

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U103020\
 Data File : VU041040.D
 Acq On : 30 Oct 2020 15:20
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Quant Time: Oct 31 00:02:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 30 23:53:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	56606	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57008	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	29512	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23227	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.92	69	17369	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.58	63	45360	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	4.64	46	87731	56.02	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.04%
24) Chloroform-d	5.08	84	43189	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.71	65	26936	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.74	84	79459	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.70	67	26566	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.90	98	73310	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	8.18	79	12136	5.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.80%
46) 2-Hexanone-d5	8.64	63	65917	56.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25466	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	26847	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	25977	5.027 ug/L	100
3) Chloromethane	1.53	50	27217	5.051 ug/L	99
5) Vinyl chloride	1.61	62	27425	5.159 ug/L	96
6) Bromomethane	1.86	94	14141	4.641 ug/L	99
8) Chloroethane	1.94	64	15646	4.645 ug/L	98
9) Trichlorofluoromethane	2.15	101	37003	5.121 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	22854	5.397 ug/L	97
12) 1,1-Dichloroethene	2.59	96	19879	4.972 ug/L	92
13) Acetone	2.65	43	63986	59.763 ug/L #	59
14) Carbon disulfide	2.81	76	64129	4.799 ug/L	100
15) Methyl Acetate	2.96	43	14695	5.998 ug/L	93
16) Methylene chloride	3.06	84	24380	5.233 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	55222	5.366 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	20216	4.975 ug/L	97
19) 1,1-Dichloroethane	3.89	63	43668	5.375 ug/L	99
21) 2-Butanone	4.72	43	99187	59.274 ug/L	100
22) cis-1,2-Dichloroethene	4.68	96	23112	5.514 ug/L	99

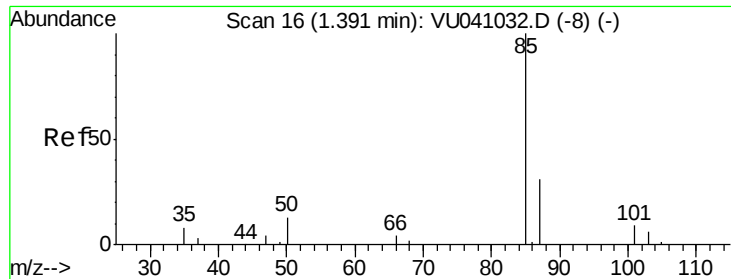
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU103020\
 Data File : VU041040.D
 Acq On : 30 Oct 2020 15:20
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Quant Time: Oct 31 00:02:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 30 23:53:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	11284	5.706	ug/L	96
25) Chloroform	5.10	83	44733	5.491	ug/L	100
27) 1,2-Dichloroethane	5.81	62	33499	5.521	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	37682	5.405	ug/L	96
30) Cyclohexane	5.40	56	34984	5.093	ug/L	98
31) Carbon tetrachloride	5.54	117	32328	5.236	ug/L	98
33) Benzene	5.79	78	91248	5.357	ug/L	100
34) Trichloroethene	6.55	95	23359	5.388	ug/L	97
35) Methylcyclohexane	6.77	83	33025	5.107	ug/L	98
37) 1,2-Dichloropropane	6.80	63	25641	5.563	ug/L	98
38) Bromodichloromethane	7.11	83	32222	5.389	ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	33859	5.335	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	225754	61.430	ug/L	98
42) Toluene	7.97	91	95334	5.519	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	33188	5.588	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	19443	5.667	ug/L	95
47) Tetrachloroethene	8.56	164	16506	5.178	ug/L	98
48) 2-Hexanone	8.69	43	173356	62.648	ug/L	98
49) Dibromochloromethane	8.81	129	22036	5.530	ug/L	96
50) 1,2-Dibromoethane	8.93	107	18042	5.518	ug/L	96
51) Chlorobenzene	9.45	112	59474	5.430	ug/L	99
52) Ethylbenzene	9.57	91	97494	5.362	ug/L	100
53) m,p-Xylene	9.69	106	36613	5.522	ug/L	95
54) o-Xylene	10.10	106	35240	5.706	ug/L	98
55) Styrene	10.11	104	63080	5.733	ug/L	100
56) Isopropylbenzene	10.48	105	94750	5.706	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	25700	5.703	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	19862	5.782	ug/L	100
61) Bromoform	10.29	173	12443	5.471	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	47713	5.601	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	49063	5.561	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	46712	5.557	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4428	5.374	ug/L	90
67) 1,3,5-Trichlorobenzene	13.21	180	32744	5.496	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	26914	5.453	ug/L	99
69) Naphthalene	14.08	128	46329	5.249	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	25739	5.658	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.027 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

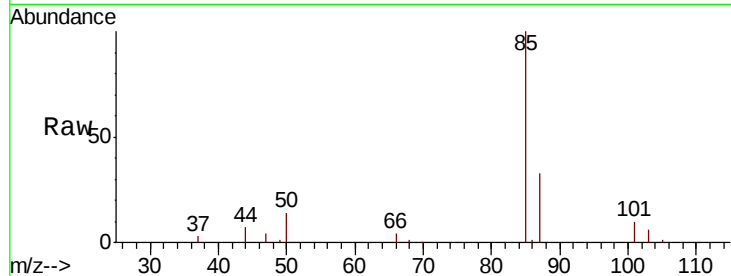
VSTD00510

Tot Ion: 85 Resp: 25977

Ion Ratio Lower Upper

85 100

87 32.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU041032.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU041032.D (-8) (-)

1.39

25000

20000

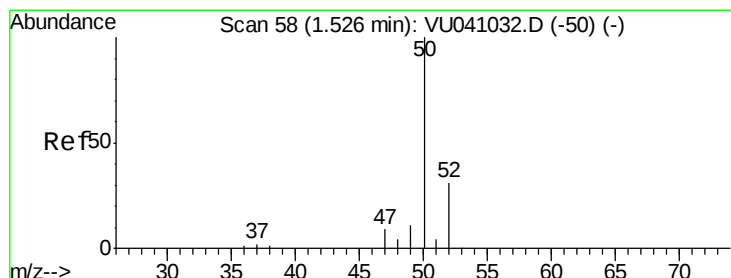
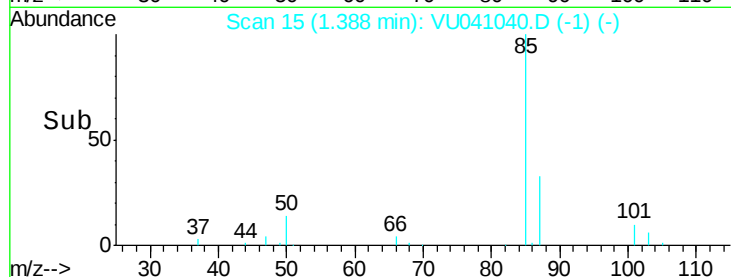
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 5.051 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041040.D

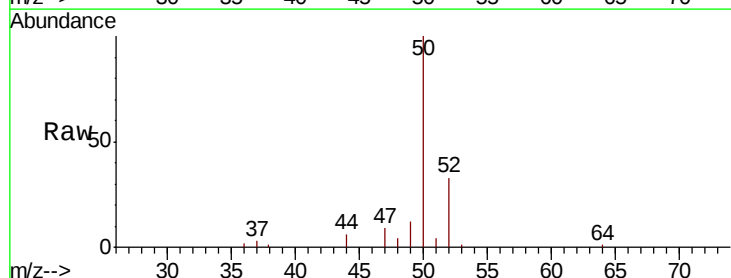
Acq: 30 Oct 2020 15:20

Tgt Ion: 50 Resp: 27217

Ion Ratio Lower Upper

50 100

52 32.6 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041032.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU041032.D (-50) (-)

1.53

25000

20000

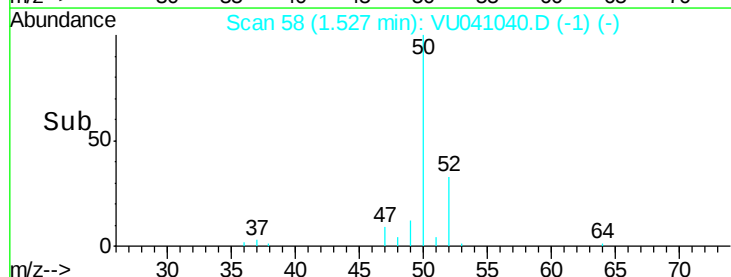
15000

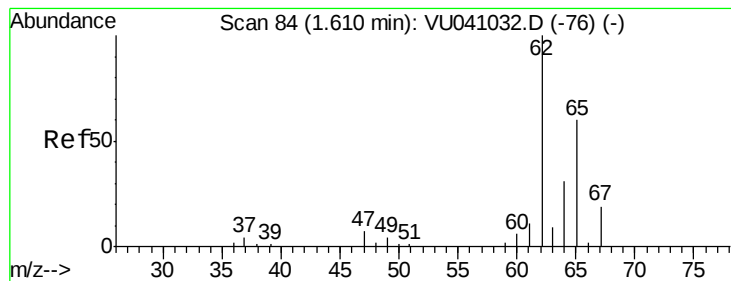
10000

5000

0

Time-->





#5

Vinyl chloride

Concen: 5.159 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

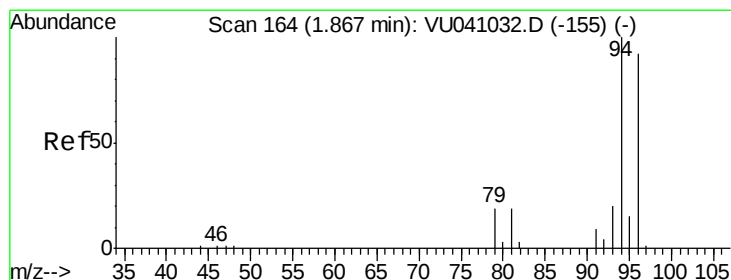
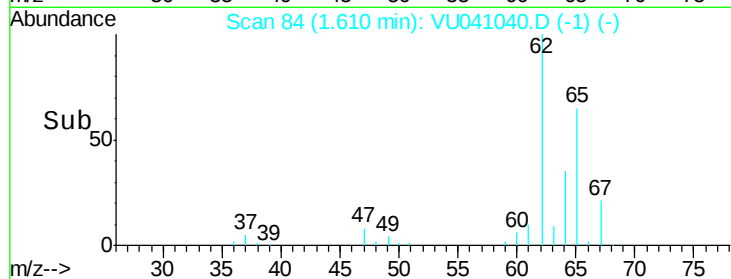
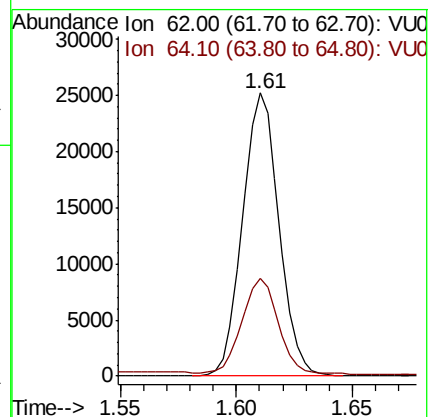
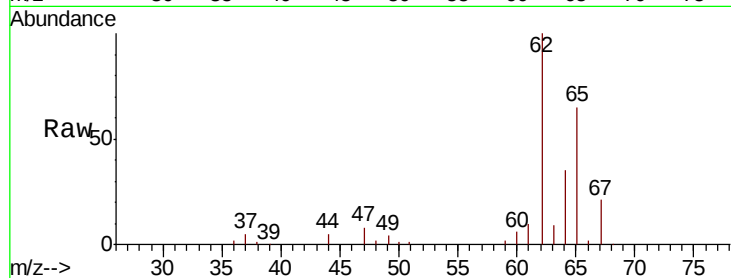
VSTD00510

Tot Ion: 62 Resp: 27425

Ion Ratio Lower Upper

62 100

64 34.5 22.7 42.3



#6

Bromomethane

Concen: 4.641 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041040.D

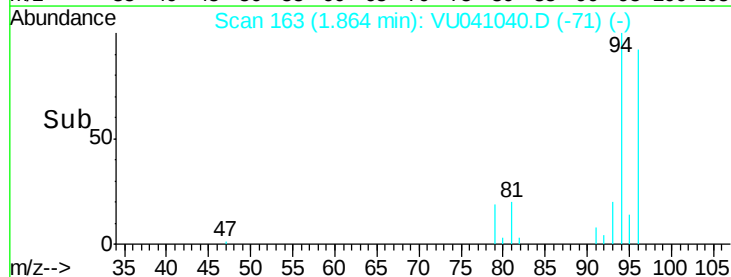
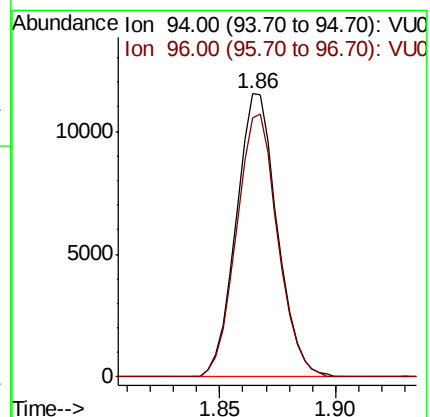
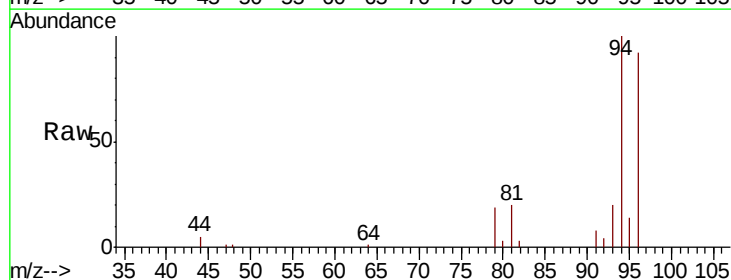
Acq: 30 Oct 2020 15:20

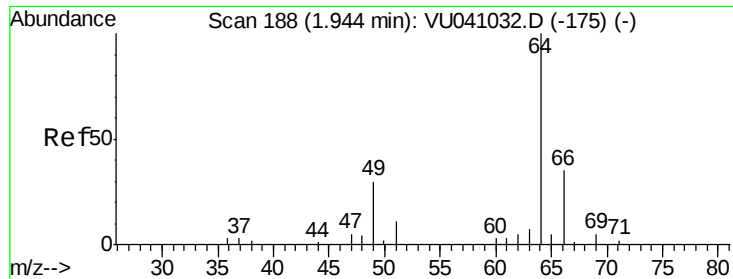
Tgt Ion: 94 Resp: 14141

Ion Ratio Lower Upper

94 100

96 91.7 63.5 117.9

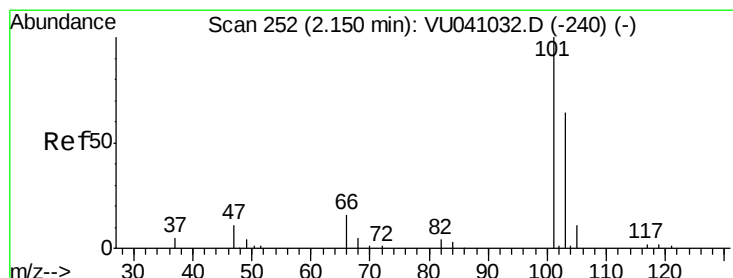
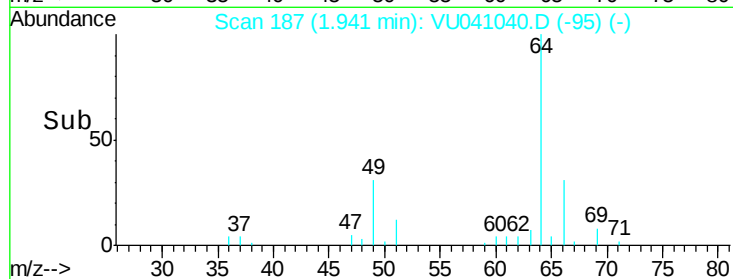
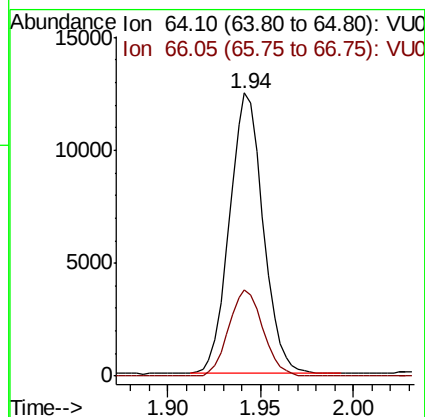
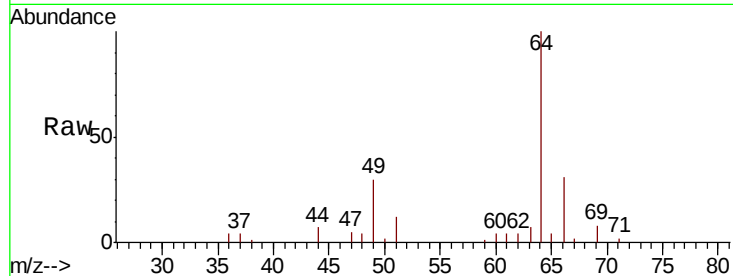




#8
Chloroethane
Concen: 4.645 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20

