

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040348.D
 Acq On : 29 Sep 2020 09:44
 Operator : SY/MD
 Sample : VSTD00105
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Quant Time: Sep 30 01:12:54 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	130669	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132391	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65509	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	5910	0.85	ug/L	0.00
7) Chloroethane-d5	1.92	69	5548	0.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	14793	0.84	ug/L	0.00
20) 2-Butanone-d5	4.66	46	29153	10.13	ug/L	0.00
24) Chloroform-d	5.09	84	14660	0.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	9098	0.91	ug/L	0.00
32) Benzene-d6	5.74	84	24498	0.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	9243	0.92	ug/L	0.00
41) Toluene-d8	7.91	98	20550	0.76	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	3658	0.81	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	19265	8.71	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	9001	1.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	9248	0.89	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	12506	0.973	ug/L 99
3) Chloromethane	1.53	50	12991	1.046	ug/L 99
5) Vinyl chloride	1.61	62	12205	0.975	ug/L 99
6) Bromomethane	1.87	94	5877	0.927	ug/L 99
8) Chloroethane	1.94	64	7398	0.984	ug/L 96
9) Trichlorofluoromethane	2.15	101	16777	0.950	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	10322	0.899	ug/L 94
12) 1,1-Dichloroethene	2.59	96	9246	0.927	ug/L 97
13) Acetone	2.66	43	26211	10.218	ug/L 95
14) Carbon disulfide	2.81	76	29833	0.932	ug/L 99
15) Methyl Acetate	2.97	43	6568	0.999	ug/L 96
16) Methylene chloride	3.06	84	11936	0.913	ug/L 95
17) Methyl tert-butyl Ether	3.38	73	25598	0.867	ug/L 96
18) trans-1,2-Dichloroethene	3.37	96	10096	0.940	ug/L 96
19) 1,1-Dichloroethane	3.89	63	20143	0.916	ug/L 99
21) 2-Butanone	4.73	43	40574	9.569	ug/L 97
22) cis-1,2-Dichloroethene	4.68	96	10425	0.898	ug/L 95
23) Bromochloromethane	4.99	128	5062	0.996	ug/L 93
25) Chloroform	5.11	83	20567	0.913	ug/L 98
27) 1,2-Dichloroethane	5.81	62	14668	0.904	ug/L # 94
29) 1,1,1-Trichloroethane	5.33	97	16360	0.812	ug/L 99
30) Cyclohexane	5.40	56	16331	0.828	ug/L 96
31) Carbon tetrachloride	5.54	117	14193	0.820	ug/L 100
33) Benzene	5.79	78	40713	0.873	ug/L 100
34) Trichloroethene	6.56	95	11089	0.893	ug/L 97
35) Methylcyclohexane	6.77	83	13921	0.733	ug/L 93
37) 1,2-Dichloropropane	6.80	63	11761	0.937	ug/L 98
38) Bromodichloromethane	7.12	83	14012	0.822	ug/L 98
39) cis-1,3-Dichloropropene	7.62	75	14359	0.787	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	82983	8.077	ug/L 99

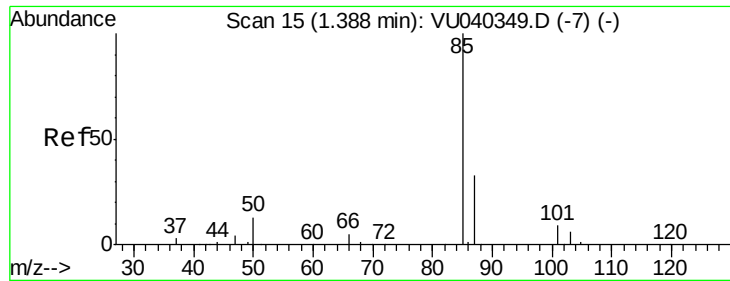
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	41358	0.862	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	13498	0.797	ug/L	93
45) 1,1,2-Trichloroethane	8.41	97	8238	0.905	ug/L	95
47) Tetrachloroethene	8.56	164	7683	0.927	ug/L	95
48) 2-Hexanone	8.69	43	62435	8.361	ug/L	98
49) Dibromochloromethane	8.82	129	9342	0.854	ug/L	91
50) 1,2-Dibromoethane	8.93	107	8095	0.916	ug/L	79
51) Chlorobenzene	9.45	112	27196	0.906	ug/L	96
52) Ethylbenzene	9.57	91	43019	0.797	ug/L	97
53) m,p-Xylene	9.70	106	15526	0.801	ug/L	100
54) o-Xylene	10.10	106	13833	0.751	ug/L	96
55) Styrene	10.11	104	24362	0.757	ug/L	99
56) Isopropylbenzene	10.48	105	38860	0.776	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	11467	0.964	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	8582	0.925	ug/L	98
61) Bromoform	10.29	173	5193	0.888	ug/L #	94
62) 1,3-Dichlorobenzene	11.74	146	20516	0.872	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	21977	0.926	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	20402	0.898	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.99	75	1696	0.731	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	14431	0.876	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	10262	0.734	ug/L	95
69) Naphthalene	14.08	128	13990	0.500	ug/L	97
70) 1,2,3-Trichlorobenzene	14.32	180	9314	0.723	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.973 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

Instrument :

MSVOA_U

ClientSampleId :

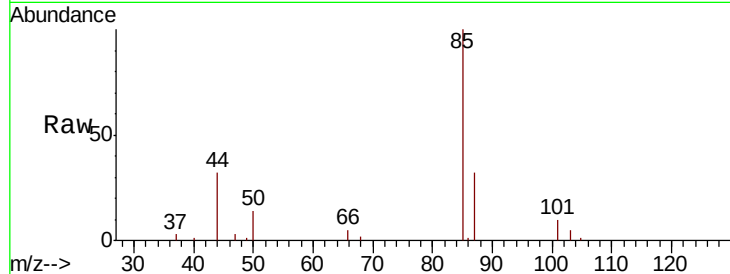
VSTD00105

Tot Ion: 85 Resp: 12506

Ion Ratio Lower Upper

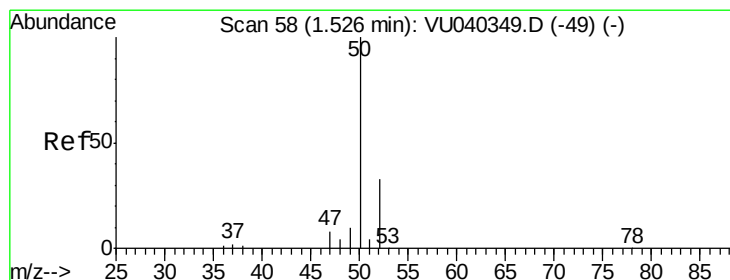
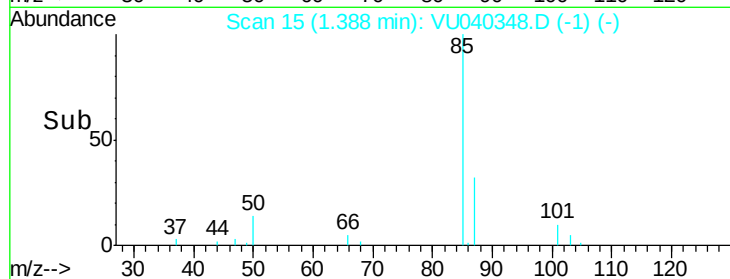
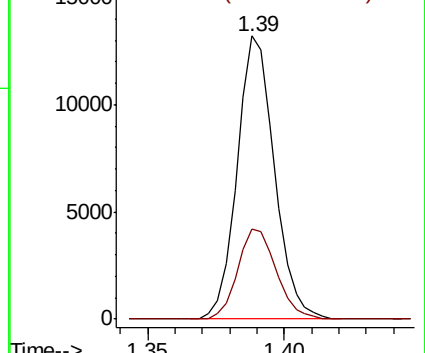
85 100

87 32.8 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: 1.046 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040348.D

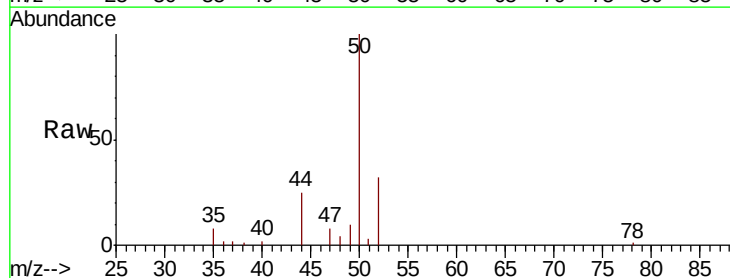
Acq: 29 Sep 2020 09:44

Tgt Ion: 50 Resp: 12991

Ion Ratio Lower Upper

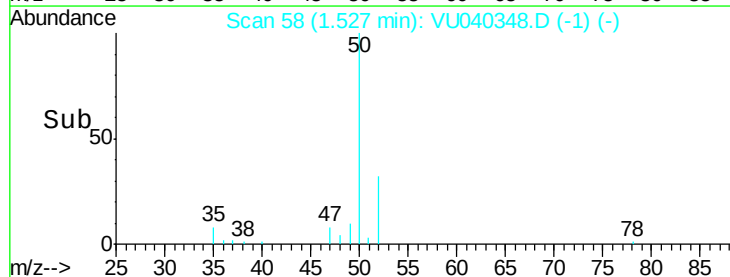
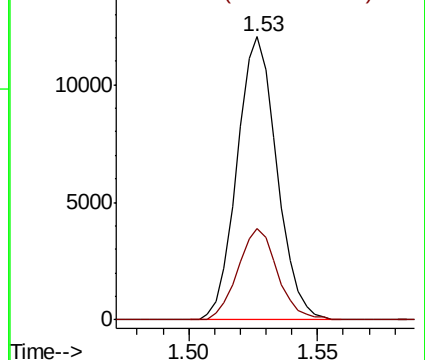
50 100

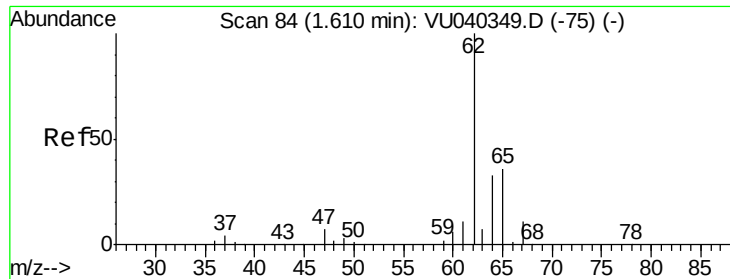
52 32.4 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.975 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

Instrument :

MSVOA_U

ClientSampleId :

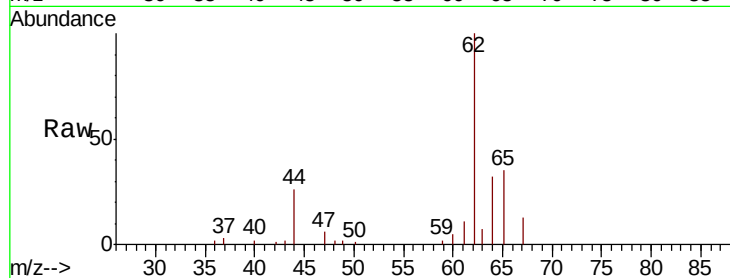
VSTD00105

Tot Ion: 62 Resp: 12205

Ion Ratio Lower Upper

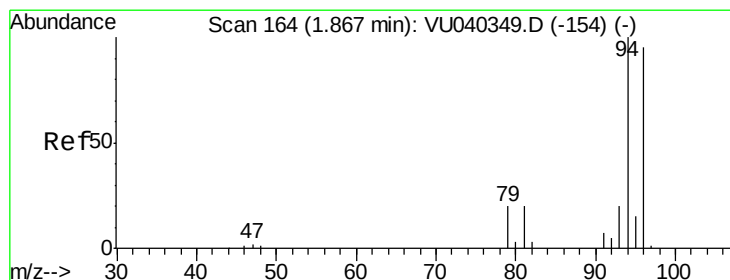
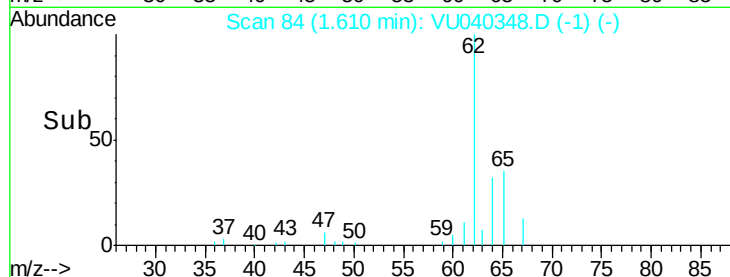
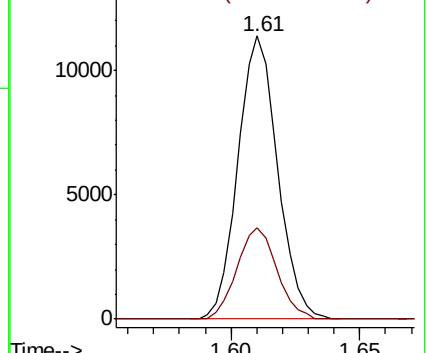
62 100

64 32.3 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: 0.927 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040348.D

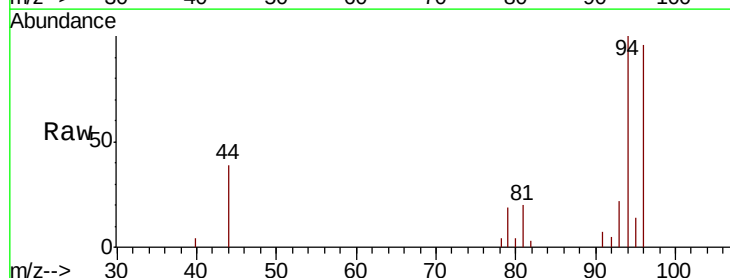
Acq: 29 Sep 2020 09:44

Tgt Ion: 94 Resp: 5877

Ion Ratio Lower Upper

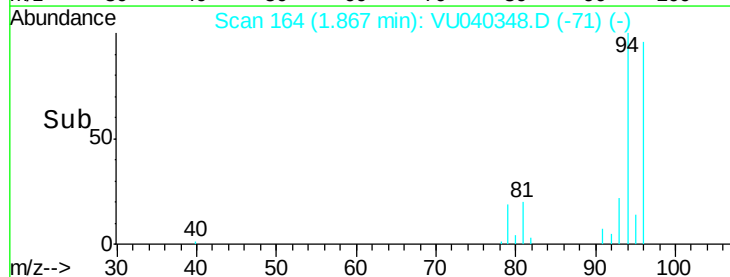
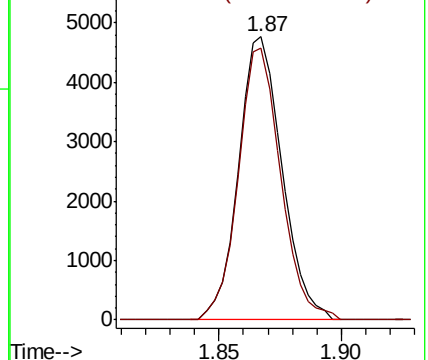
94 100

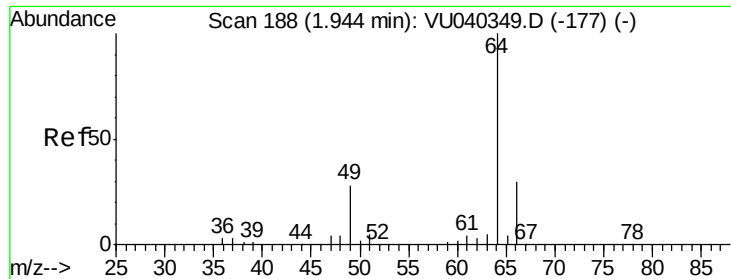
96 96.0 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.984 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

Instrument :

MSVOA_U

ClientSampleId :

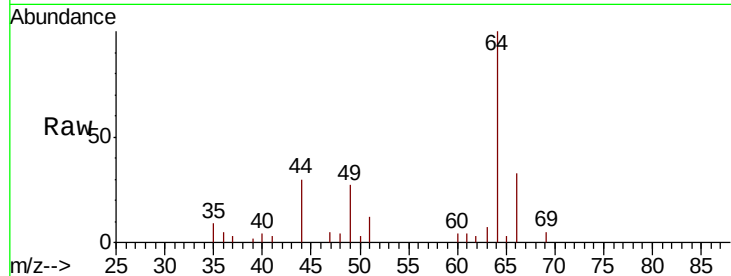
VSTD00105

Tot Ion: 64 Resp: 7398

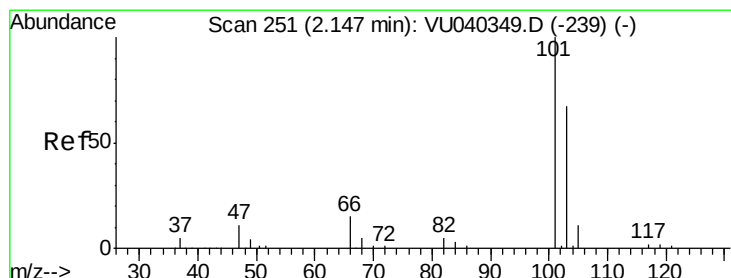
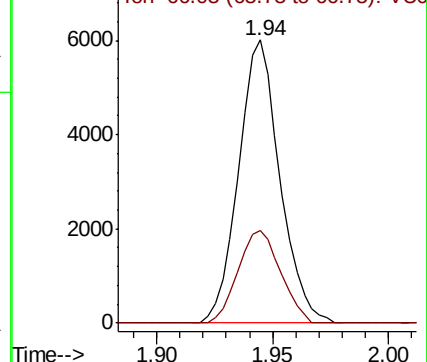
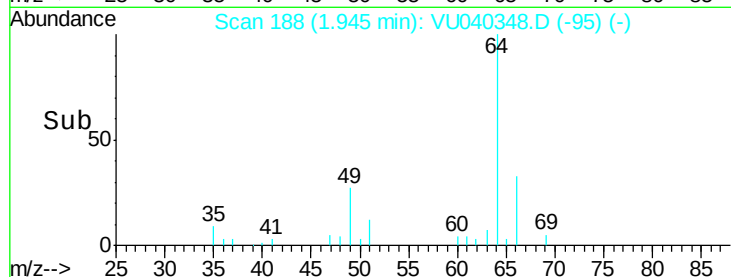
Ion Ratio Lower Upper

64 100

66 32.6 21.3 39.6



Abundance Ion 64.10 (63.80 to 64.80): VU040348.D (-95) (-)



