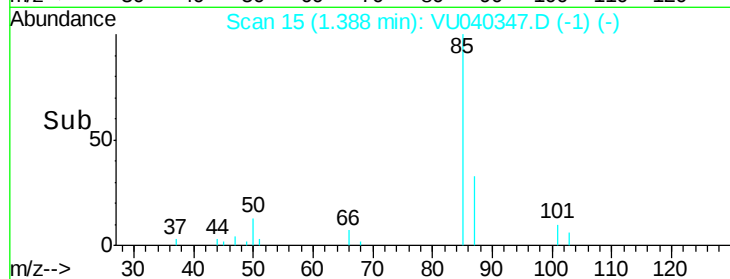
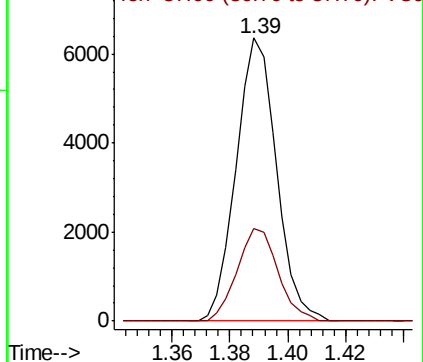
85 100

87 33.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.523 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040347.D

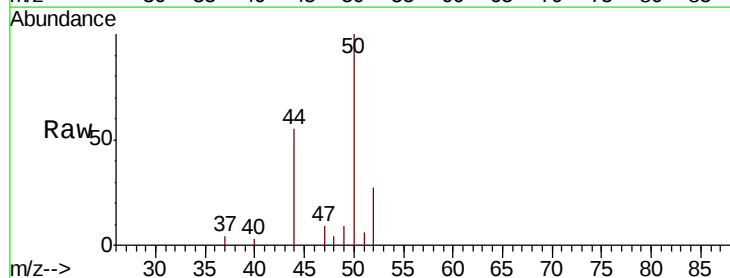
Acq: 29 Sep 2020 09:21

Tgt Ion: 50 Resp: 6237

Ion Ratio Lower Upper

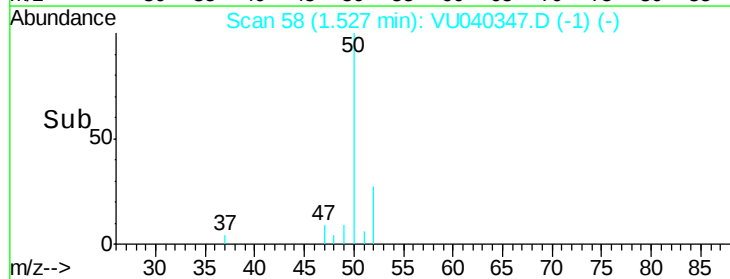
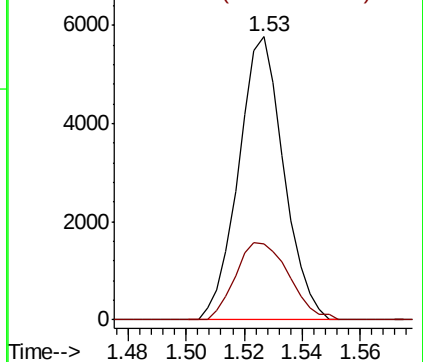
50 100

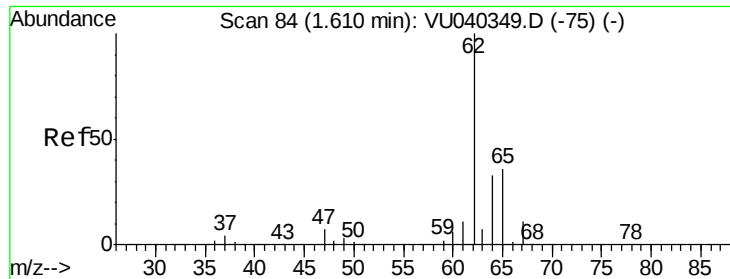
52 26.8 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.497 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

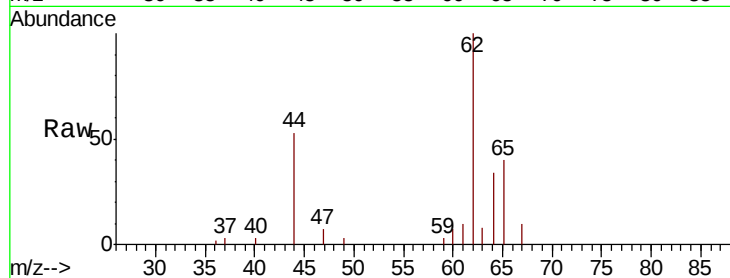
VSTD0.504

Tot Ion: 62 Resp: 5973

Ion Ratio Lower Upper

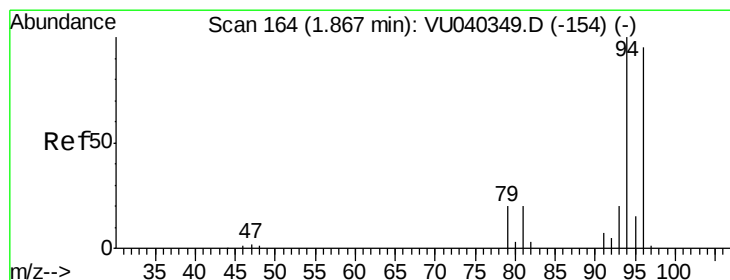
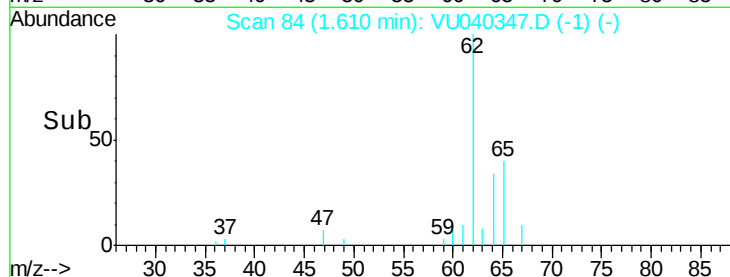
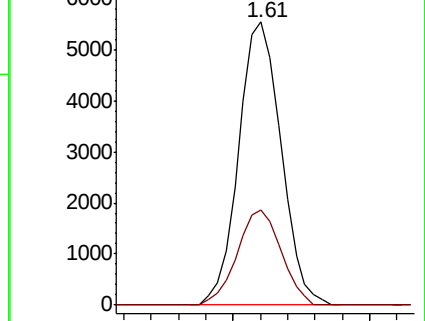
62 100

64 33.5 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.440 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040347.D

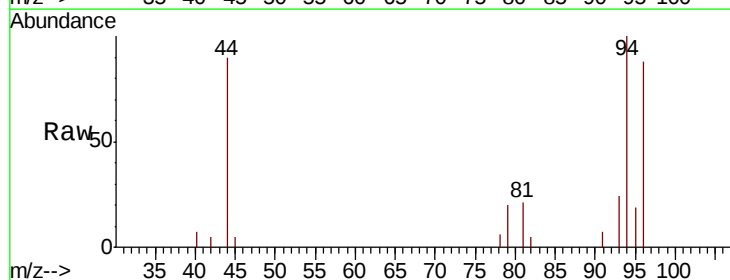
Acq: 29 Sep 2020 09:21

Tgt Ion: 94 Resp: 2677

Ion Ratio Lower Upper

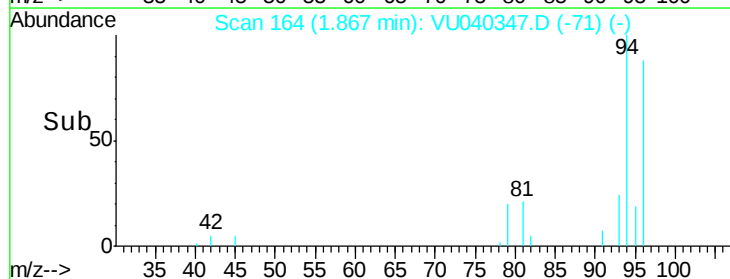
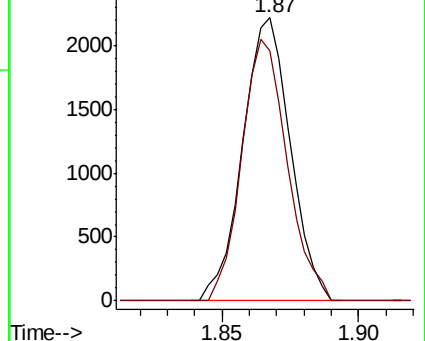
94 100

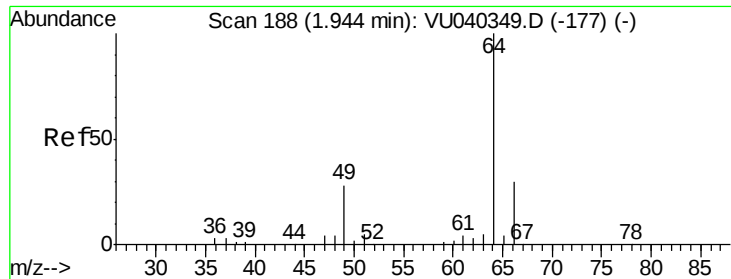
96 88.1 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.522 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

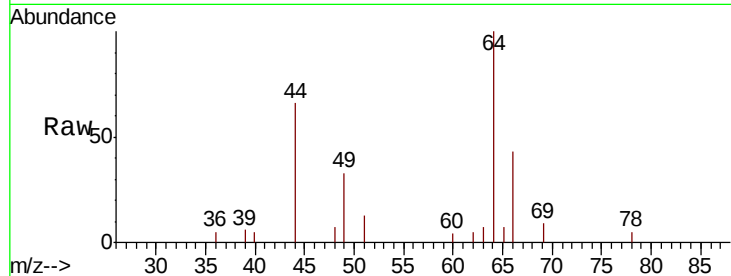
VSTD0.504

Tot Ion: 64 Resp: 3771

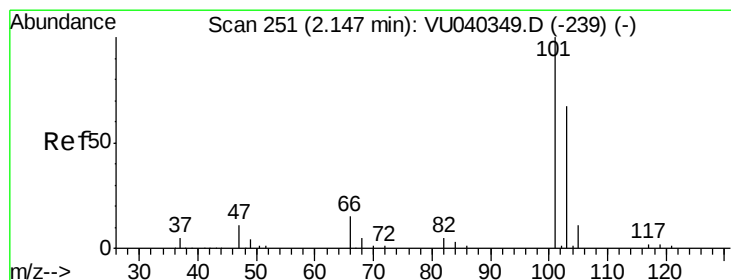
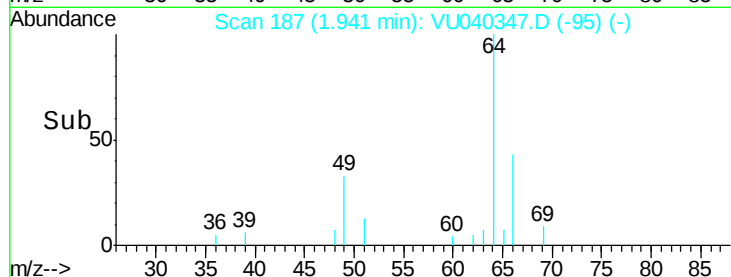
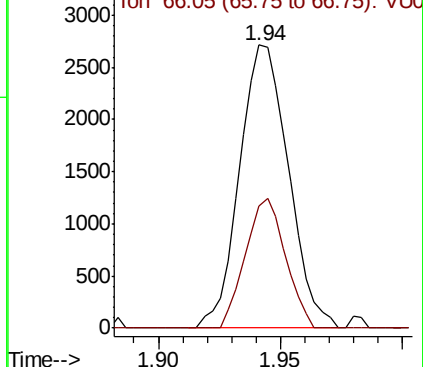
Ion Ratio Lower Upper

64 100

66 43.1 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU040347.D (-95) (-)



#9

Trichlorofluoromethane

Concen: 0.502 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU040347.D

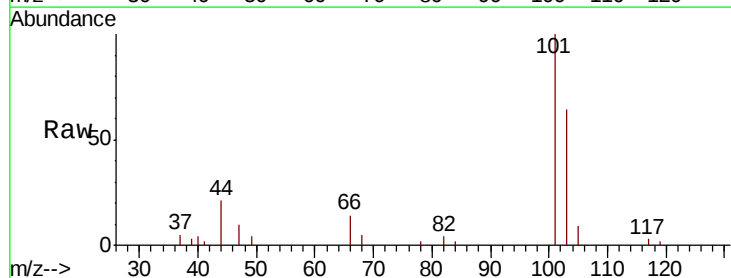
Acq: 29 Sep 2020 09:21

Tgt Ion:101 Resp: 8525

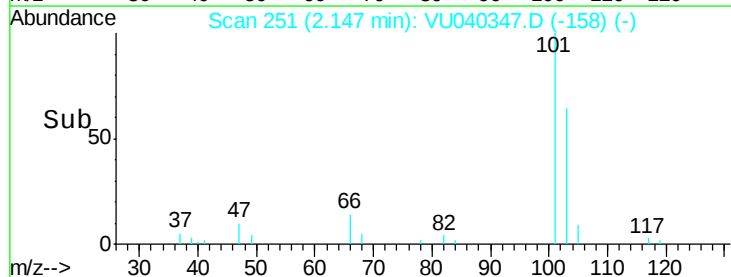
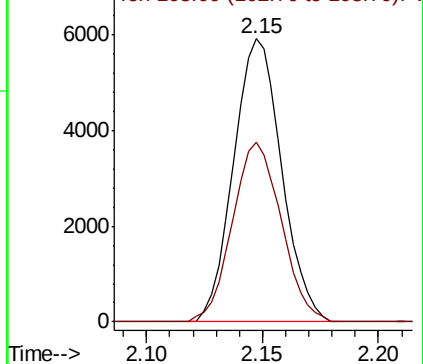
Ion Ratio Lower Upper

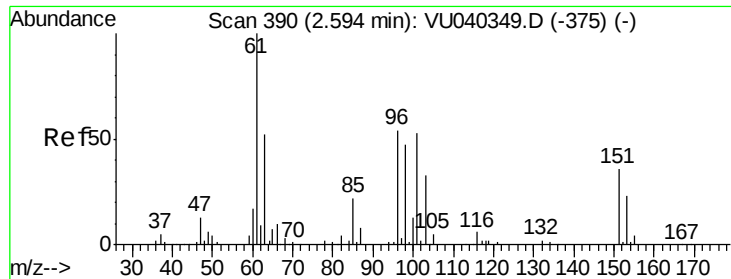
101 100

103 64.5 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VU040347.D (-158) (-)





#10

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

Concen: 0.513 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

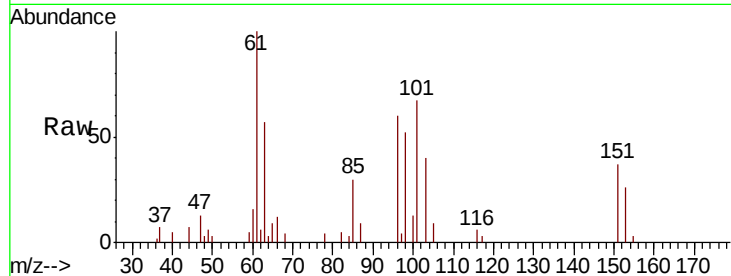
Tot Ion:101 Resp: 5663

Ion Ratio Lower Upper

101 100

85 44.2 35.0 52.6

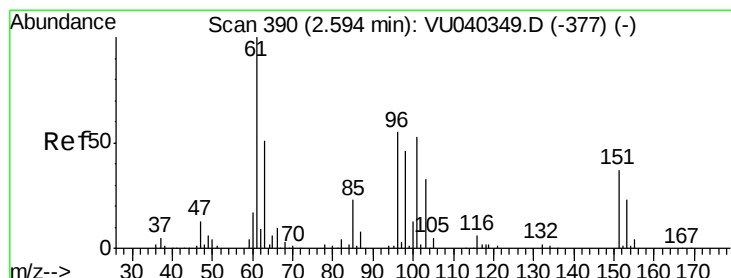
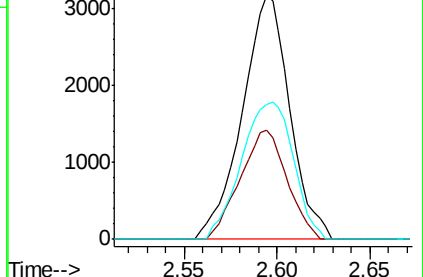
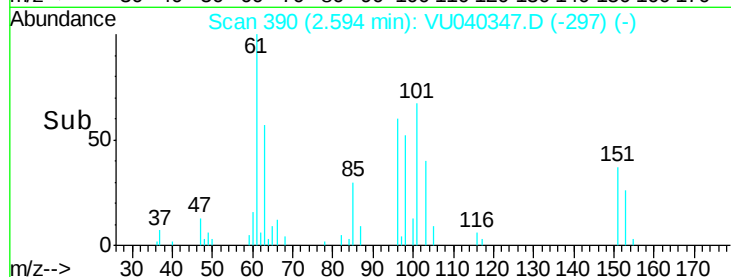
151 61.6 55.4 83.2



Abundance Ion 101.00 (100.70 to 101.70): VU040347.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040347.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040347.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 0.492 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