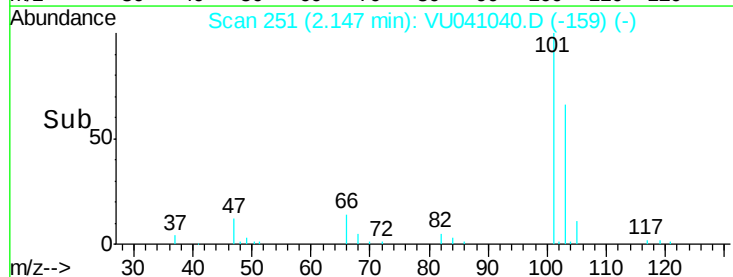
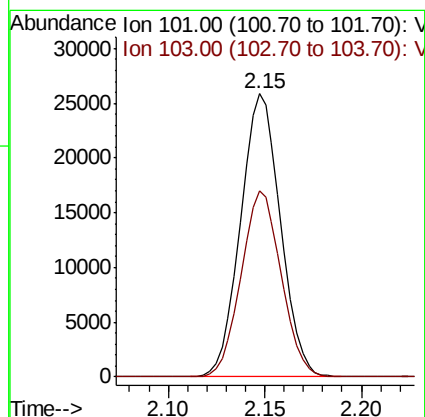
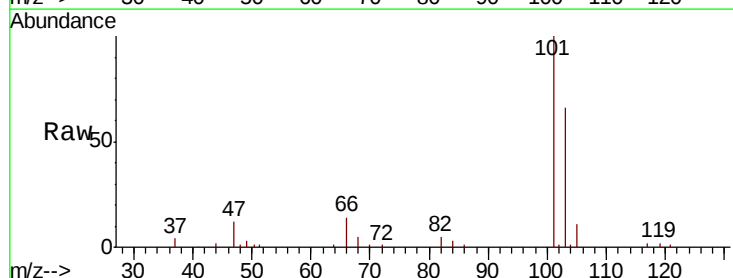
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

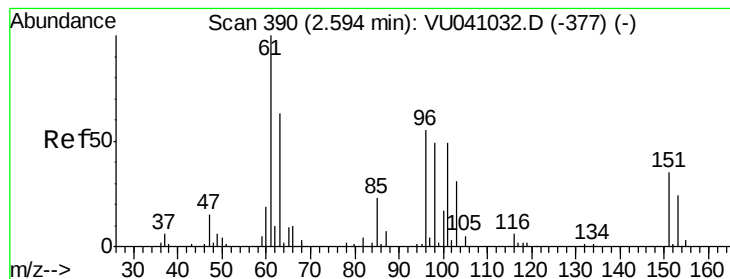
Tot Ion: 64 Resp: 15646
Ion Ratio Lower Upper
64 100
66 30.6 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.121 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20

Tgt Ion: 101 Resp: 37003
Ion Ratio Lower Upper
101 100
103 65.9 51.0 76.4





#10

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

Concen: 5.397 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

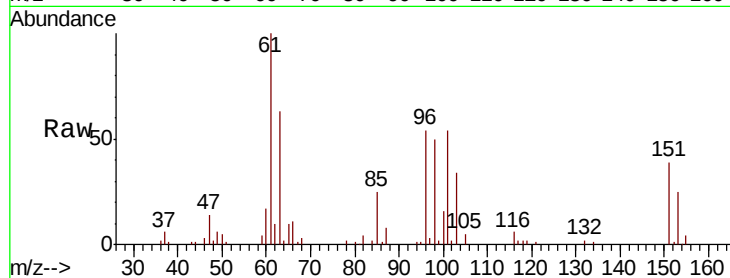
Tot Ion:101 Resp: 22854

Ion Ratio Lower Upper

101 100

85 45.8 35.0 52.4

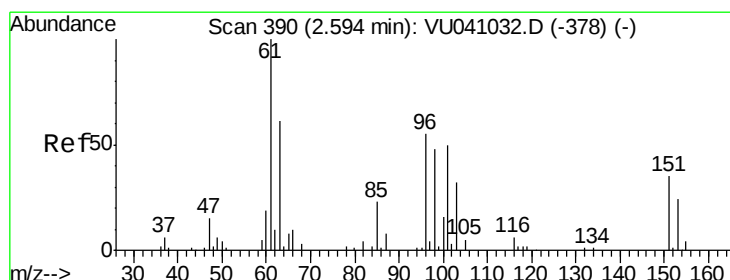
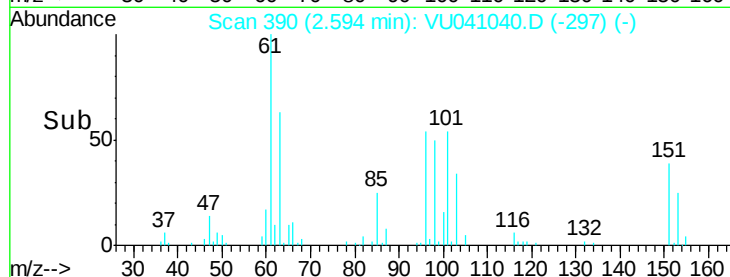
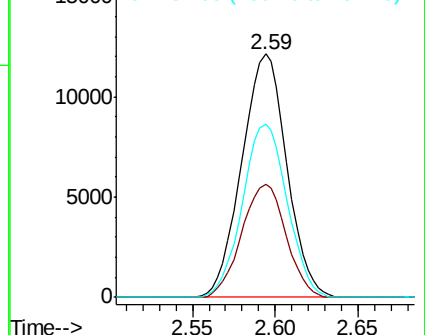
151 70.9 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.972 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

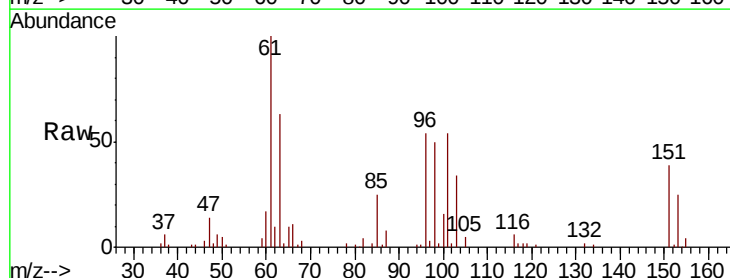
Tgt Ion: 96 Resp: 19879

Ion Ratio Lower Upper

96 100

61 186.8 134.3 249.5

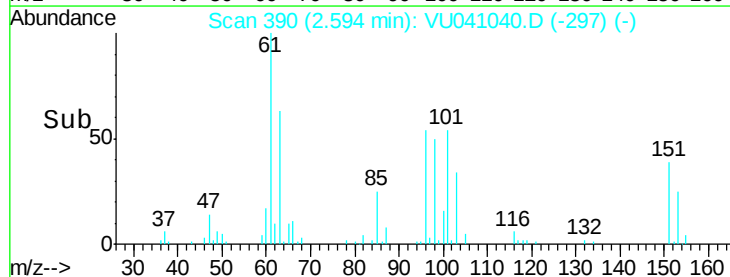
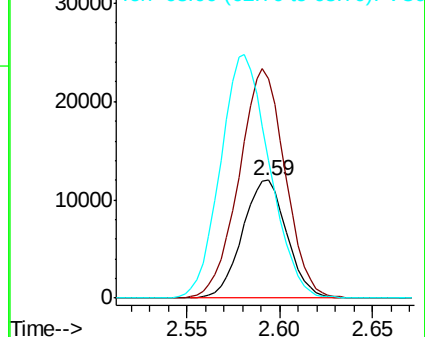
63 117.1 95.0 176.4

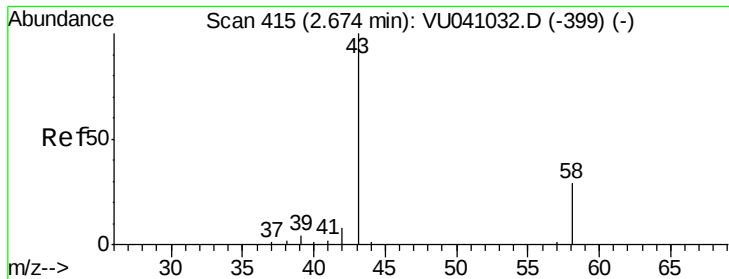


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 59.763 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.03 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

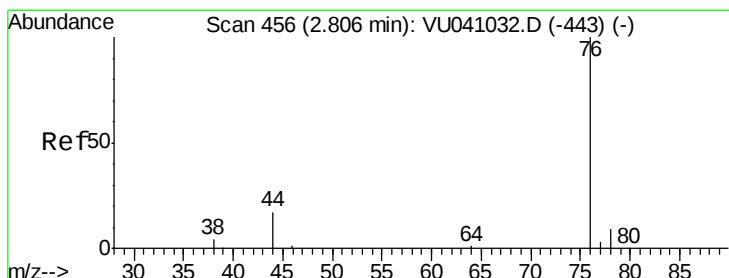
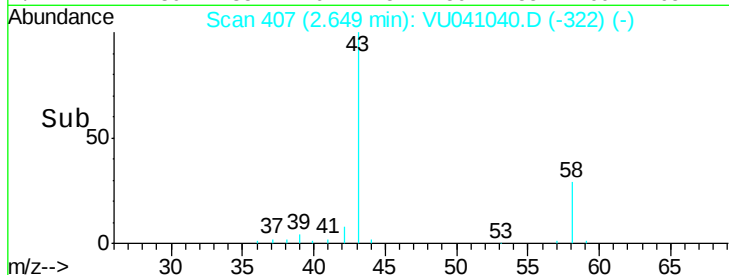
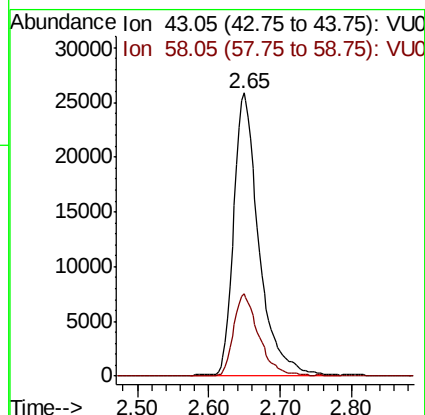
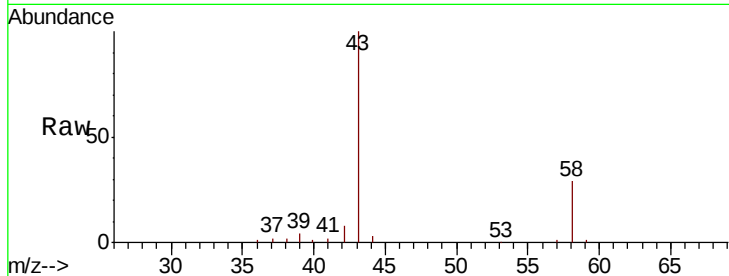
VSTD00510

Tot Ion: 43 Resp: 63986

Ion Ratio Lower Upper

43 100

58 29.0 0.0 25.4#



#14

Carbon disulfide

Concen: 4.799 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041040.D

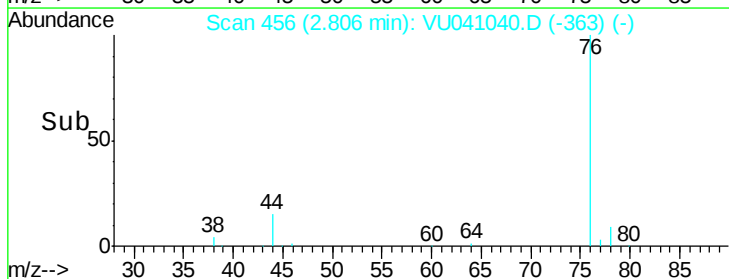
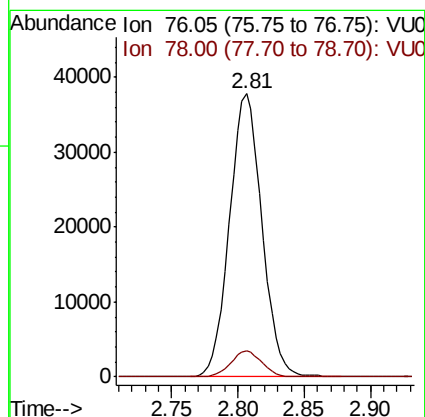
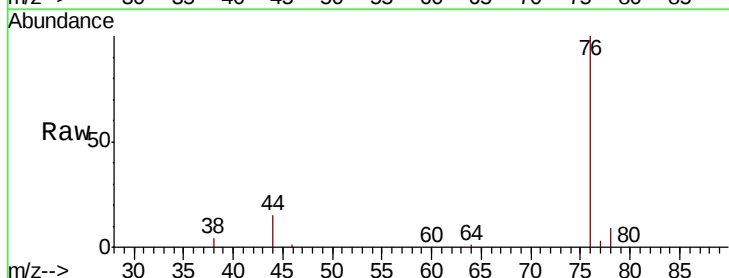
Acq: 30 Oct 2020 15:20

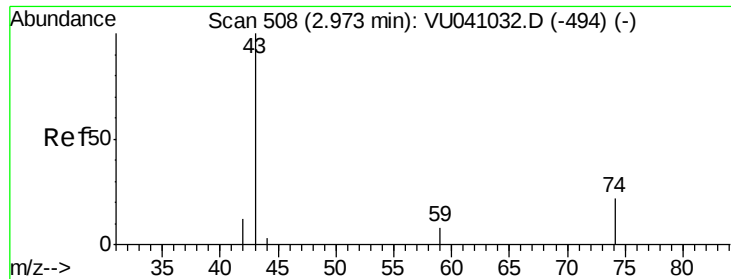
Tgt Ion: 76 Resp: 64129

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

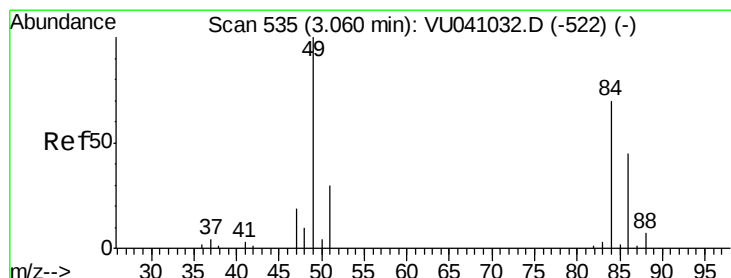
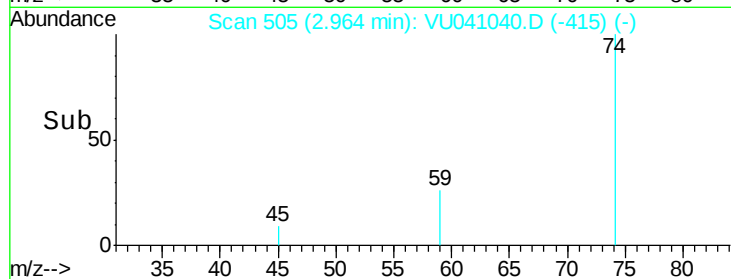
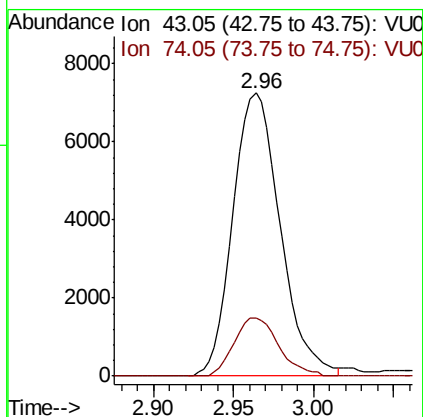
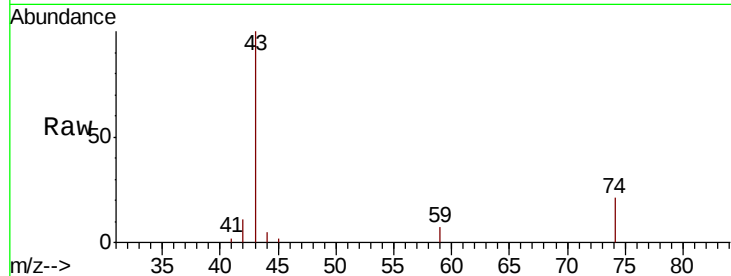




#15
Methvl Acetate
Concen: 5.998 ug/L
RT: 2.96 min Scan# 505
Delta R.T. -0.01 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20

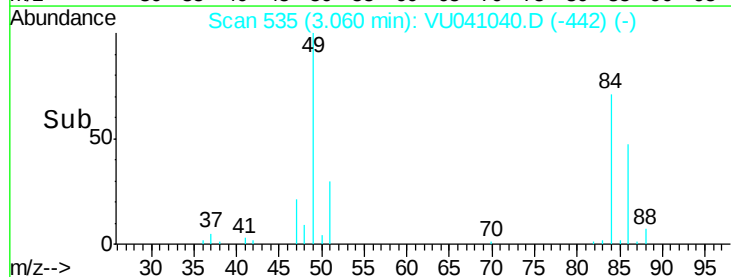
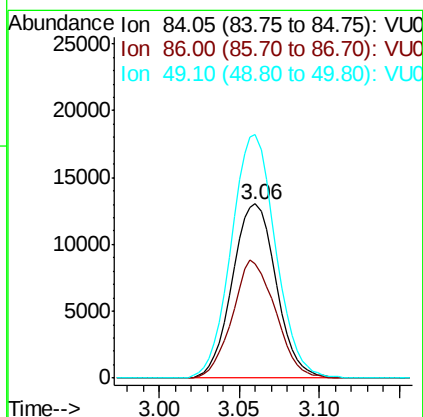
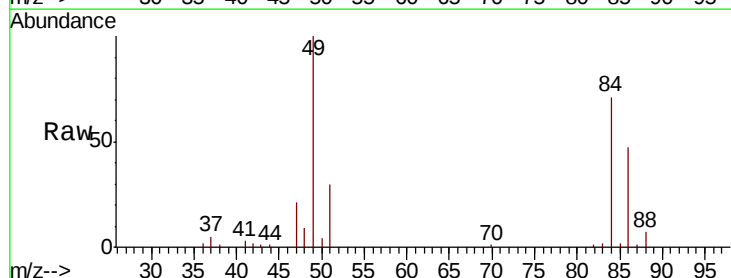
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