#9

Trichlorofluoromethane

Concen: 0.950 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040348.D

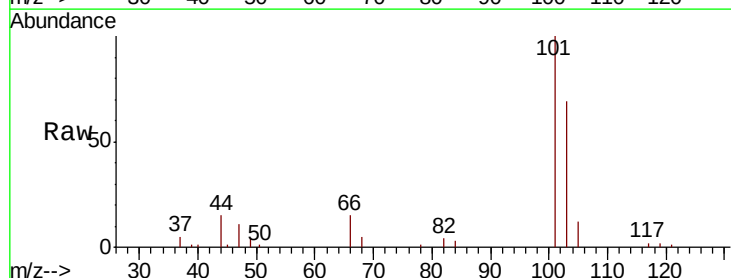
Acq: 29 Sep 2020 09:44

Tgt Ion:101 Resp: 16777

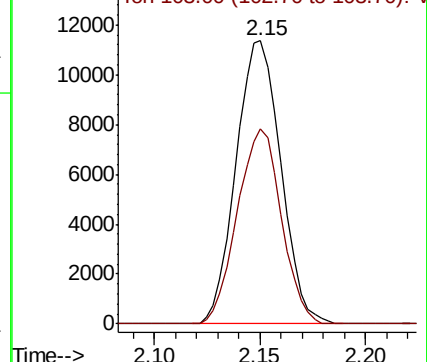
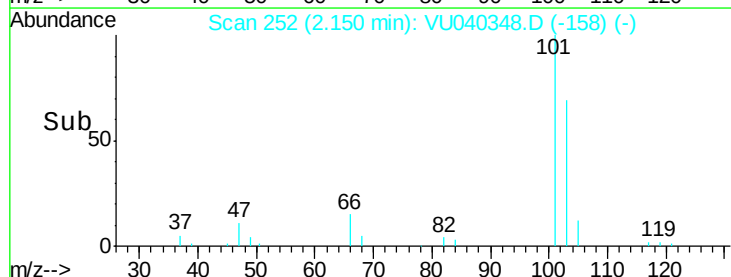
Ion Ratio Lower Upper

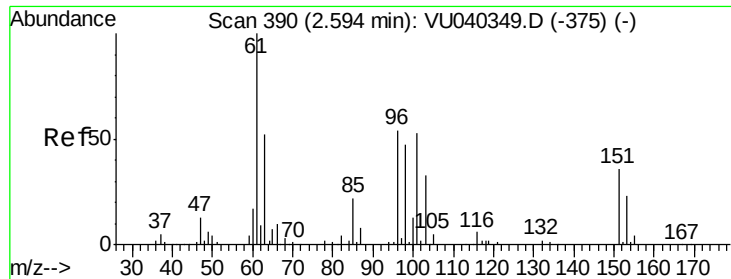
101 100

103 67.5 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VU040348.D (-158) (-)





#10

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

Concen: 0.899 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

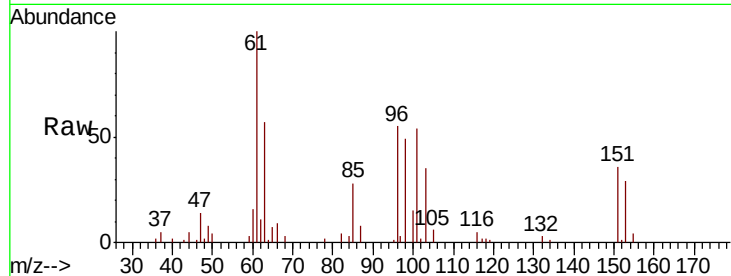
Tot Ion:101 Resp: 10322

Ion Ratio Lower Upper

101 100

85 47.6 35.0 52.6

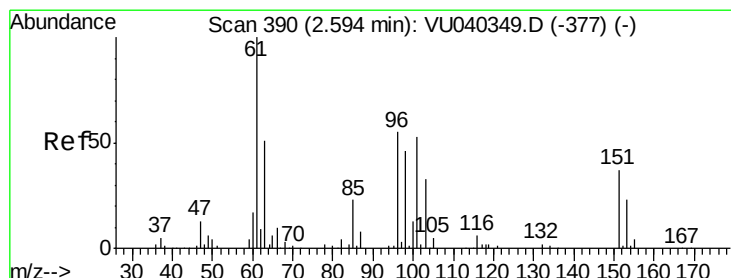
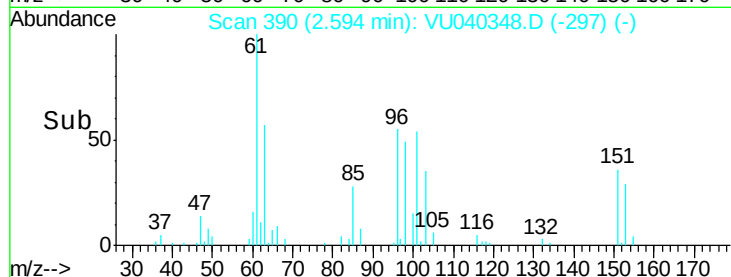
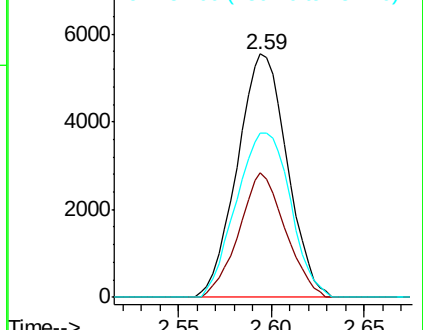
151 73.7 55.4 83.2



Abundance Ion 101.00 (100.70 to 101.70): VU040348.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040348.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040348.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 0.927 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

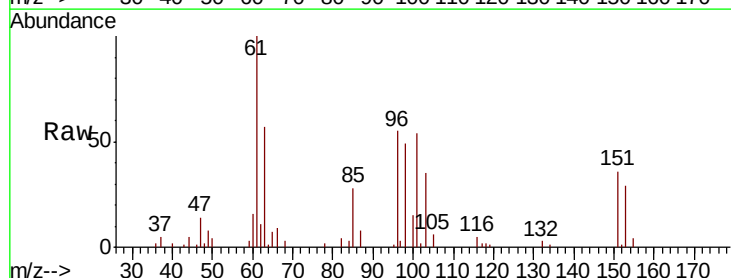
Tgt Ion: 96 Resp: 9246

Ion Ratio Lower Upper

96 100

61 182.5 128.6 238.8

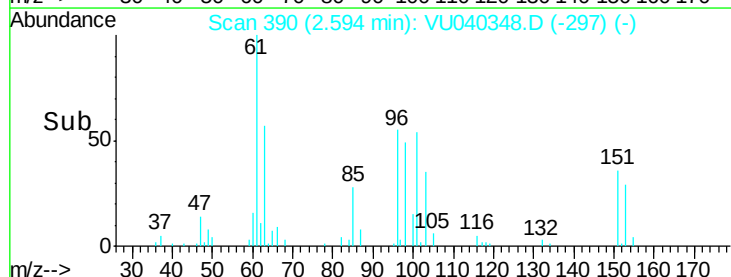
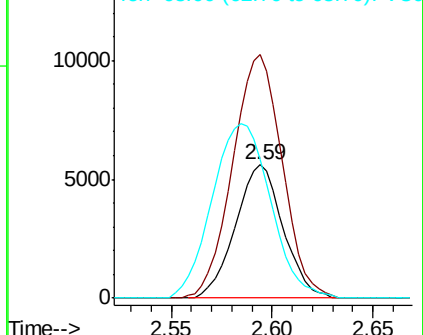
63 103.7 67.8 126.0

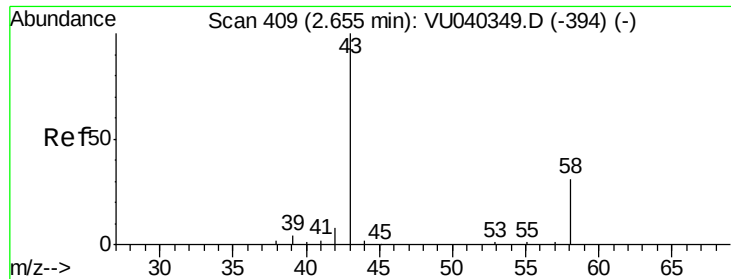


Abundance Ion 96.00 (95.70 to 96.70): VU040348.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU040348.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU040348.D (-297) (-)





#13

Acetone

Concen: 10.218 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

Instrument :

MSVOA_U

ClientSampleId :

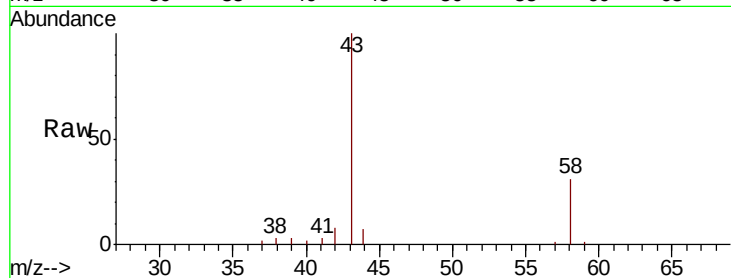
VSTD00105

Tot Ion: 43 Resp: 26211

Ion Ratio Lower Upper

43 100

58 28.3 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040349.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VU040349.D (-394) (-)

2.66

8000

6000

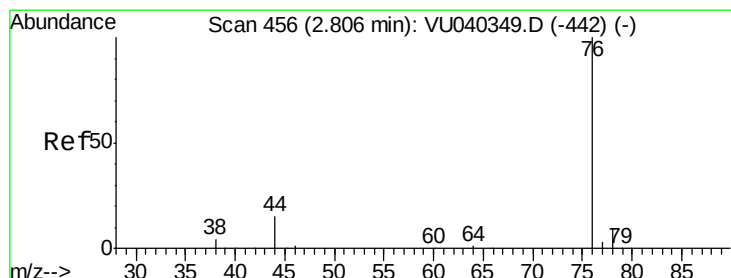
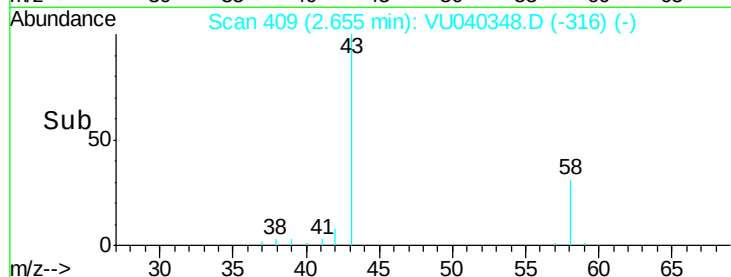
4000

2000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 0.932 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040348.D

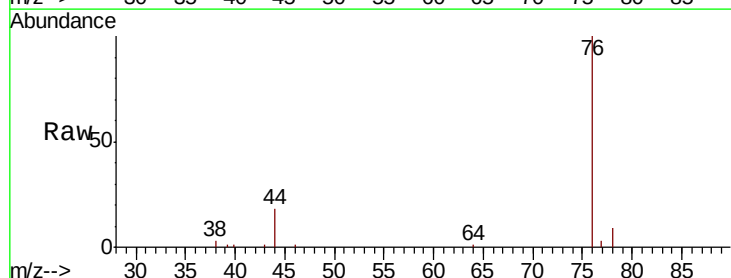
Acq: 29 Sep 2020 09:44

Tgt Ion: 76 Resp: 29833

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040349.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040349.D (-442) (-)

2.81

20000

15000

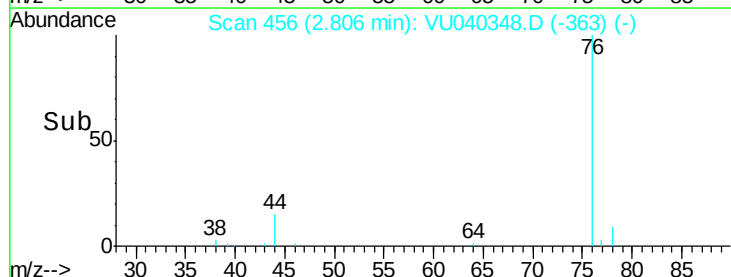
10000

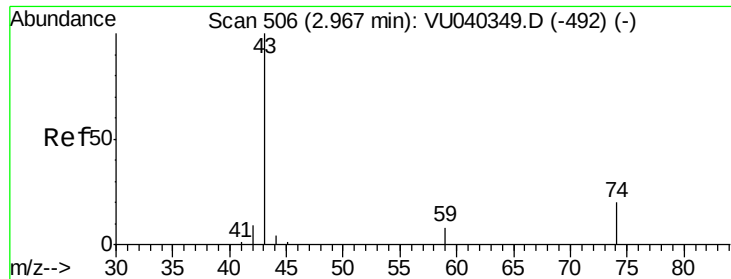
5000

0

Time-->

2.75 2.80 2.85

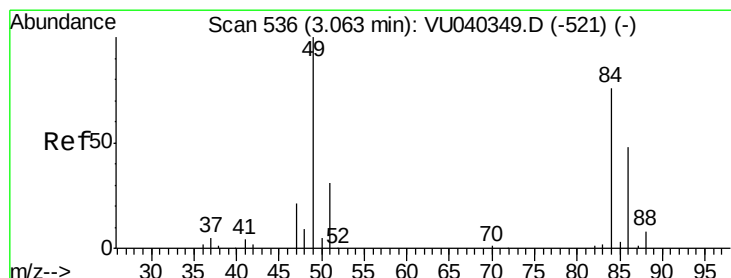
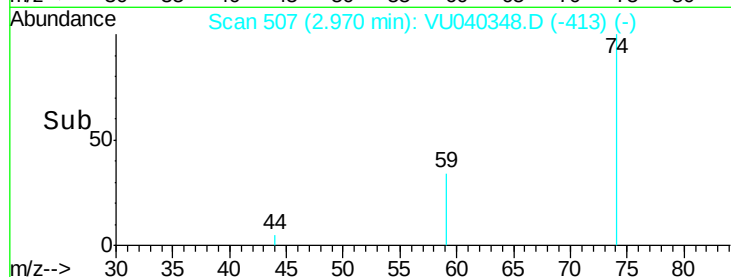
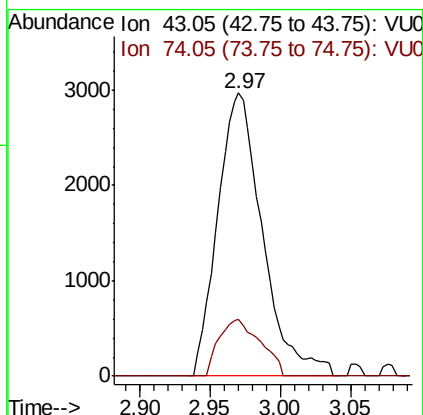
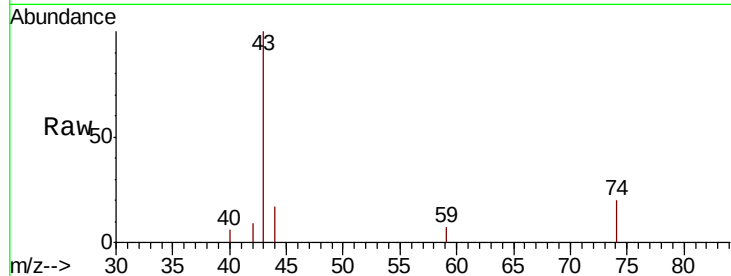




#15
Methvl Acetate
Concen: 0.999 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU040348.D
Acq: 29 Sep 2020 09:44

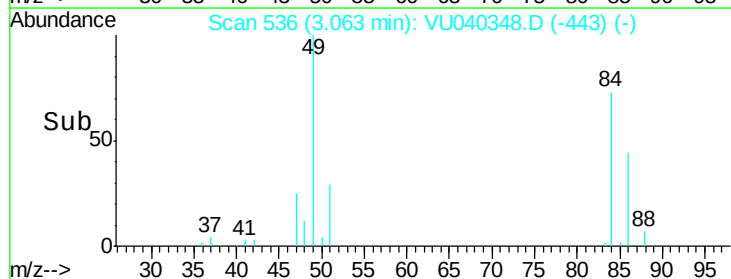
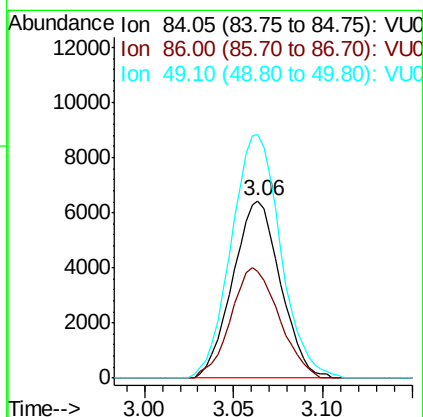
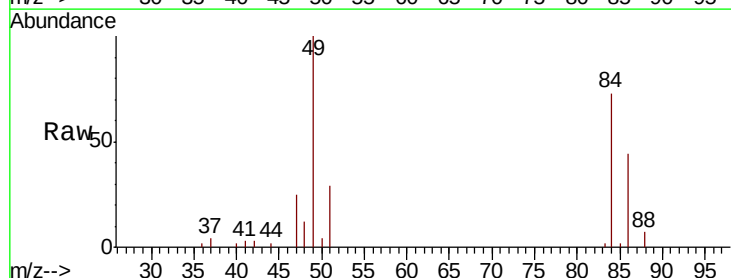
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

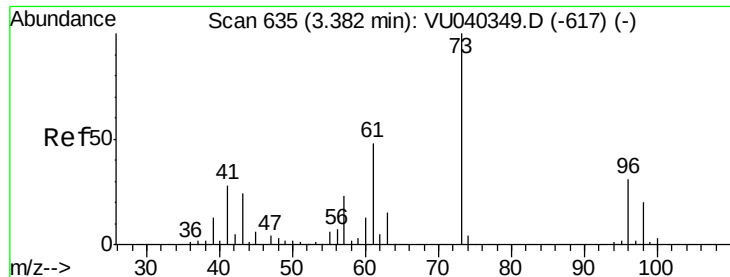
Tot Ion: 43 Resp: 6568
Ion Ratio Lower Upper
43 100
74 18.4 16.3 24.5



#16
Methylene chloride
Concen: 0.913 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040348.D
Acq: 29 Sep 2020 09:44

Tgt Ion: 84 Resp: 11936
Ion Ratio Lower Upper
84 100
86 60.2 44.4 82.5
49 137.3 92.2 171.2