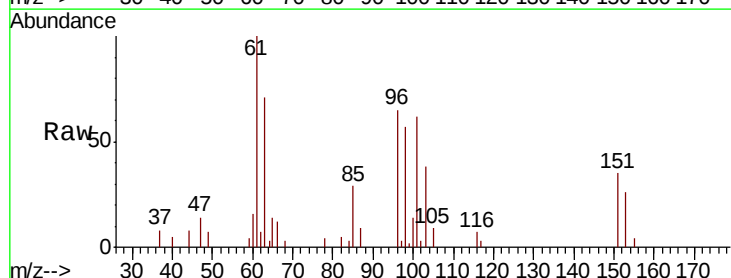
Tgt Ion: 96 Resp: 4718

Ion Ratio Lower Upper

96 100

61 154.0 128.6 238.8

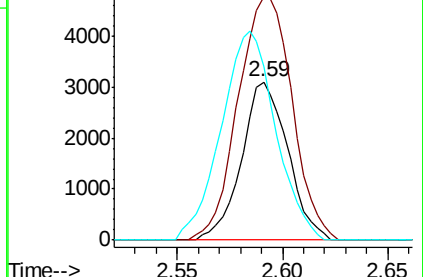
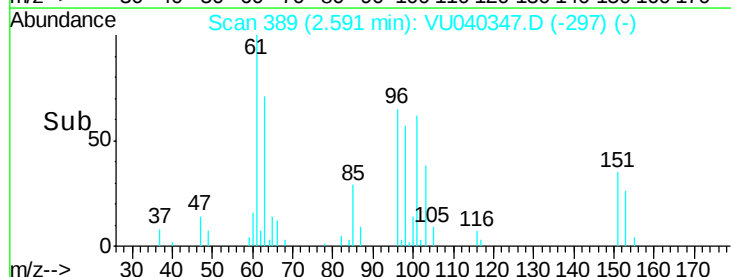
63 109.9 67.8 126.0

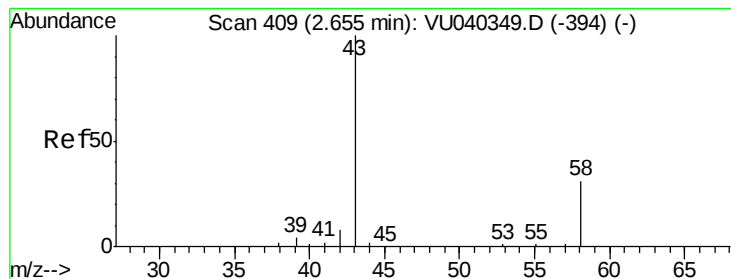


Abundance Ion 96.00 (95.70 to 96.70): VU040347.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU040347.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU040347.D (-297) (-)





#13

Acetone

Concen: 5.428 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

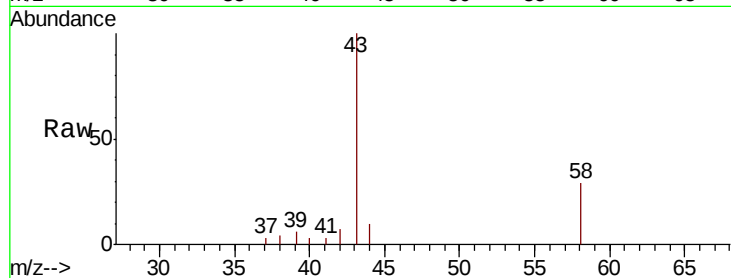
VSTD0.504

Tot Ion: 43 Resp: 13382

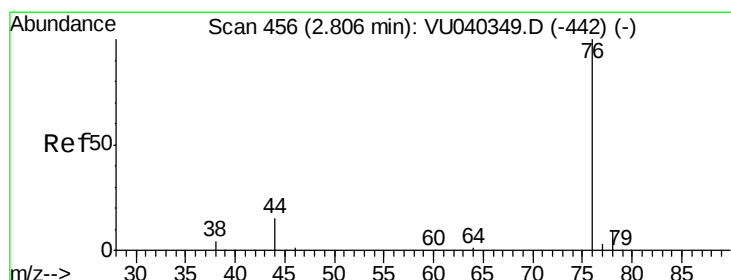
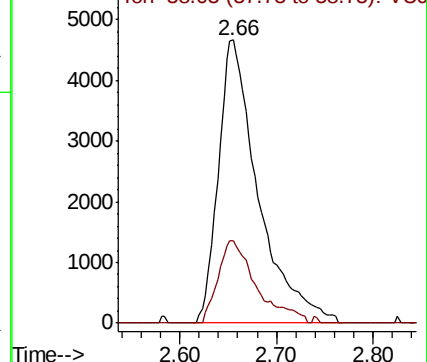
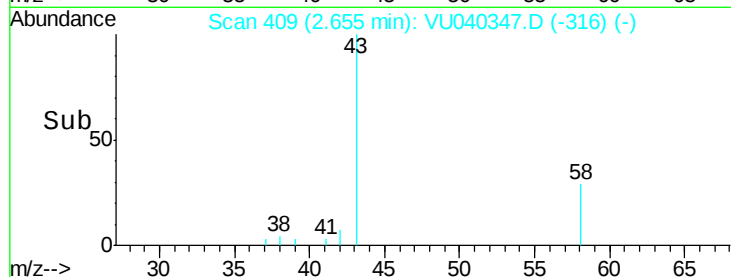
Ion Ratio Lower Upper

43 100

58 28.1 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040347.D (-316) (-)



#14

Carbon disulfide

Concen: 0.492 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040347.D

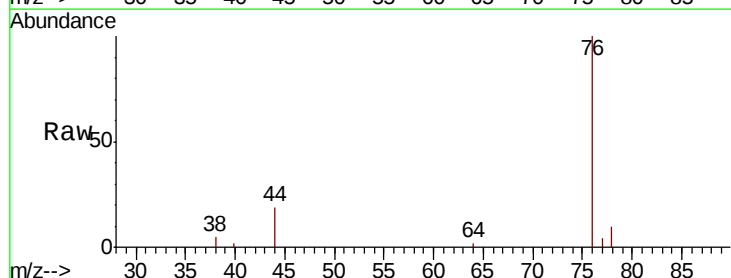
Acq: 29 Sep 2020 09:21

Tgt Ion: 76 Resp: 15153

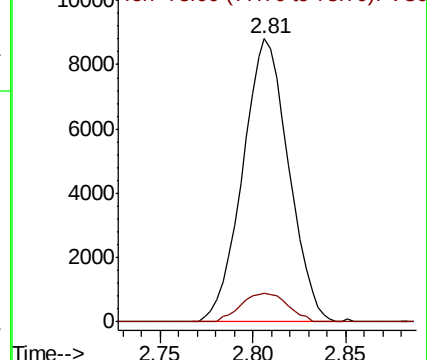
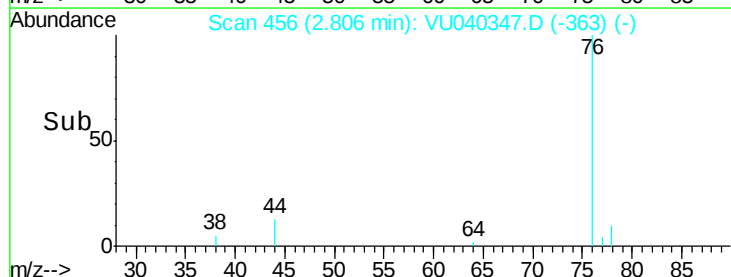
Ion Ratio Lower Upper

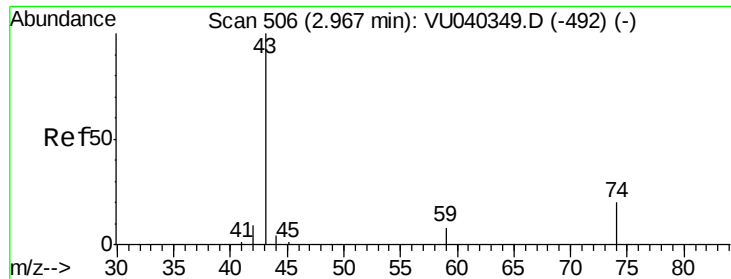
76 100

78 9.9 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040347.D (-363) (-)





#15

Methvl Acetate

Concen: 0.501 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

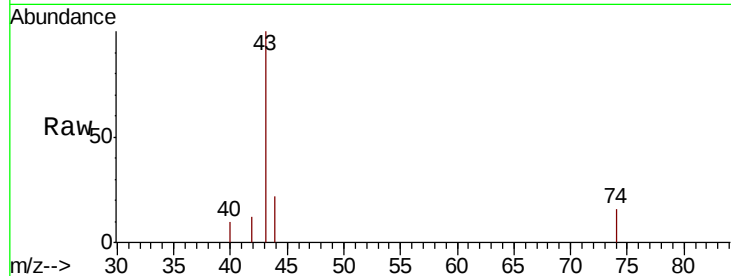
VSTD0.504

Tot Ion: 43 Resp: 3166

Ion Ratio Lower Upper

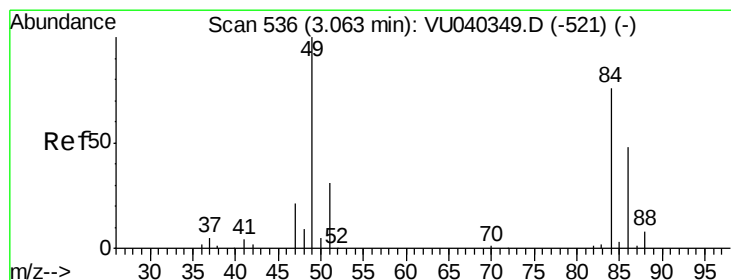
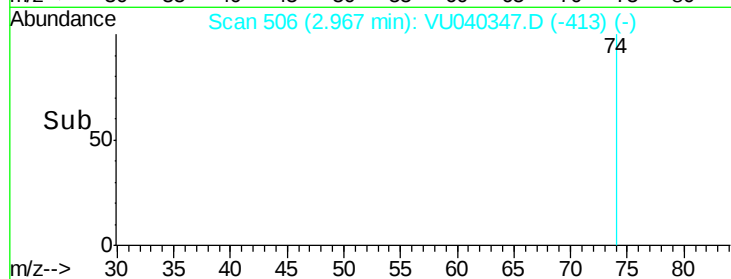
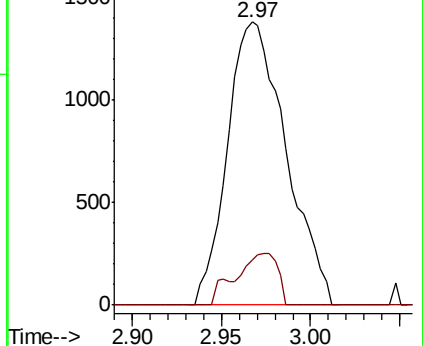
43 100

74 10.9 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.605 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

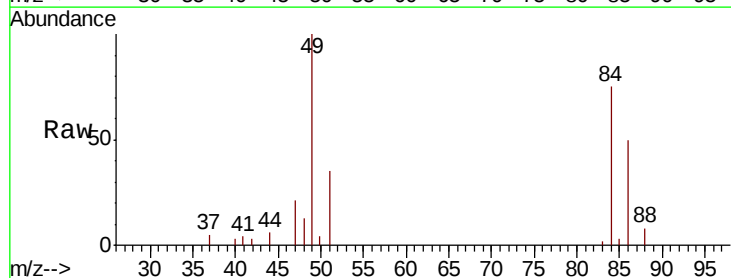
Tgt Ion: 84 Resp: 7595

Ion Ratio Lower Upper

84 100

86 67.6 44.4 82.5

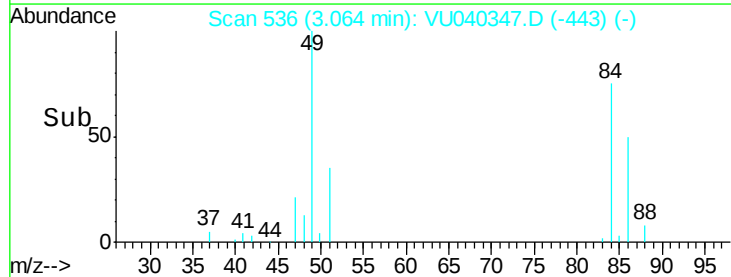
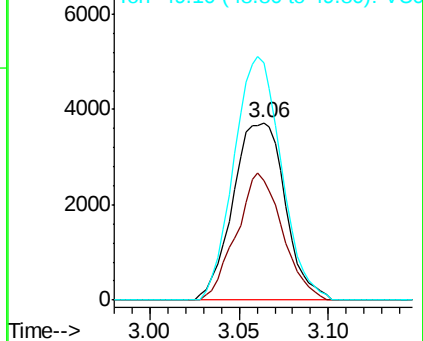
49 133.9 92.2 171.2

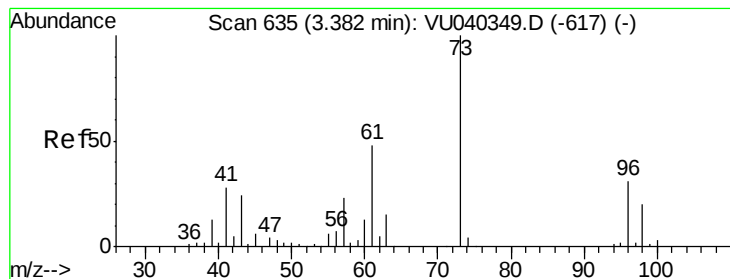


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



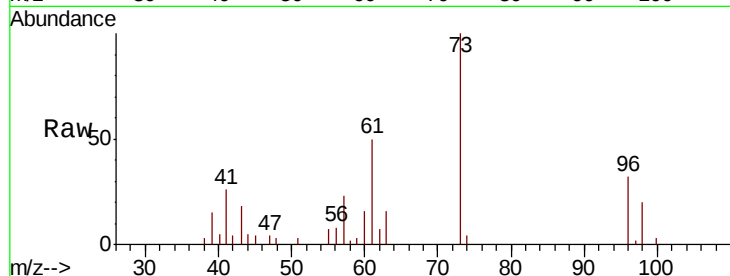


#17

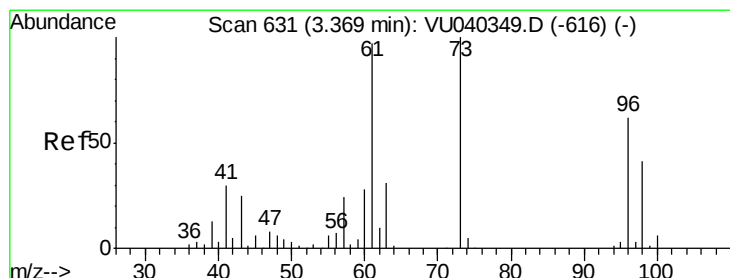
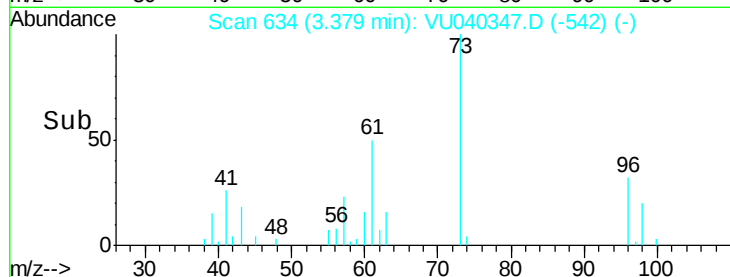
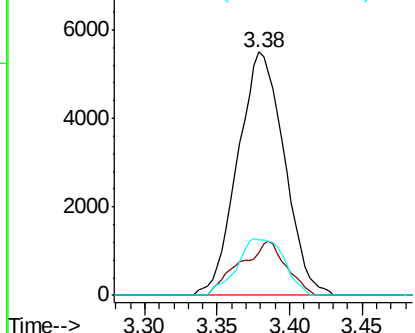
Methvl tert-butvl Ether
 Concen: 0.433 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tot Ion: 73 Resp: 12276
 Ion Ratio Lower Upper
 73 100
 43 22.1 19.0 28.4
 57 23.6 18.9 28.3



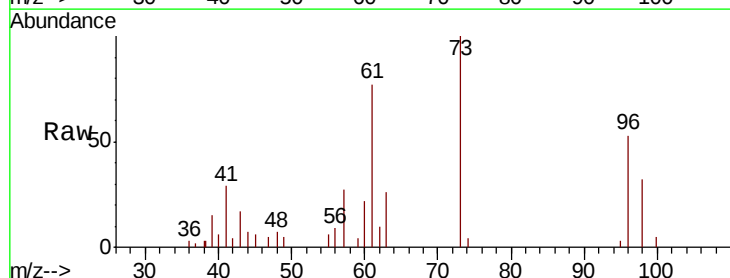
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



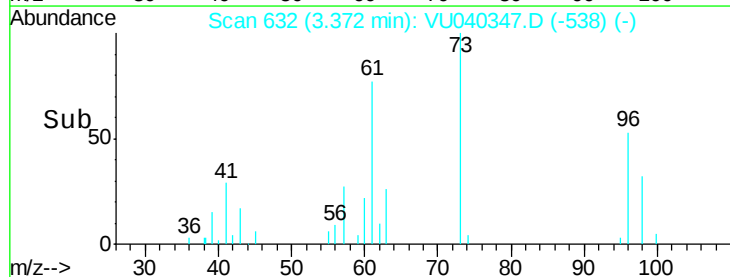
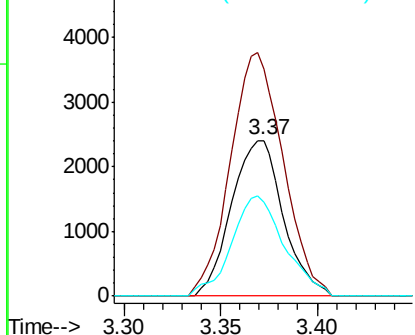
#18