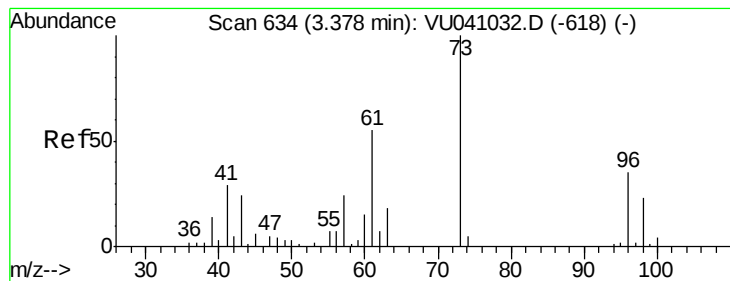
Tot Ion: 43 Resp: 14695
Ion Ratio Lower Upper
43 100
74 19.4 18.3 27.5



#16
Methylene chloride
Concen: 5.233 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20

Tgt Ion: 84 Resp: 24380
Ion Ratio Lower Upper
84 100
86 66.0 42.8 79.6
49 140.0 99.5 184.7



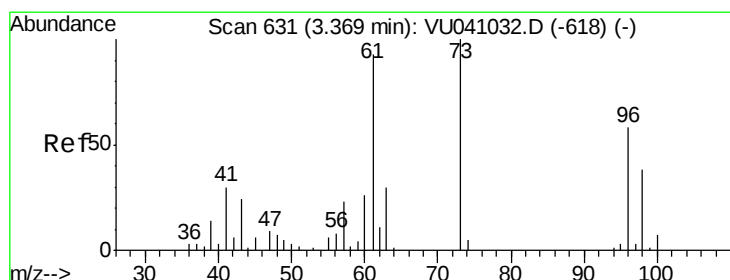
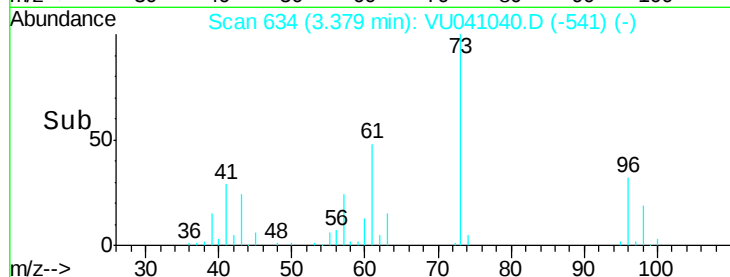
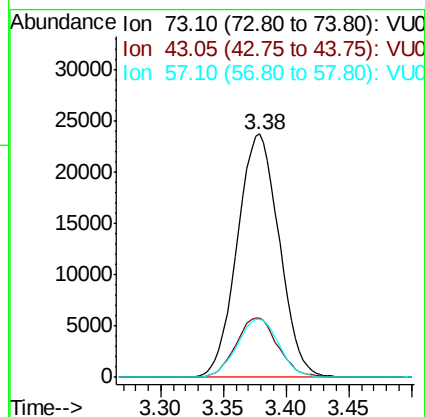
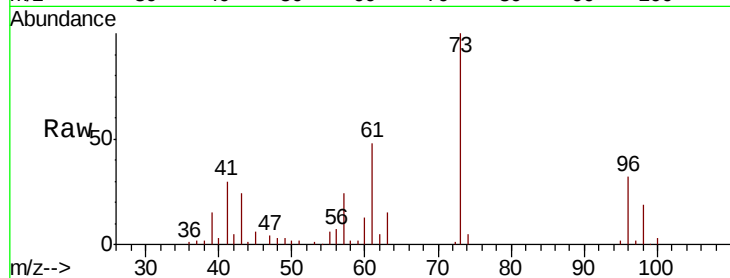


#17

Methvl tert-butvl Ether
 Concen: 5.366 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

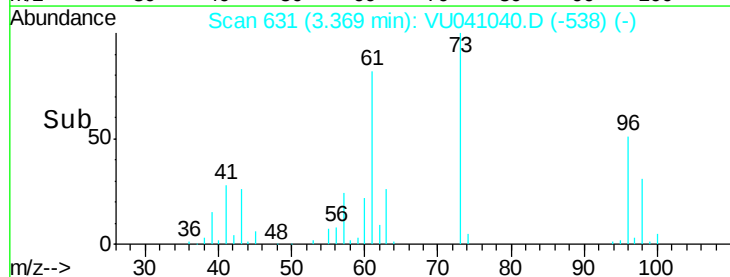
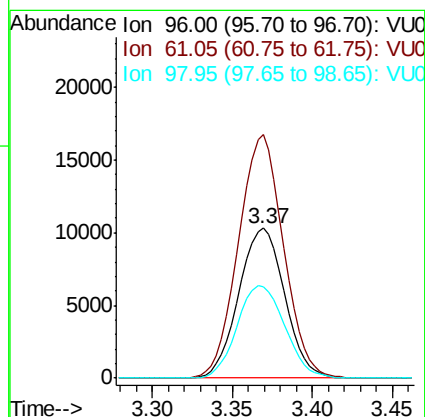
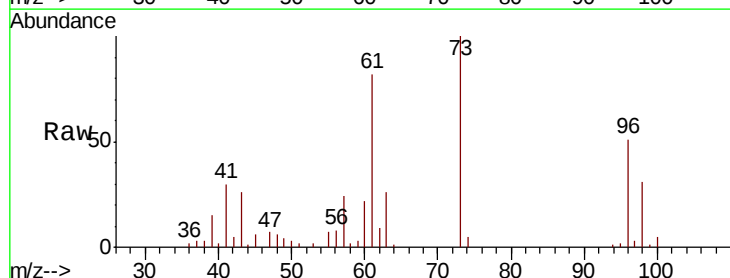
Tot Ion: 73 Resp: 55222
 Ion Ratio Lower Upper
 73 100
 43 24.2 18.5 27.7
 57 23.9 18.4 27.6

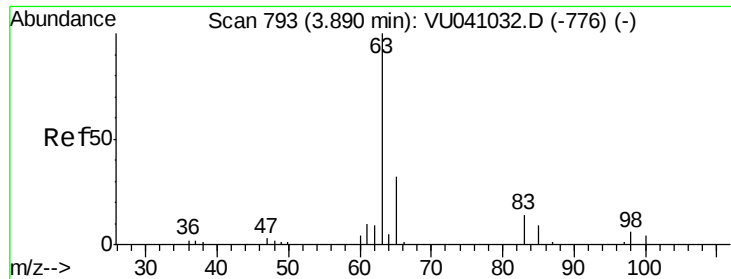


#18

trans-1,2-Dichloroethene
 Concen: 4.975 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

Tgt Ion: 96 Resp: 20216
 Ion Ratio Lower Upper
 96 100
 61 162.2 110.9 205.9
 98 60.9 45.4 84.2

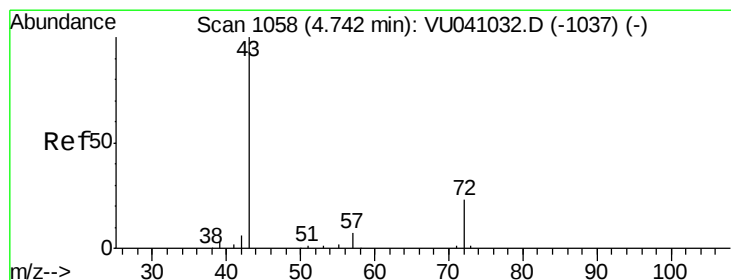
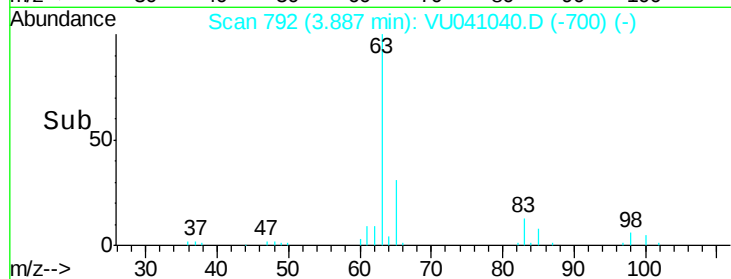
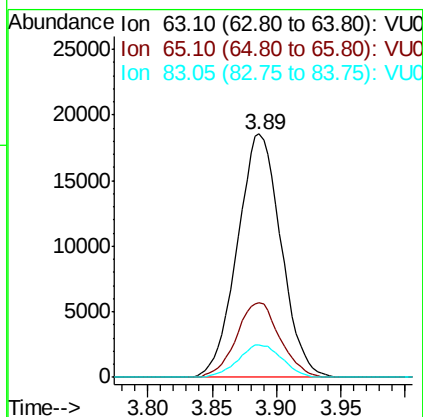
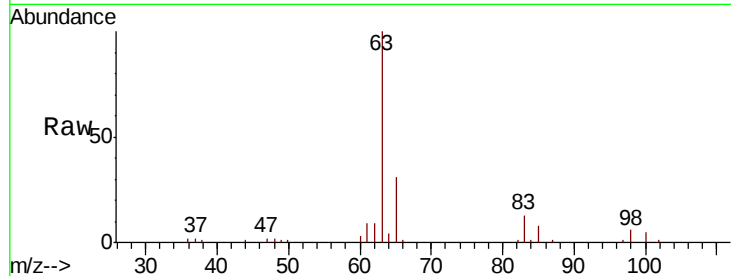




#19
 1,1-Dichloroethane
 Concen: 5.375 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

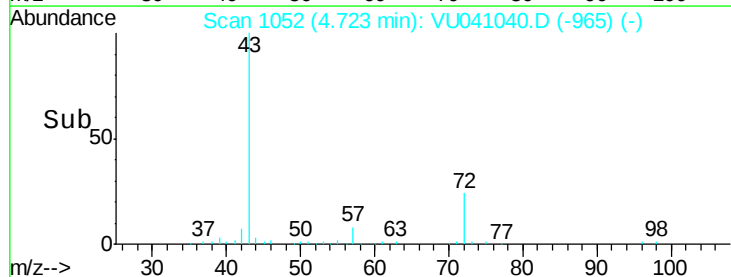
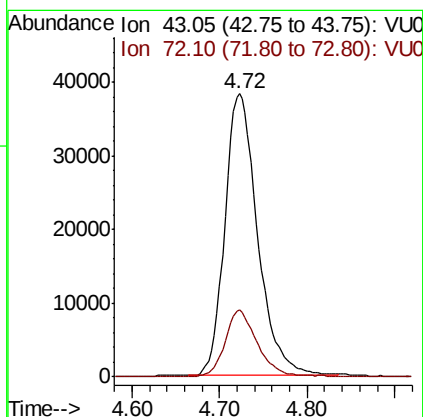
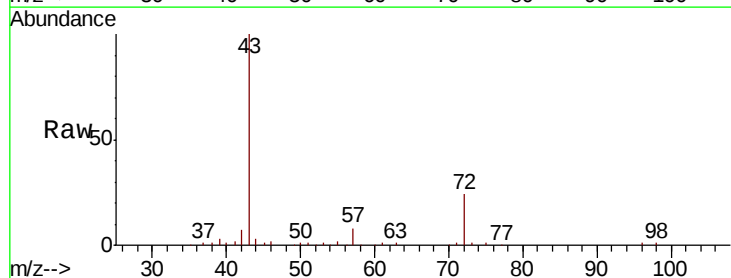
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

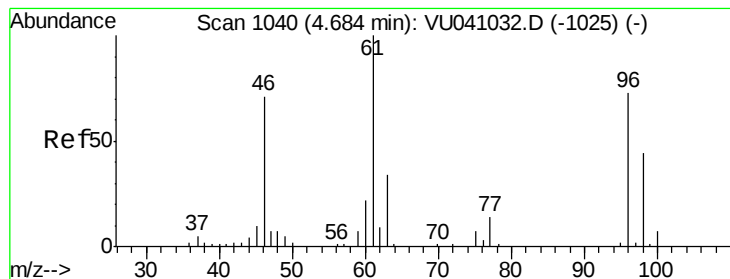
Tot Ion: 63 Resp: 43668
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.3 39.6
 83 13.2 8.8 16.3



#21
 2-Butanone
 Concen: 59.274 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

Tgt Ion: 43 Resp: 99187
 Ion Ratio Lower Upper
 43 100
 72 23.5 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 5.514 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

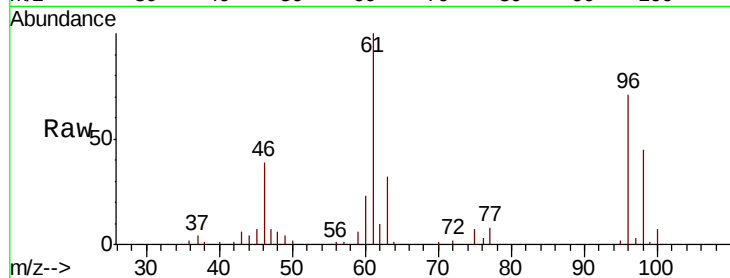
Tot Ion: 96 Resp: 23112

Ion Ratio Lower Upper

96 100

61 139.9 97.2 180.4

68 0.0 0.0 0.0

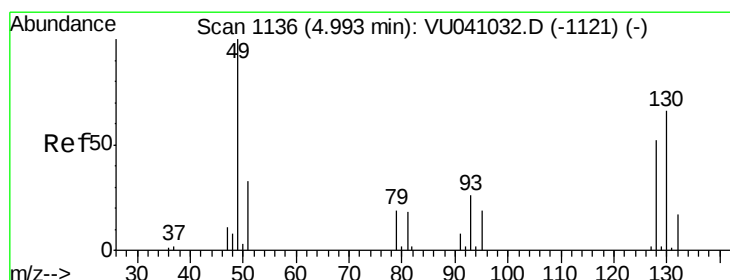
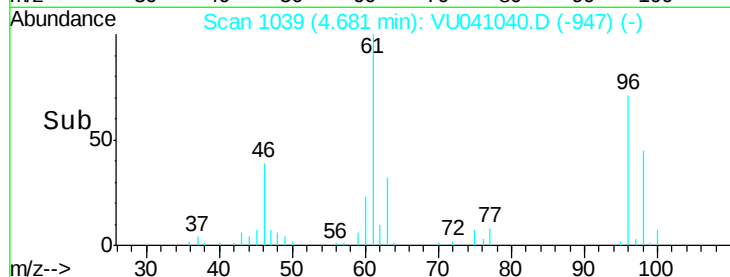
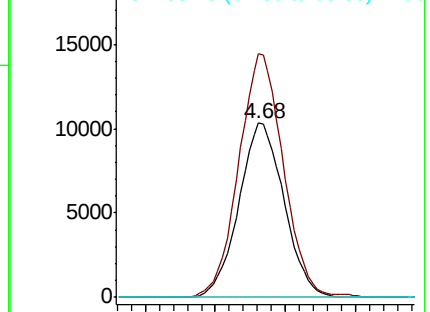


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.706 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

Tgt Ion: 128 Resp: 11284

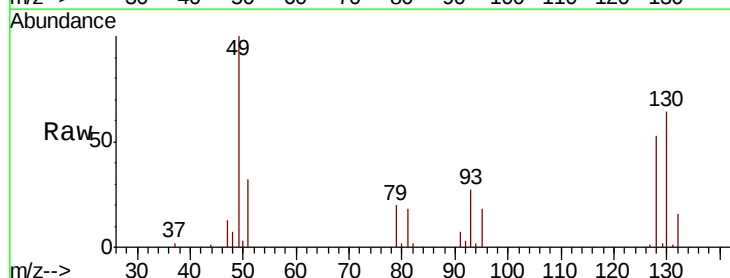
Ion Ratio Lower Upper

128 100

49 190.5 135.0 250.8

130 121.1 89.9 167.0

51 61.9 51.9 77.9



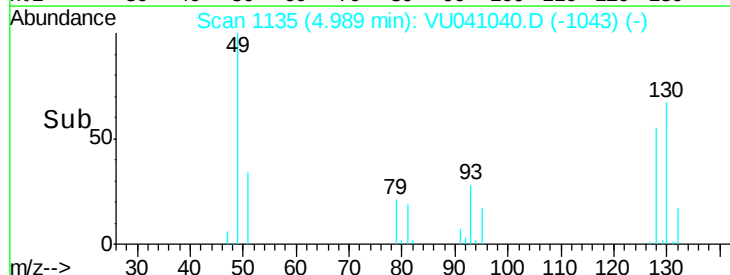
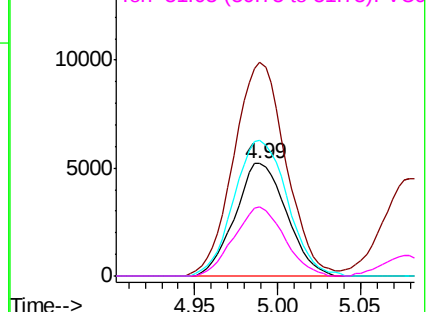
Abundance