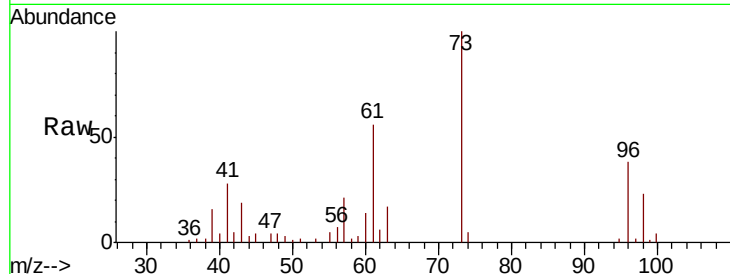




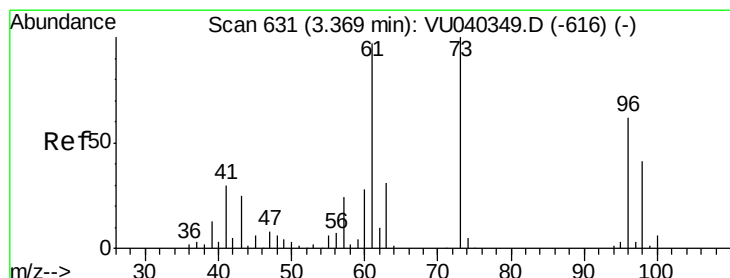
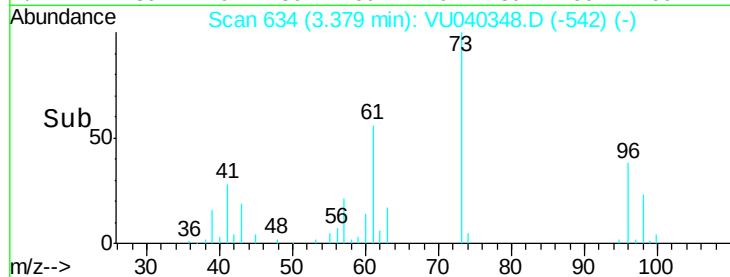
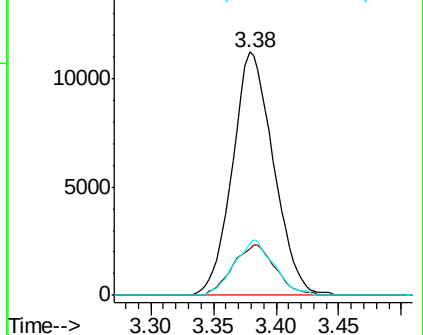
#17
Methyl tert-butyl Ether
Concen: 0.867 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040348.D
Acq: 29 Sep 2020 09:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

Tot Ion:	73	Resp:	25598
Ion	Ratio	Lower	Upper
73	100		
43	21.5	19.0	28.4
57	21.8	18.9	28.3

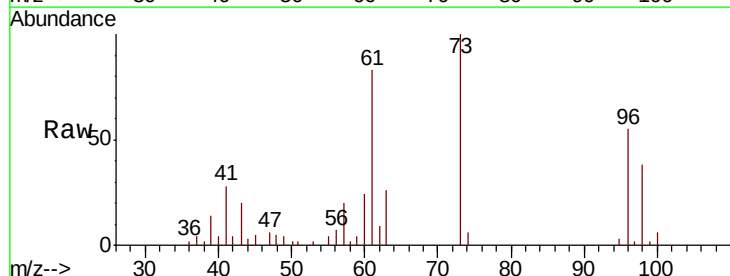


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

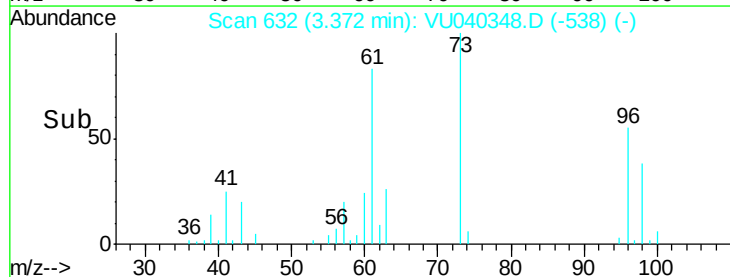
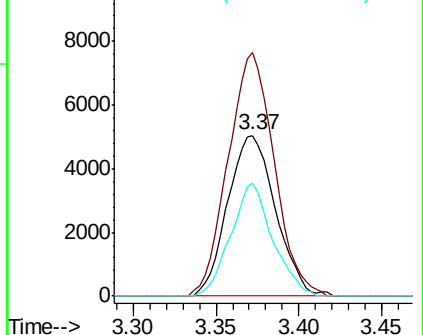


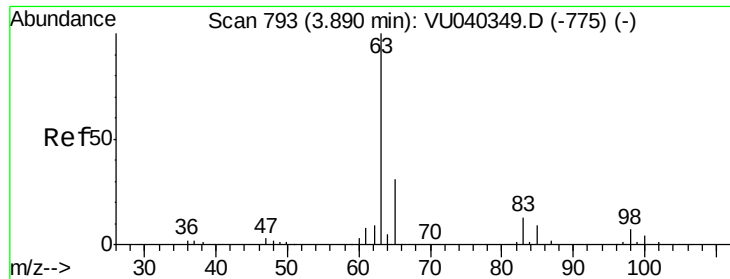
#18
trans-1,2-Dichloroethene
Concen: 0.940 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040348.D
Acq: 29 Sep 2020 09:44

Tgt Ion:	96	Resp:	10096
Ion	Ratio	Lower	Upper
96	100		
61	151.6	109.3	203.1
98	70.3	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

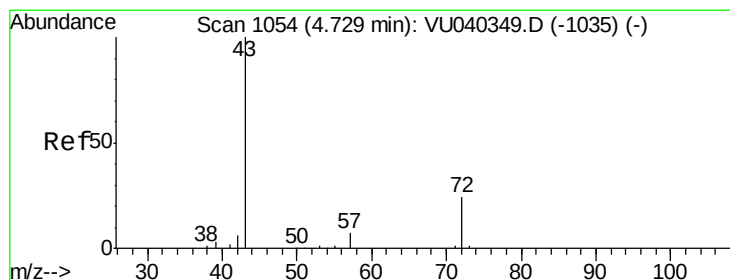
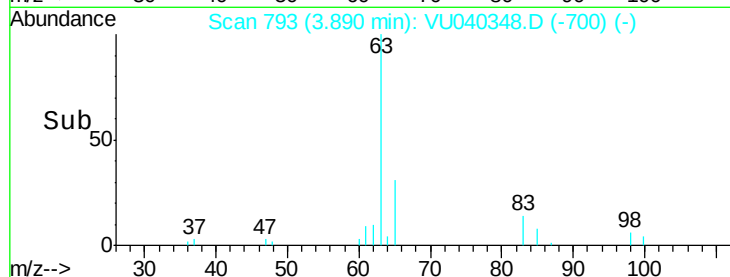
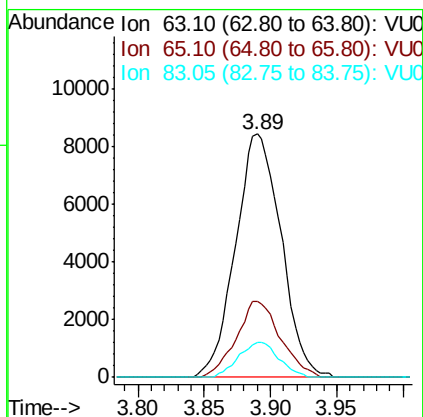
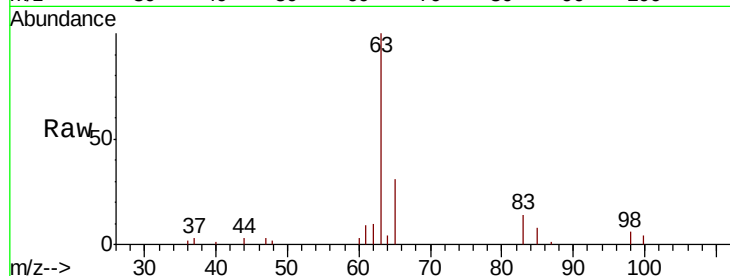




#19
 1,1-Dichloroethane
 Concen: 0.916 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

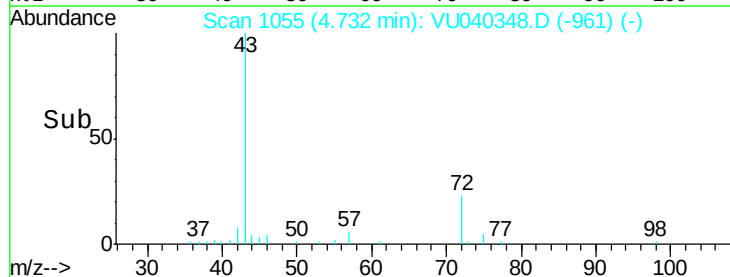
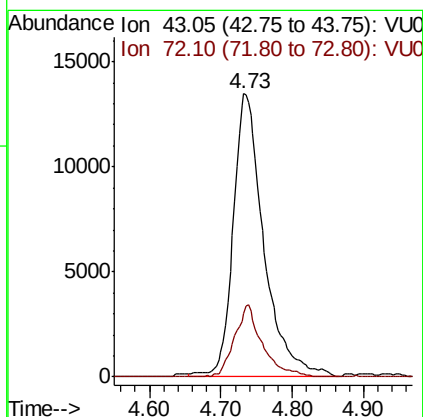
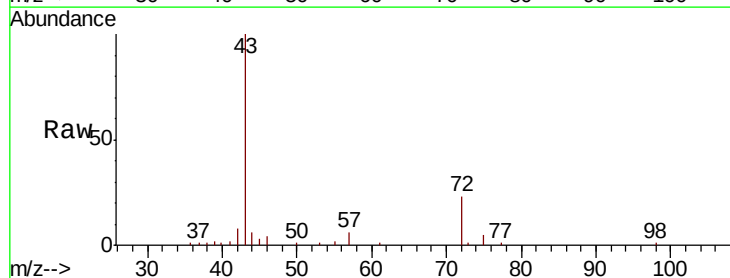
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00105

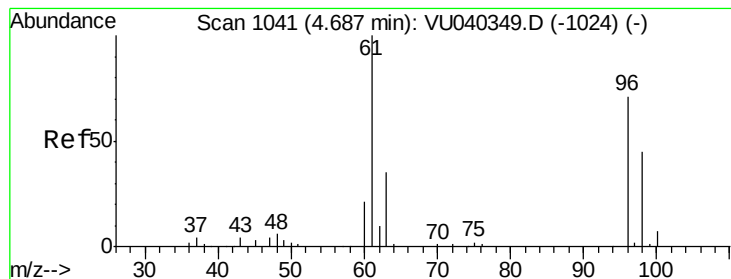
Tot Ion: 63 Resp: 20143
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.7 40.3
 83 14.2 9.1 16.9



#21
 2-Butanone
 Concen: 9.569 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

Tgt Ion: 43 Resp: 40574
 Ion Ratio Lower Upper
 43 100
 72 22.9 12.0 36.1





#22

cis-1,2-Dichloroethene

Concen: 0.898 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

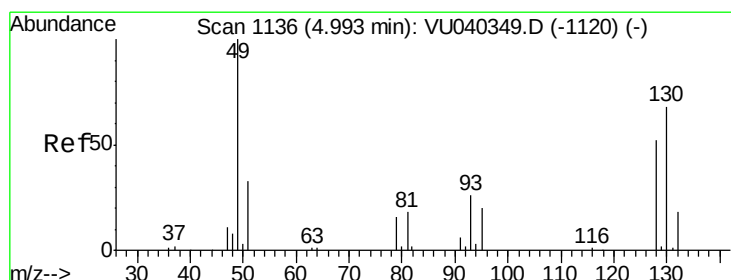
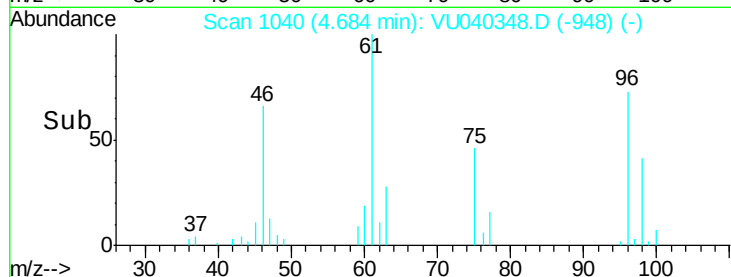
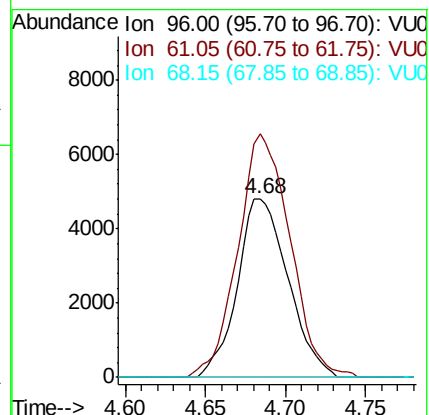
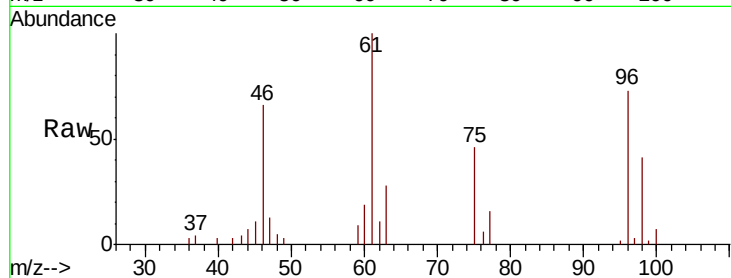
Tot Ion: 96 Resp: 10425

Ion Ratio Lower Upper

96 100

61 136.3 99.3 184.5

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 0.996 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

Tgt Ion: 128 Resp: 5062

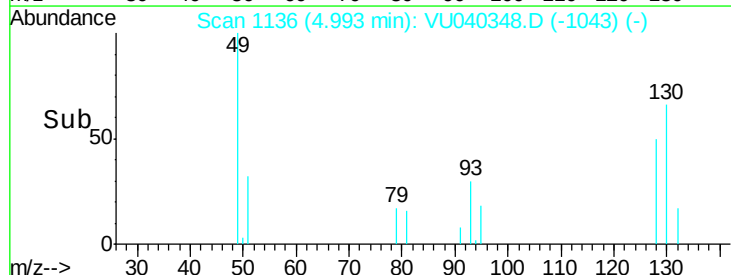
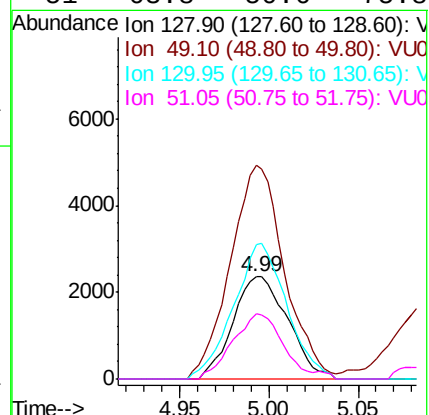
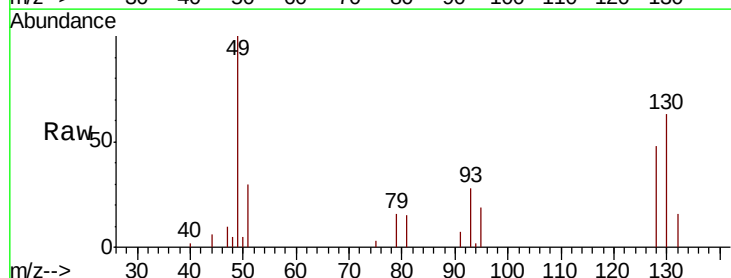
Ion Ratio Lower Upper

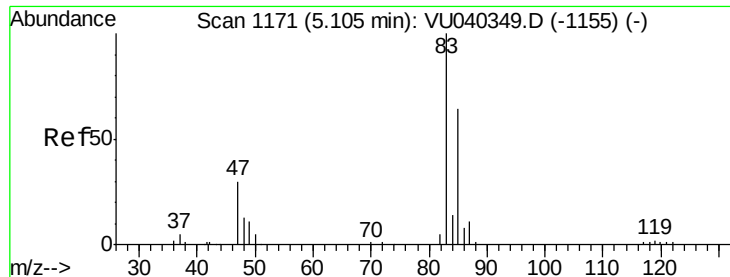
128 100

49 209.4 134.6 250.0

130 132.4 91.1 169.1

51 63.8 50.6 75.8

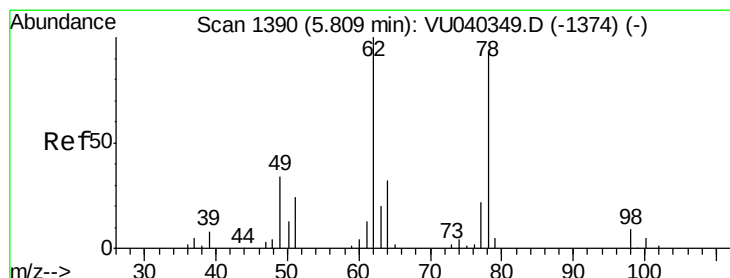
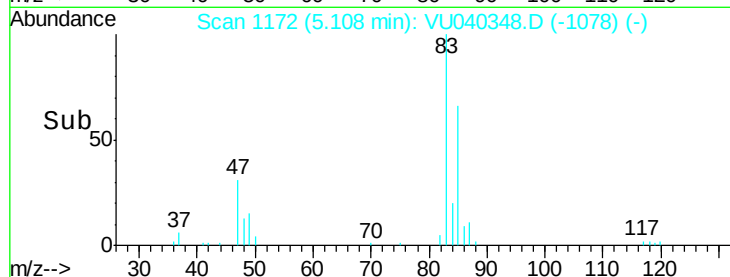
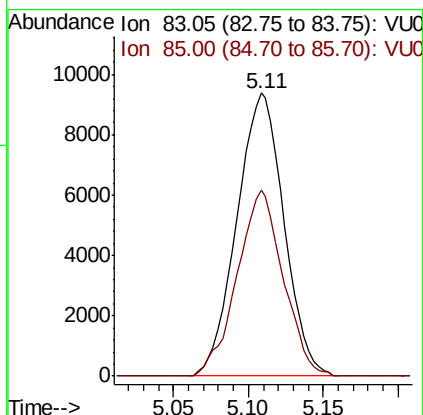
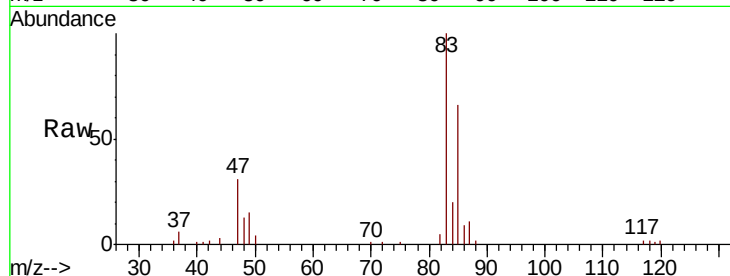