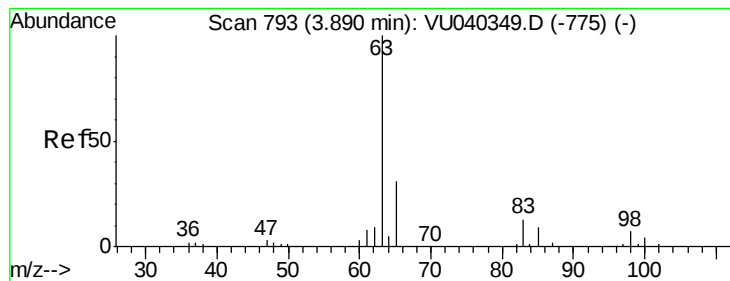
trans-1,2-Dichloroethene
 Concen: 0.434 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

Tgt Ion: 96 Resp: 4479
 Ion Ratio Lower Upper
 96 100
 61 146.1 109.3 203.1
 98 60.6 45.8 85.0



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: 0.476 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

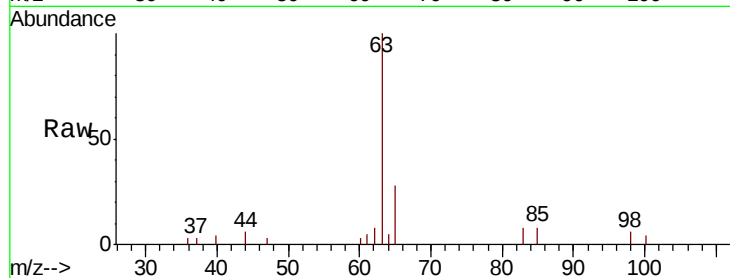
Tot Ion: 63 Resp: 10072

Ion Ratio Lower Upper

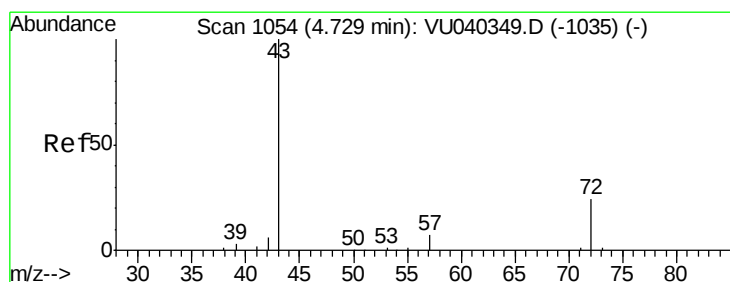
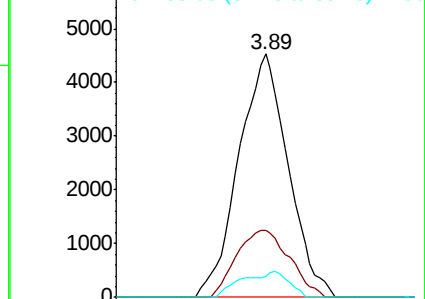
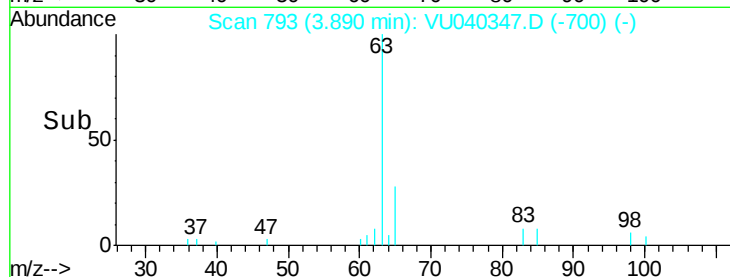
63 100

65 27.6 21.7 40.3

83 8.5 9.1 16.9#



Abundance Ion 63.10 (62.80 to 63.80): VU040347.D (-700) (-)



#21

2-Butanone

Concen: 4.670 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU040347.D

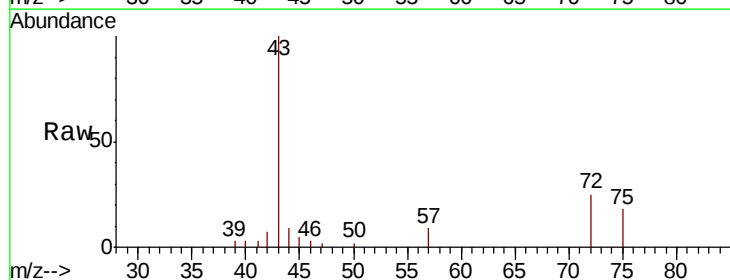
Acq: 29 Sep 2020 09:21

Tgt Ion: 43 Resp: 19032

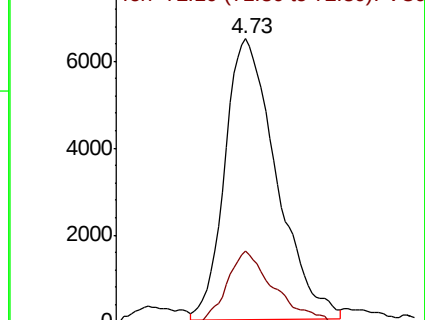
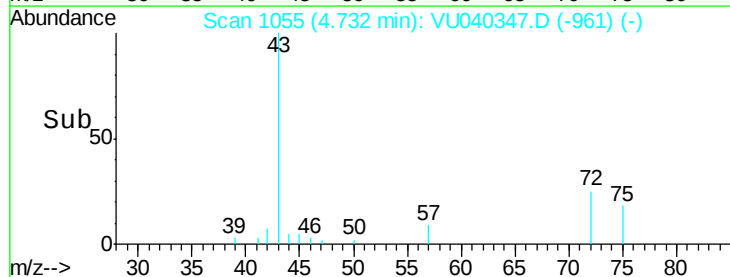
Ion Ratio Lower Upper

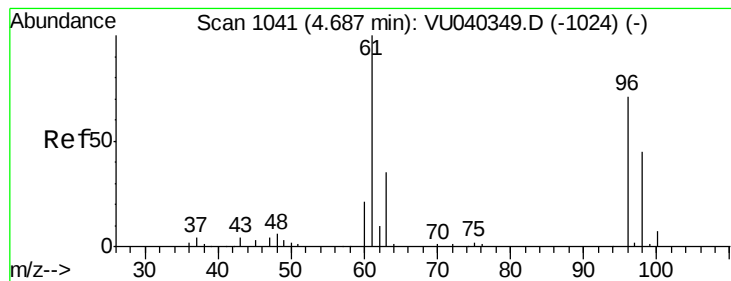
43 100

72 22.6 12.0 36.1



Abundance Ion 43.05 (42.75 to 43.75): VU040347.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.472 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

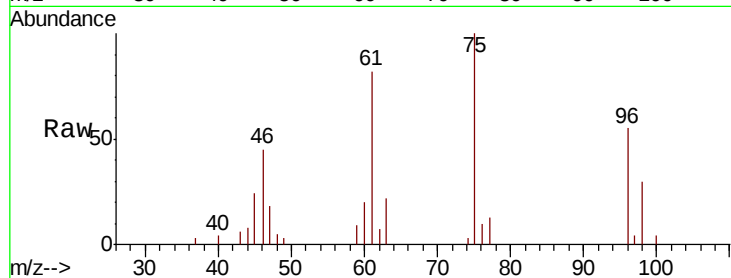
Tot Ion: 96 Resp: 5265

Ion Ratio Lower Upper

96 100

61 147.7 99.3 184.5

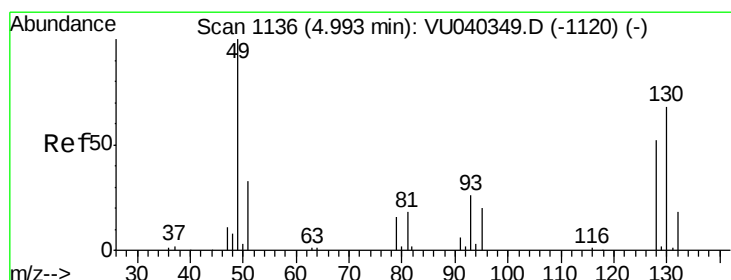
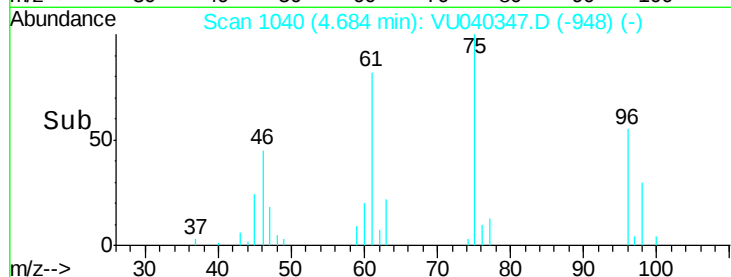
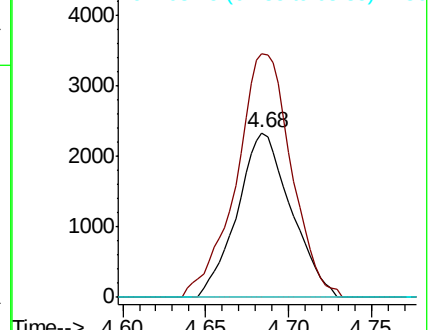
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040347.D (-1043) (-)

Ion 61.05 (60.75 to 61.75): VU040347.D (-1043) (-)

Ion 68.15 (67.85 to 68.85): VU040347.D (-1043) (-)



#23

Bromochloromethane

Concen: 0.476 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Tgt Ion: 128 Resp: 2325

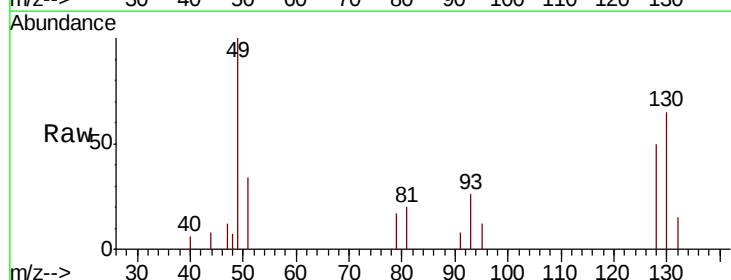
Ion Ratio Lower Upper

128 100

49 199.6 134.6 250.0

130 130.5 91.1 169.1

51 68.1 50.6 75.8

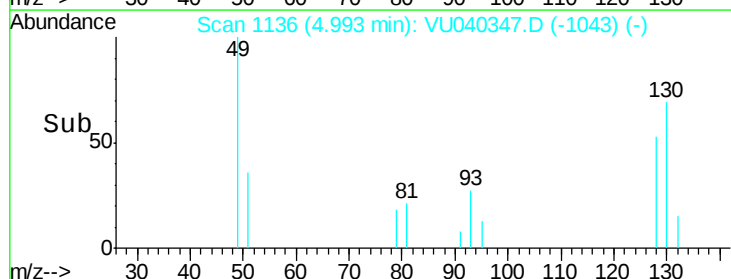
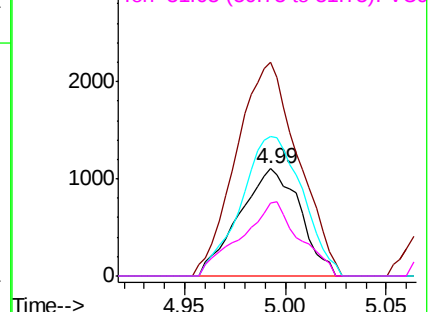


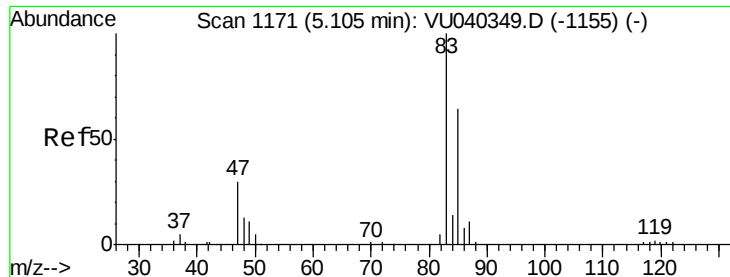
Abundance Ion 127.90 (127.60 to 128.60): VU040347.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU040347.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040347.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040347.D (-1043) (-)

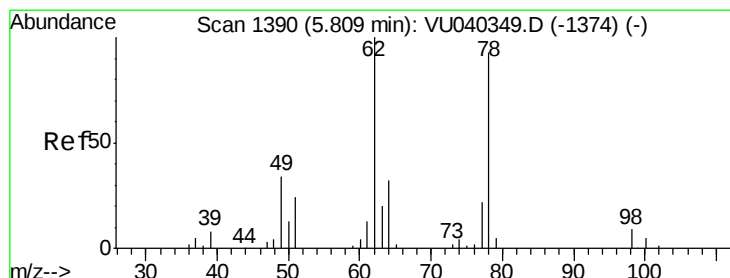
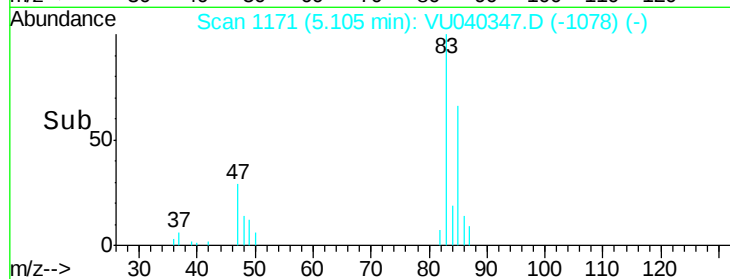
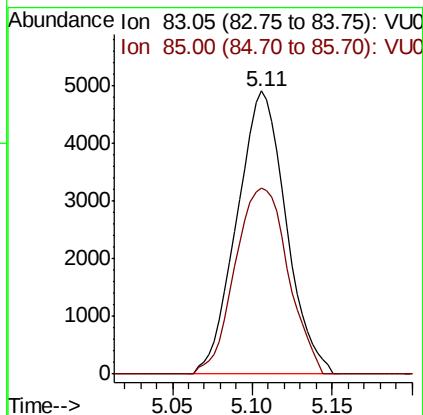
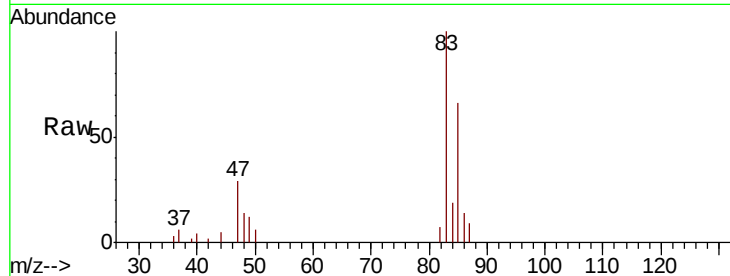




#25
Chloroform
Concen: 0.476 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040347.D
Acq: 29 Sep 2020 09:21

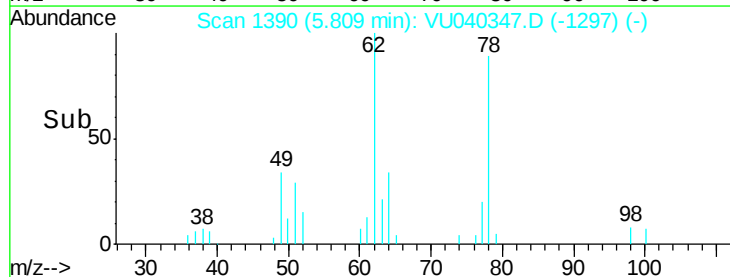
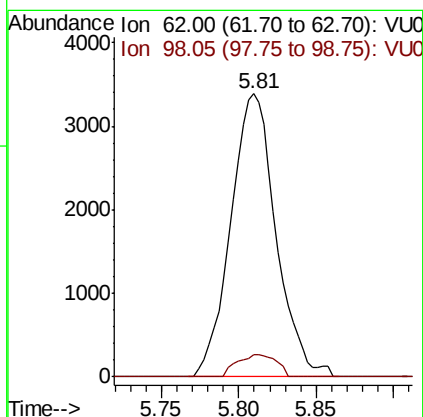
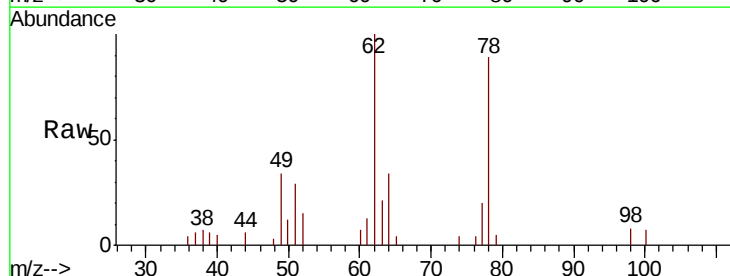
Instrument :
MSVOA_U
ClientSampled :
VSTD0.504

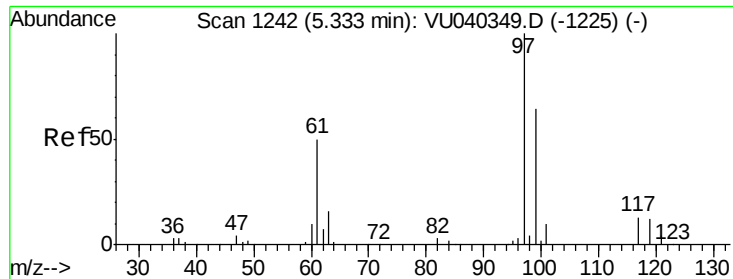
Tot Ion: 83 Resp: 10300
Ion Ratio Lower Upper
83 100
85 65.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.441 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040347.D
Acq: 29 Sep 2020 09:21