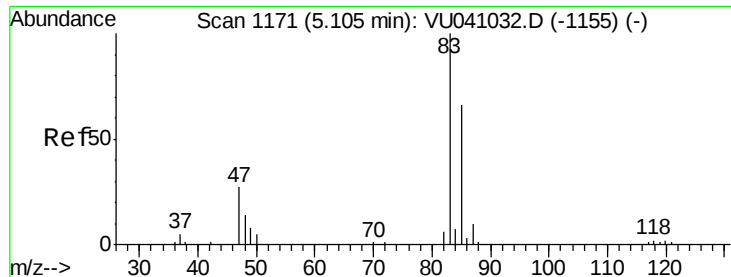
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

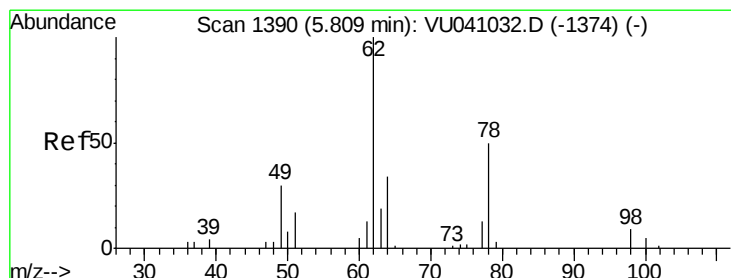
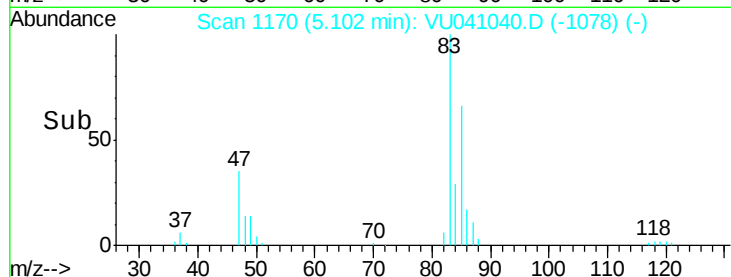
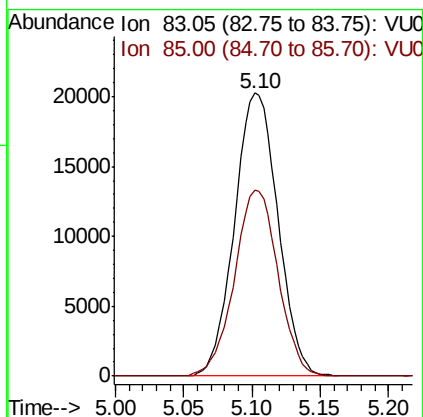
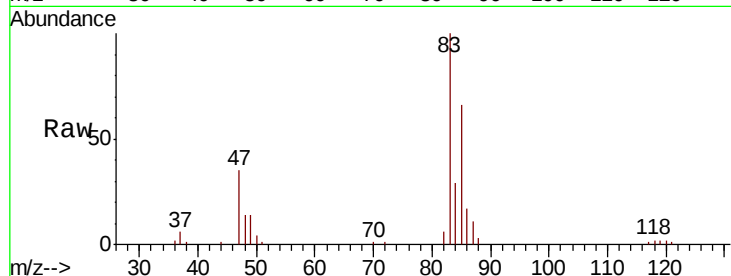




#25
Chloroform
Concen: 5.491 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20

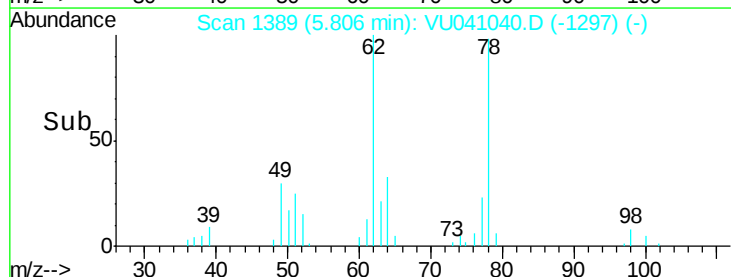
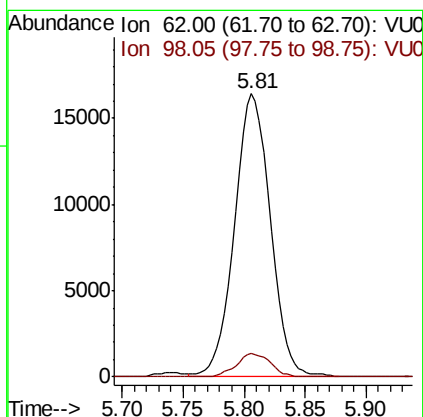
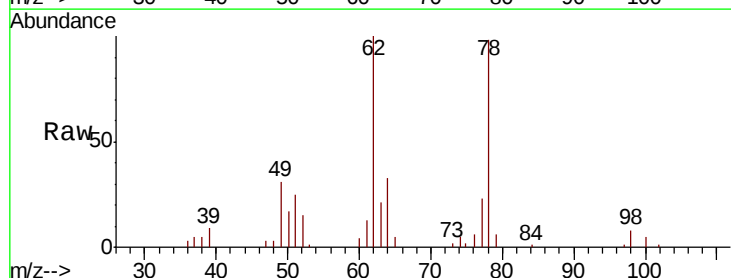
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

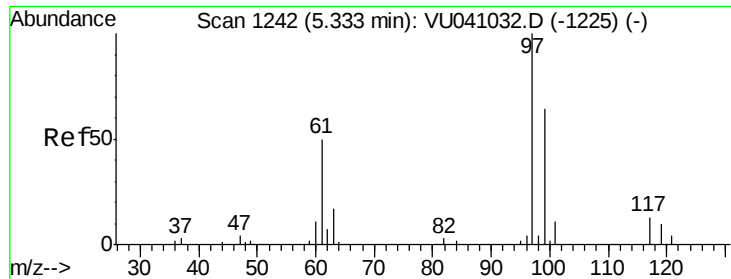
Tot Ion: 83 Resp: 44733
Ion Ratio Lower Upper
83 100
85 65.7 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.521 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20

Tgt Ion: 62 Resp: 33499
Ion Ratio Lower Upper
62 100
98 8.4 7.6 11.4

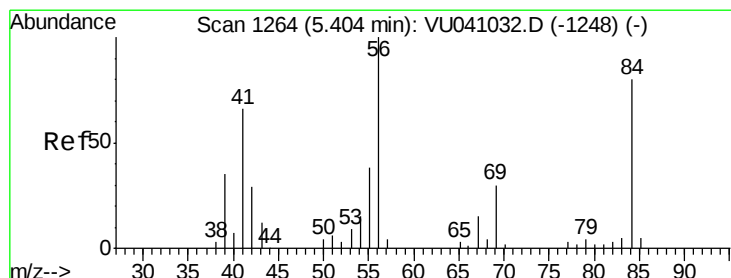
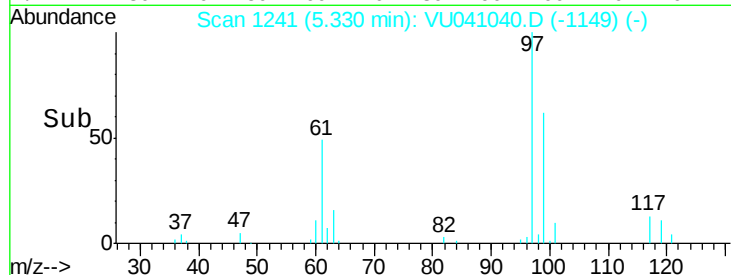
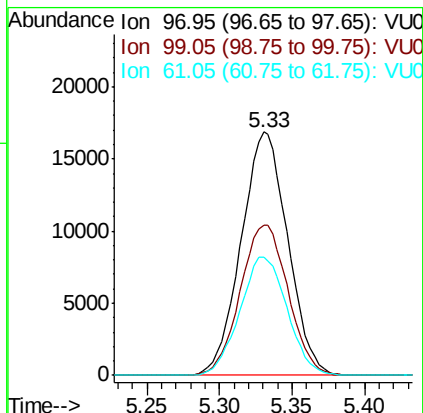
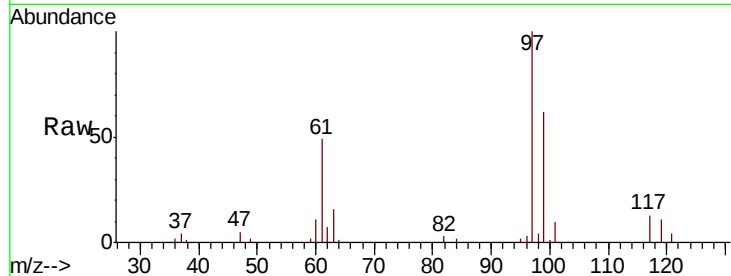




#29
 1,1,1-Trichloroethane
 Concen: 5.405 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

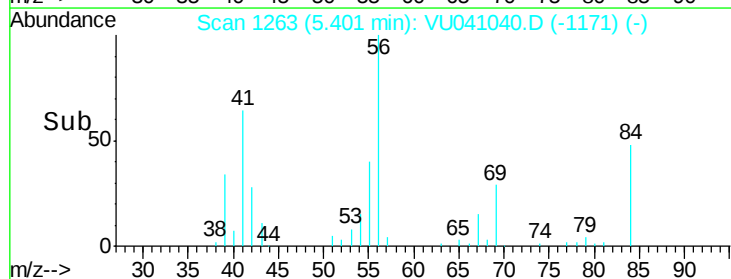
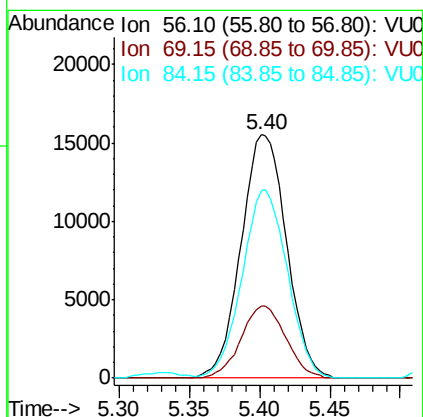
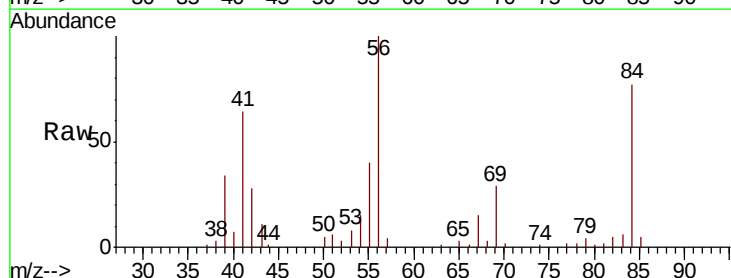
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

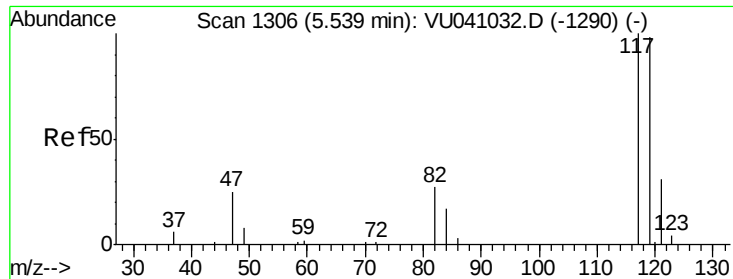
Tot Ion: 97 Resp: 37682
 Ion Ratio Lower Upper
 97 100
 99 63.6 53.4 80.0
 61 49.4 41.6 62.4



#30
 Cyclohexane
 Concen: 5.093 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

Tgt Ion: 56 Resp: 34984
 Ion Ratio Lower Upper
 56 100
 69 29.2 22.8 34.2
 84 77.0 63.6 95.4

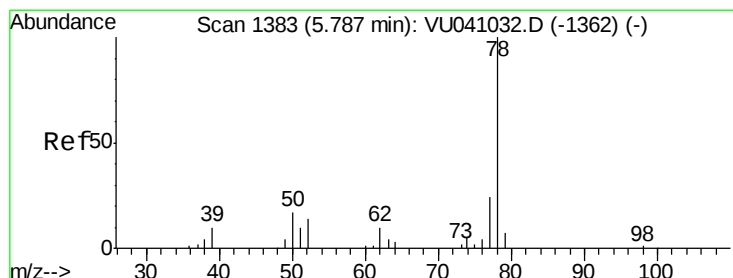
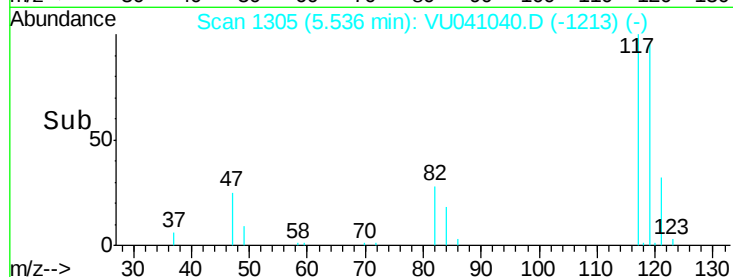
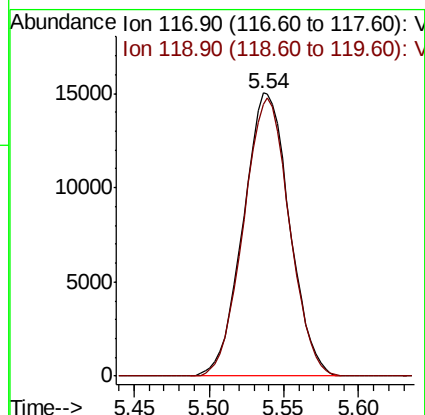
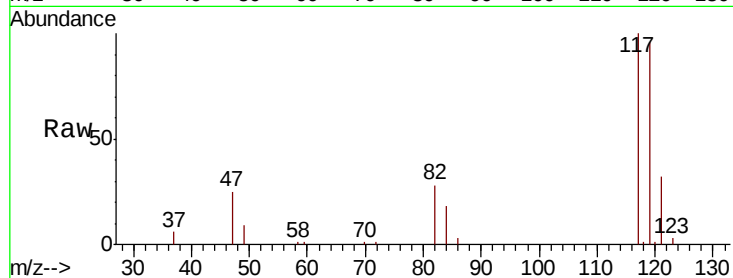




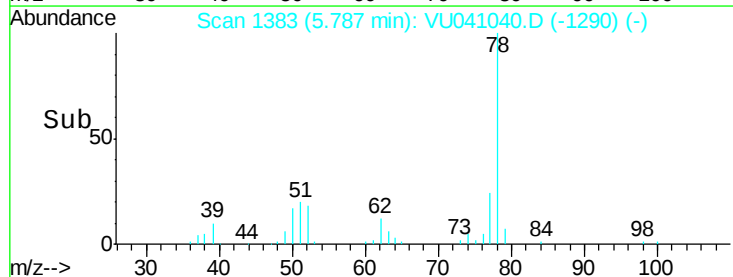
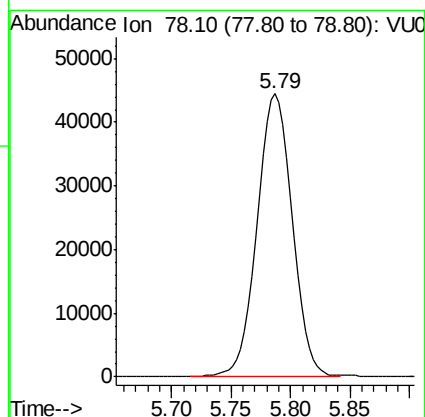
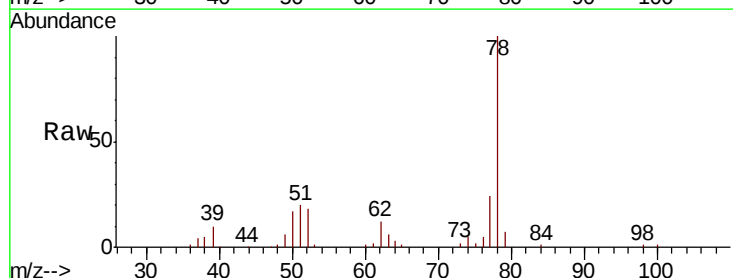
#31
Carbon tetrachloride
Concen: 5.236 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20

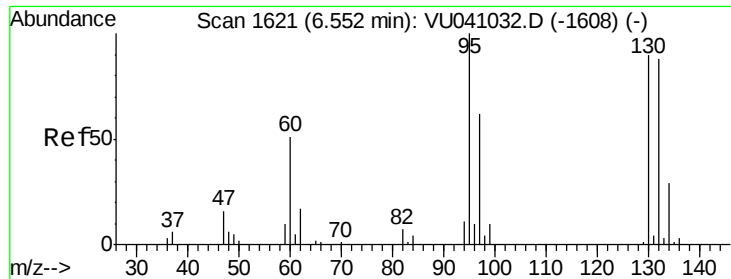
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion:117 Resp: 32328
Ion Ratio Lower Upper
117 100
119 97.1 76.1 114.1



#33
Benzene
Concen: 5.357 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20
Tgt Ion: 78 Resp: 91248