#25
Chloroform
Concen: 0.913 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040348.D
Acq: 29 Sep 2020 09:44

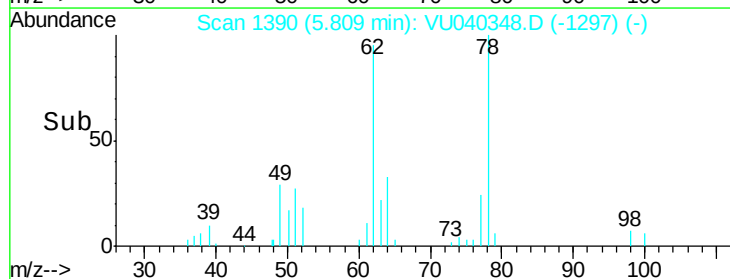
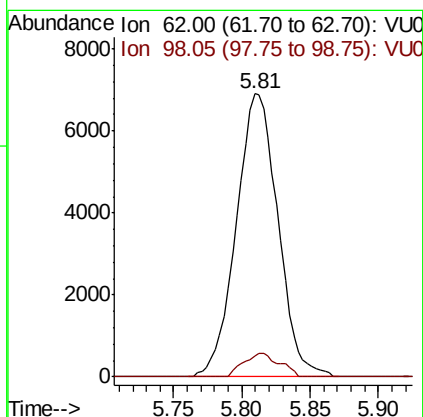
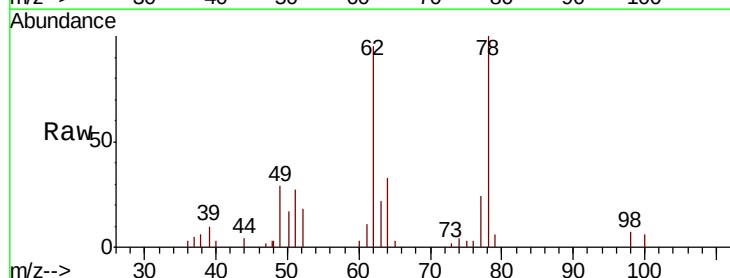
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

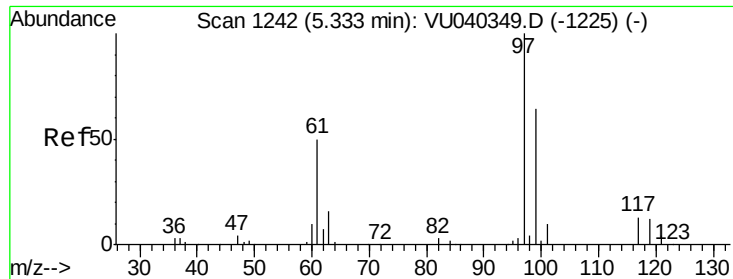
Tot Ion: 83 Resp: 20567
Ion Ratio Lower Upper
83 100
85 65.6 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.904 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040348.D
Acq: 29 Sep 2020 09:44

Tgt Ion: 62 Resp: 14668
Ion Ratio Lower Upper
62 100
98 7.2 7.5 11.3#

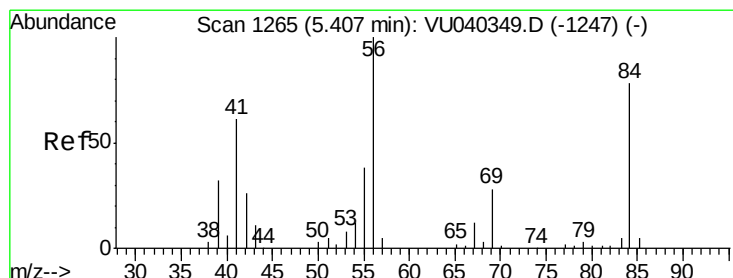
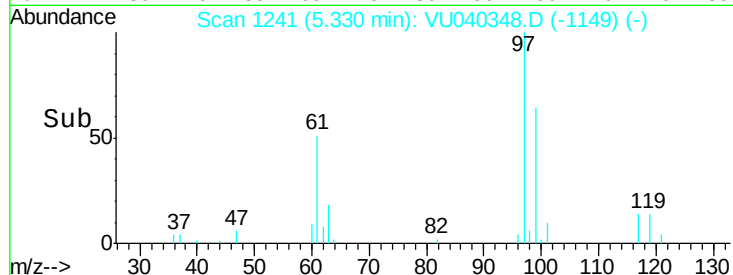
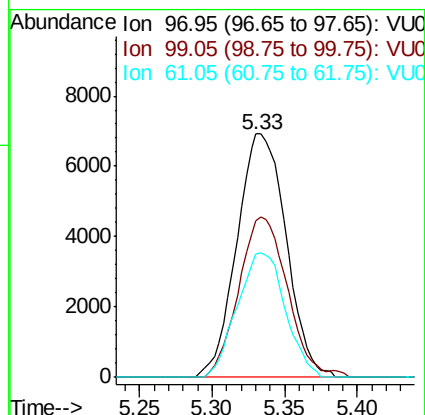
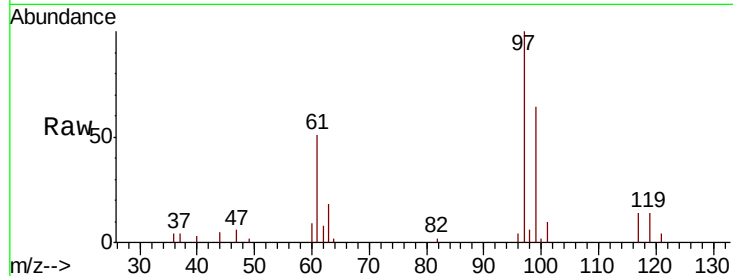




#29
 1,1,1-Trichloroethane
 Concen: 0.812 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

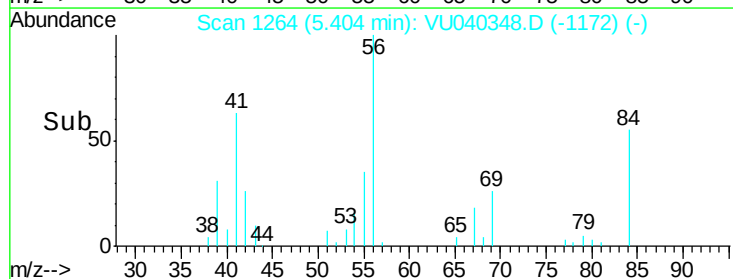
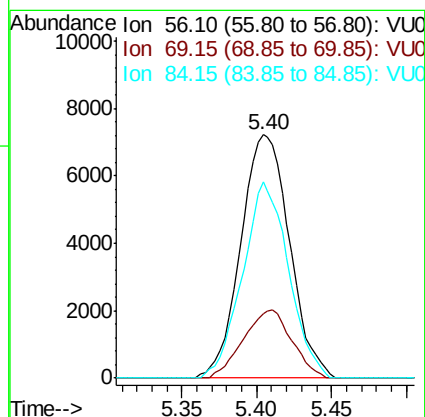
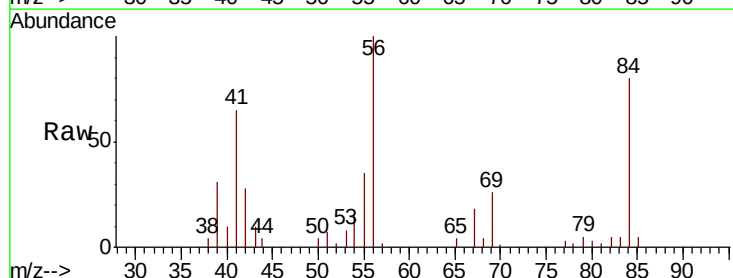
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

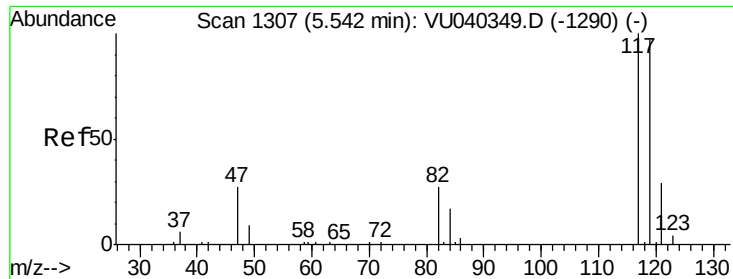
Tot Ion: 97 Resp: 16360
 Ion Ratio Lower Upper
 97 100
 99 65.1 50.7 76.1
 61 50.0 39.7 59.5



#30
 Cyclohexane
 Concen: 0.828 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

Tgt Ion: 56 Resp: 16331
 Ion Ratio Lower Upper
 56 100
 69 27.8 23.3 34.9
 84 76.2 64.2 96.4

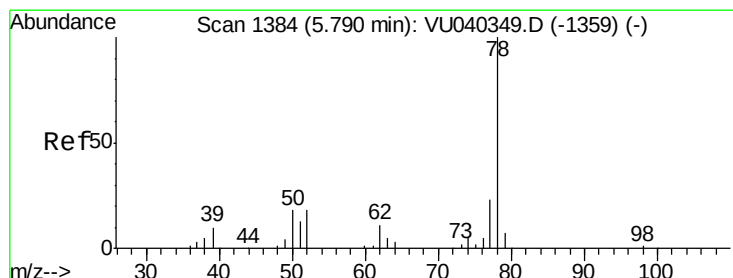
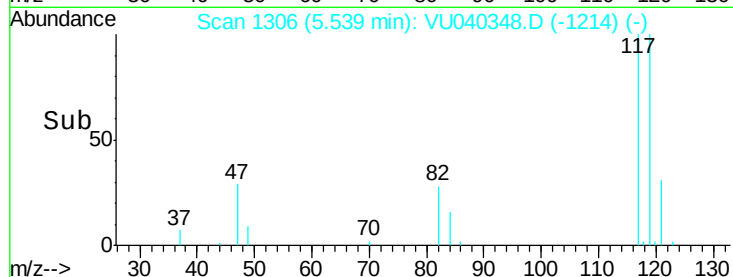
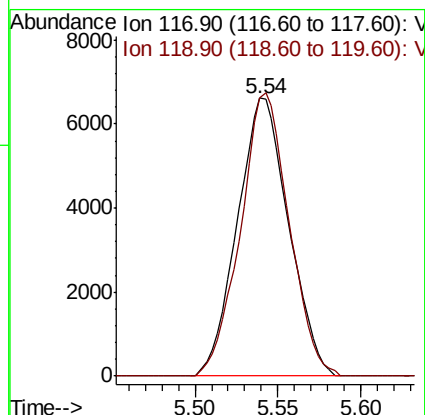
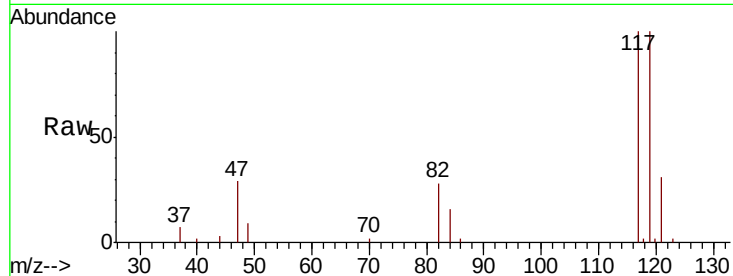




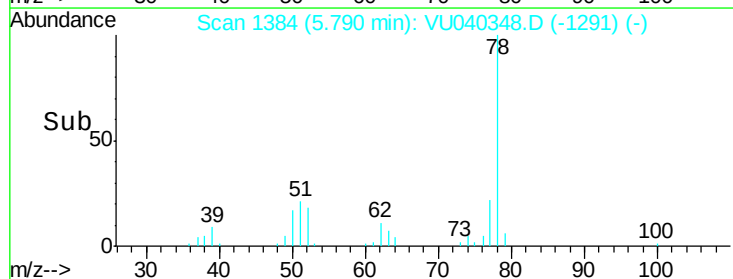
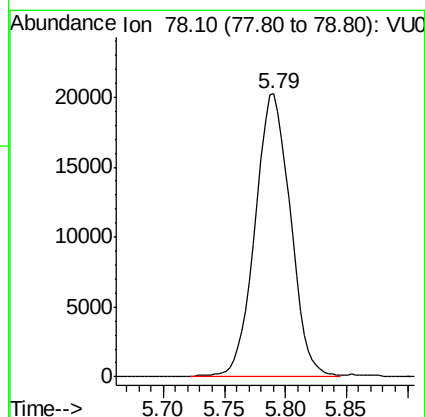
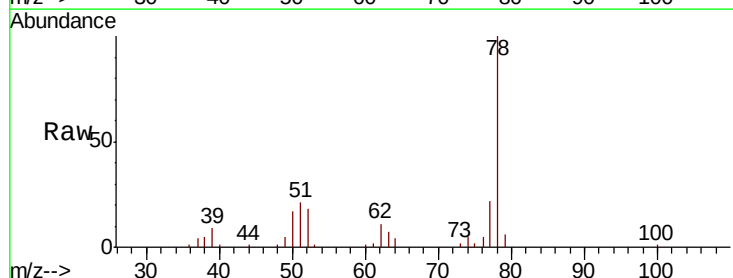
#31
Carbon tetrachloride
Concen: 0.820 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040348.D
Acq: 29 Sep 2020 09:44

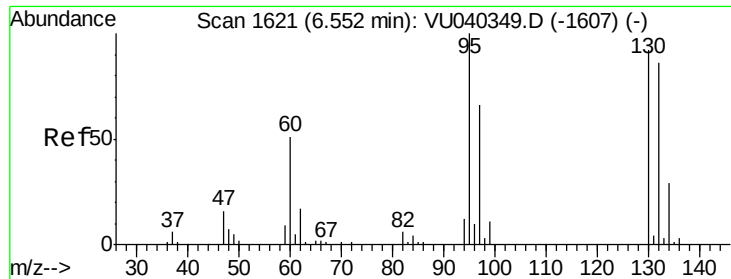
Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

Tot Ion:117 Resp: 14193
Ion Ratio Lower Upper
117 100
119 96.7 77.5 116.3



#33
Benzene
Concen: 0.873 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040348.D
Acq: 29 Sep 2020 09:44
Tgt Ion: 78 Resp: 40713

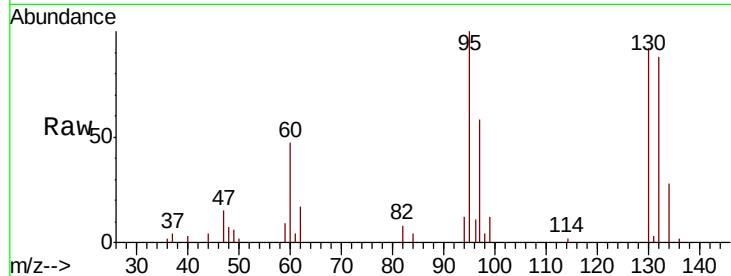




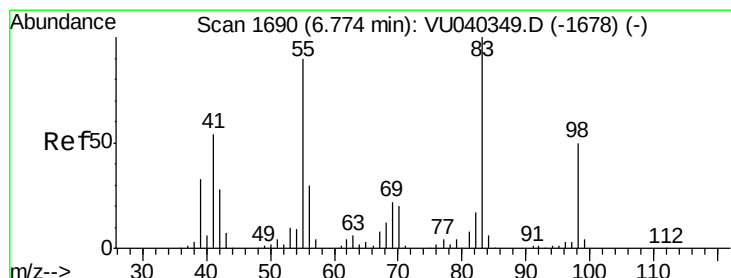
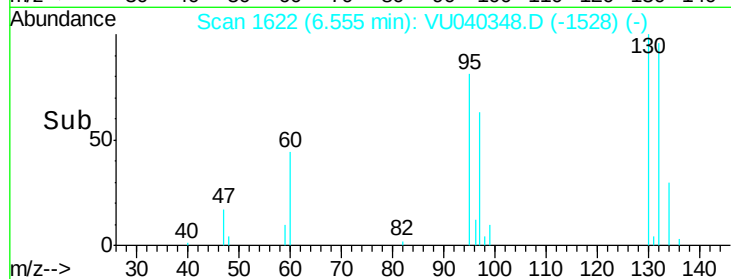
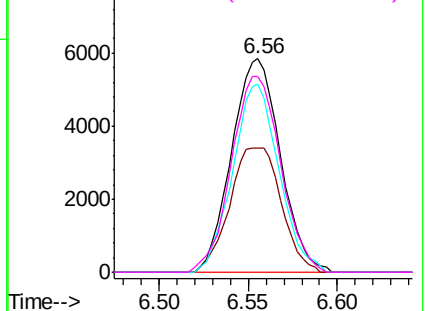
#34
 Trichloroethene
 Concen: 0.893 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tot Ion: 95 Resp: 11089
 Ion Ratio Lower Upper
 95 100
 97 58.1 46.3 85.9
 132 87.9 60.5 112.3
 130 91.9 64.3 119.3

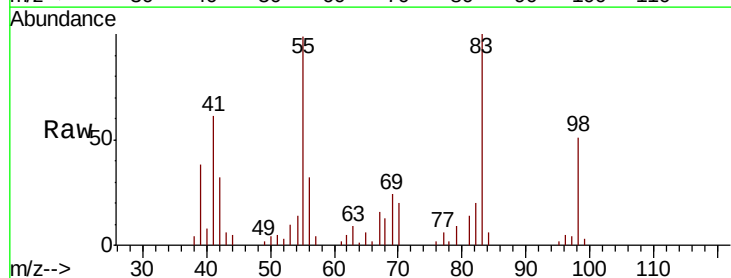


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

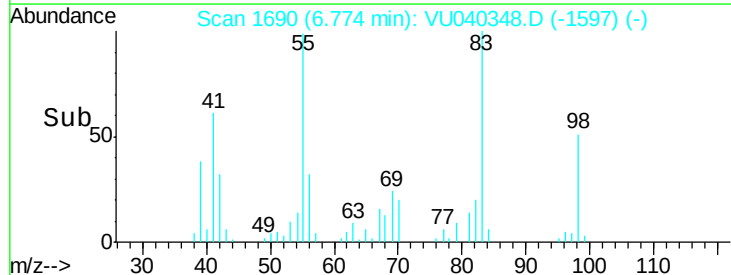
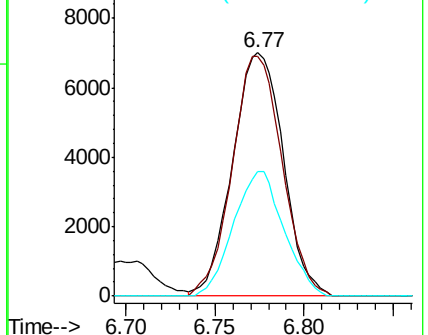