Tgt Ion: 62 Resp: 6880
Ion Ratio Lower Upper
62 100
98 7.8 7.5 11.3

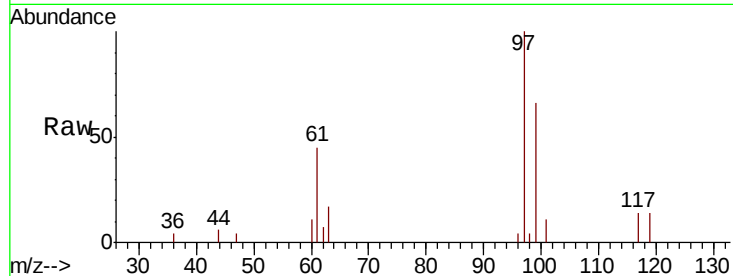




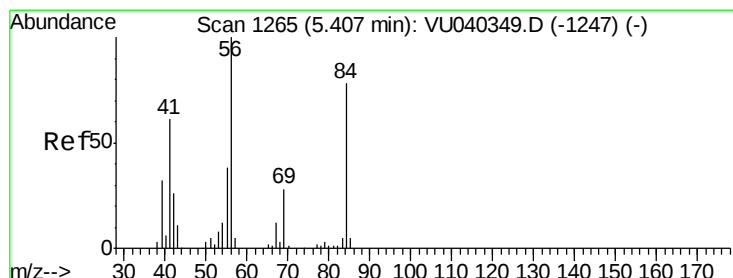
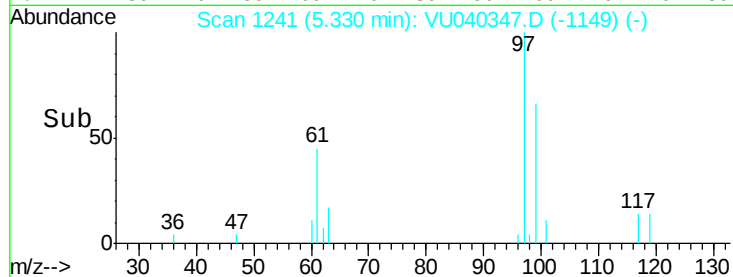
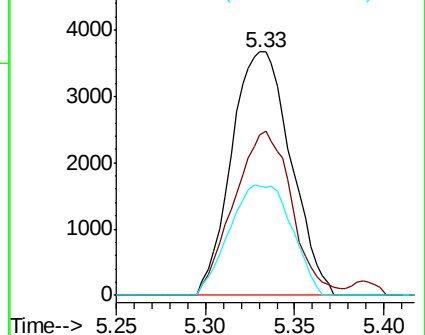
#29
 1,1,1-Trichloroethane
 Concen: 0.430 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tot Ion: 97 Resp: 8489
 Ion Ratio Lower Upper
 97 100
 99 66.0 50.7 76.1
 61 47.7 39.7 59.5

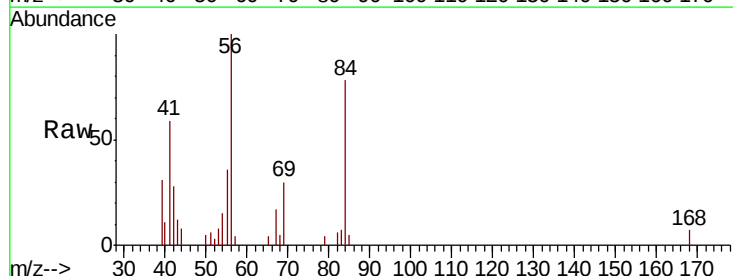


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

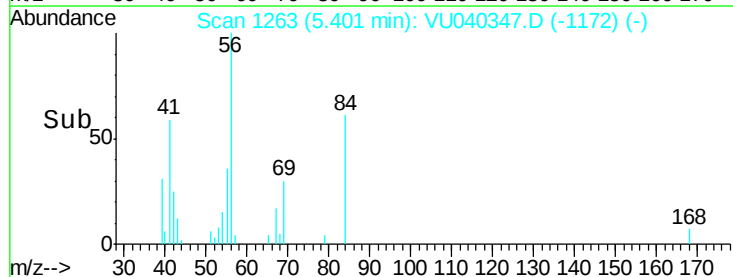
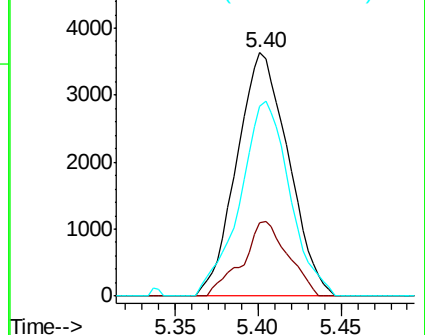


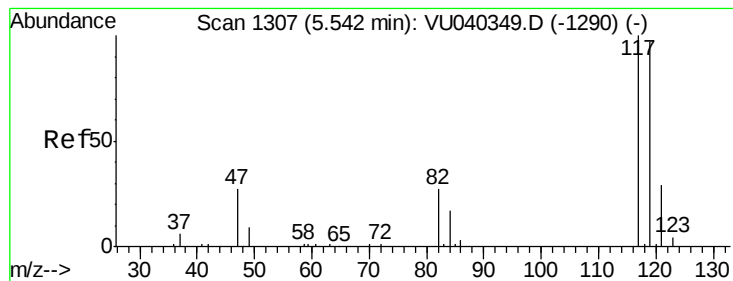
#30
 Cyclohexane
 Concen: 0.406 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

Tgt Ion: 56 Resp: 7864
 Ion Ratio Lower Upper
 56 100
 69 26.8 23.3 34.9
 84 76.9 64.2 96.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 0.414 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

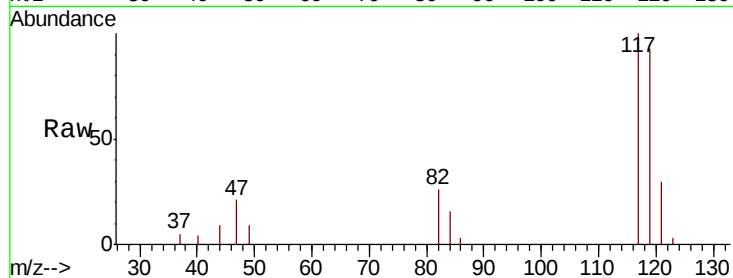
VSTD0.504

Tot Ion:117 Resp: 7032

Ion Ratio Lower Upper

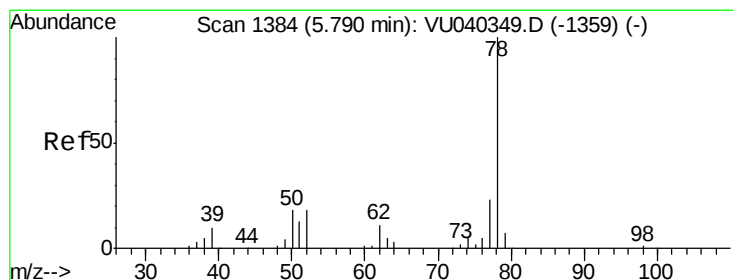
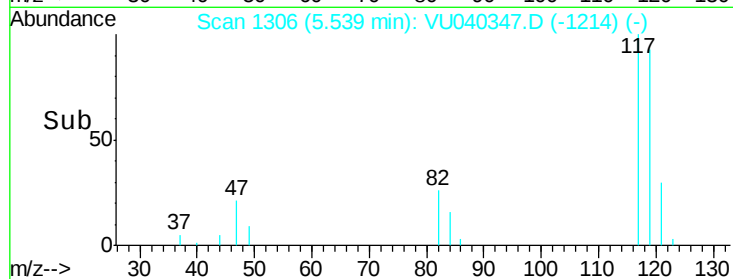
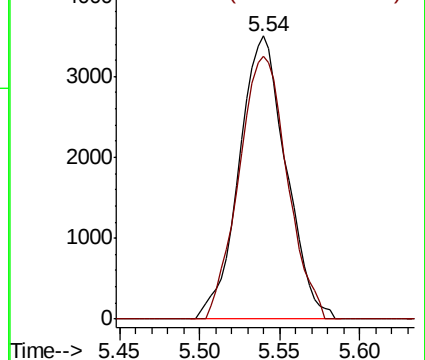
117 100

119 95.2 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.434 ug/L

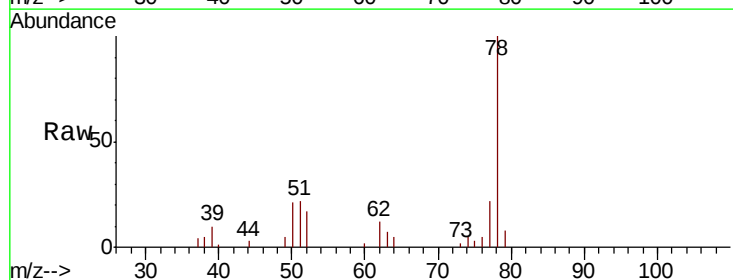
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

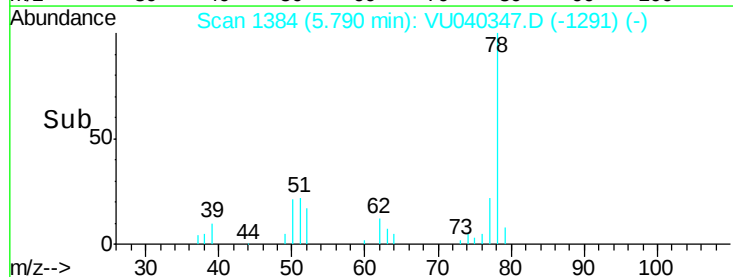
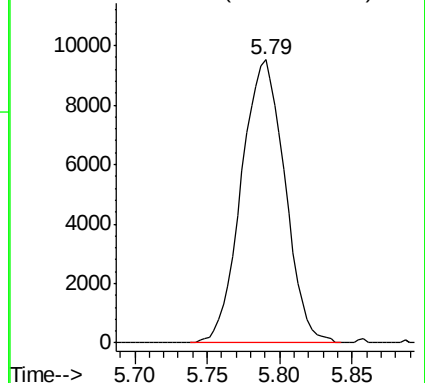
Lab File: VU040347.D

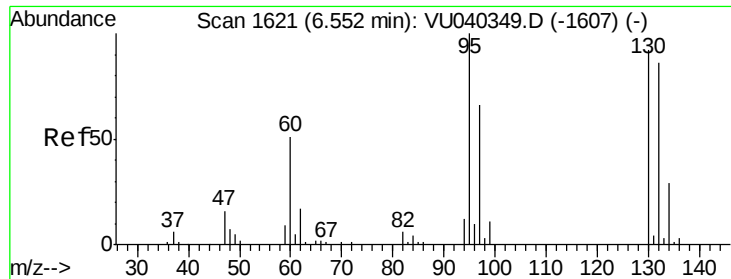
Acq: 29 Sep 2020 09:21

Tgt Ion: 78 Resp: 19865



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.461 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

Tot Ion: 95 Resp: 5616

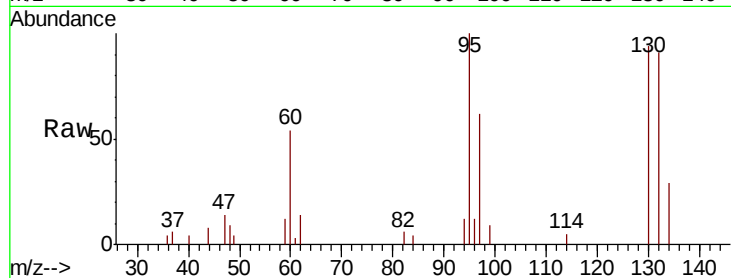
Ion Ratio Lower Upper

95 100

97 61.6 46.3 85.9

132 90.6 60.5 112.3

130 93.9 64.3 119.3

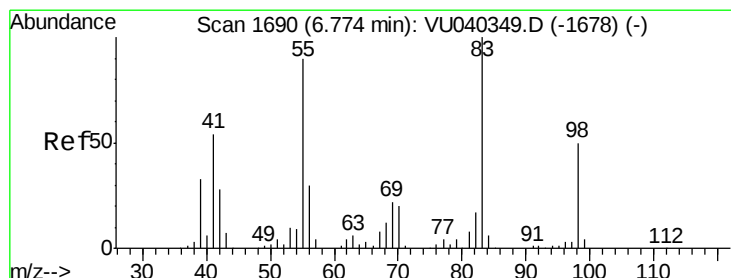
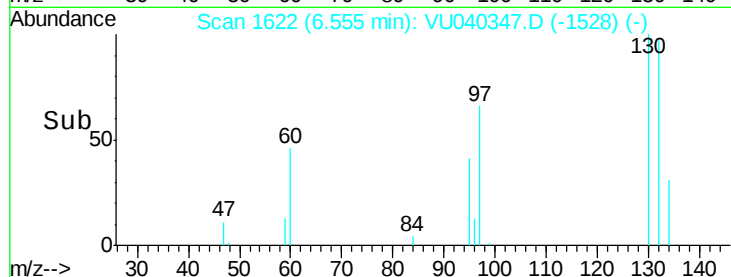
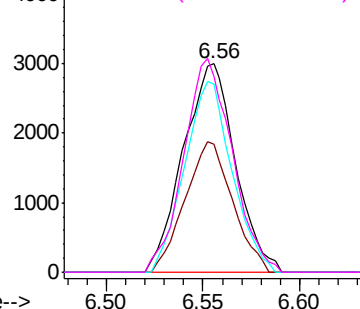


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.394 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

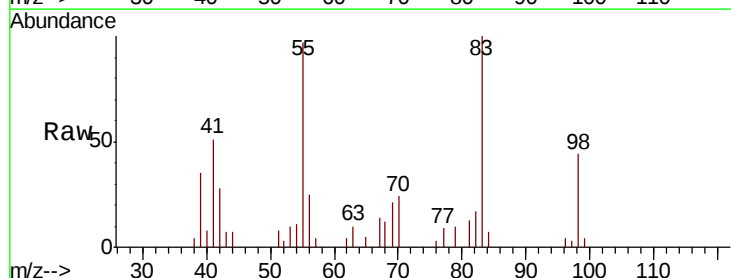
Tgt Ion: 83 Resp: 7338

Ion Ratio Lower Upper

83 100

55 87.9 71.4 107.2

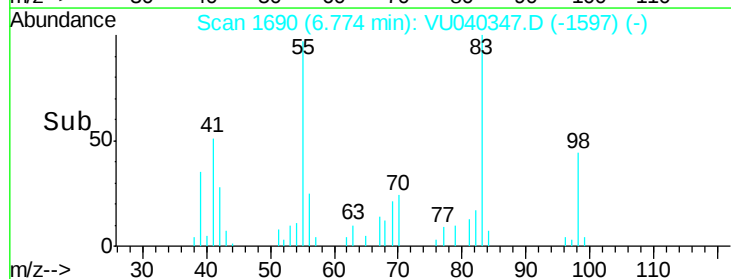
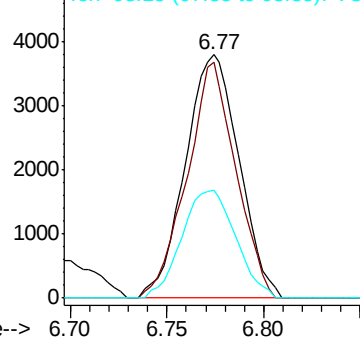
98 44.4 38.5 57.7

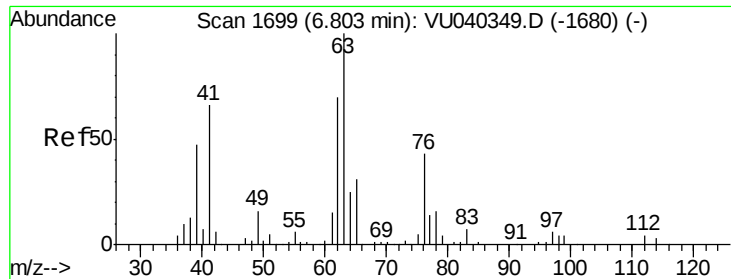


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

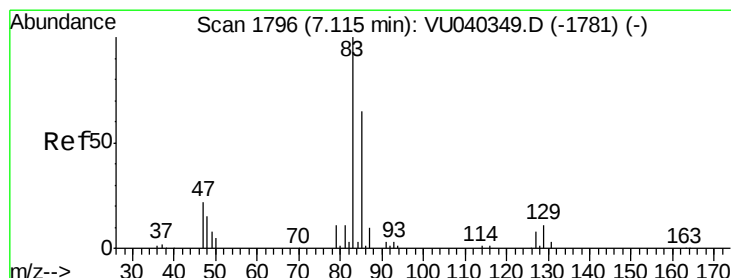
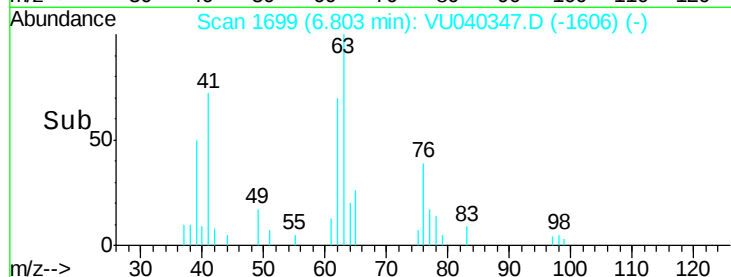
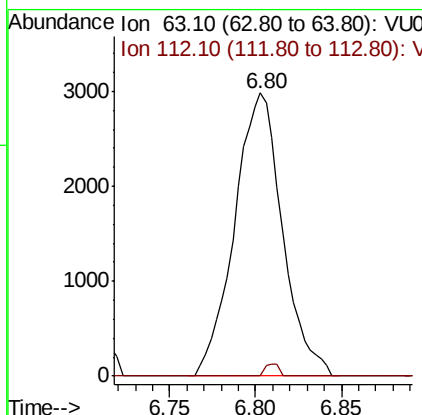
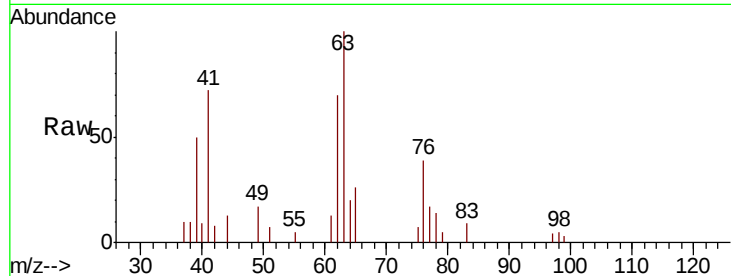