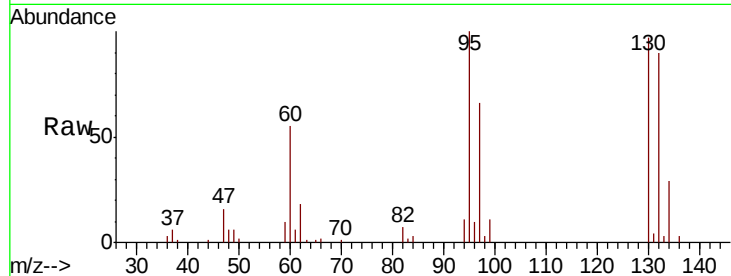




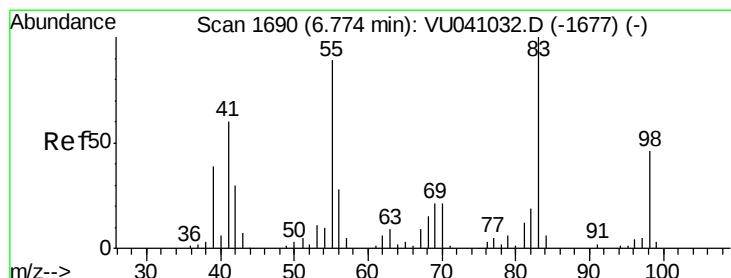
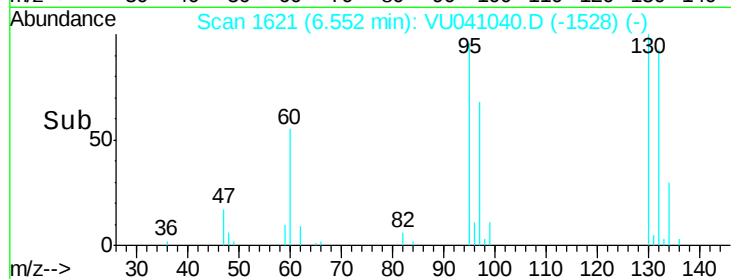
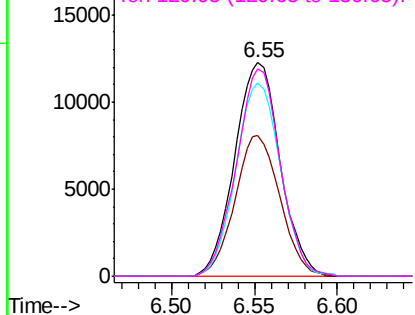
#34
 Trichloroethene
 Concen: 5.388 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion: 95 Resp: 23359
 Ion Ratio Lower Upper
 95 100
 97 65.7 45.6 84.6
 132 90.4 64.8 120.4
 130 97.2 64.8 120.4

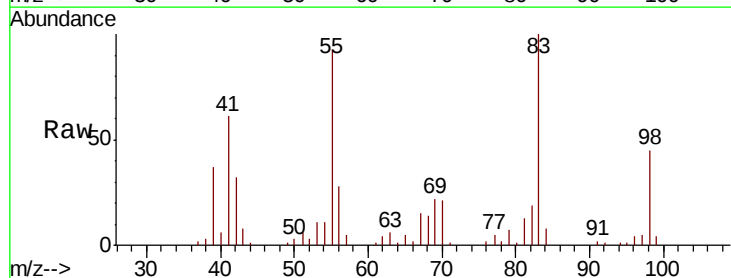


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

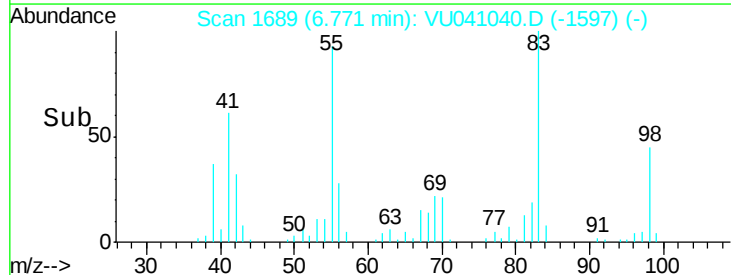
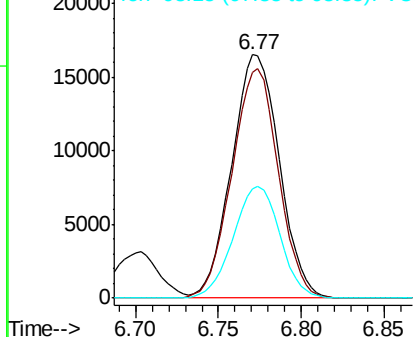


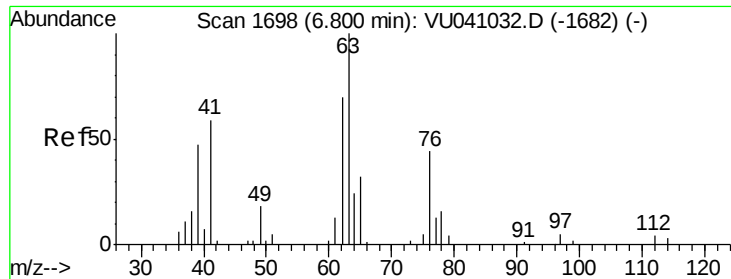
#35
 Methylcyclohexane
 Concen: 5.107 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

Tgt Ion: 83 Resp: 33025
 Ion Ratio Lower Upper
 83 100
 55 91.7 72.0 108.0
 98 45.1 36.6 55.0



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

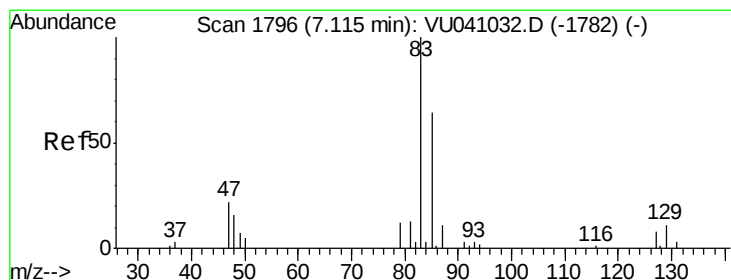
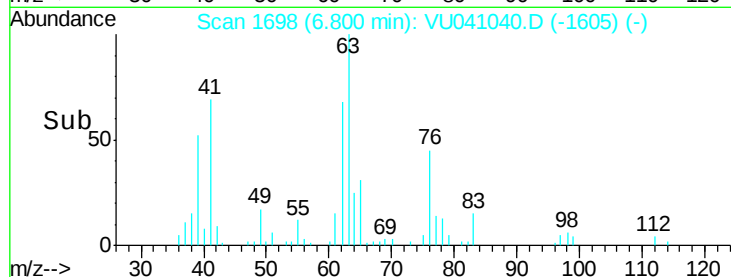
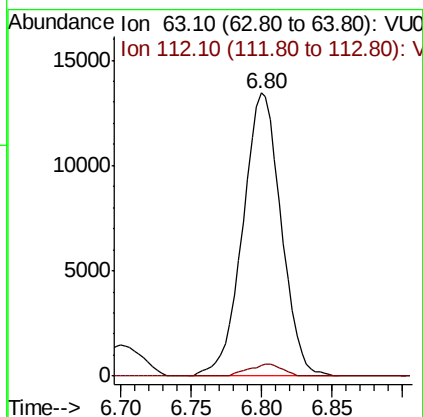
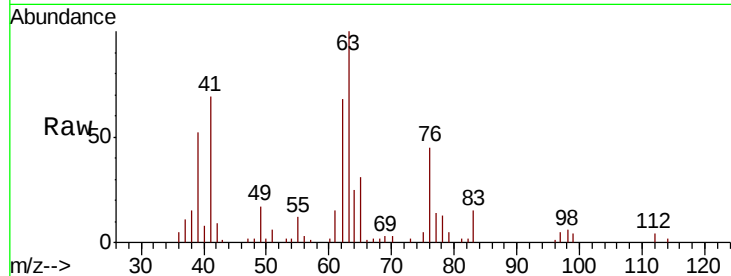




#37
 1,2-Dichloropropane
 Concen: 5.563 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

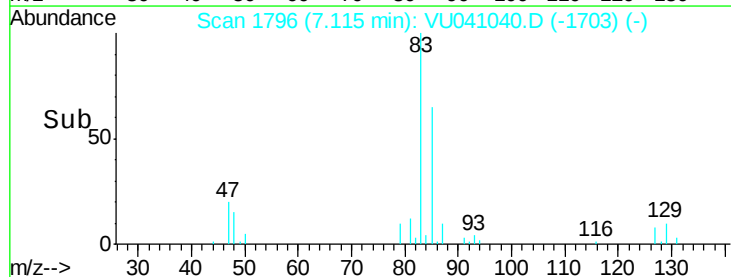
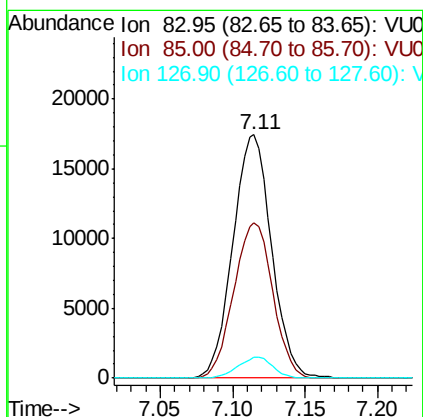
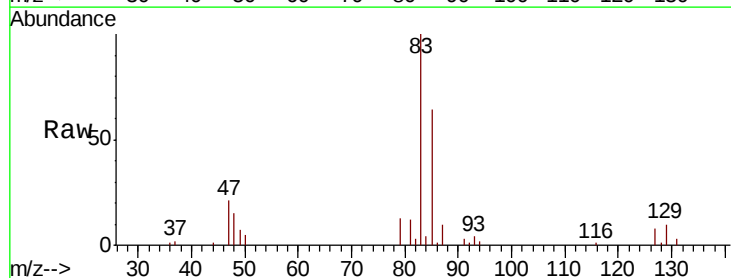
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

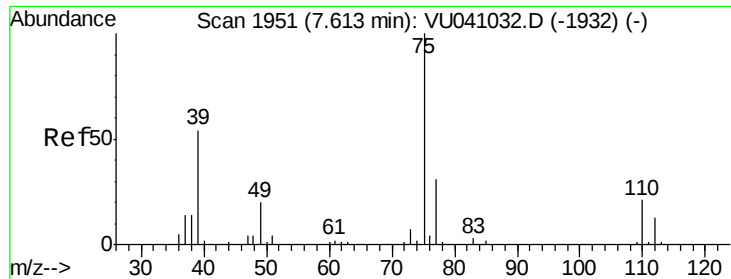
Tot Ion: 63 Resp: 25641
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.389 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

Tgt Ion: 83 Resp: 32222
 Ion Ratio Lower Upper
 83 100
 85 64.0 43.3 80.3
 127 8.3 5.9 8.9

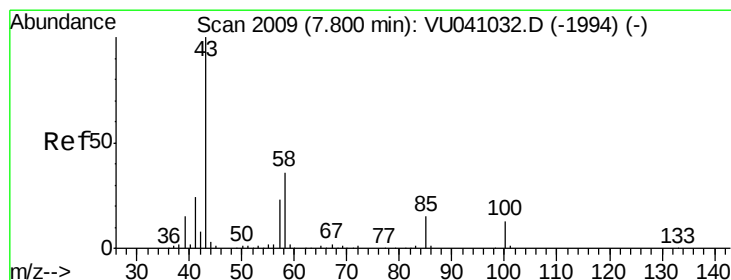
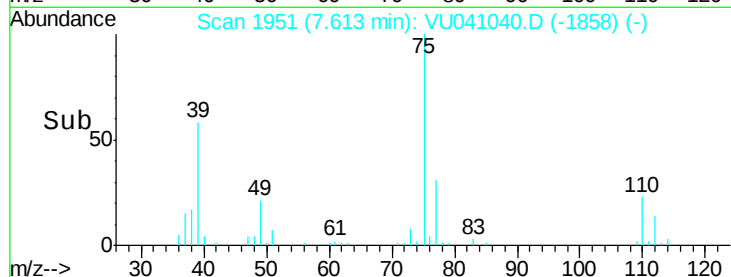
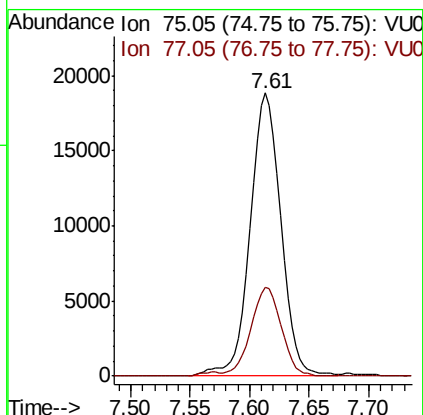
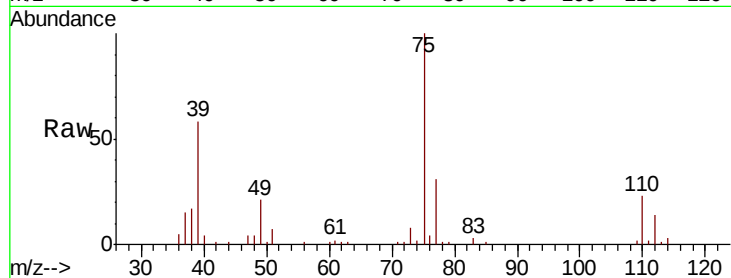




#39
 cis-1,3-Dichloropropene
 Concen: 5.335 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

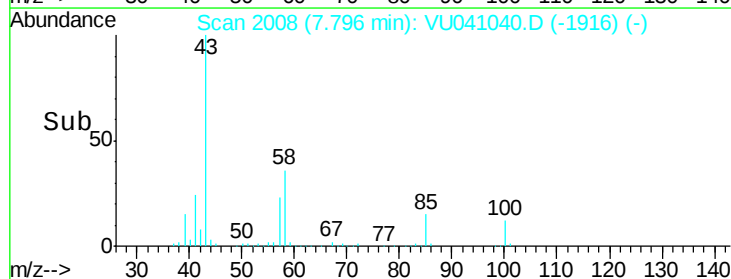
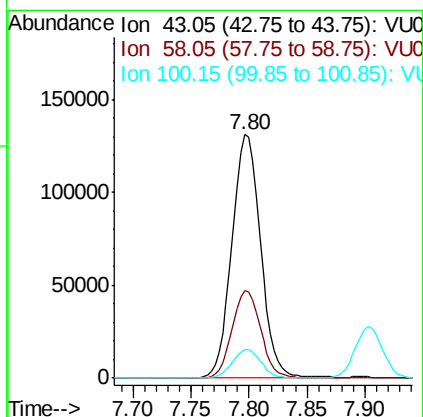
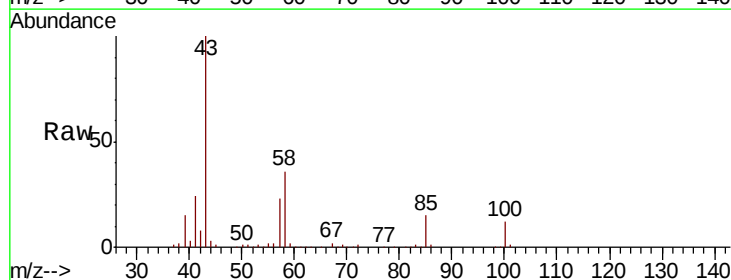
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

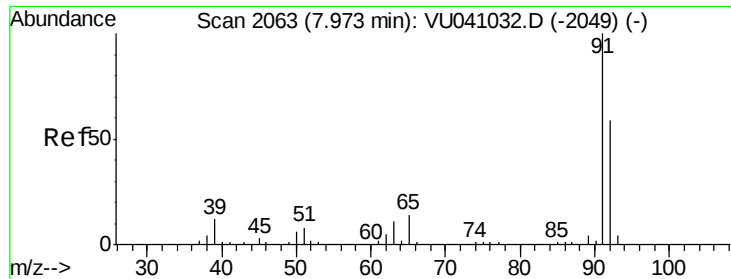
Tot Ion: 75 Resp: 33859
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 61.430 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

Tgt Ion: 43 Resp: 225754
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.8 44.6
 100 11.8 10.5 15.7





#42

Toluene

Concen: 5.519 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

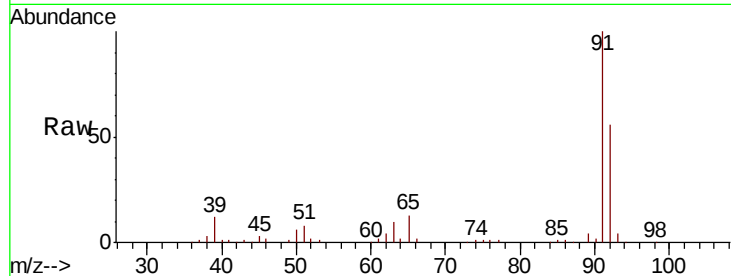
VSTD00510

Tot Ion: 91 Resp: 95334

Ion Ratio Lower Upper

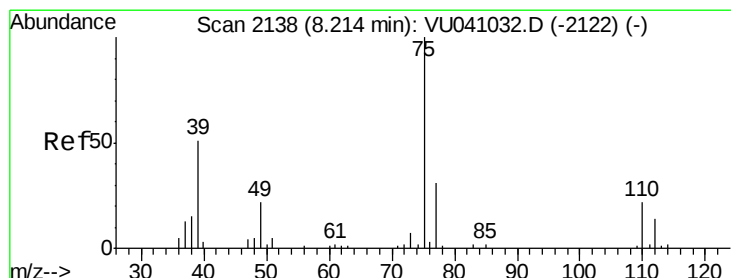
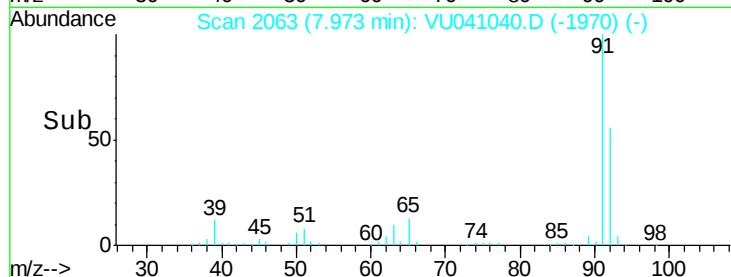
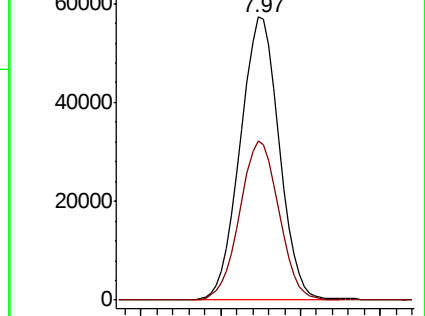
91 100