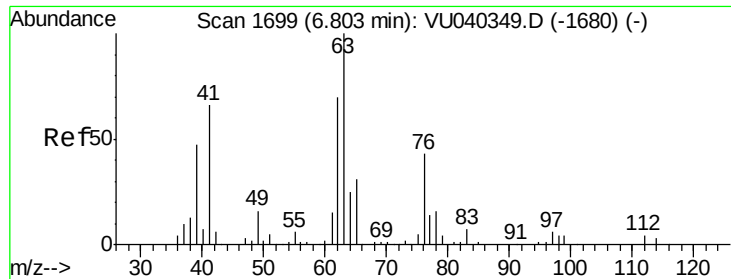
#35
 Methylcyclohexane
 Concen: 0.733 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

Tgt Ion: 83 Resp: 13921
 Ion Ratio Lower Upper
 83 100
 55 96.8 71.4 107.2
 98 50.9 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

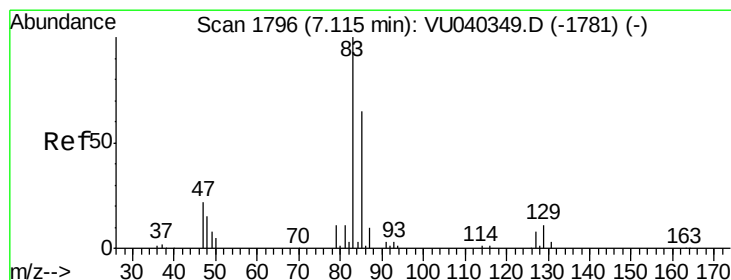
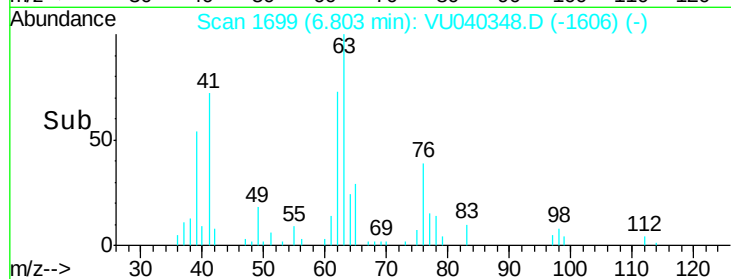
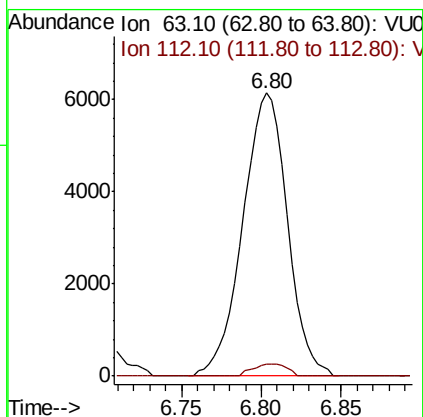
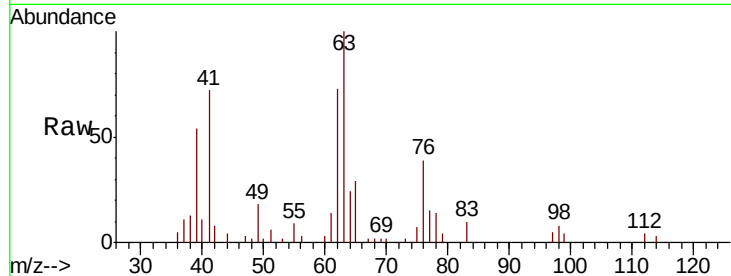




#37
 1,2-Dichloropropane
 Concen: 0.937 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

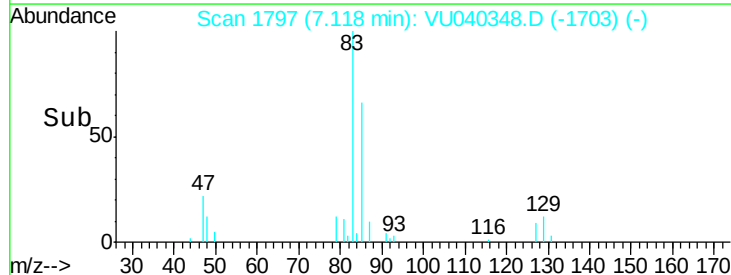
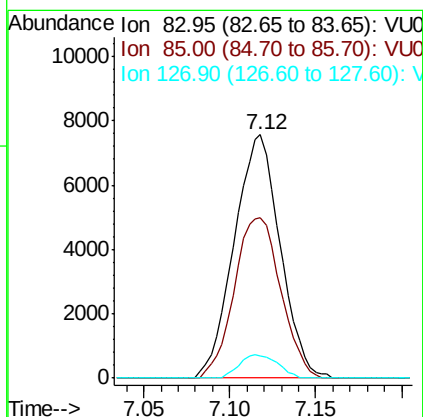
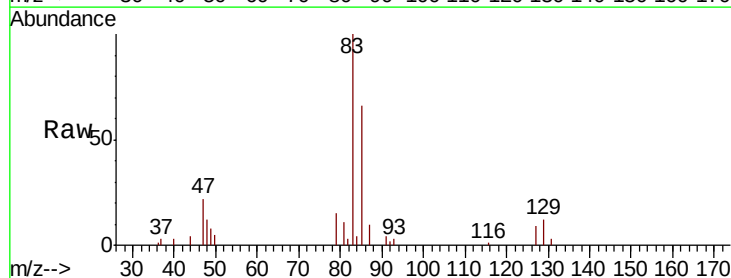
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

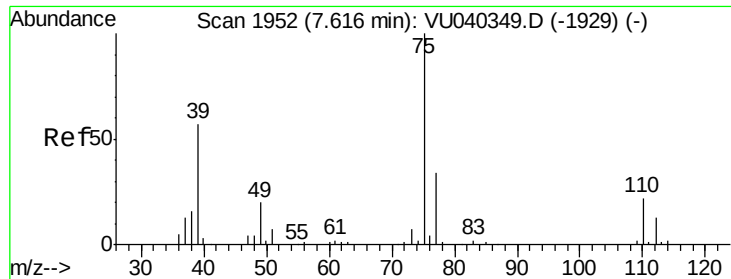
Tot Ion: 63 Resp: 11761
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.2 4.8



#38
 Bromodichloromethane
 Concen: 0.822 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

Tgt Ion: 83 Resp: 14012
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.1 83.9
 127 9.4 6.6 9.8

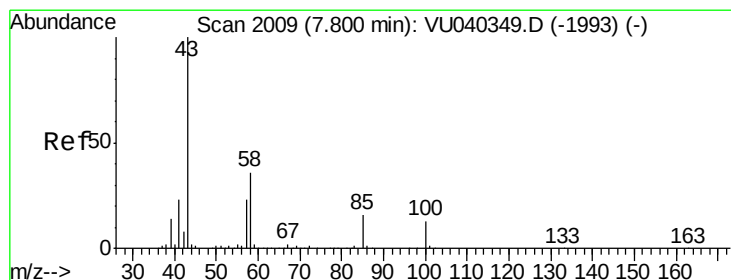
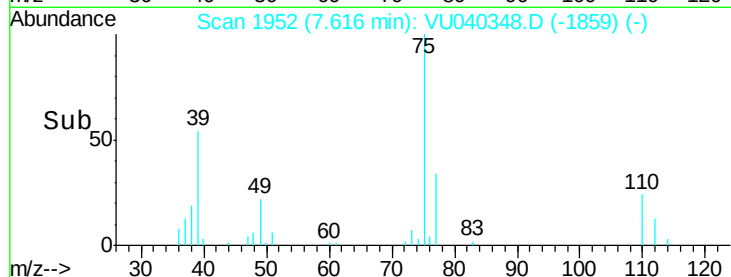
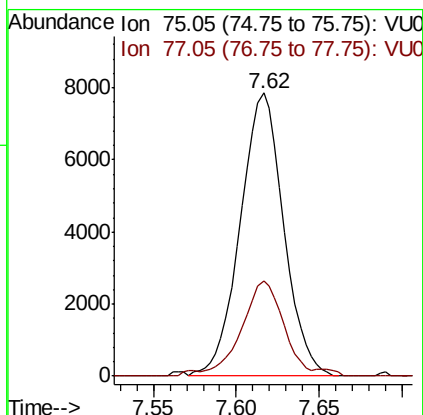
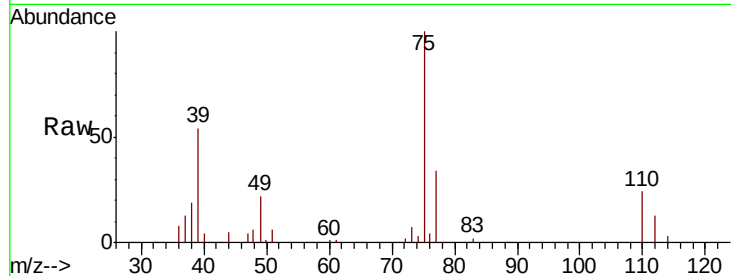




#39
 cis-1,3-Dichloropropene
 Concen: 0.787 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

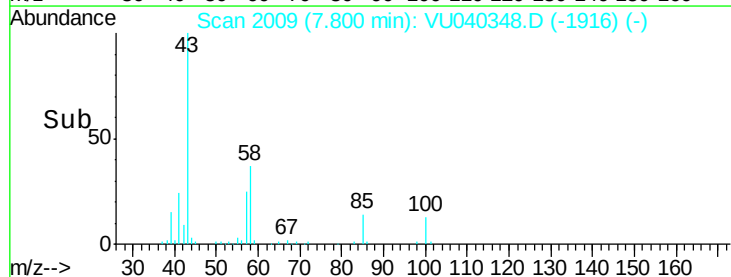
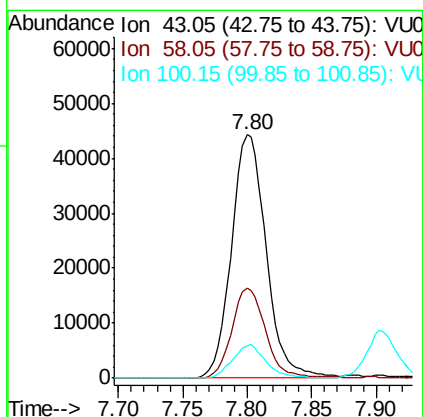
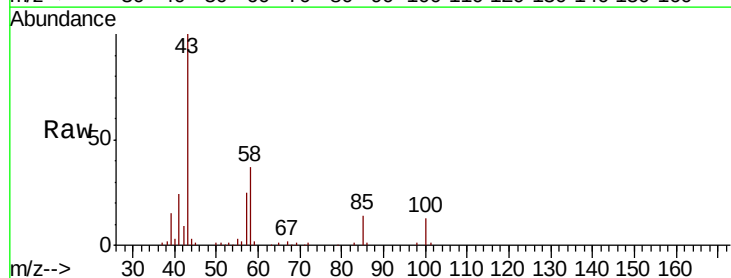
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

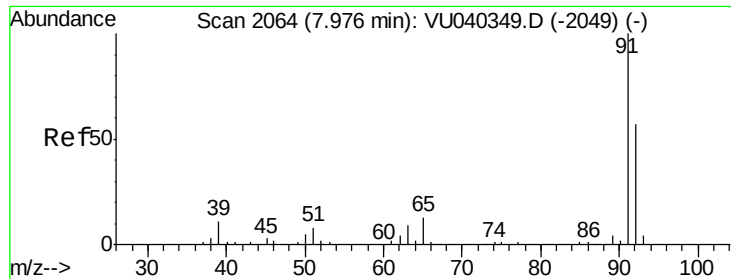
Tot Ion: 75 Resp: 14359
 Ion Ratio Lower Upper
 75 100
 77 33.8 23.5 43.7



#40
 4-Methyl-2-pentanone
 Concen: 8.077 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

Tgt Ion: 43 Resp: 82983
 Ion Ratio Lower Upper
 43 100
 58 35.7 29.2 43.8
 100 13.2 10.3 15.5





#42

Toluene

Concen: 0.862 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

Instrument :

MSVOA_U

ClientSampleId :

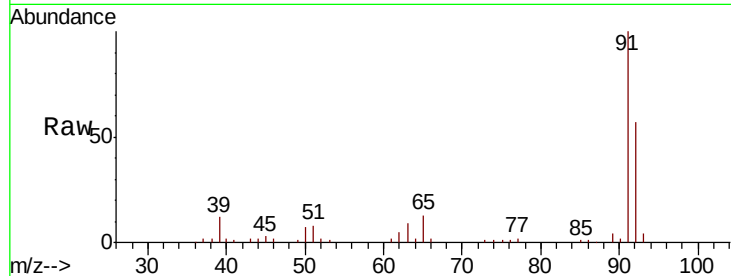
VSTD00105

Tot Ion: 91 Resp: 41358

Ion Ratio Lower Upper

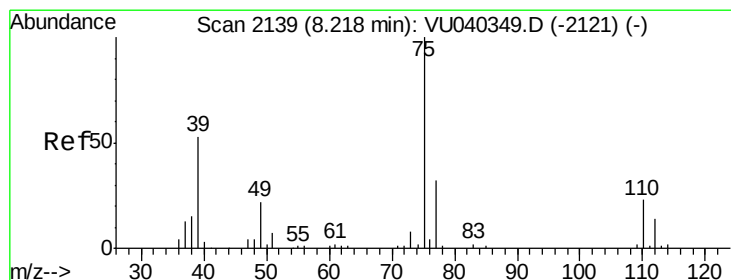
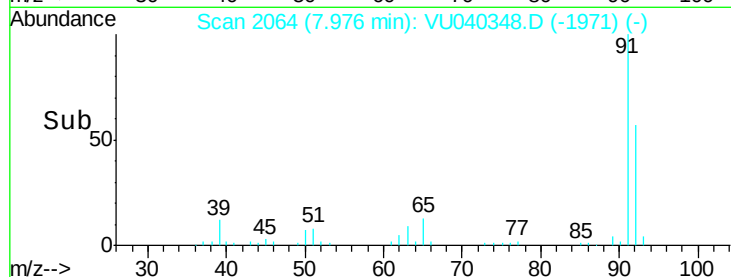
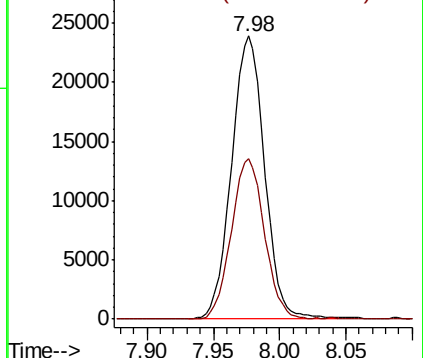
91 100

92 56.5 40.0 74.4



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: 0.797 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040348.D

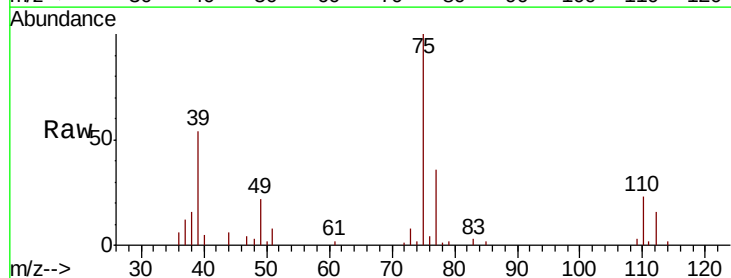
Acq: 29 Sep 2020 09:44

Tgt Ion: 75 Resp: 13498

Ion Ratio Lower Upper

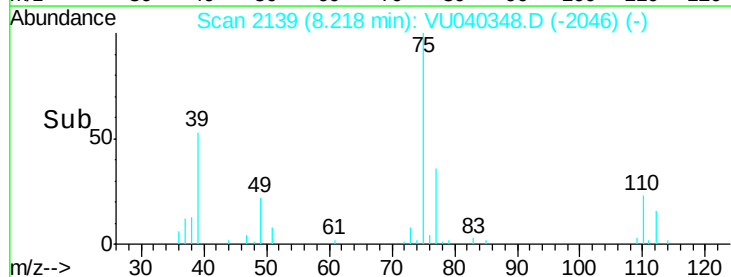
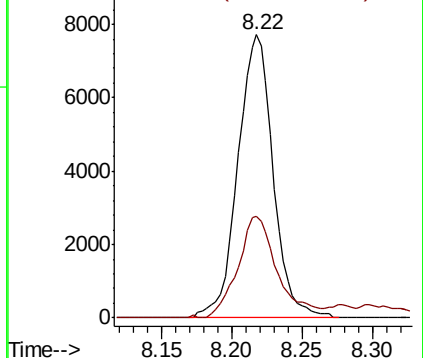
75 100

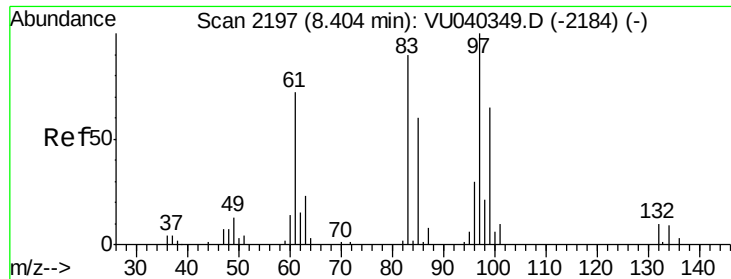
77 35.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