#37
 1,2-Dichloropropane
 Concen: 0.468 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

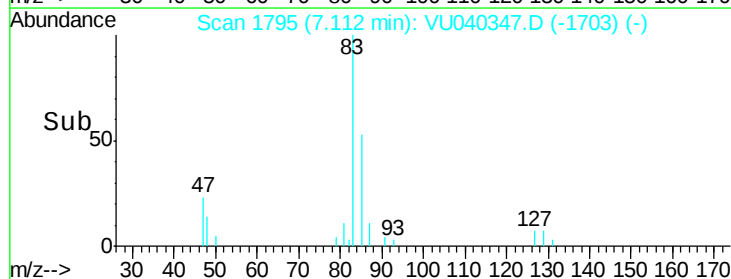
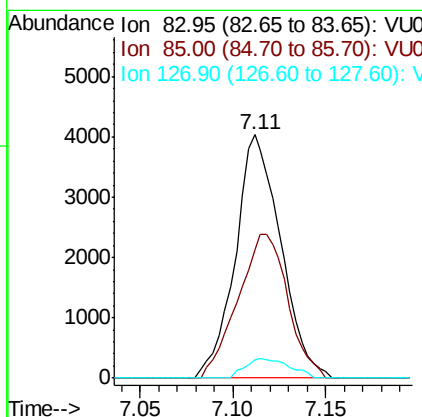
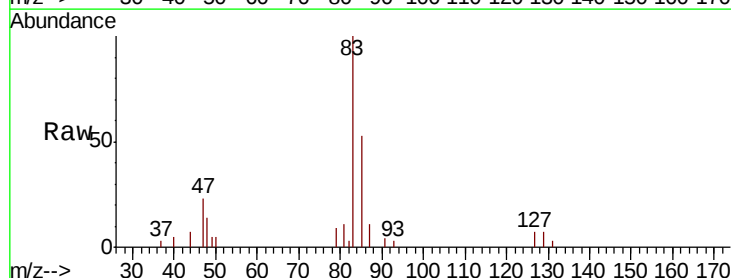
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

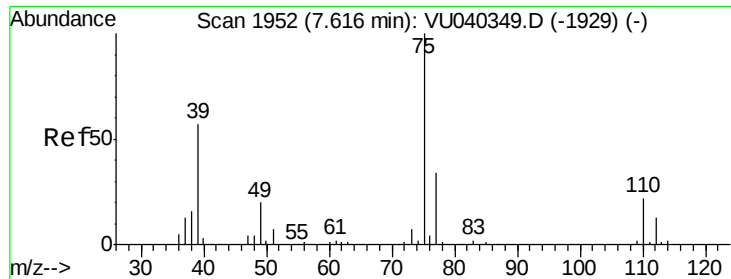
Tot Ion: 63 Resp: 5766
 Ion Ratio Lower Upper
 63 100
 112 1.2 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 0.411 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

Tgt Ion: 83 Resp: 6870
 Ion Ratio Lower Upper
 83 100
 85 53.0 45.1 83.9
 127 7.3 6.6 9.8

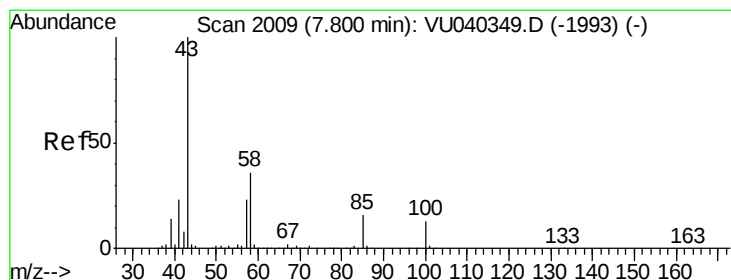
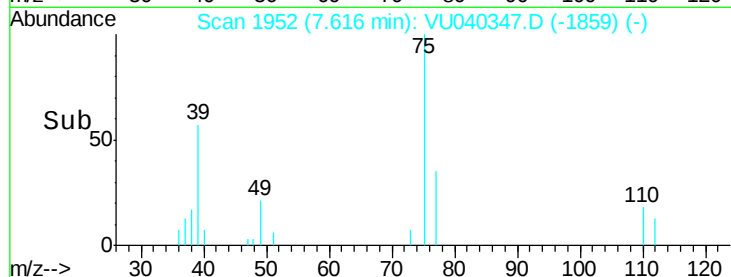
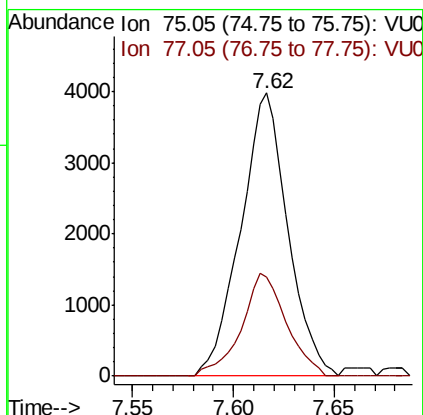
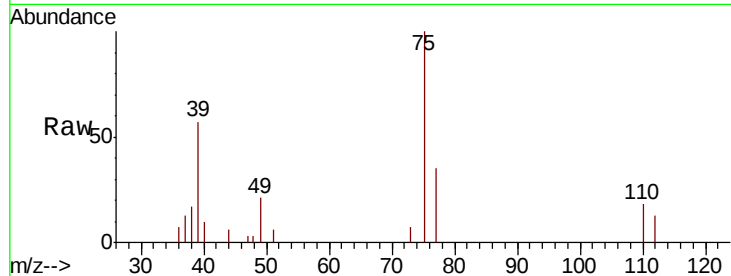




#39
 cis-1,3-Dichloropropene
 Concen: 0.363 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

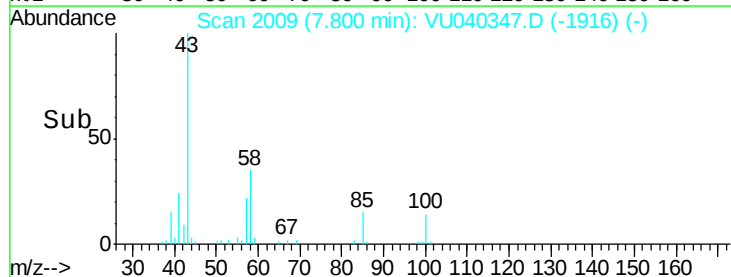
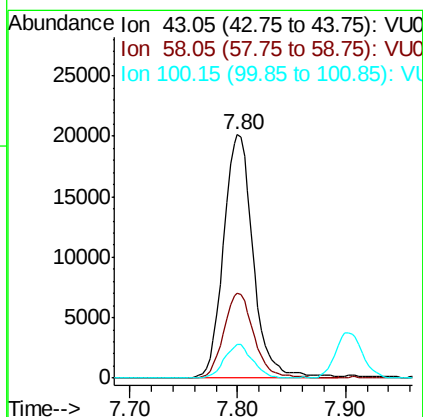
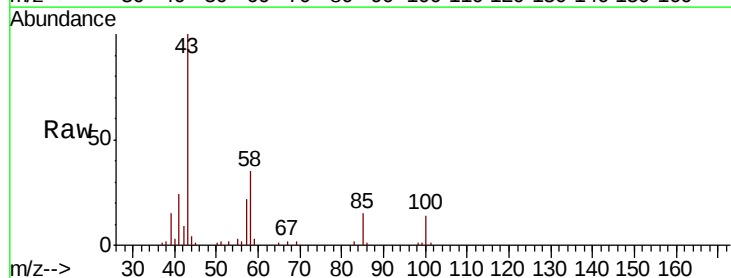
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

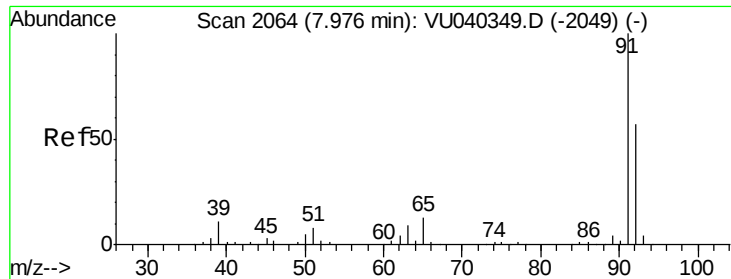
Tot Ion: 75 Resp: 6501
 Ion Ratio Lower Upper
 75 100
 77 35.2 23.5 43.7



#40
 4-Methyl-2-pentanone
 Concen: 3.830 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

Tgt Ion: 43 Resp: 38599
 Ion Ratio Lower Upper
 43 100
 58 35.2 29.2 43.8
 100 13.2 10.3 15.5





#42

Toluene

Concen: 0.402 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

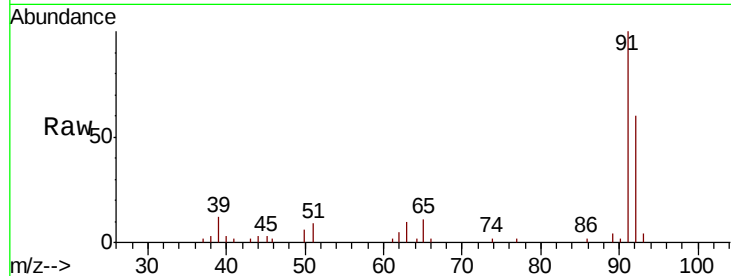
VSTD0.504

Tot Ion: 91 Resp: 18900

Ion Ratio Lower Upper

91 100

92 60.1 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

12000

10000

8000

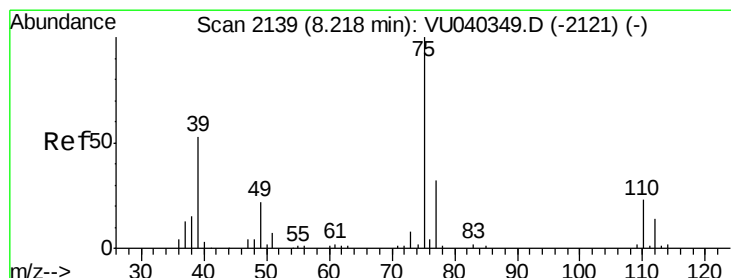
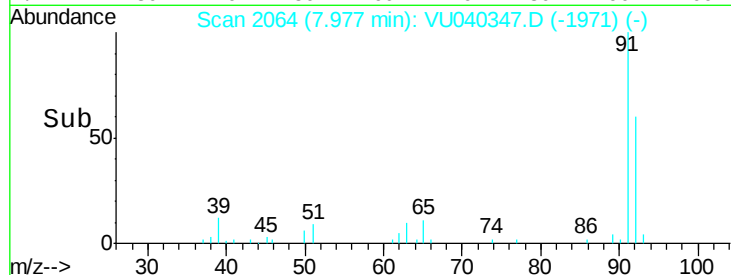
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.362 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040347.D

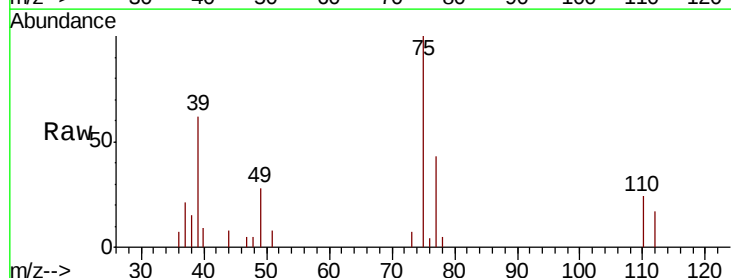
Acq: 29 Sep 2020 09:21

Tgt Ion: 75 Resp: 6023

Ion Ratio Lower Upper

75 100

77 43.5 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

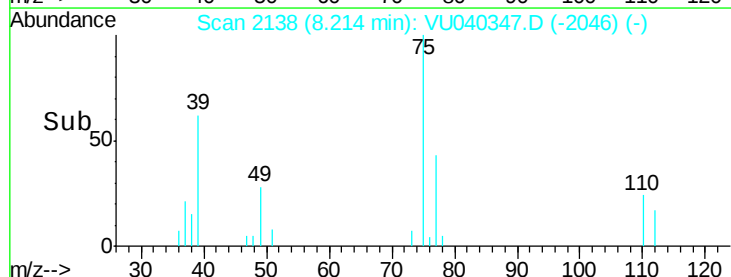
3000

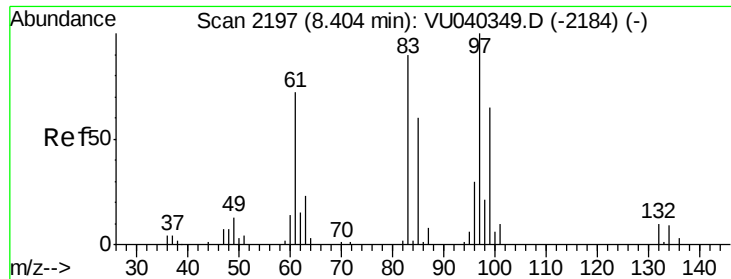
2000

1000

0

Time-->

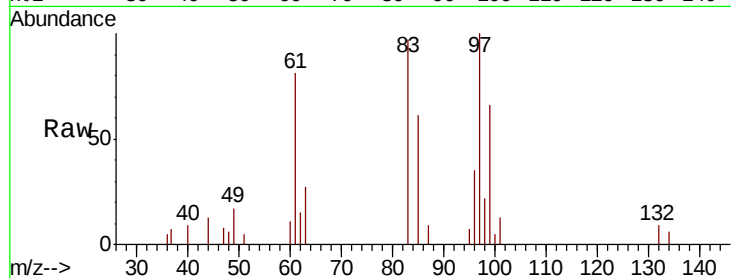




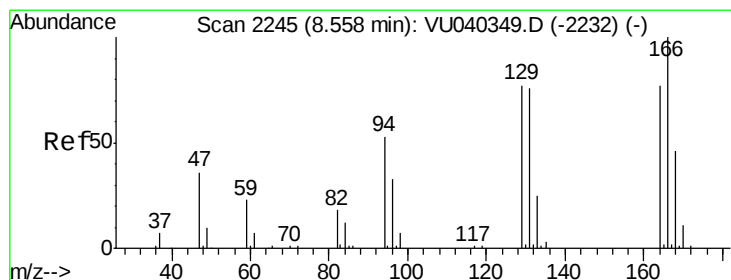
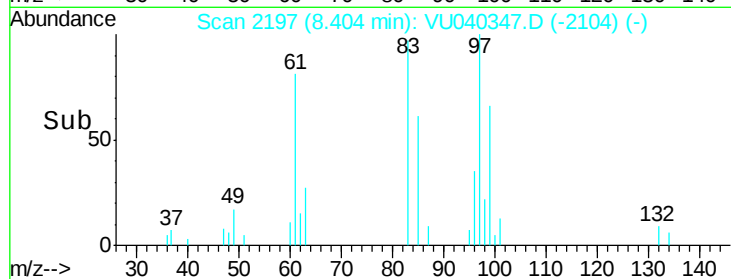
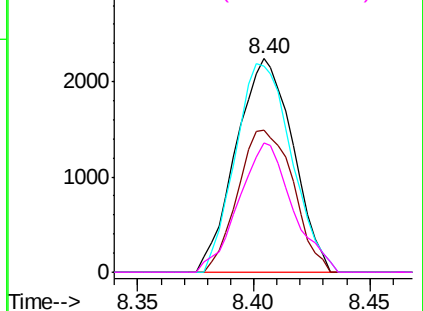
#45
 1,1,2-Trichloroethane
 Concen: 0.428 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tot Ion:	97	Resp:	3822
Ion	Ratio	Lower	Upper
97	100		
99	66.4	45.8	85.0
83	96.8	62.9	116.9
85	60.6	41.7	77.5

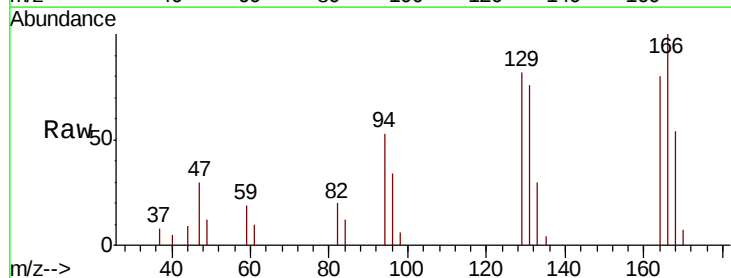


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

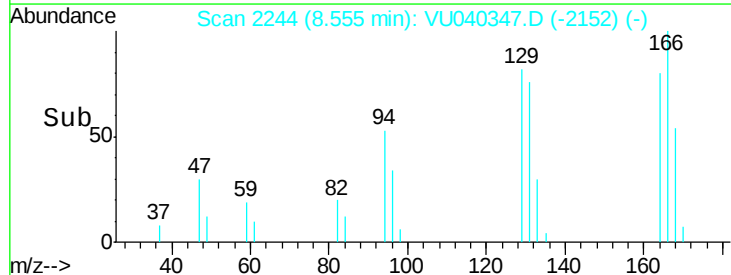
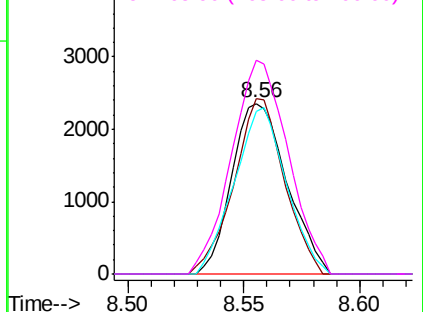