92 56.4 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041032.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU041032.D (-2049) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.588 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041040.D

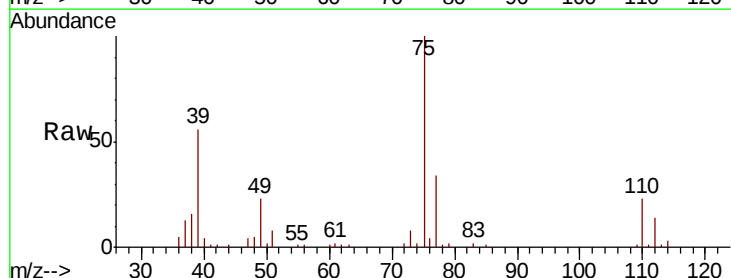
Acq: 30 Oct 2020 15:20

Tgt Ion: 75 Resp: 33188

Ion Ratio Lower Upper

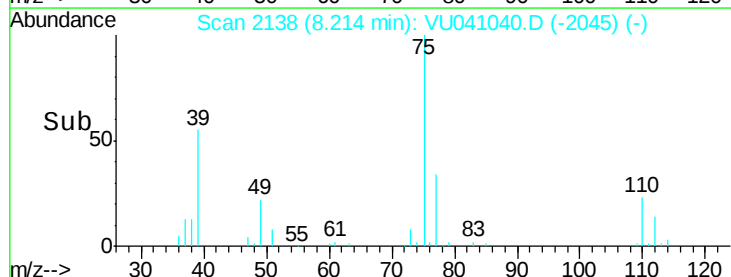
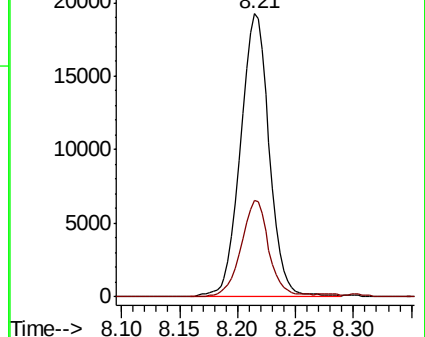
75 100

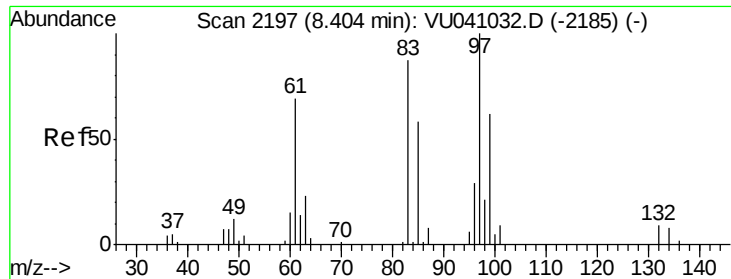
77 33.9 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041032.D (-2122) (-)

Ion 77.05 (76.75 to 77.75): VU041032.D (-2122) (-)

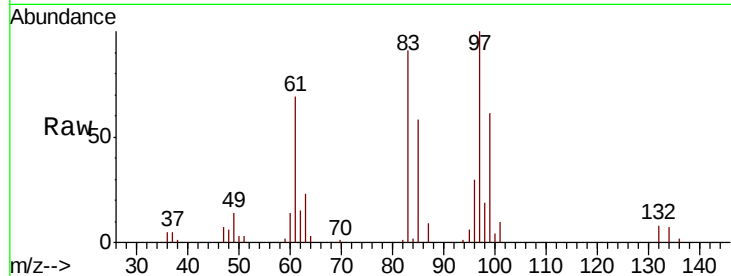




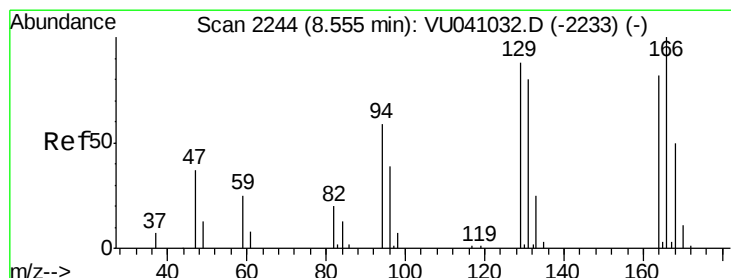
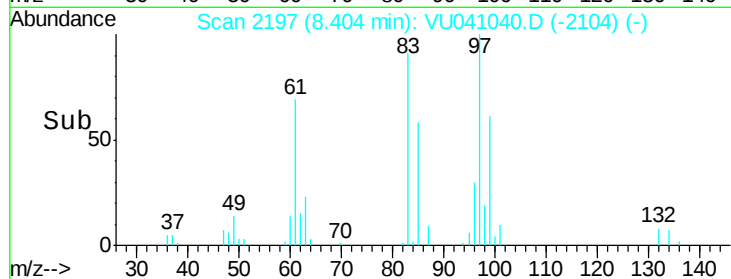
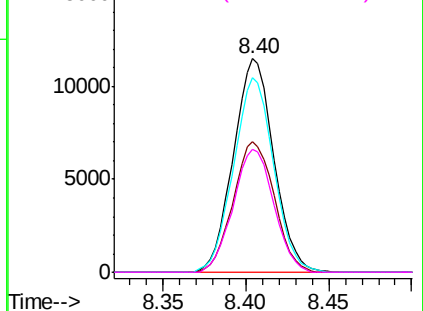
#45
 1,1,2-Trichloroethane
 Concen: 5.667 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion: 97 Resp: 19443
 Ion Ratio Lower Upper
 97 100
 99 61.4 45.8 85.2
 83 91.3 67.9 126.1
 85 57.6 42.8 79.6

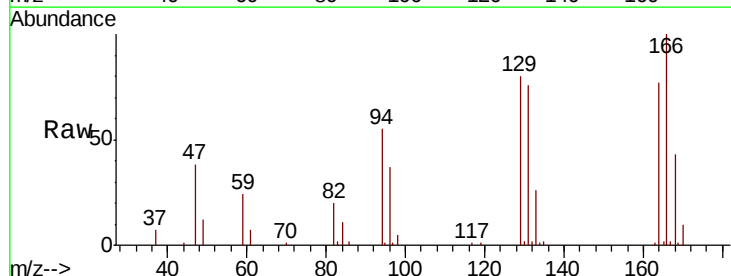


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

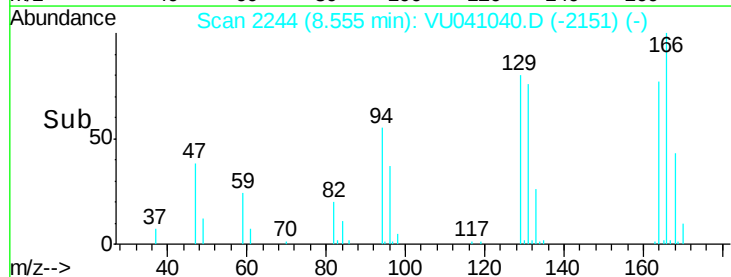
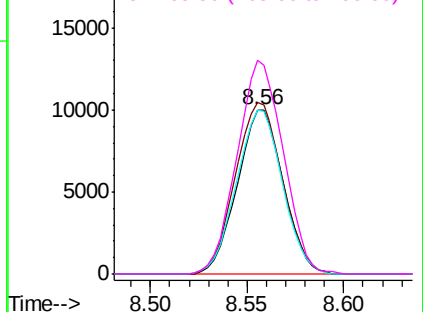


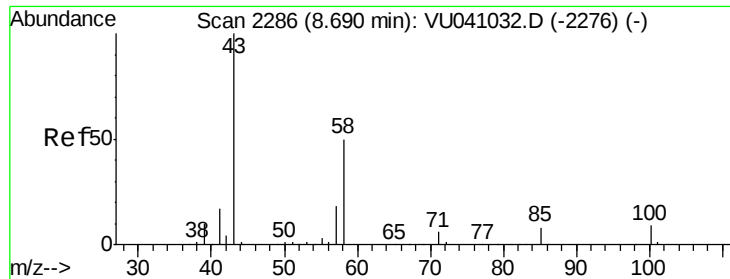
#47
 Tetrachloroethene
 Concen: 5.178 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

Tgt Ion: 164 Resp: 16506
 Ion Ratio Lower Upper
 164 100
 129 104.3 70.3 130.7
 131 99.5 70.8 131.4
 166 130.1 92.0 170.8



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

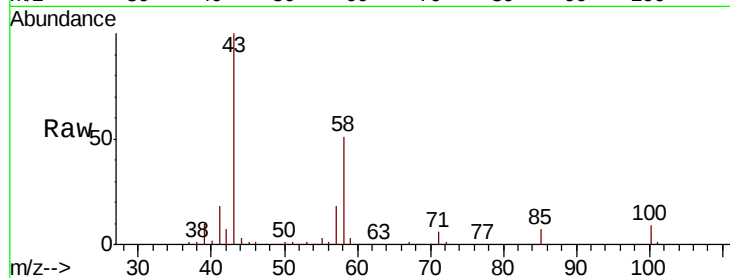




#48
2-Hexanone
Concen: 62.648 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion:	43	Resp:	173356
Ion	Ratio	Lower	Upper
43	100		
58	50.5	41.4	62.2
57	17.7	14.6	21.8
100	9.5	8.3	12.5

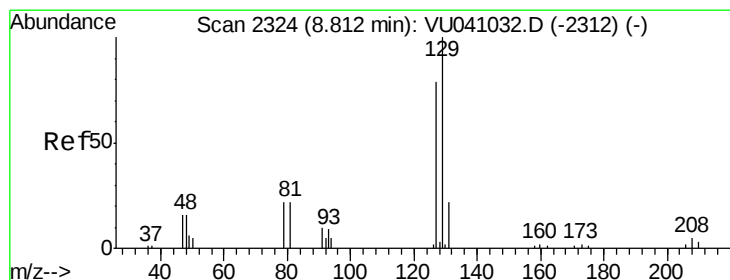
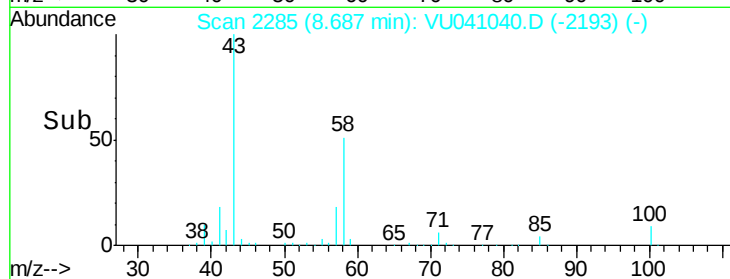
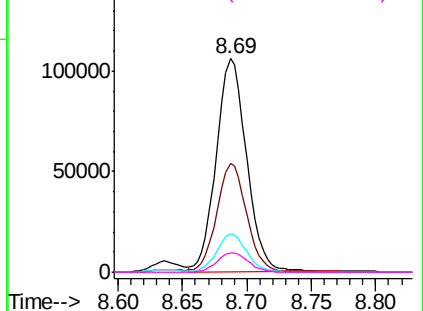


Abundance Ion 43.05 (42.75 to 43.75): VU041032.D (-2276) (-)

Ion 58.05 (57.75 to 58.75): VU041032.D (-2276) (-)

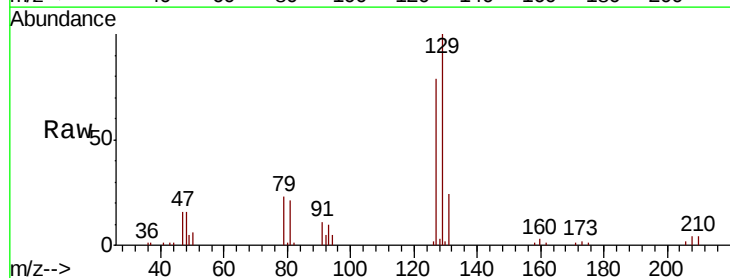
Ion 57.20 (56.90 to 57.90): VU041032.D (-2276) (-)

Ion 100.15 (99.85 to 100.85): VU041032.D (-2276) (-)



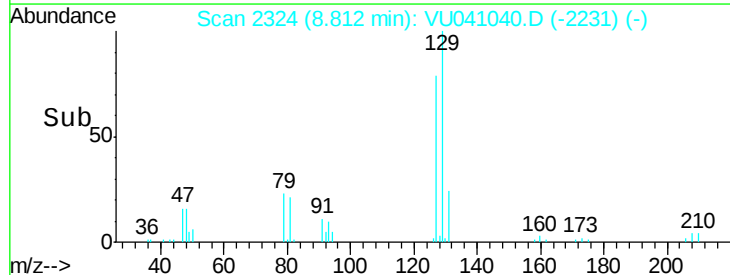
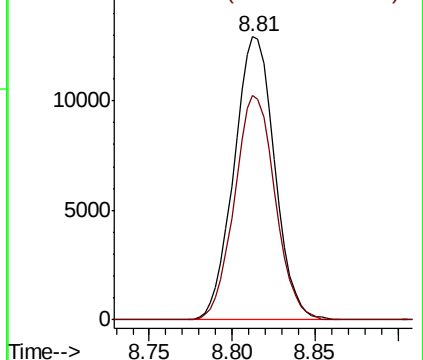
#49
Dibromochloromethane
Concen: 5.530 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20

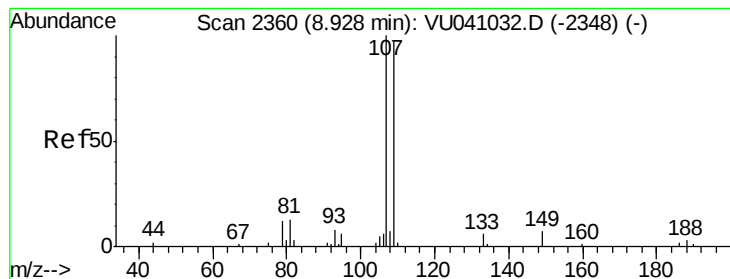
Tgt Ion:	129	Resp:	22036
Ion	Ratio	Lower	Upper
129	100		
127	79.3	53.4	99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041032.D (-2312) (-)

Ion 126.90 (126.60 to 127.60): VU041032.D (-2312) (-)





#50

1,2-Dibromoethane

Concen: 5.518 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

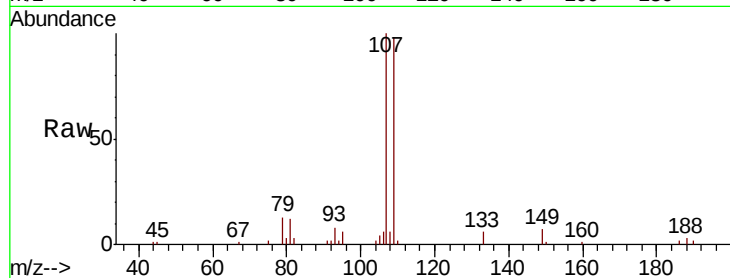
Tot Ion:107 Resp: 18042

Ion Ratio Lower Upper

107 100

109 98.2 65.6 121.8

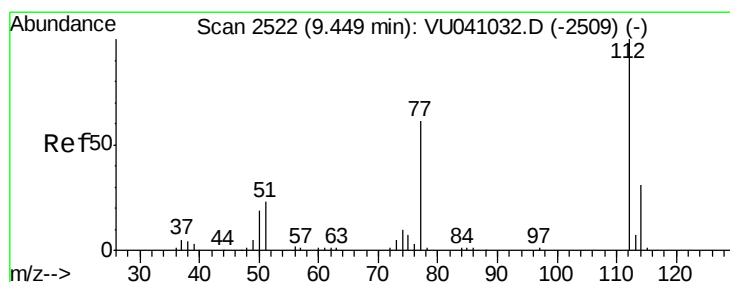
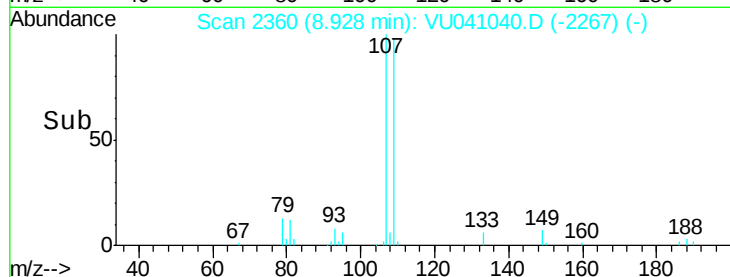
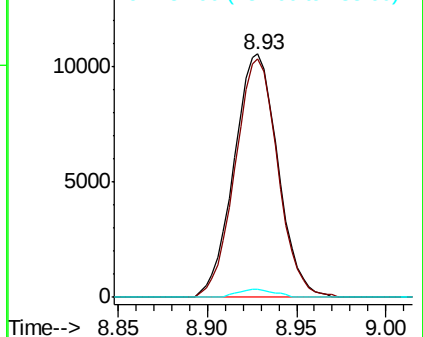
188 3.3 2.9 4.3