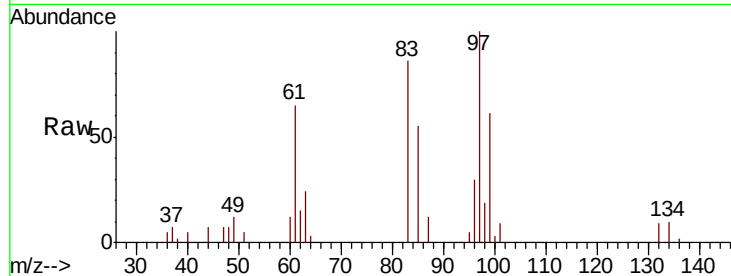




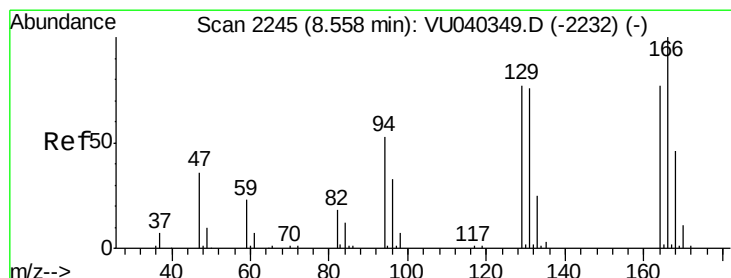
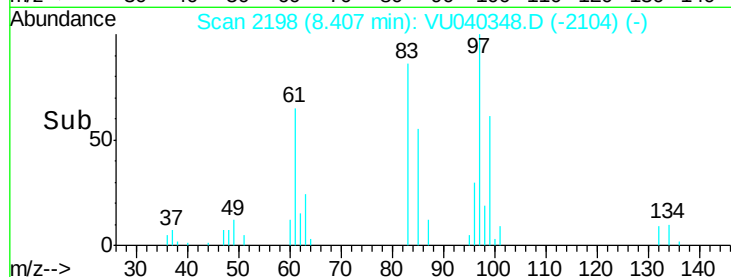
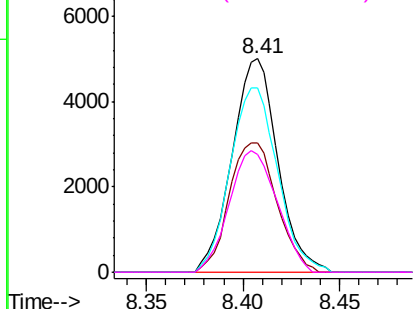
#45
 1,1,2-Trichloroethane
 Concen: 0.905 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tot Ion:	97	Resp:	8238
Ion	Ratio	Lower	Upper
97	100		
99	60.8	45.8	85.0
83	86.4	62.9	116.9
85	55.3	41.7	77.5

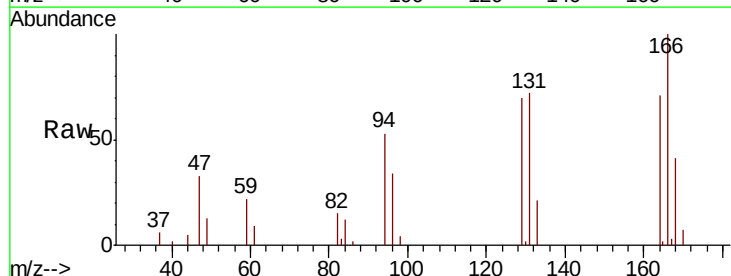


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

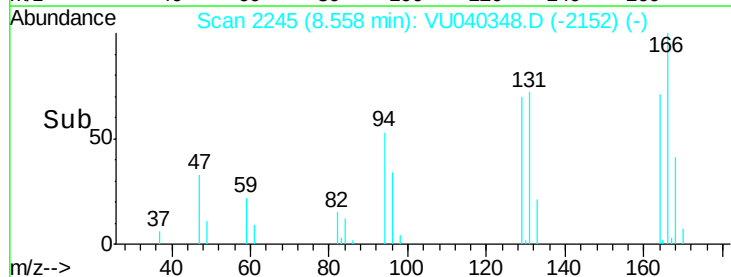
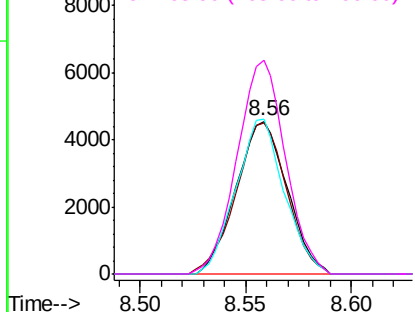


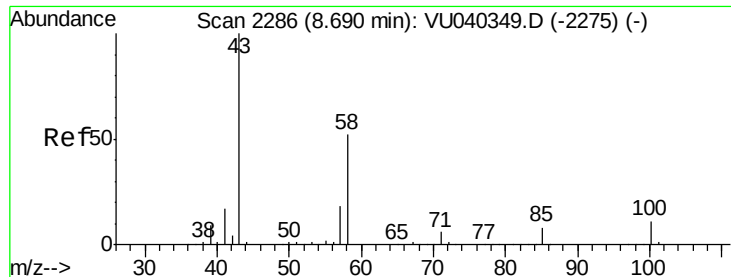
#47
 Tetrachloroethene
 Concen: 0.927 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

Tgt Ion:	164	Resp:	7683
Ion	Ratio	Lower	Upper
164	100		
129	98.6	70.3	130.7
131	101.5	69.2	128.6
166	140.0	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

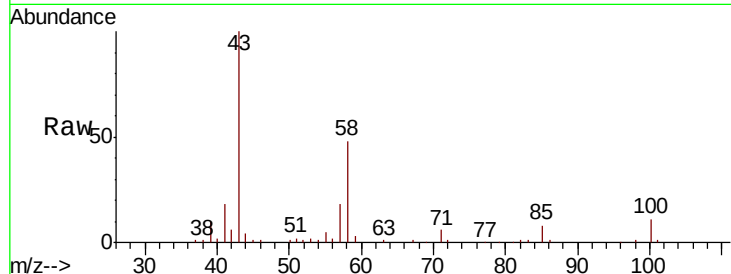




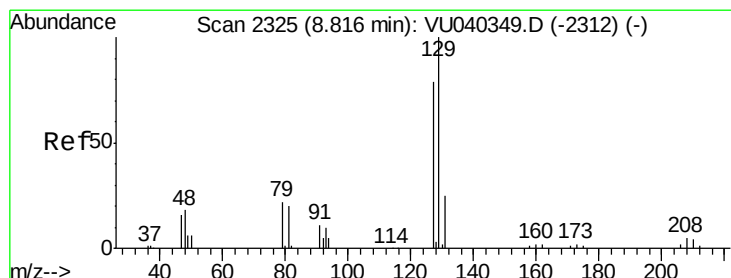
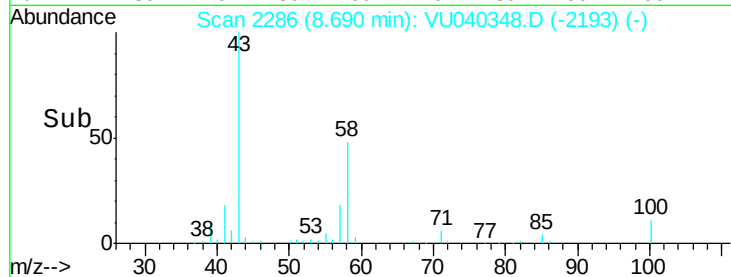
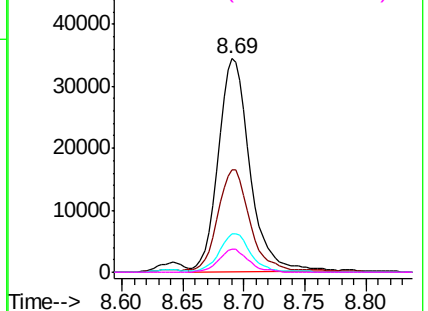
#48
2-Hexanone
Concen: 8.361 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040348.D
Acq: 29 Sep 2020 09:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

Tot Ion:	43	Resp:	62435
Ion	Ratio	Lower	Upper
43	100		
58	49.5	41.0	61.4
57	17.6	14.6	22.0
100	10.1	8.2	12.4

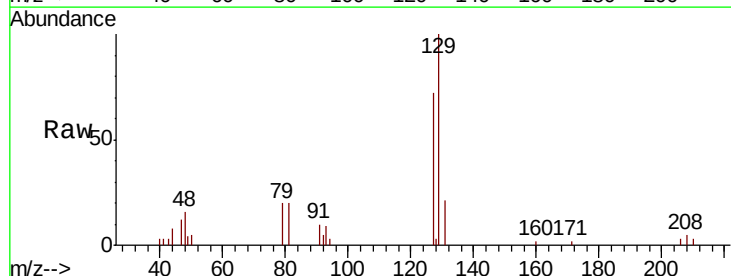


Abundance Ion 43.05 (42.75 to 43.75): VU040348.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040348.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040348.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040348.D (-2193) (-)

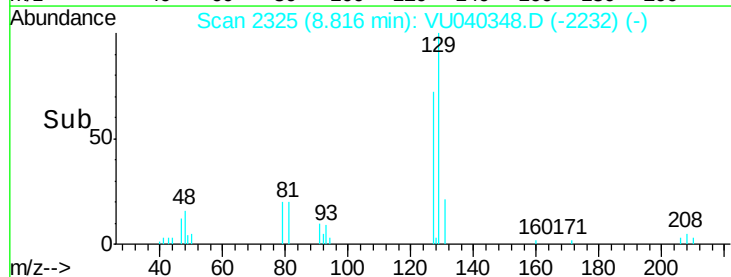
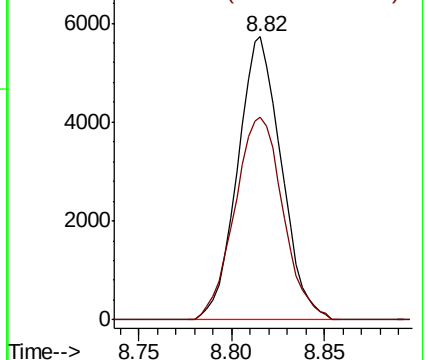


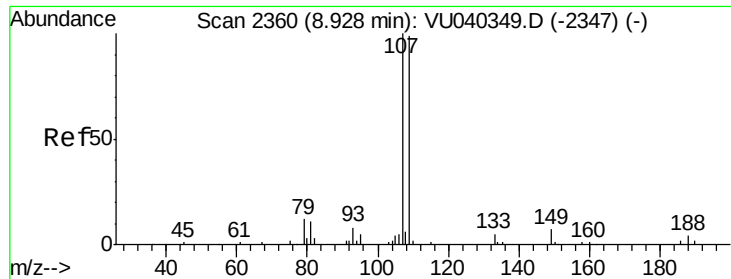
#49
Dibromochloromethane
Concen: 0.854 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040348.D
Acq: 29 Sep 2020 09:44

Tgt Ion:	129	Resp:	9342
Ion	Ratio	Lower	Upper
129	100		
127	71.6	55.4	103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040348.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU040348.D (-2232) (-)

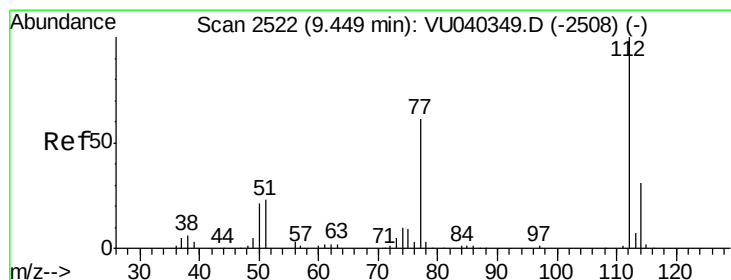
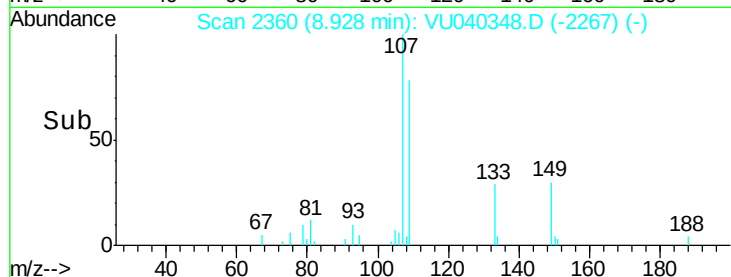
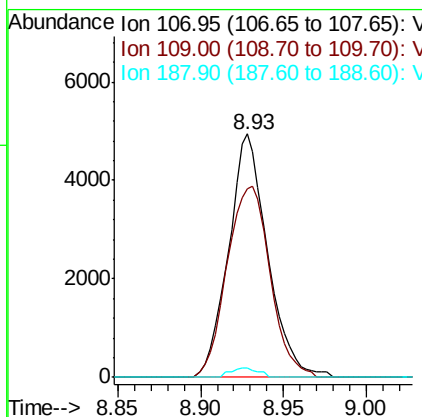
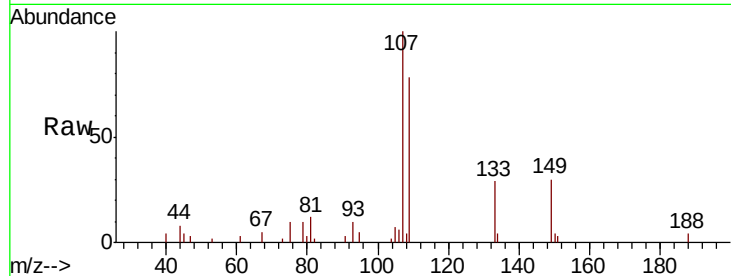




#50
 1,2-Dibromoethane
 Concen: 0.916 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

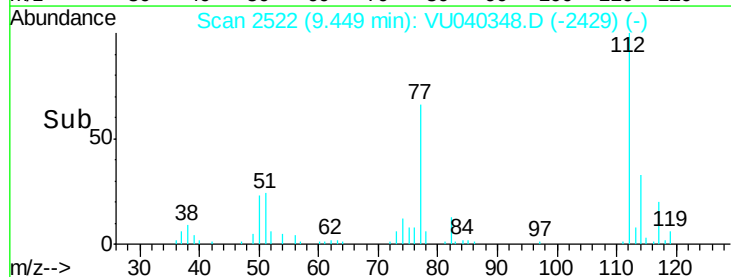
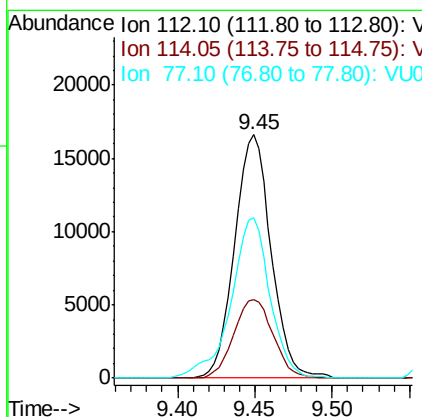
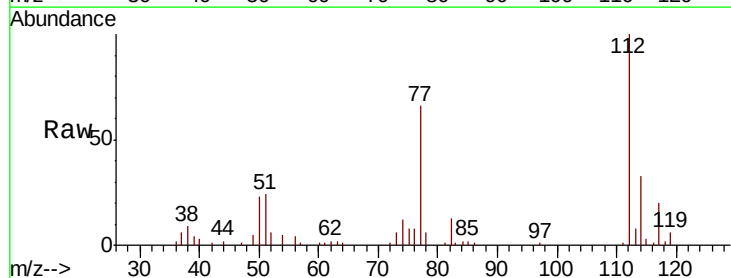
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

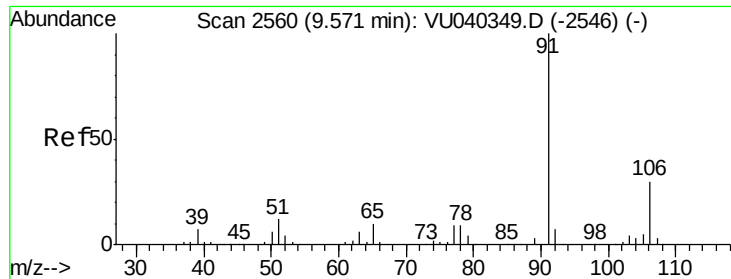
Tot Ion:107 Resp: 8095
 Ion Ratio Lower Upper
 107 100
 109 77.6 69.4 128.8
 188 3.9 3.3 4.9



#51
 Chlorobenzene
 Concen: 0.906 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

Tgt Ion:112 Resp: 27196
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.0 40.8
 77 66.0 49.5 74.3





#52

Ethylbenzene

Concen: 0.797 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

Instrument :

MSVOA_U

ClientSampleId :

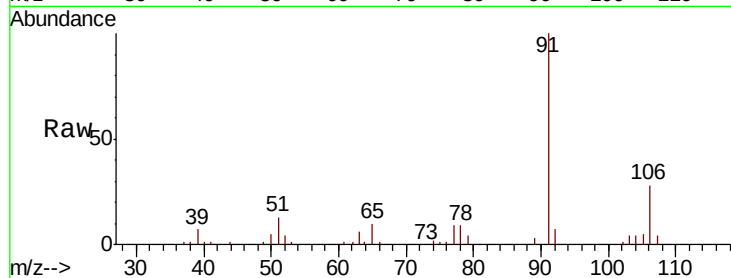
VSTD00105

Tot Ion: 91 Resp: 43019

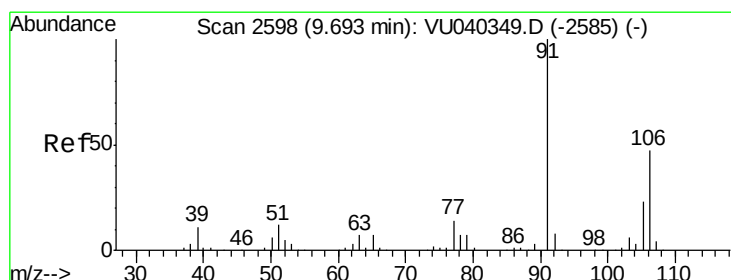
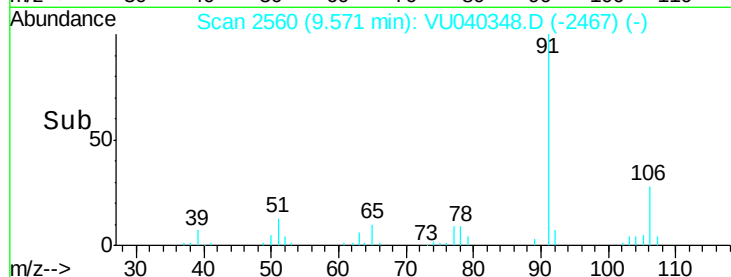
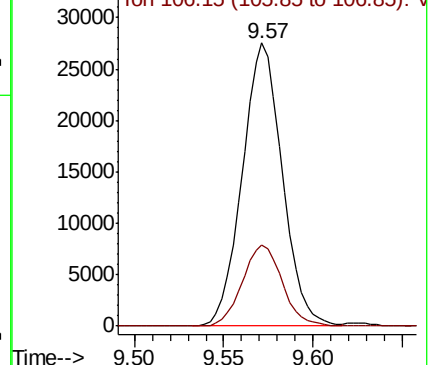
Ion Ratio Lower Upper

91 100

106 28.5 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040348.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.801 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040348.D