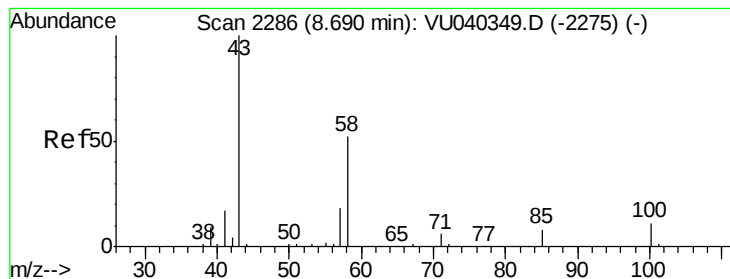
#47
 Tetrachloroethene
 Concen: 0.479 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

Tgt Ion:	164	Resp:	3890
Ion	Ratio	Lower	Upper
164	100		
129	102.5	70.3	130.7
131	95.5	69.2	128.6
166	125.2	91.1	169.3



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: 3.848 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

Tot Ion: 43 Resp: 28183

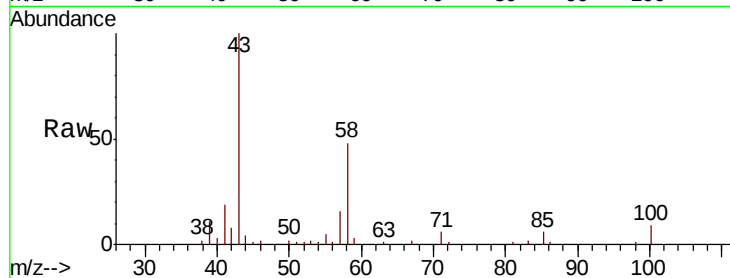
Ion Ratio Lower Upper

43 100

58 49.4 41.0 61.4

57 16.9 14.6 22.0

100 9.0 8.2 12.4

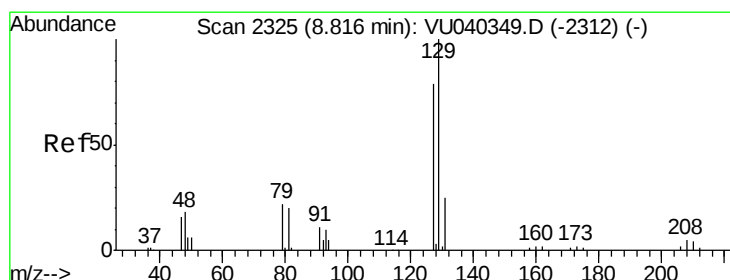
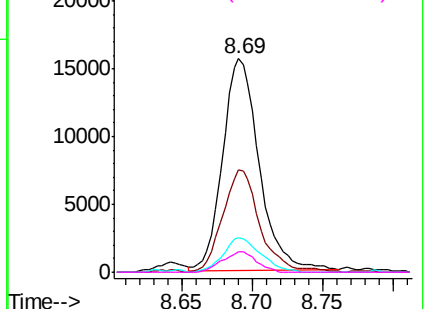
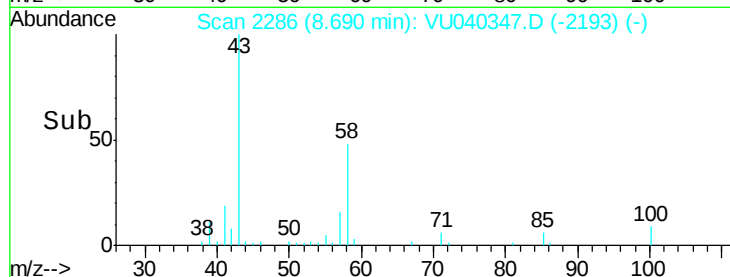


Abundance Ion 43.05 (42.75 to 43.75): VU040347.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040347.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040347.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040347.D (-2193) (-)



#49

Dibromochloromethane

Concen: 0.401 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU040347.D

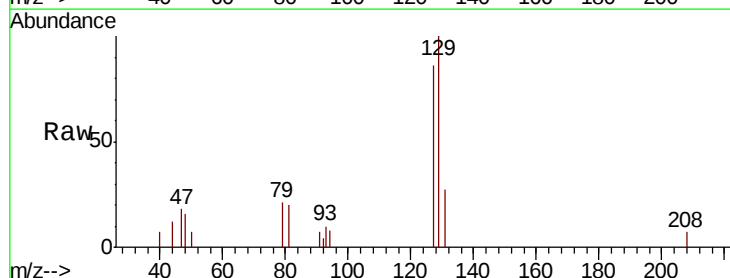
Acq: 29 Sep 2020 09:21

Tgt Ion: 129 Resp: 4303

Ion Ratio Lower Upper

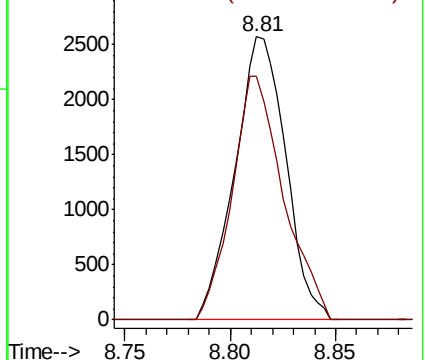
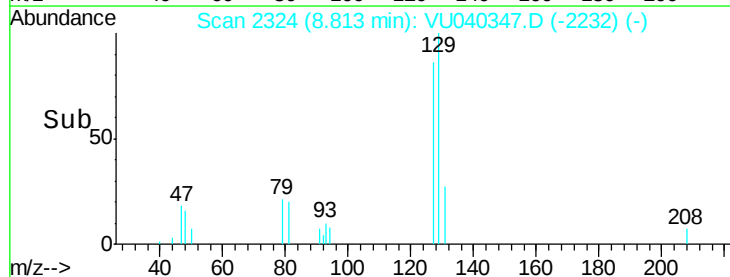
129 100

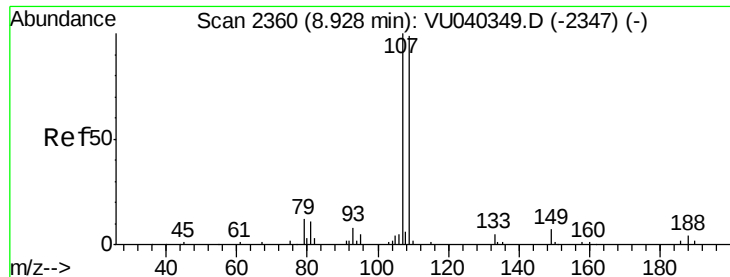
127 86.0 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040347.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU040347.D (-2232) (-)

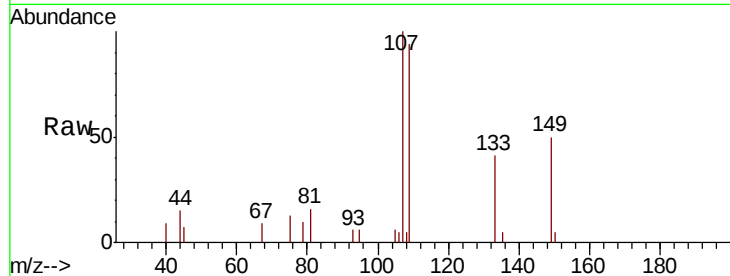




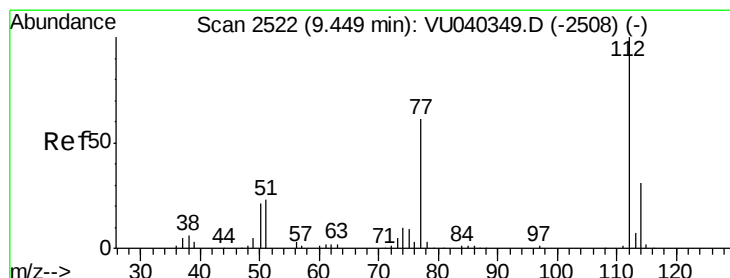
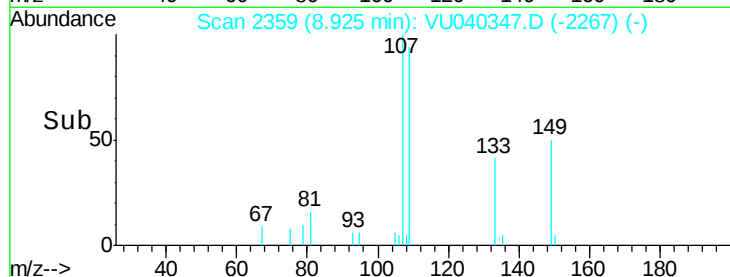
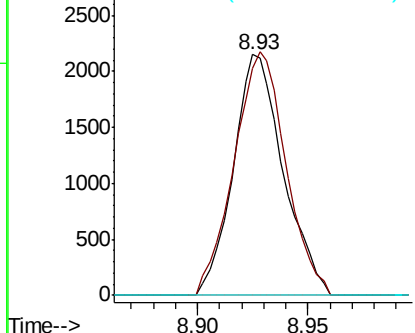
#50
 1,2-Dibromoethane
 Concen: 0.392 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tot Ion:107 Resp: 3395
 Ion Ratio Lower Upper
 107 100
 109 94.4 69.4 128.8
 188 0.0 3.3 4.9#

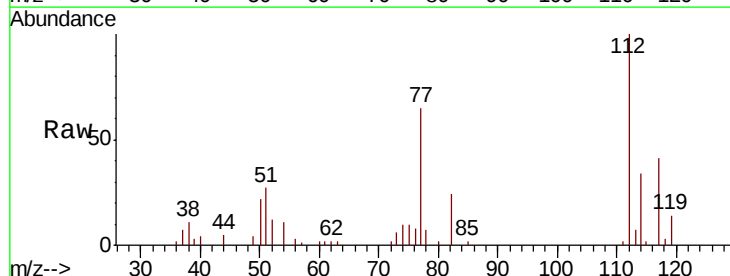


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

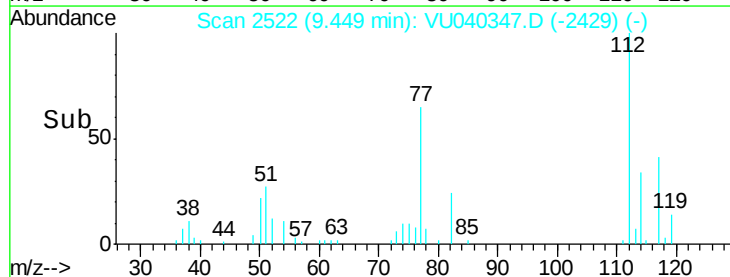
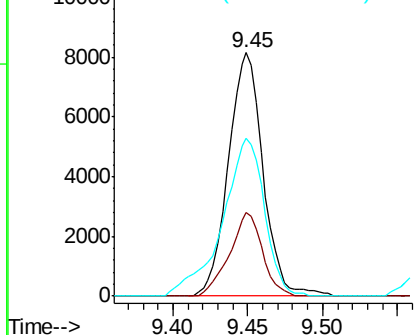


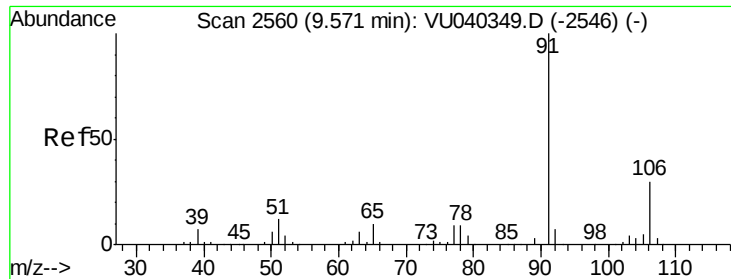
#51
 Chlorobenzene
 Concen: 0.446 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

Tgt Ion:112 Resp: 13141
 Ion Ratio Lower Upper
 112 100
 114 34.2 22.0 40.8
 77 64.7 49.5 74.3



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: 0.370 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

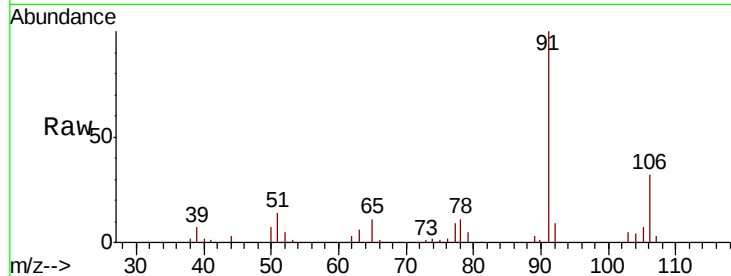
VSTD0.504

Tot Ion: 91 Resp: 19602

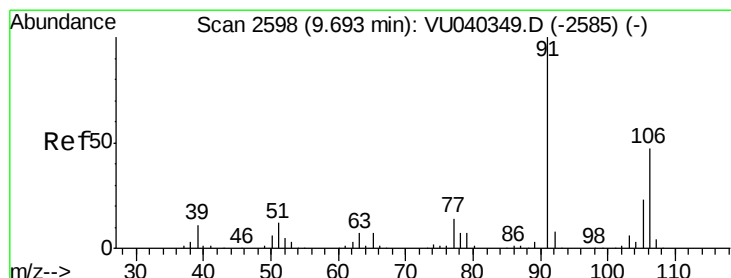
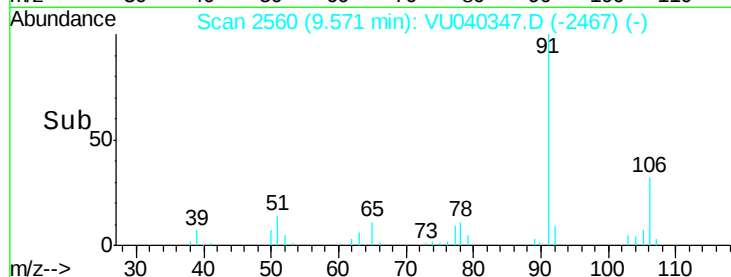
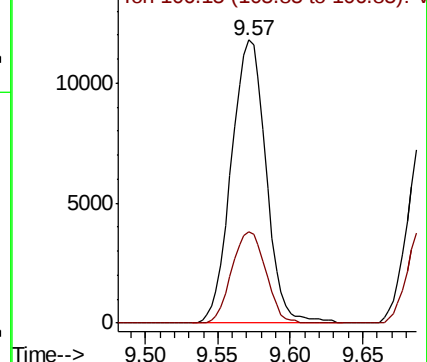
Ion Ratio Lower Upper

91 100

106 32.3 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040347.D (-2467) (-)



#53

m,p-Xylene

Concen: 0.378 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040347.D

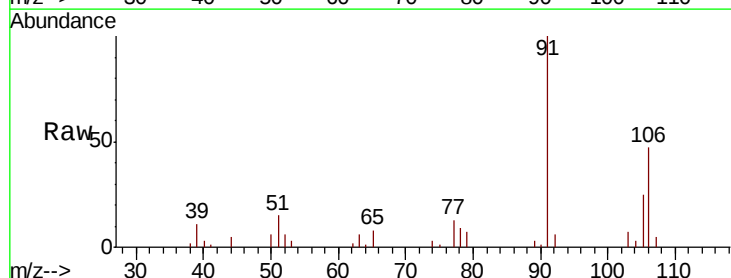
Acq: 29 Sep 2020 09:21

Tgt Ion: 106 Resp: 7182

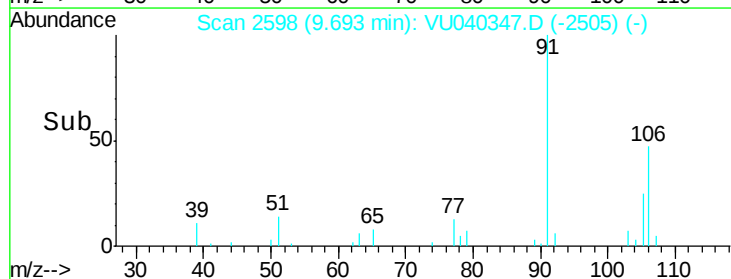
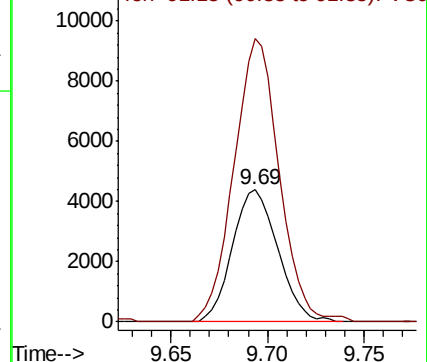
Ion Ratio Lower Upper

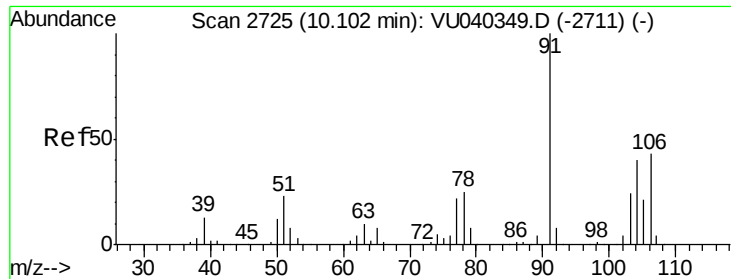
106 100

91 214.6 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040347.D (-2505) (-)