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.430 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

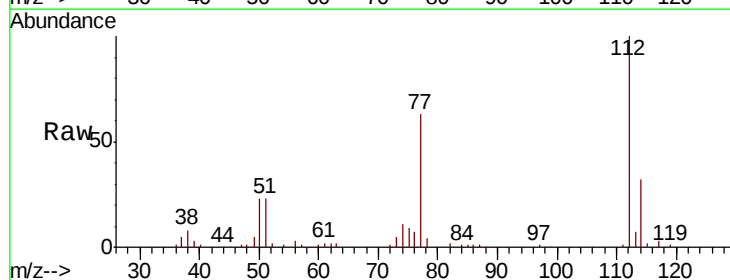
Tgt Ion:112 Resp: 59474

Ion Ratio Lower Upper

112 100

114 31.6 22.4 41.6

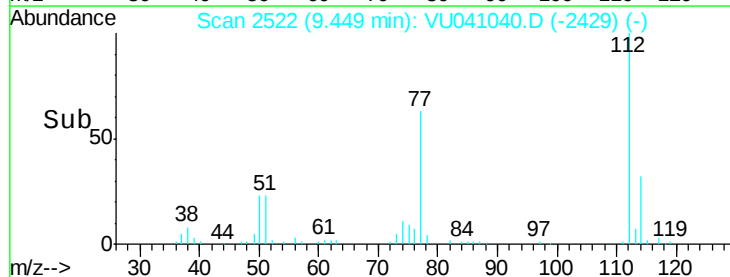
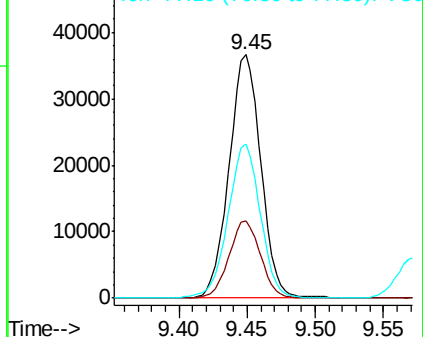
77 63.2 51.2 76.8

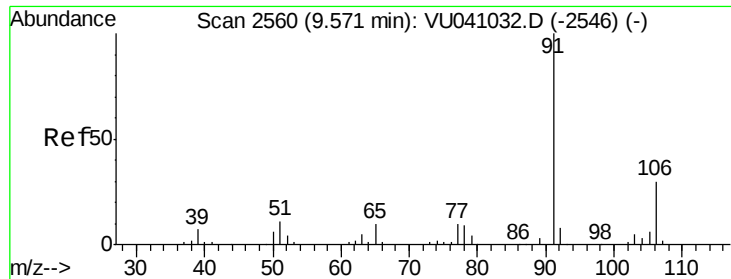


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

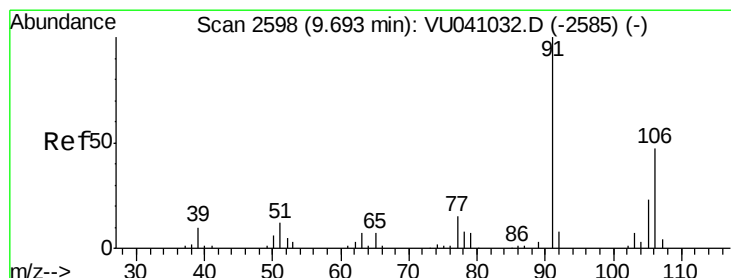
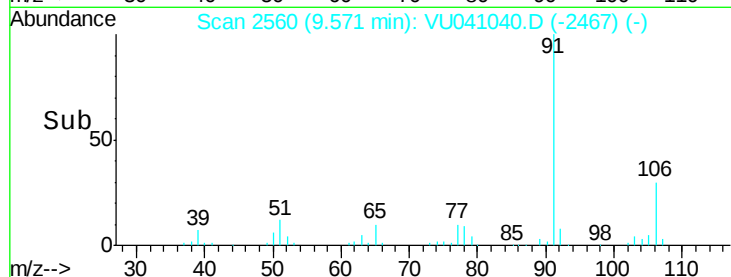
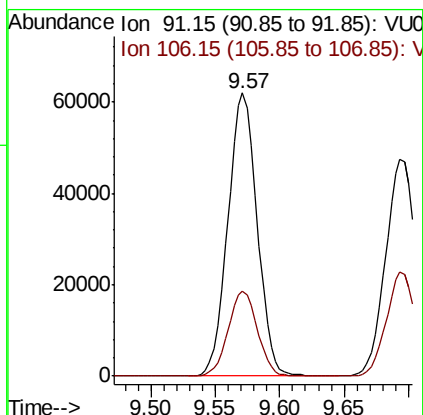
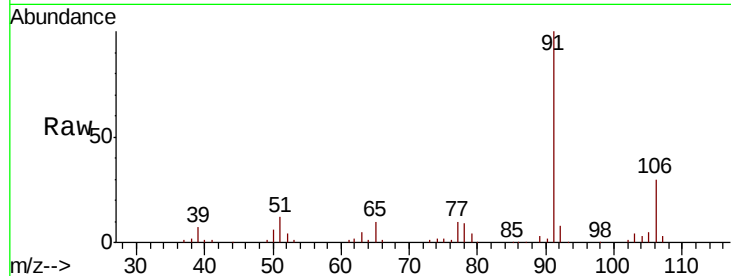




#52
Ethylbenzene
Concen: 5.362 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20

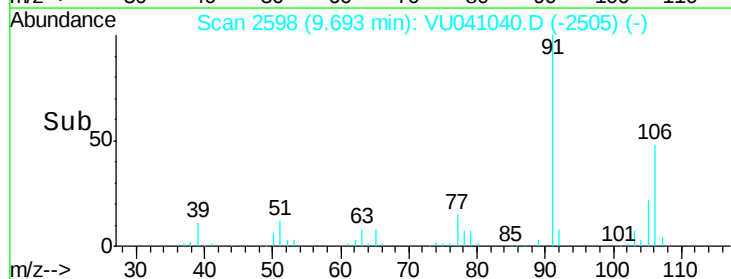
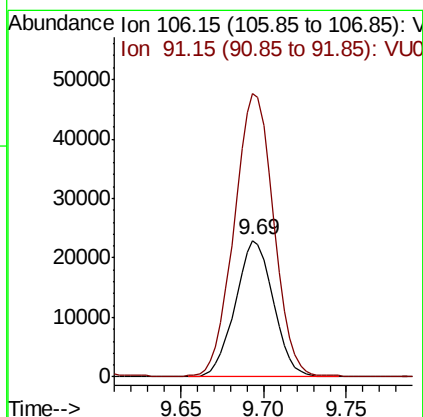
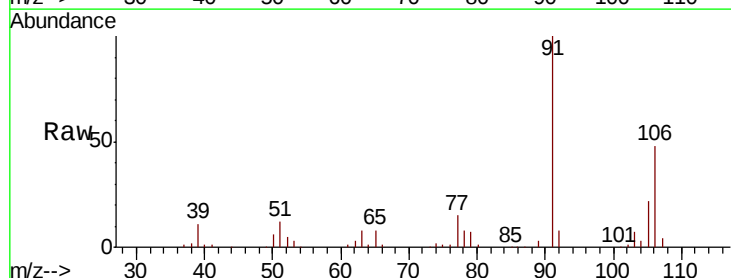
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

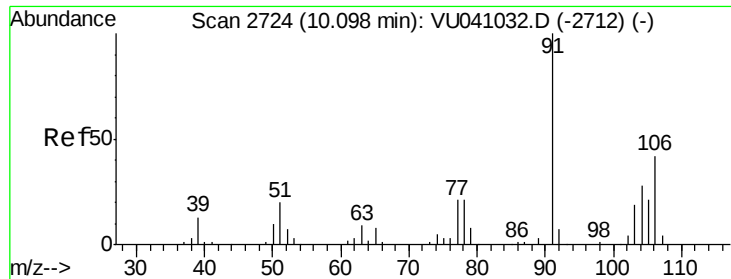
Tot Ion: 91 Resp: 97494
Ion Ratio Lower Upper
91 100
106 30.2 21.0 39.0



#53
m,p-Xylene
Concen: 5.522 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20

Tgt Ion: 106 Resp: 36613
Ion Ratio Lower Upper
106 100
91 207.9 150.9 280.3

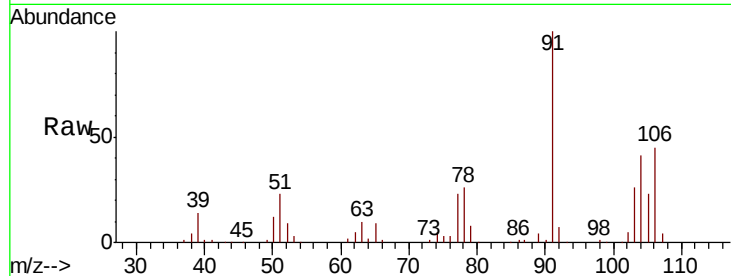




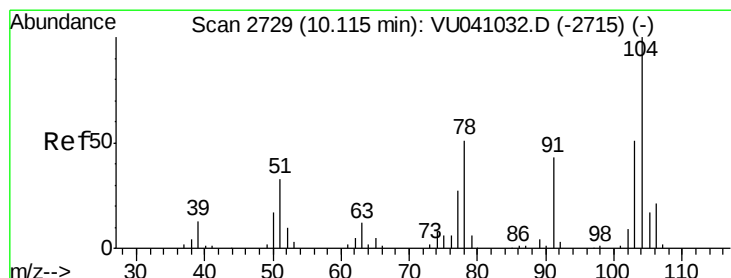
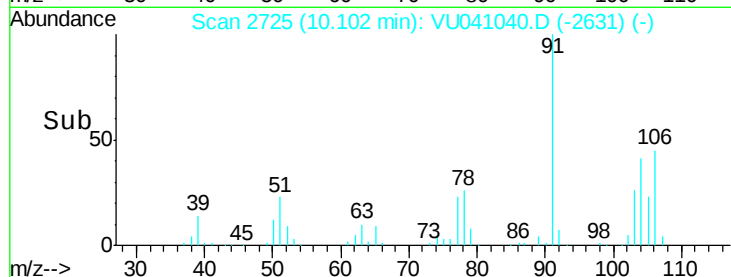
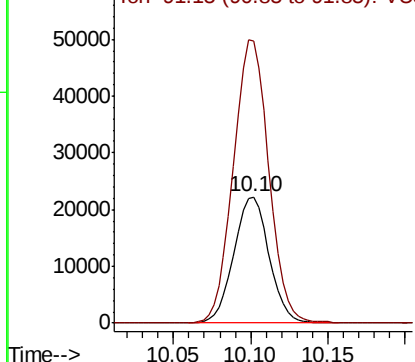
#54
o-Xylene
Concen: 5.706 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion:106 Resp: 35240
Ion Ratio Lower Upper
106 100
91 223.4 154.3 286.5

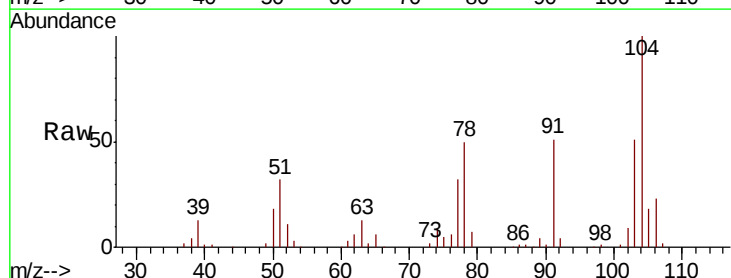


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

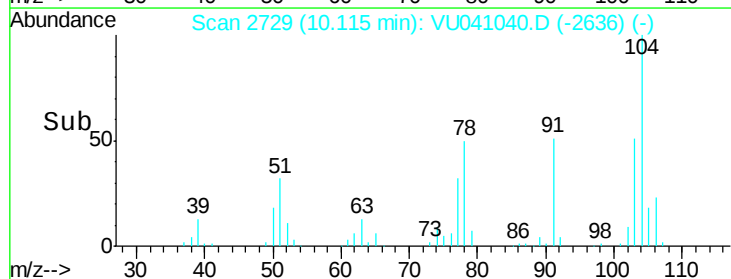
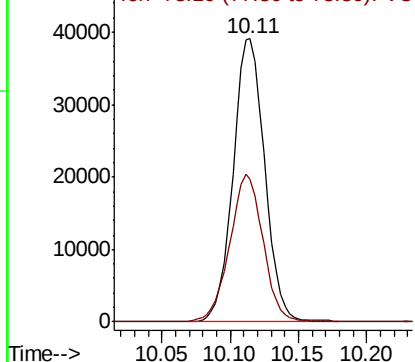


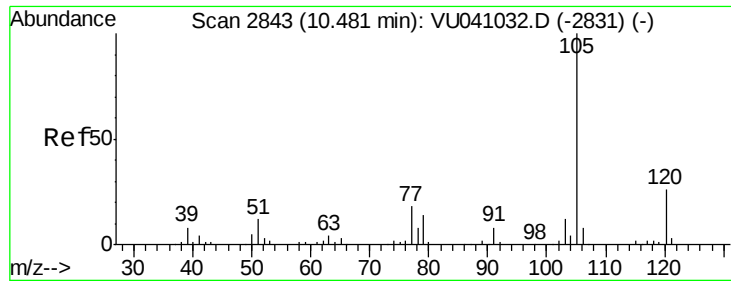
#55
Styrene
Concen: 5.733 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041040.D
Acq: 30 Oct 2020 15:20

Tgt Ion:104 Resp: 63080
Ion Ratio Lower Upper
104 100
78 50.5 35.5 65.9



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





#56

Isopropylbenzene

Concen: 5.706 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

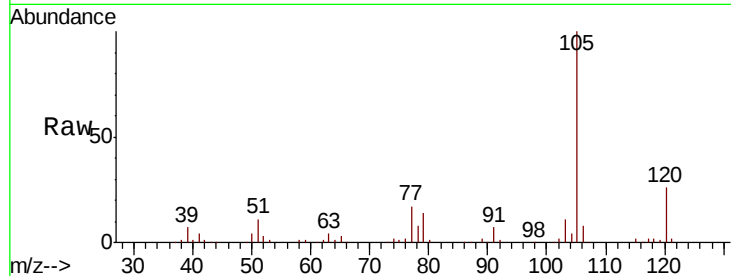
Tot Ion:105 Resp: 94750

Ion Ratio Lower Upper

105 100

120 25.0 20.7 31.1

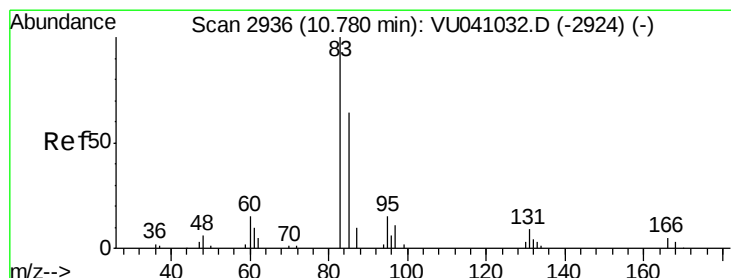
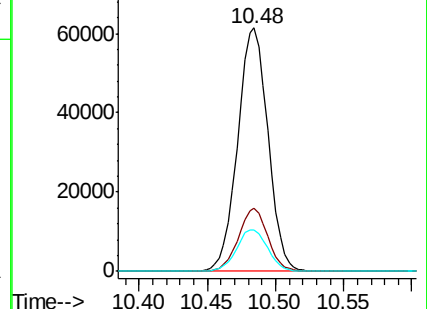
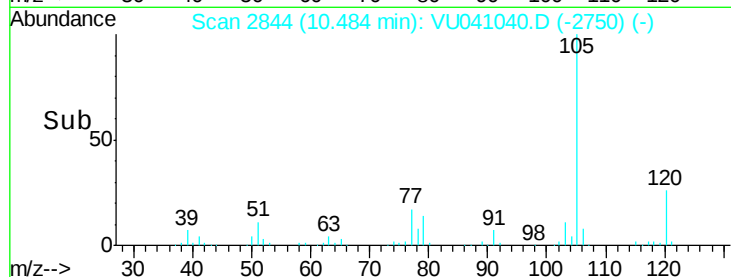
77 17.6 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.703 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

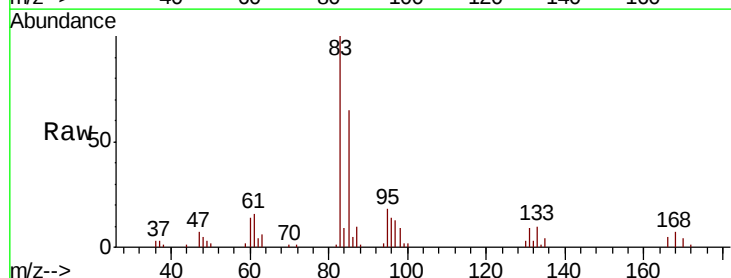
Tgt Ion: 83 Resp: 25700

Ion Ratio Lower Upper

83 100

85 64.7 44.4 82.4

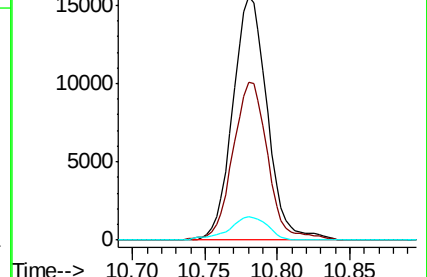
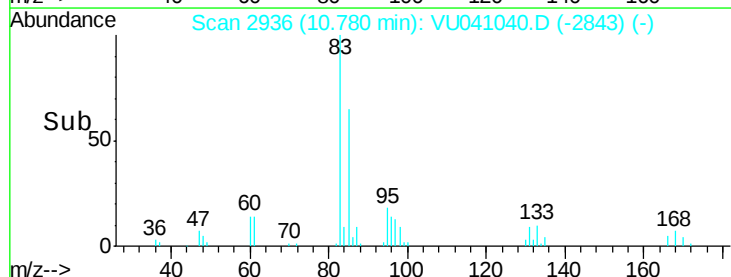
131 9.4 7.7 11.5