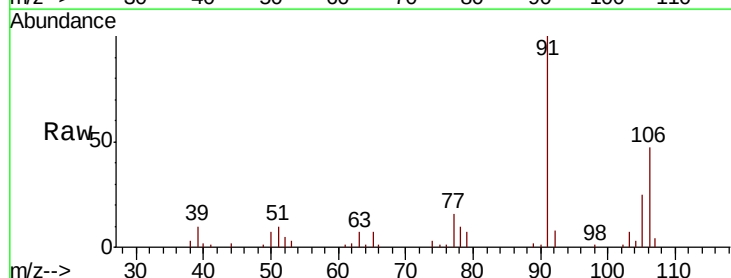
Acq: 29 Sep 2020 09:44

Tgt Ion: 106 Resp: 15526

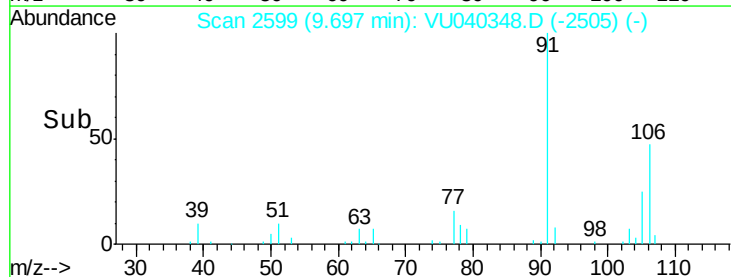
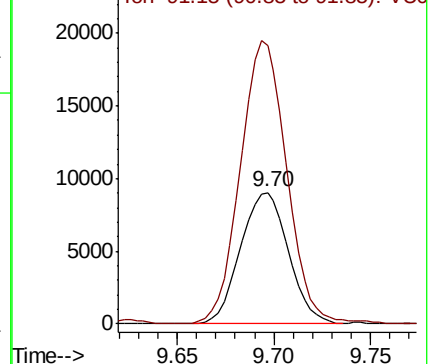
Ion Ratio Lower Upper

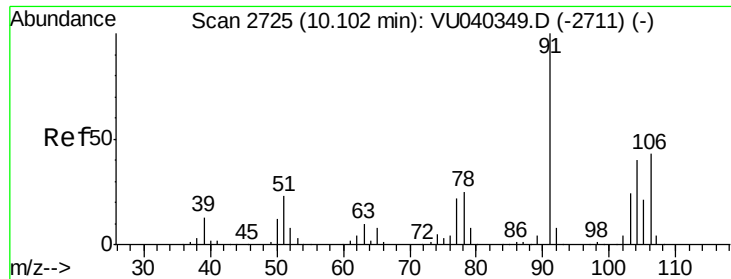
106 100

91 212.3 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040348.D (-2598) (-)

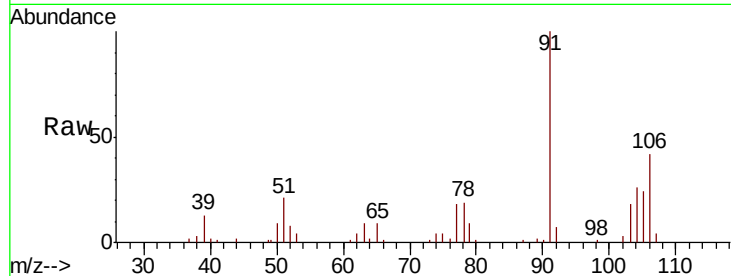




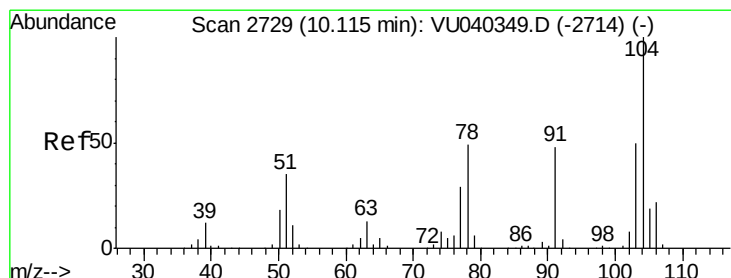
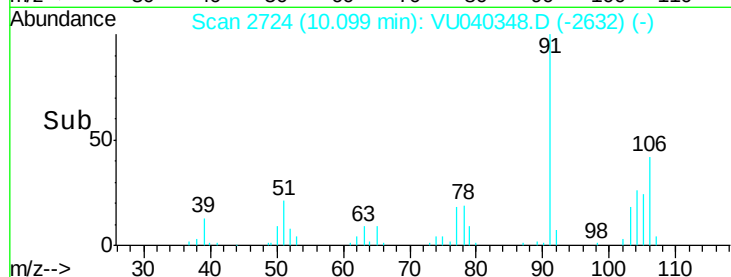
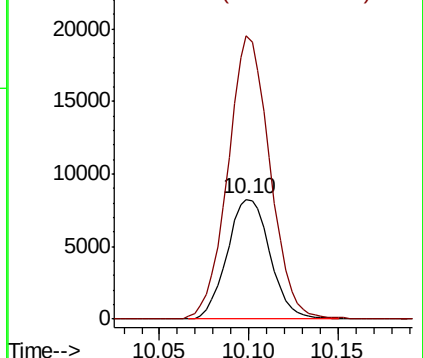
#54
o-Xylene
Concen: 0.751 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040348.D
Acq: 29 Sep 2020 09:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD00105

Tot Ion:106 Resp: 13833
Ion Ratio Lower Upper
106 100
91 235.8 160.9 298.9

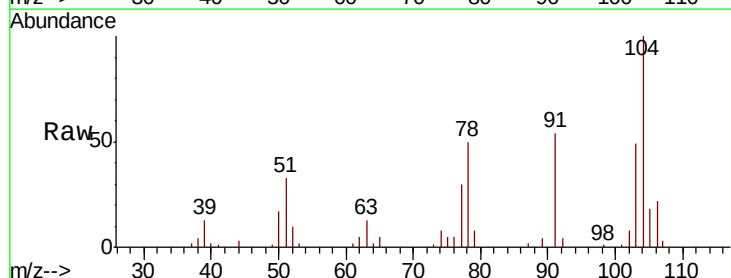


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

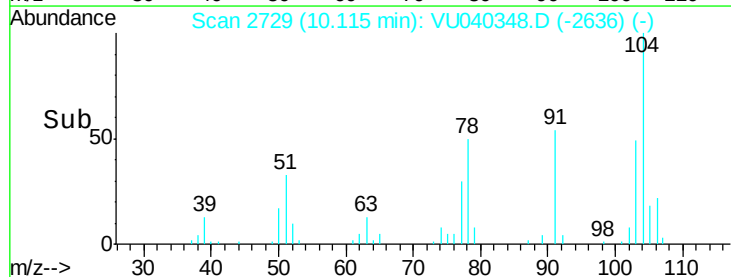
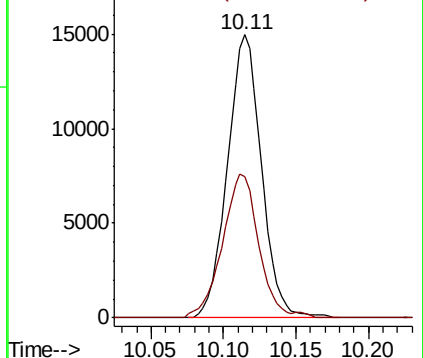


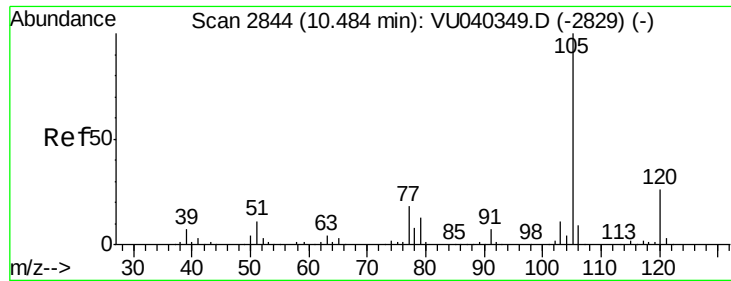
#55
Styrene
Concen: 0.757 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040348.D
Acq: 29 Sep 2020 09:44

Tgt Ion:104 Resp: 24362
Ion Ratio Lower Upper
104 100
78 49.9 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: 0.776 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

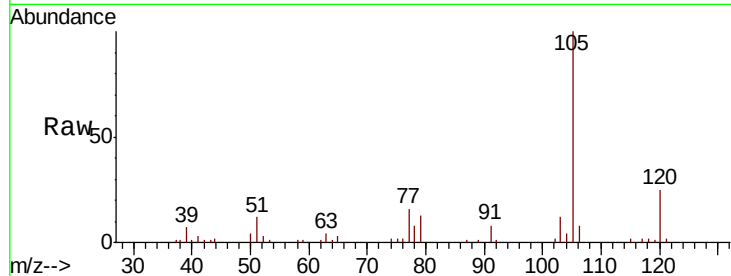
Tot Ion:105 Resp: 38860

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

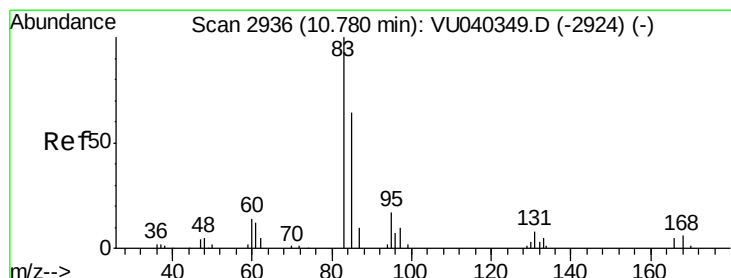
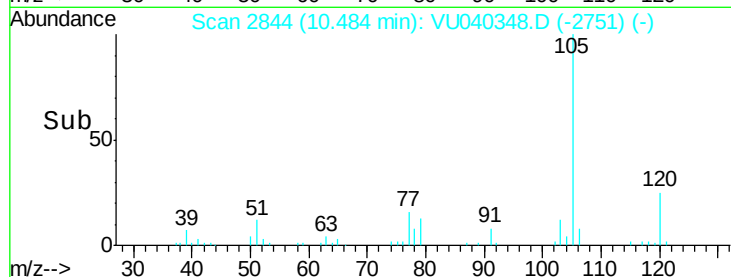
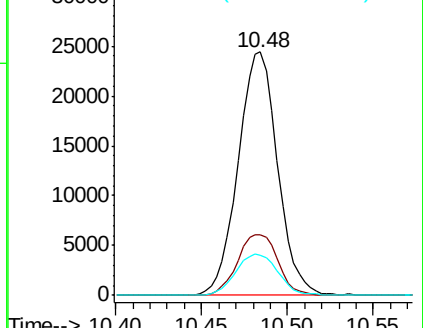
77 17.9 14.3 21.5



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: 0.964 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

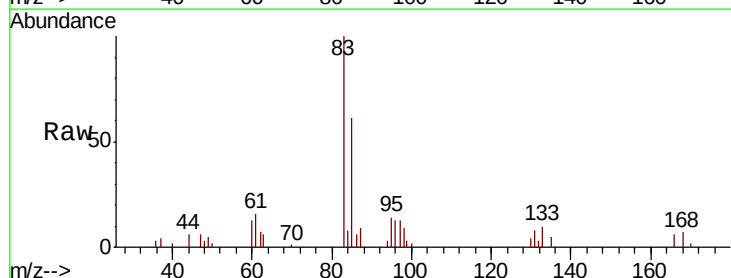
Tgt Ion: 83 Resp: 11467

Ion Ratio Lower Upper

83 100

85 60.7 45.1 83.9

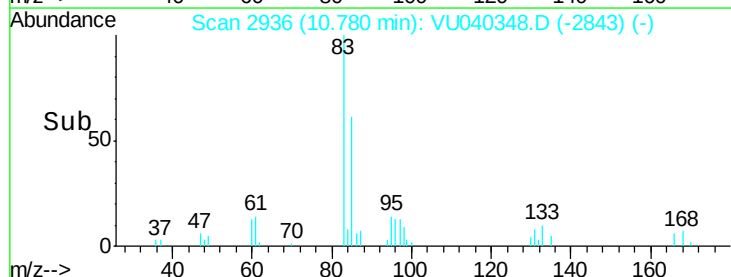
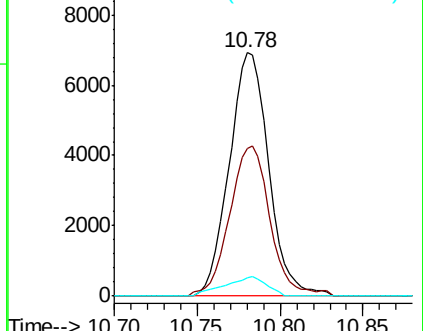
131 7.7 6.6 10.0

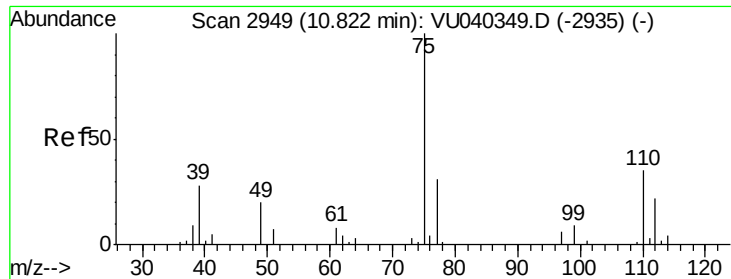


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.925 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

Instrument :

MSVOA_U

ClientSampleId :

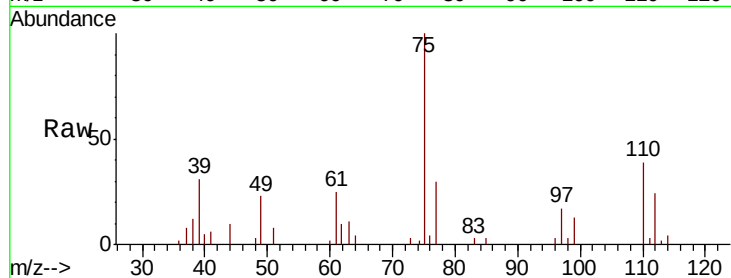
VSTD00105

Tot Ion: 75 Resp: 8582

Ion Ratio Lower Upper

75 100

77 33.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040349.D (-2935) (-)

Ion 77.00 (76.70 to 77.70): VU040349.D (-2935) (-)

10.82

6000

5000

4000

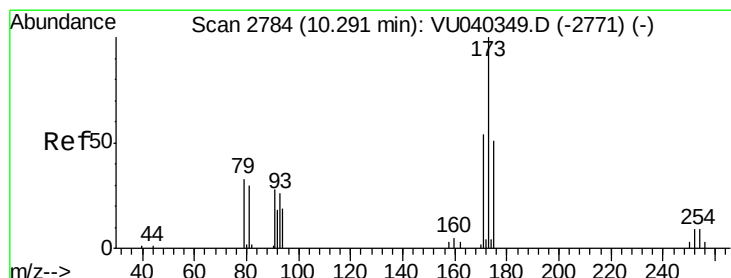
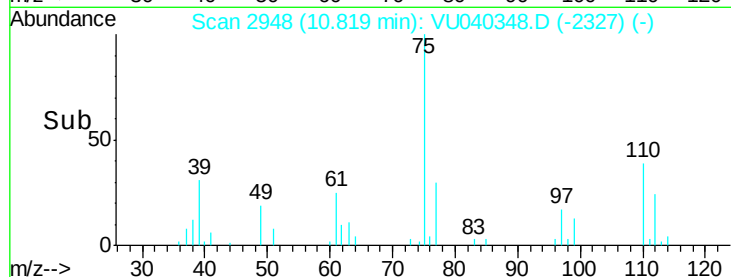
3000

2000

1000

0

Time--> 10.75 10.80 10.85



#61

Bromoform

Concen: 0.888 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

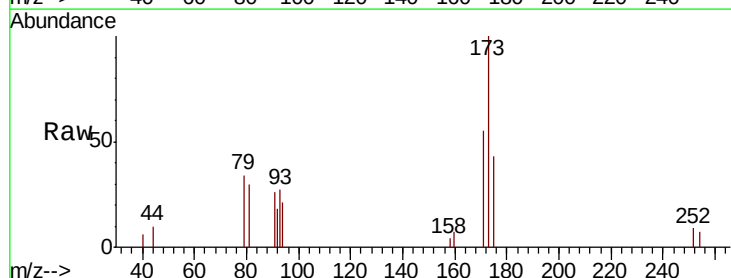
Tgt Ion: 173 Resp: 5193

Ion Ratio Lower Upper

173 100

175 45.2 39.6 59.4

254 6.5 7.0 10.4#



Abundance Ion 172.90 (172.60 to 173.60): VU040349.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040349.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040349.D (-2771) (-)

10.29

4000

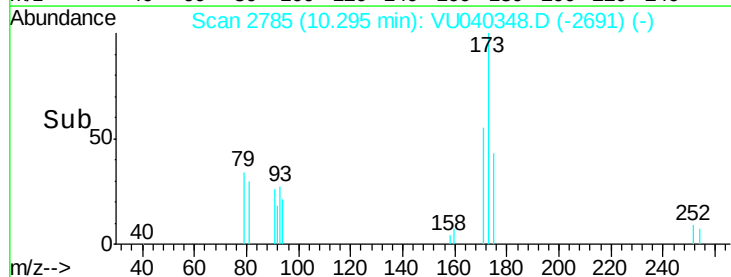
3000

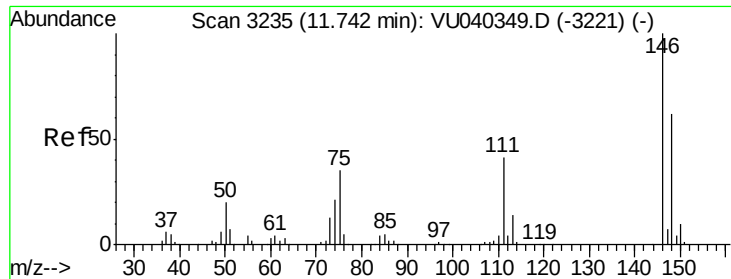
2000

1000

0

Time--> 10.25 10.30

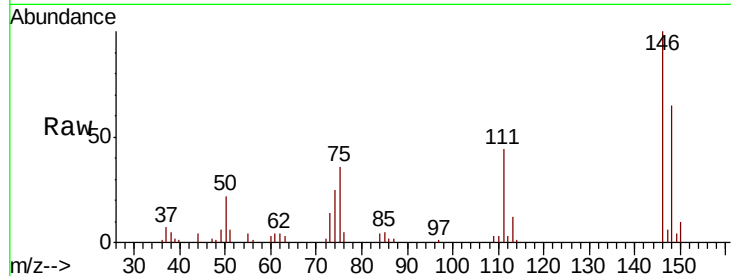




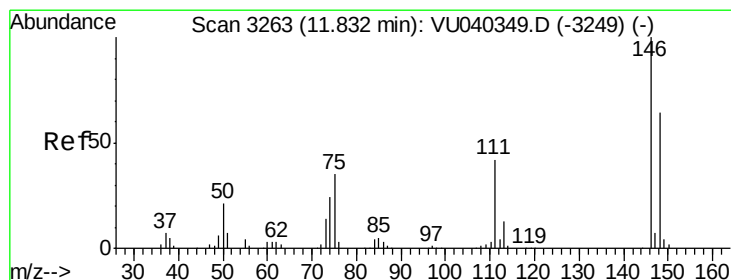
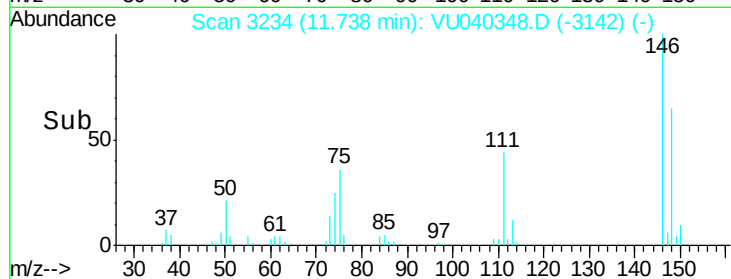
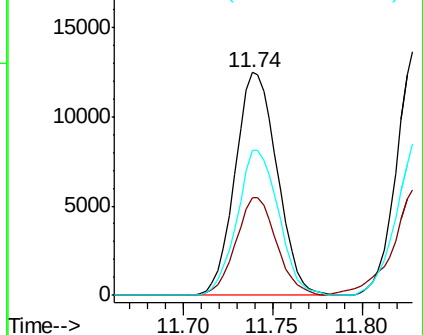
#62
 1,3-Dichlorobenzene
 Concen: 0.872 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tot Ion:146 Resp: 20516
 Ion Ratio Lower Upper
 146 100
 111 43.9 28.6 53.0
 148 65.1 43.4 80.6