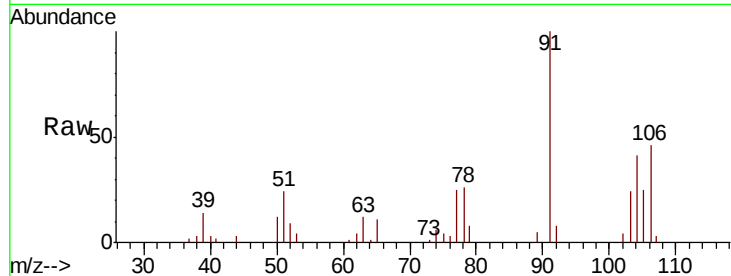




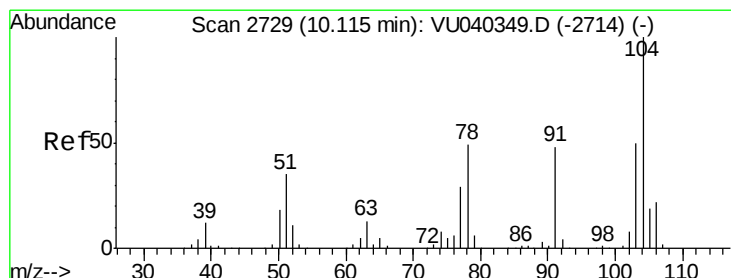
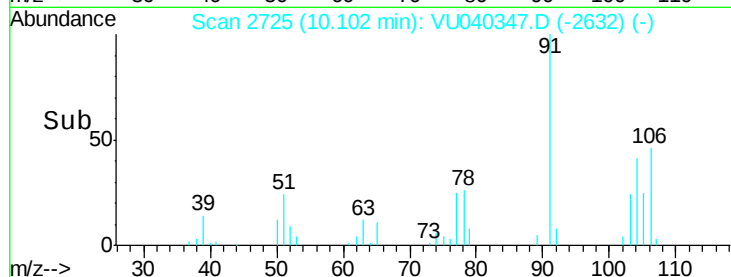
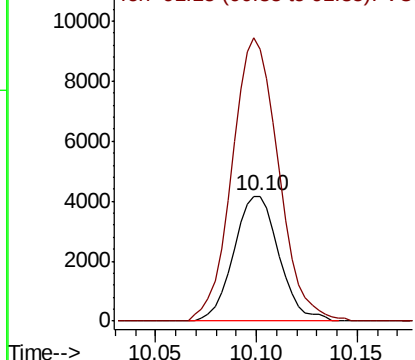
#54
o-Xylene
Concen: 0.362 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040347.D
Acq: 29 Sep 2020 09:21

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

Tot Ion:106 Resp: 6541
Ion Ratio Lower Upper
106 100
91 217.9 160.9 298.9

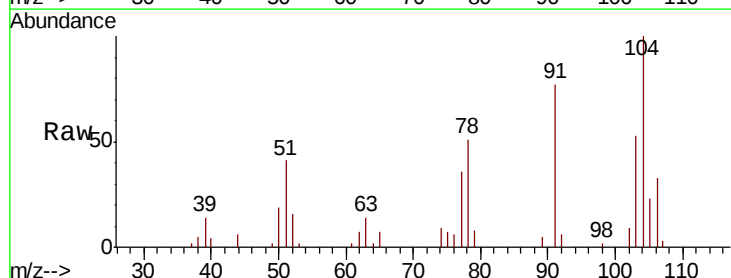


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

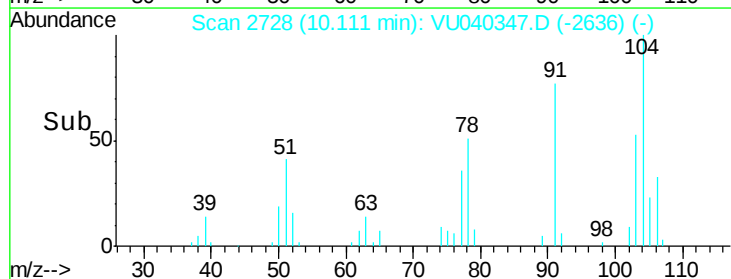
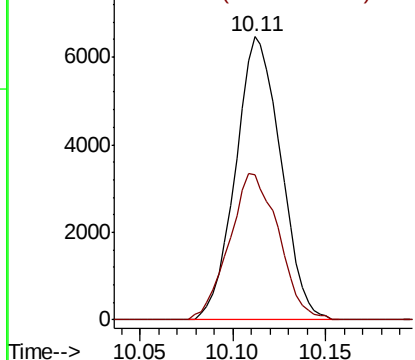


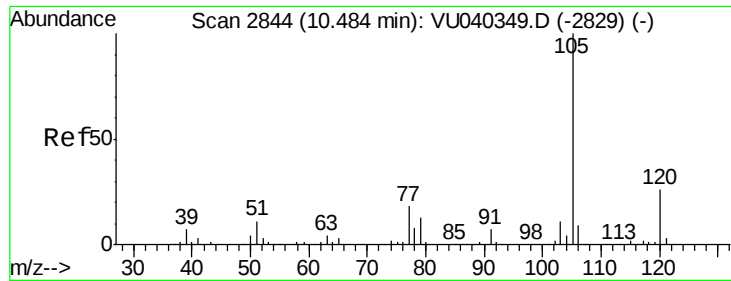
#55
Styrene
Concen: 0.346 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040347.D
Acq: 29 Sep 2020 09:21

Tgt Ion:104 Resp: 10929
Ion Ratio Lower Upper
104 100
78 51.3 34.4 63.8



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





#56

Isopropylbenzene

Concen: 0.349 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

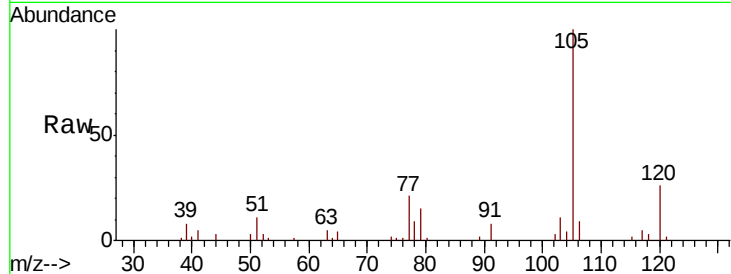
Tot Ion:105 Resp: 17138

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

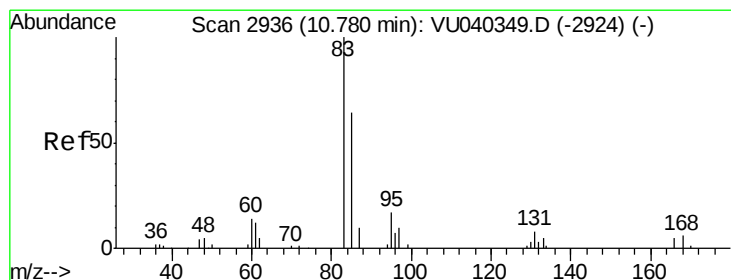
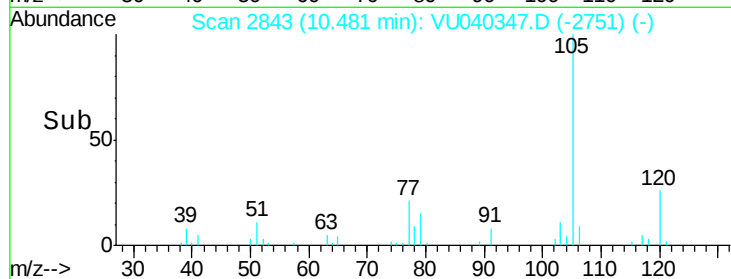
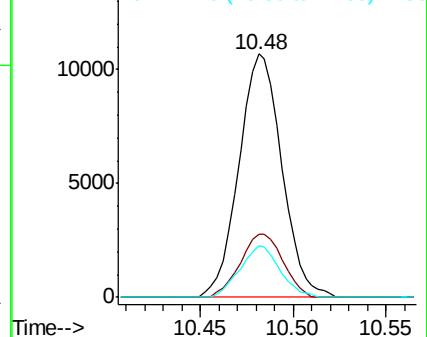
77 19.6 14.3 21.5



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: 0.456 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

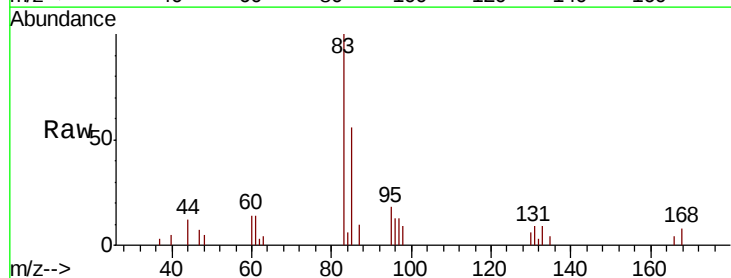
Tgt Ion: 83 Resp: 5315

Ion Ratio Lower Upper

83 100

85 56.2 45.1 83.9

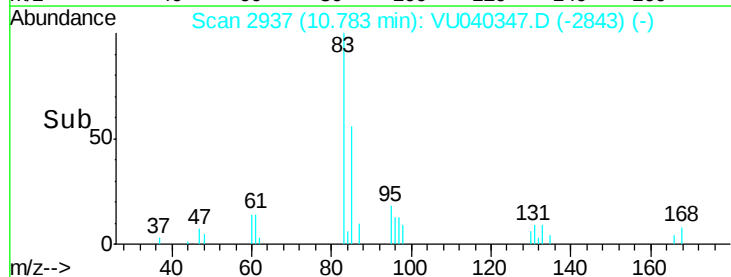
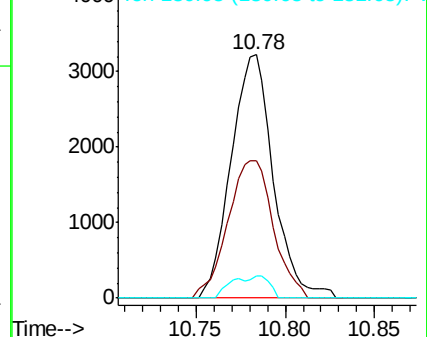
131 9.0 6.6 10.0

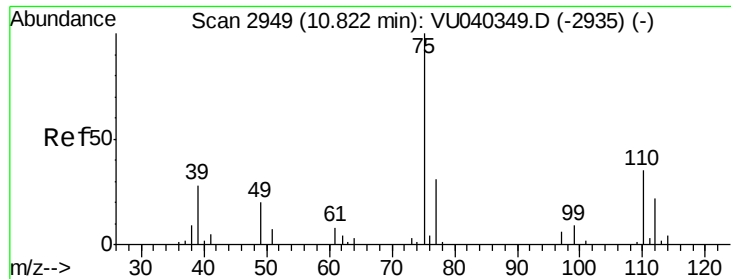


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

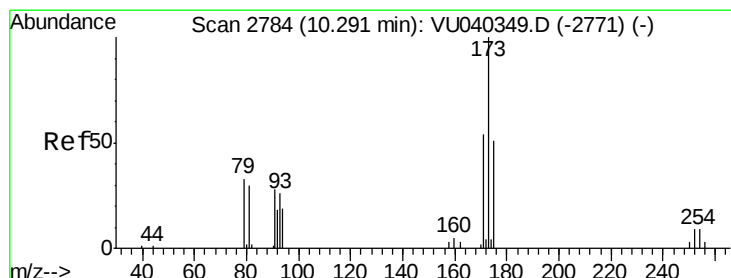
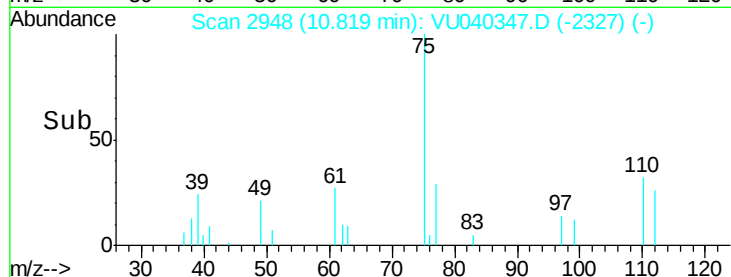
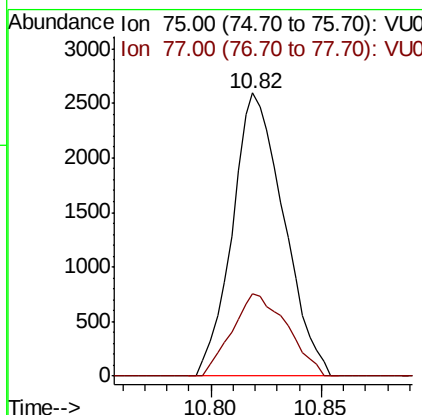
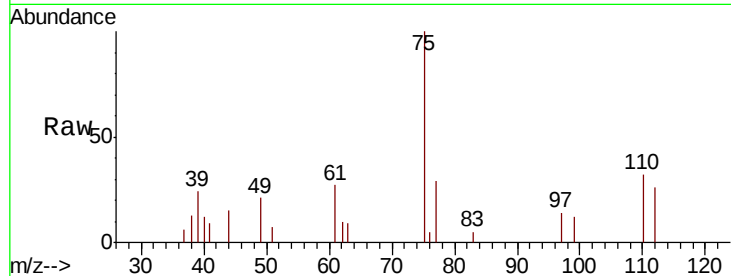




#59
 1,2,3-Trichloropropane
 Concen: 0.461 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

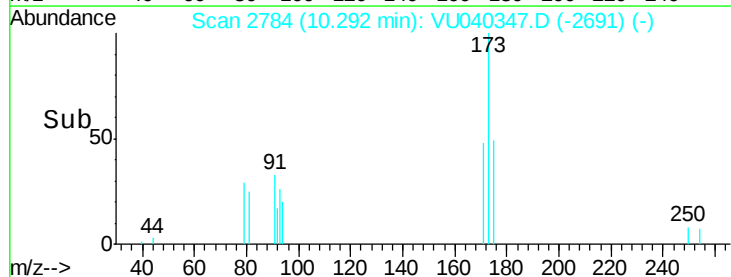
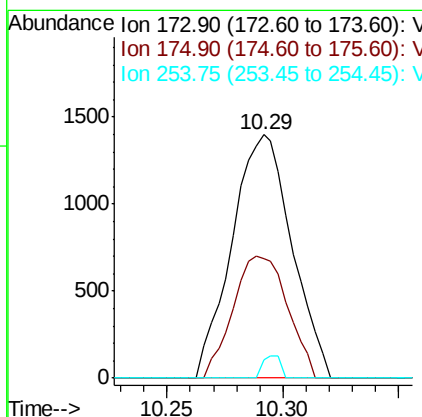
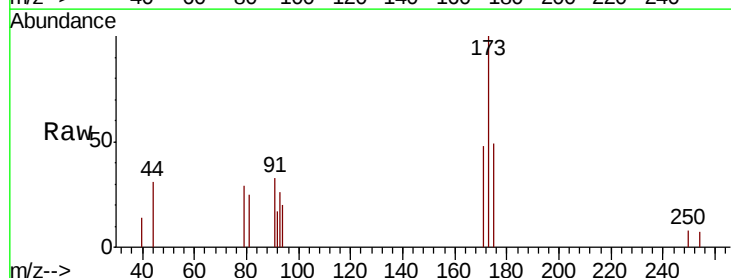
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

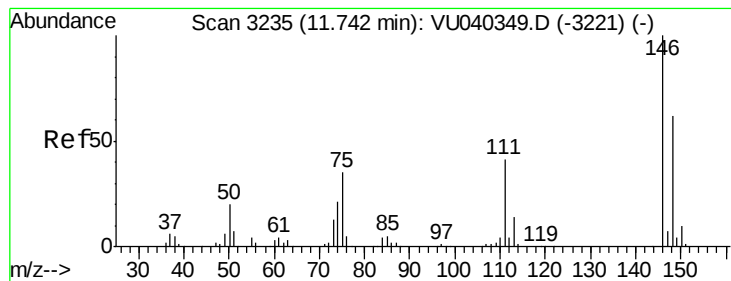
Tot Ion: 75 Resp: 4195
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.7 38.5



#61
 Bromoform
 Concen: 0.445 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

Tgt Ion:173 Resp: 2505
 Ion Ratio Lower Upper
 173 100
 175 45.8 39.6 59.4
 254 2.7 7.0 10.4#





#62

1,3-Dichlorobenzene

Concen: 0.395 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

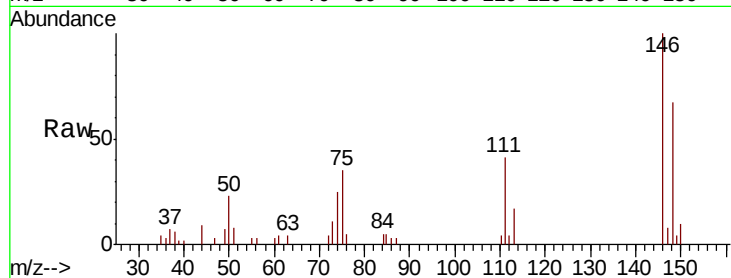
Tot Ion:146 Resp: 8944

Ion Ratio Lower Upper

146 100

111 40.9 28.6 53.0

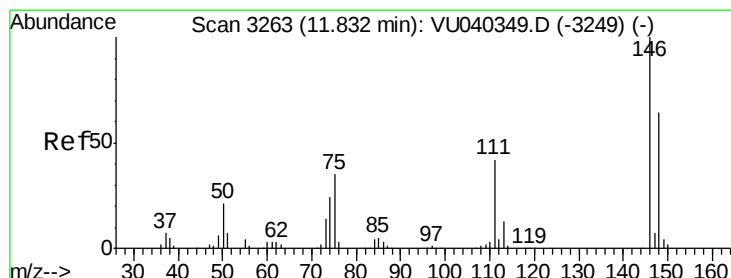
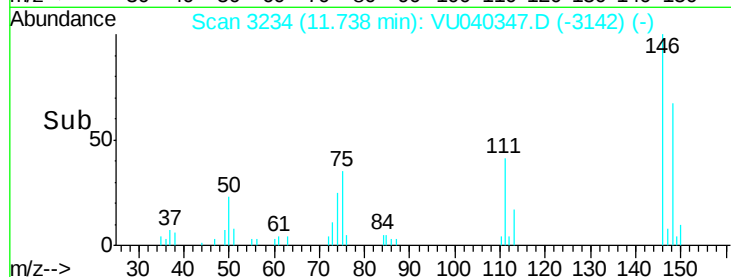
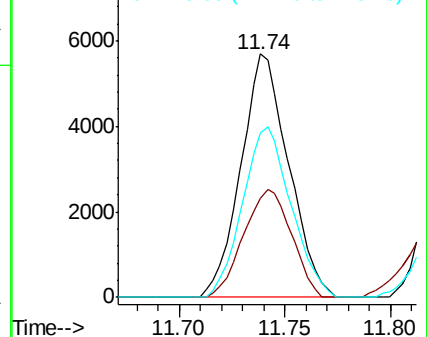
148 67.4 43.4 80.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.440 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

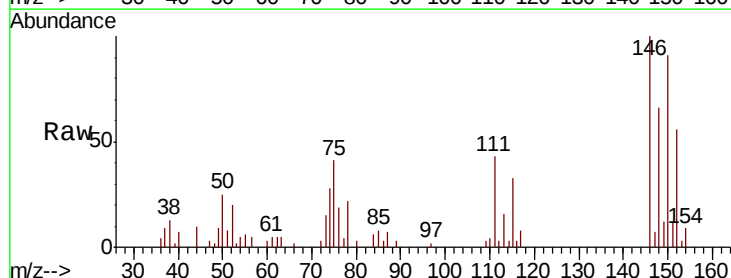
Tgt Ion:146 Resp: 10055

Ion Ratio Lower Upper

146 100

111 42.8 29.2 54.2

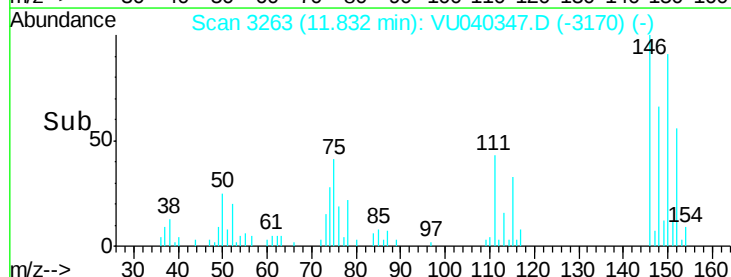
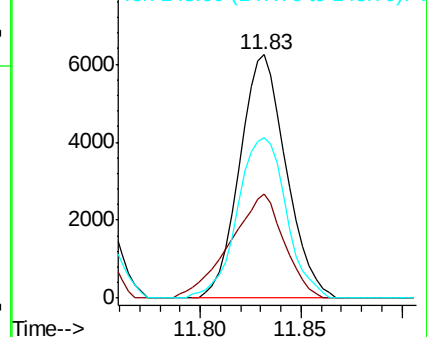
148 65.7 44.4 82.4

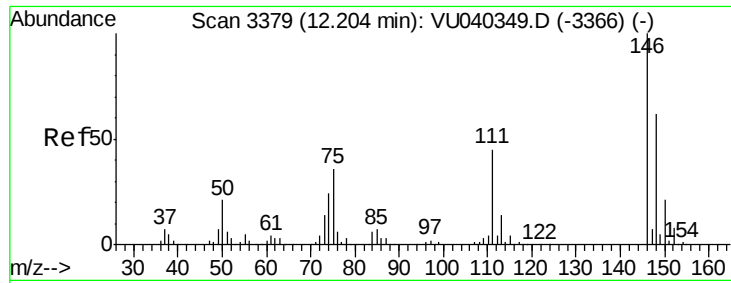


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.412 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

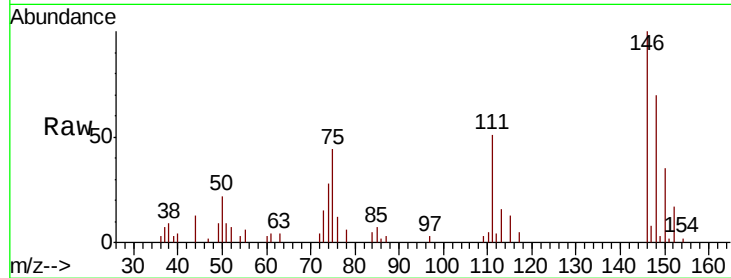
Tot Ion:146 Resp: 9018

Ion Ratio Lower Upper

146 100

111 50.8 35.6 53.4

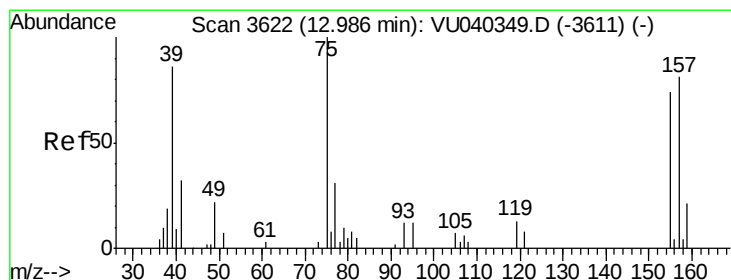
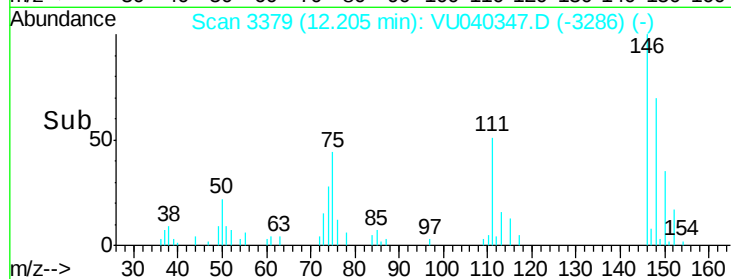
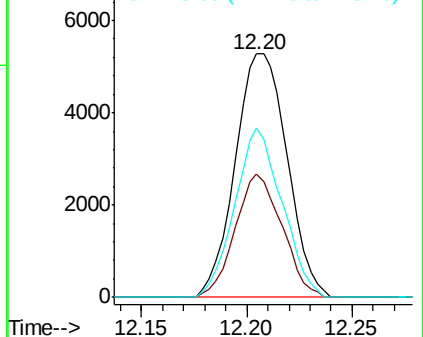
148 69.5 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.422 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

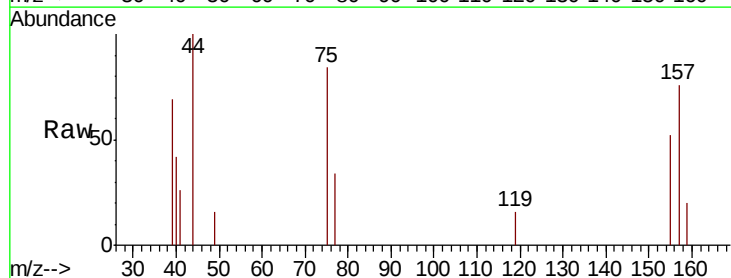
Tgt Ion: 75 Resp: 943

Ion Ratio Lower Upper

75 100

155 61.4 59.4 89.2

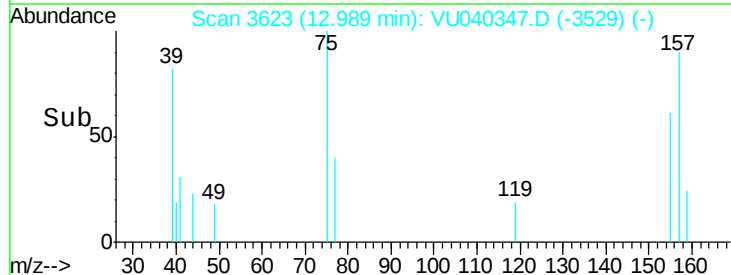
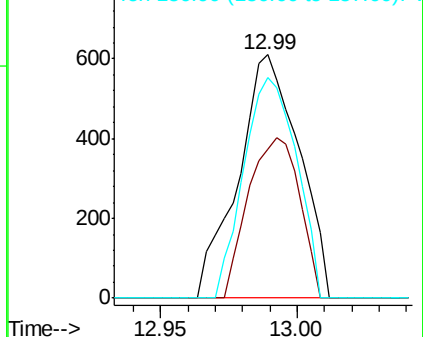
157 90.3 65.0 97.4

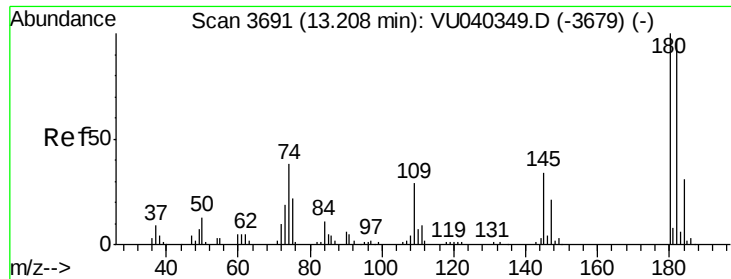


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

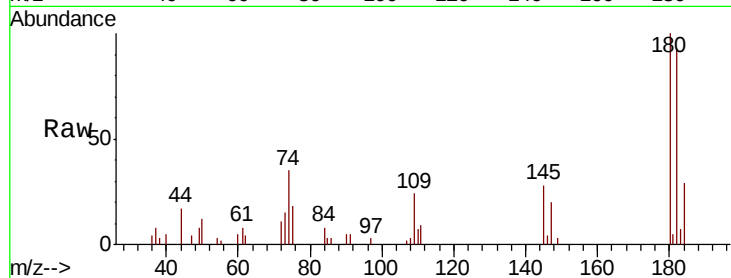




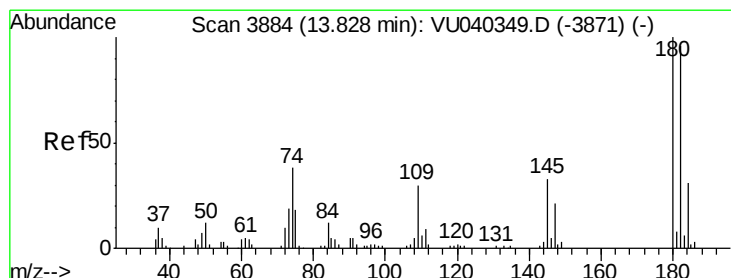
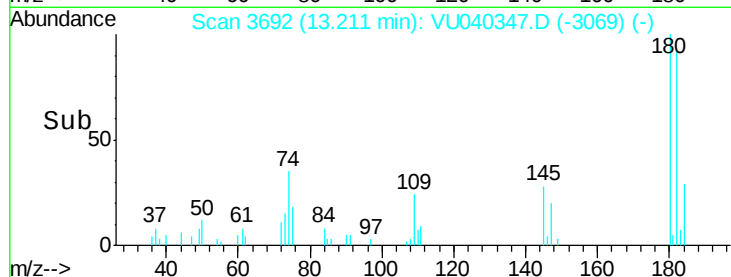
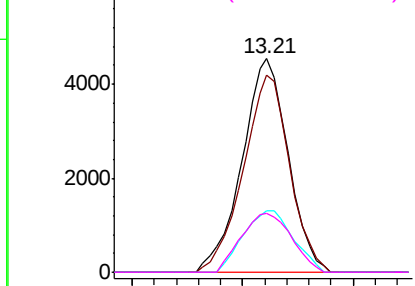
#67
 1,3,5-Trichlorobenzene
 Concen: 0.415 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tot Ion:180 Resp: 6579
 Ion Ratio Lower Upper
 180 100
 182 92.6 76.5 114.7
 184 31.2 24.6 37.0
 145 30.1 25.8 38.8

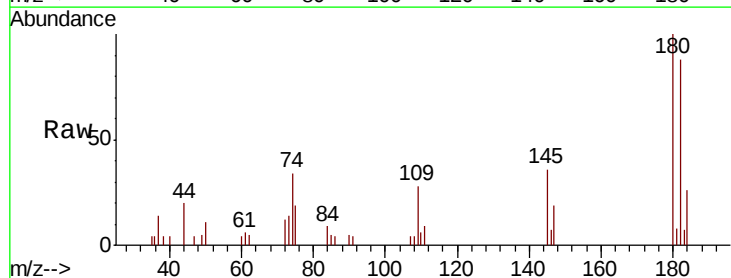


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

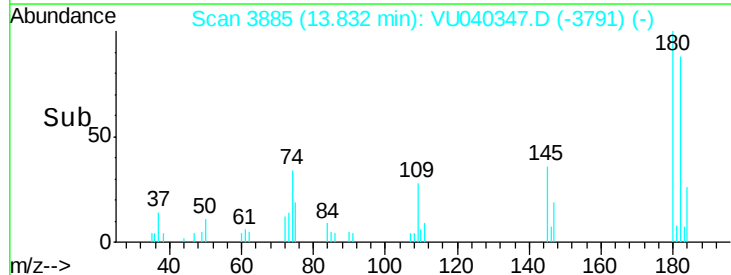
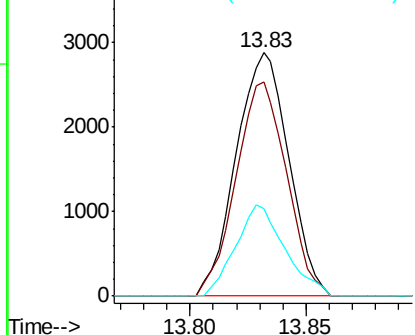


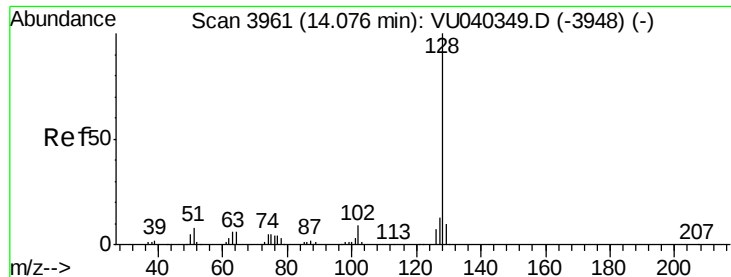
#68
 1,2,4-trichlorobenzene
 Concen: 0.337 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040347.D
 Acq: 29 Sep 2020 09:21

Tgt Ion:180 Resp: 4538
 Ion Ratio Lower Upper
 180 100
 182 84.6 76.6 115.0
 145 35.1 26.3 39.5



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: 0.221 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

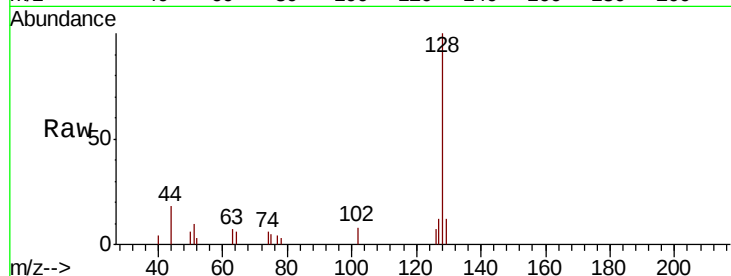
Tot Ion:128 Resp: 5941

Ion Ratio Lower Upper

128 100

129 11.1 8.2 12.4

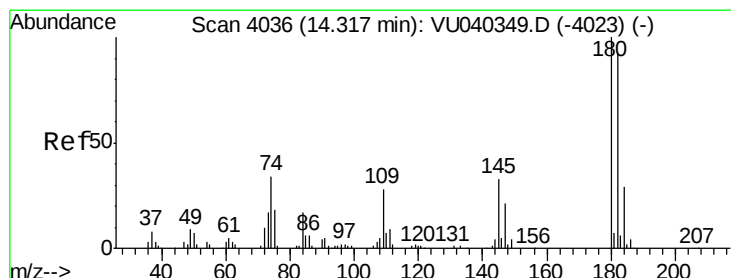
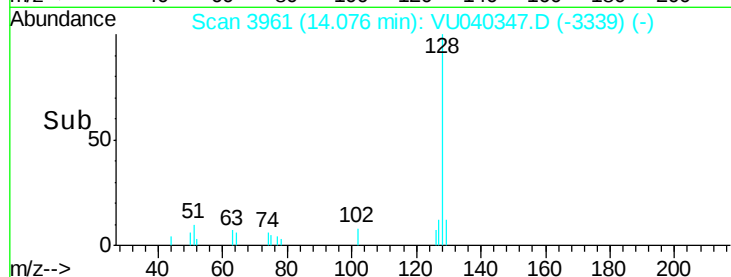
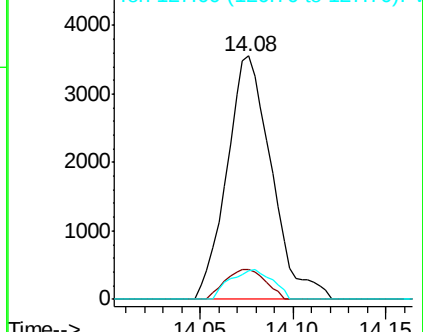
127 11.7 10.2 15.4



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: 0.329 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040347.D

Acq: 29 Sep 2020 09:21

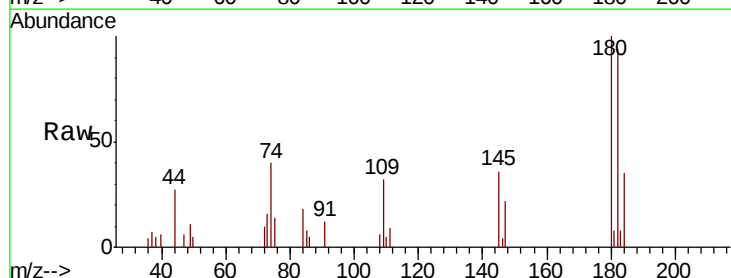
Tgt Ion:180 Resp: 4078

Ion Ratio Lower Upper

180 100

182 94.2 76.6 115.0

145 34.6 27.8 41.6



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