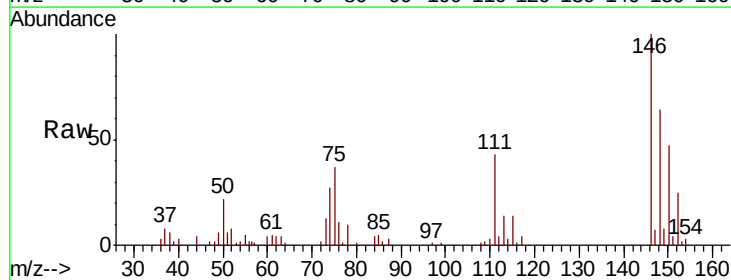


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

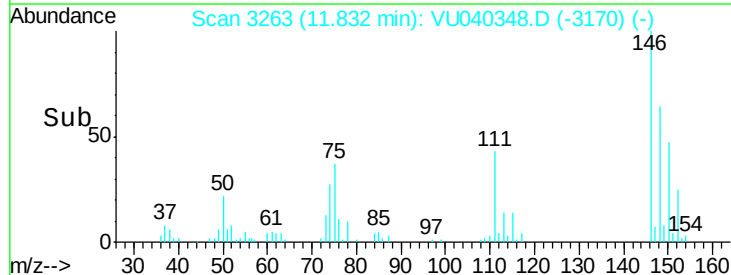
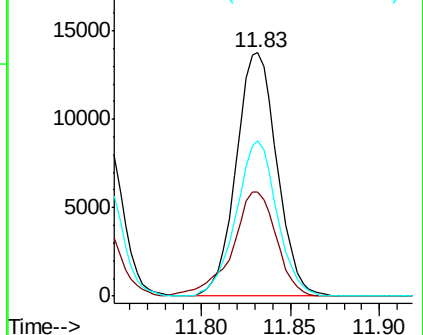


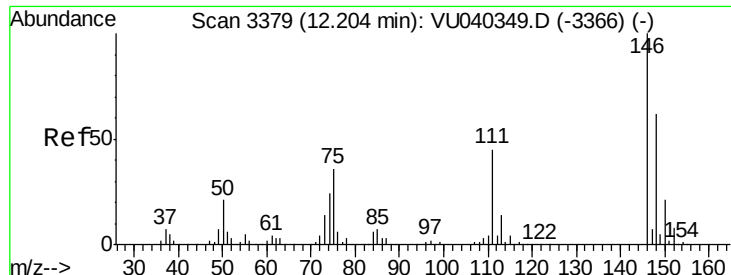
#63
 1,4-Dichlorobenzene
 Concen: 0.926 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

Tgt Ion:146 Resp: 21977
 Ion Ratio Lower Upper
 146 100
 111 42.6 29.2 54.2
 148 63.9 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: 0.898 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

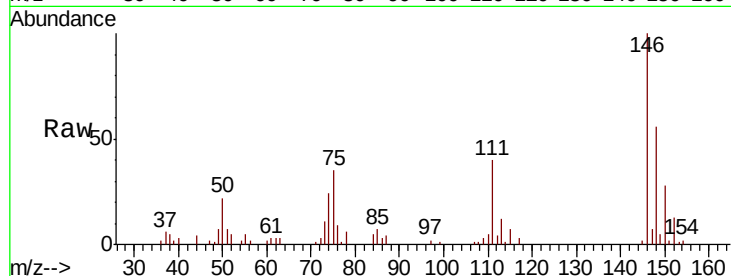
Tot Ion:146 Resp: 20402

Ion Ratio Lower Upper

146 100

111 40.3 35.6 53.4

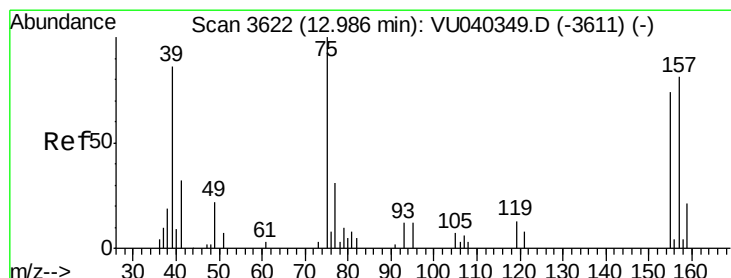
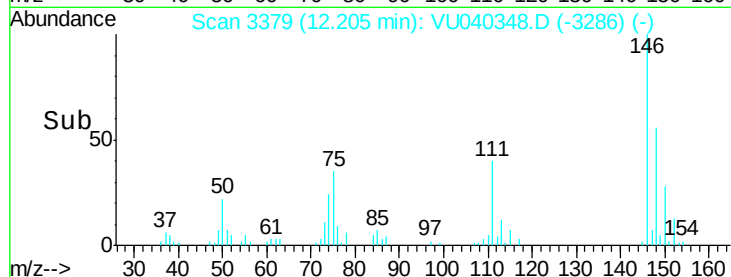
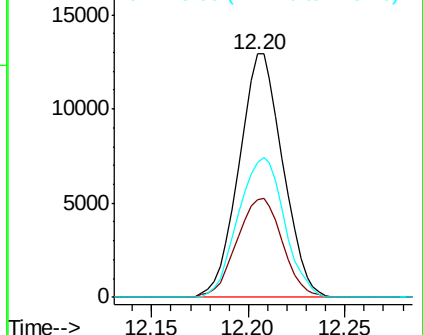
148 55.6 49.8 74.6



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: 0.731 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

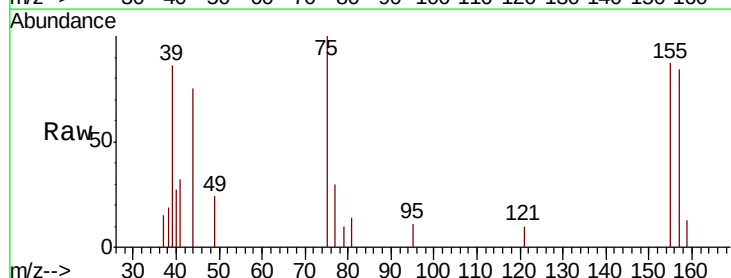
Tgt Ion: 75 Resp: 1696

Ion Ratio Lower Upper

75 100

155 87.3 59.4 89.2

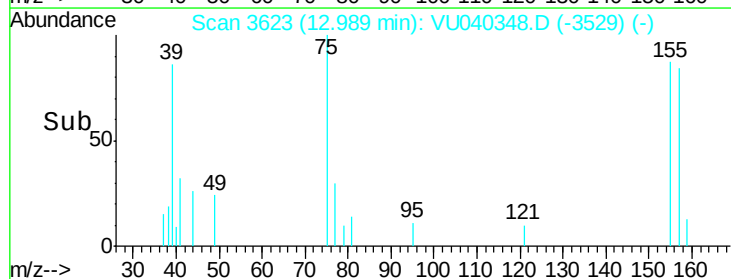
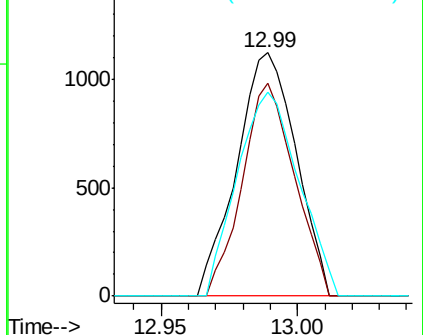
157 83.6 65.0 97.4

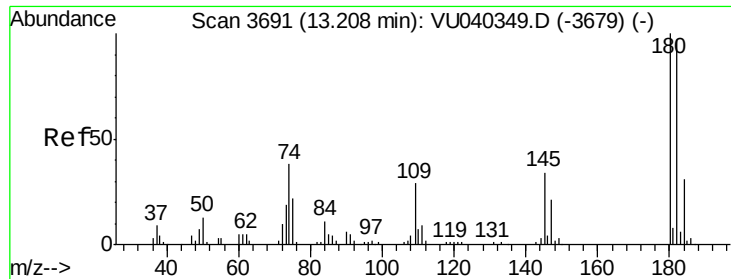


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

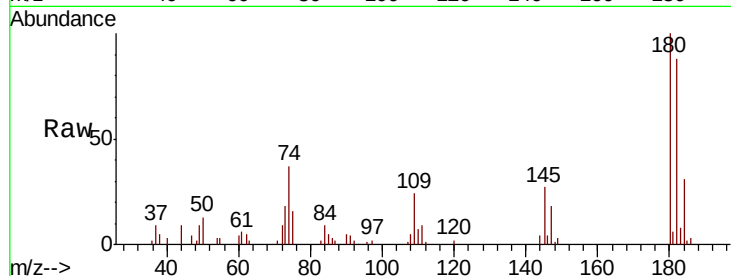




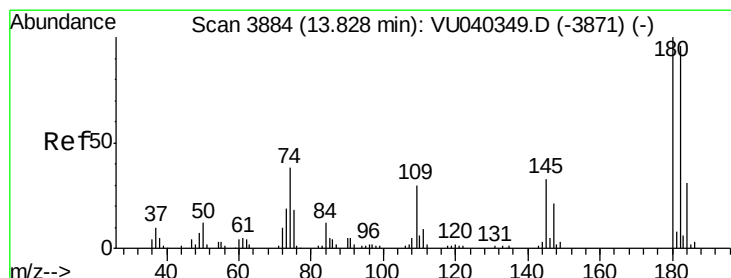
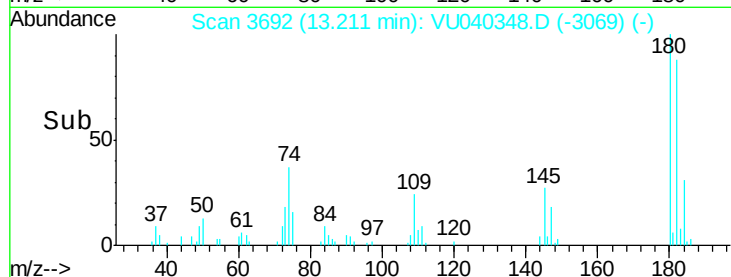
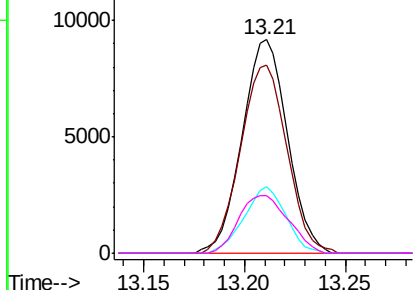
#67
 1,3,5-Trichlorobenzene
 Concen: 0.876 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00105

Tot Ion:180 Resp: 14431
 Ion Ratio Lower Upper
 180 100
 182 90.3 76.5 114.7
 184 28.8 24.6 37.0
 145 29.6 25.8 38.8

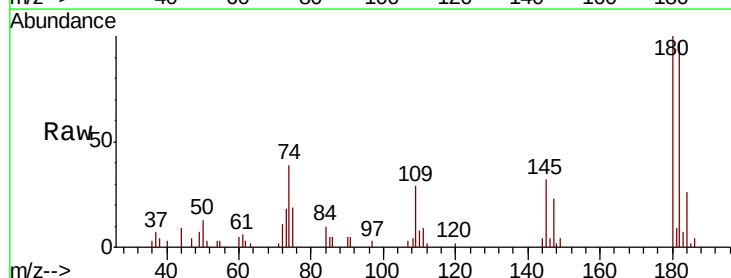


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

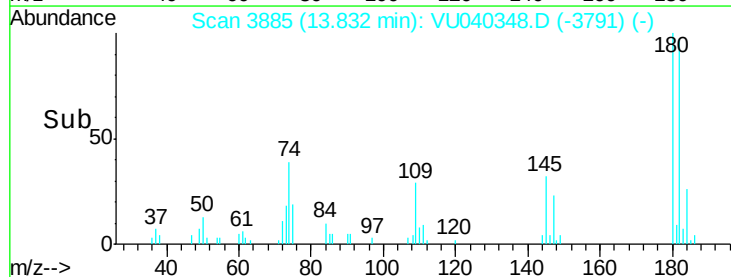
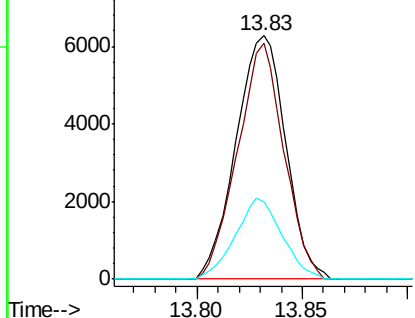


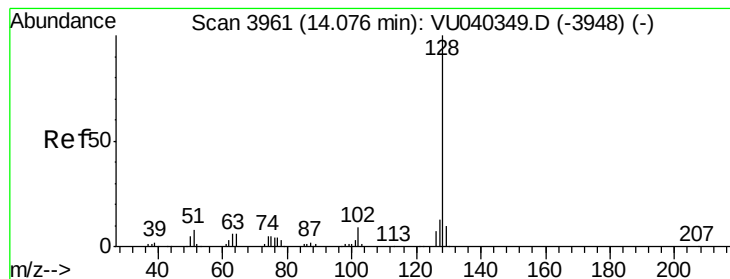
#68
 1,2,4-trichlorobenzene
 Concen: 0.734 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040348.D
 Acq: 29 Sep 2020 09:44

Tgt Ion:180 Resp: 10262
 Ion Ratio Lower Upper
 180 100
 182 90.3 76.6 115.0
 145 31.3 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: 0.500 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00105

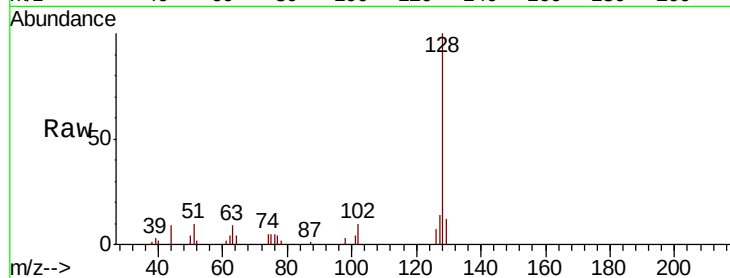
Tot Ion:128 Resp: 13990

Ion Ratio Lower Upper

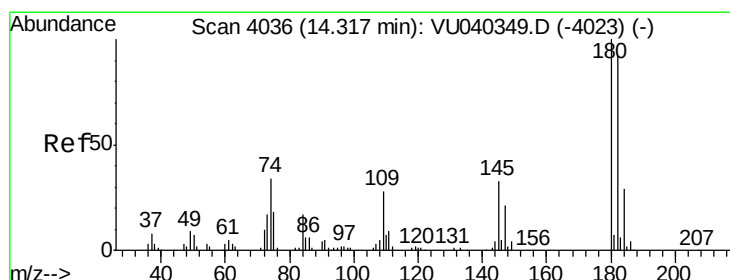
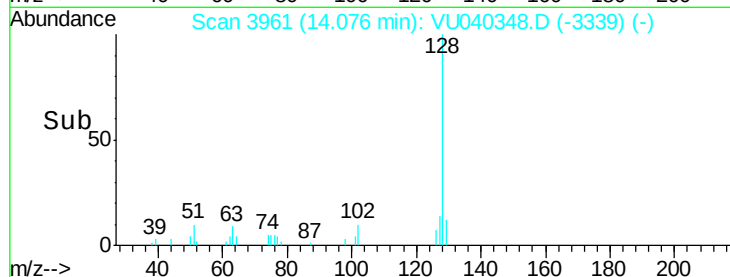
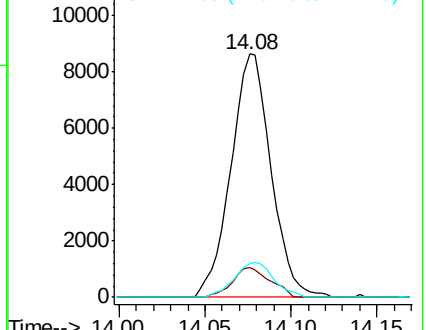
128 100

129 11.5 8.2 12.4

127 14.1 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: 0.723 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040348.D

Acq: 29 Sep 2020 09:44

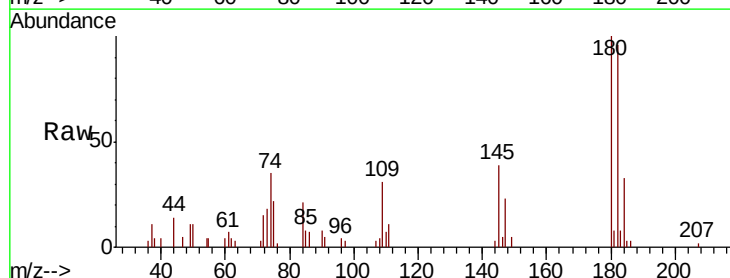
Tgt Ion:180 Resp: 9314

Ion Ratio Lower Upper

180 100

182 94.3 76.6 115.0

145 35.5 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