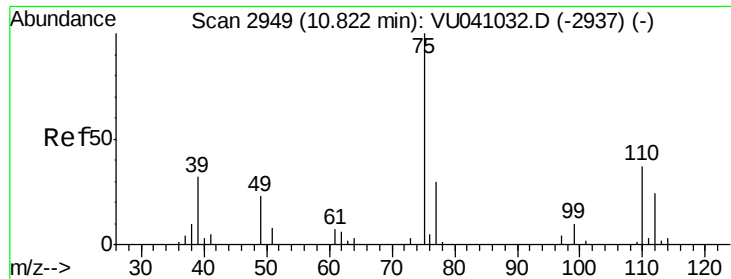


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.782 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

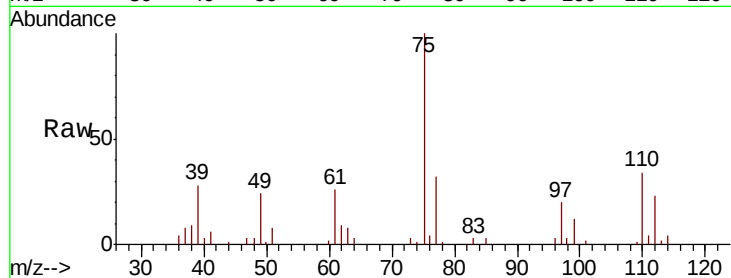
VSTD00510

Tot Ion: 75 Resp: 19862

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041032.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041032.D (-2937) (-)

10.82

15000

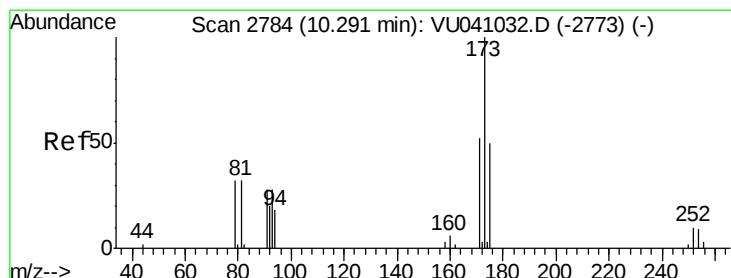
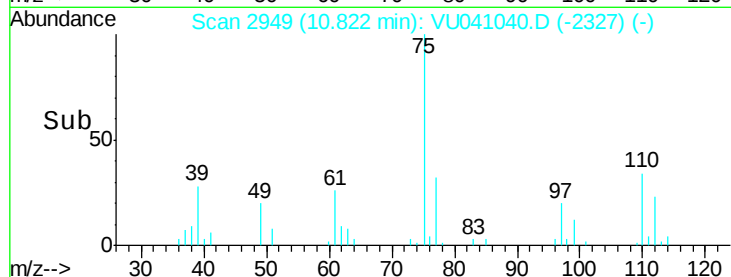
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 5.471 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

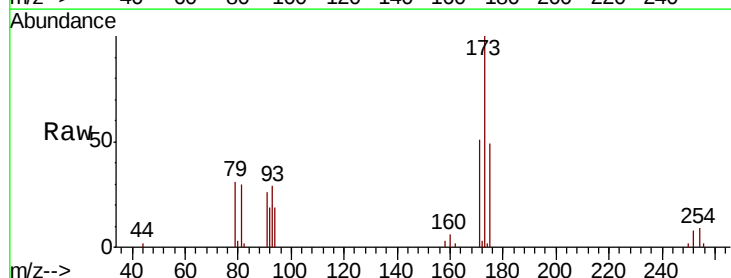
Tgt Ion: 173 Resp: 12443

Ion Ratio Lower Upper

173 100

175 48.1 37.6 56.4

254 8.4 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041032.D (-2773) (-)

Ion 174.90 (174.60 to 175.60): VU041032.D (-2773) (-)

Ion 253.75 (253.45 to 254.45): VU041032.D (-2773) (-)

10.29

10000

8000

6000

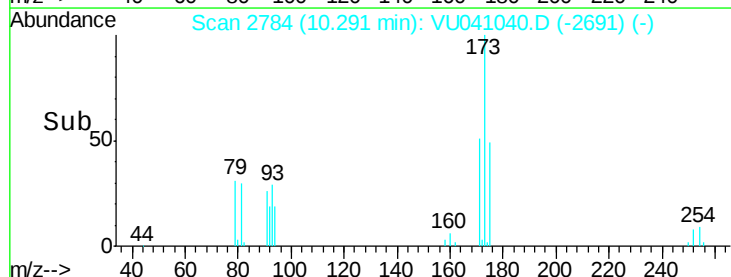
4000

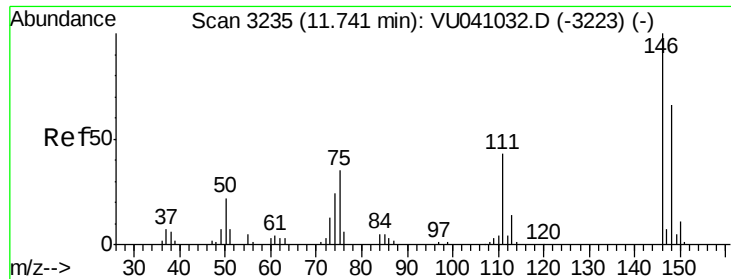
2000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 5.601 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

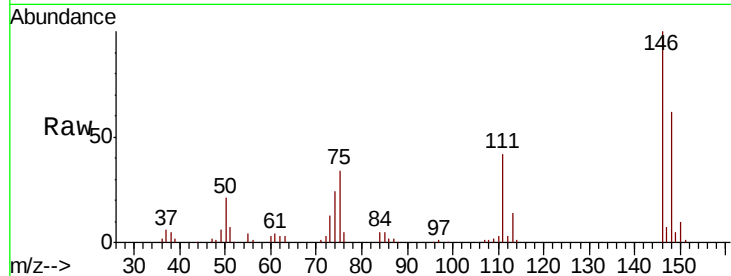
Tot Ion:146 Resp: 47713

Ion Ratio Lower Upper

146 100

111 41.9 30.9 57.3

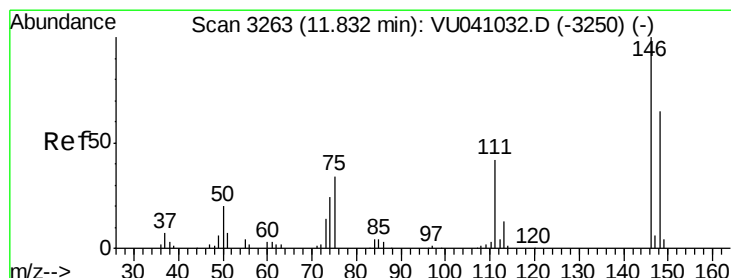
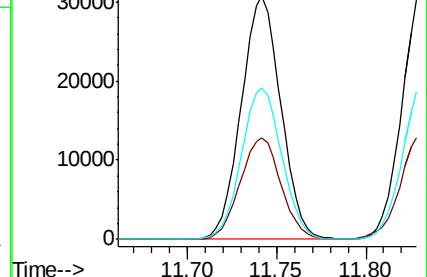
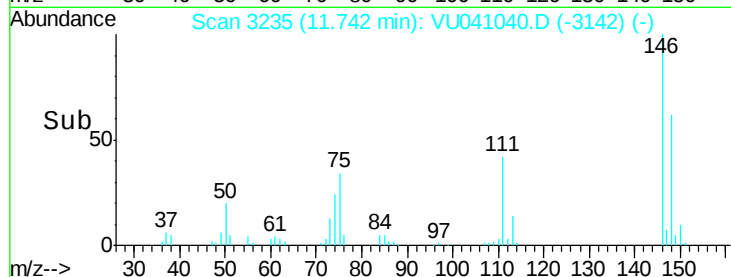
148 62.3 45.8 85.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.561 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

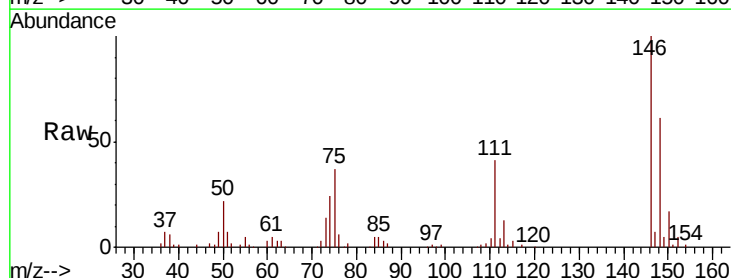
Tgt Ion:146 Resp: 49063

Ion Ratio Lower Upper

146 100

111 40.7 28.3 52.7

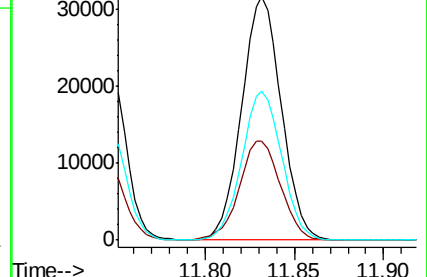
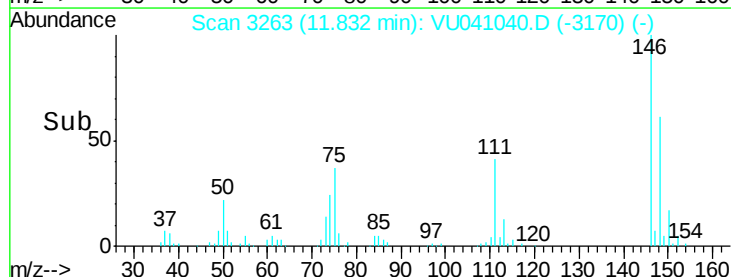
148 61.0 44.2 82.2

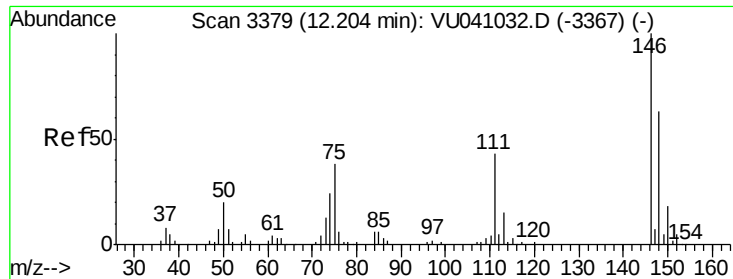


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.557 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

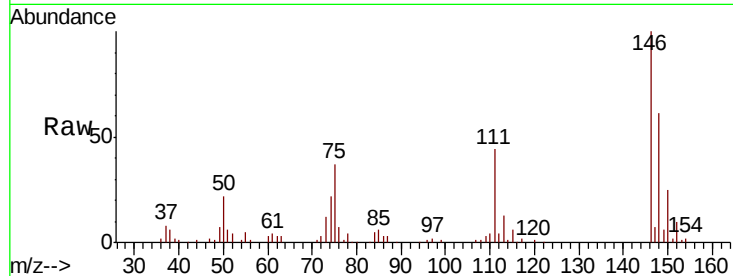
Tot Ion:146 Resp: 46712

Ion Ratio Lower Upper

146 100

111 44.0 35.0 52.6

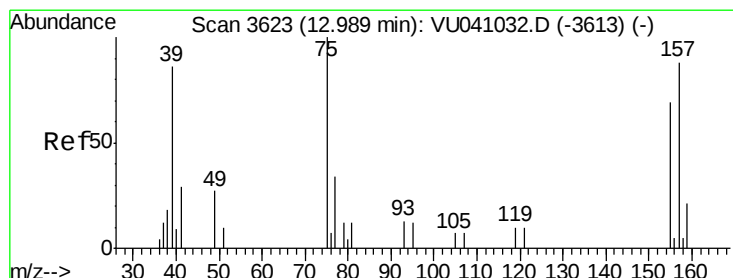
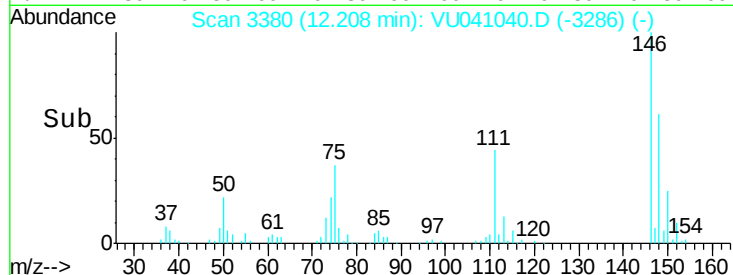
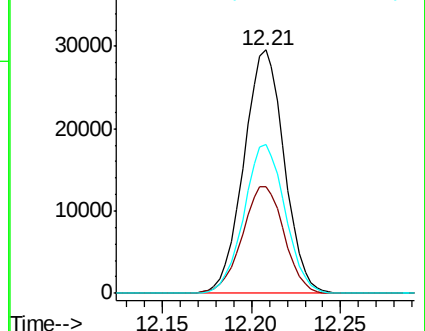
148 60.9 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.374 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

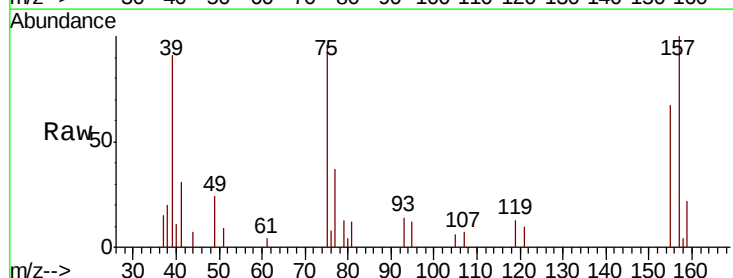
Tgt Ion: 75 Resp: 4428

Ion Ratio Lower Upper

75 100

155 69.3 61.4 92.2

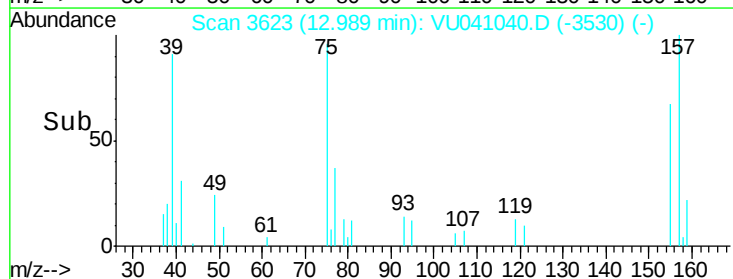
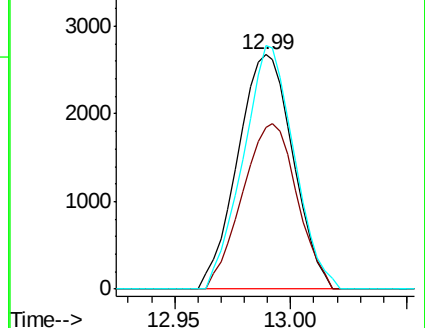
157 104.0 74.2 111.4

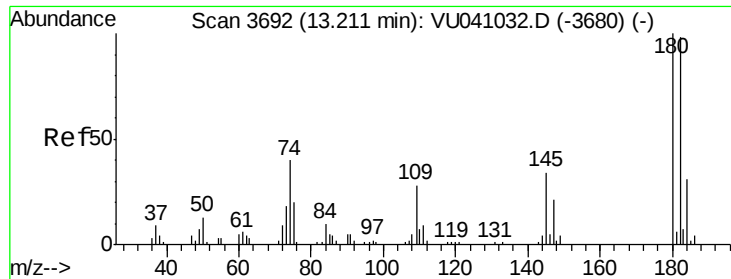


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

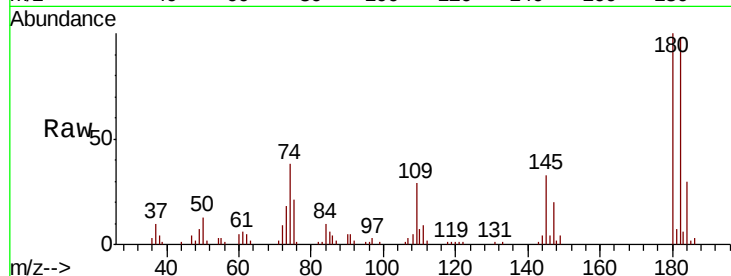




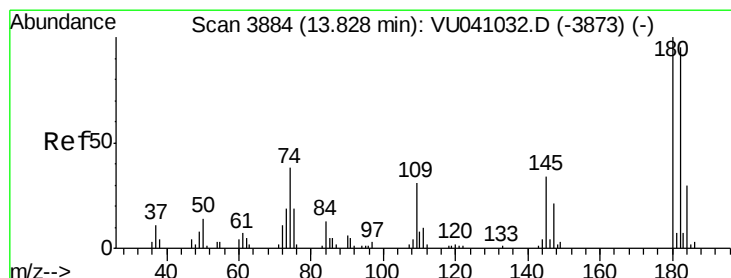
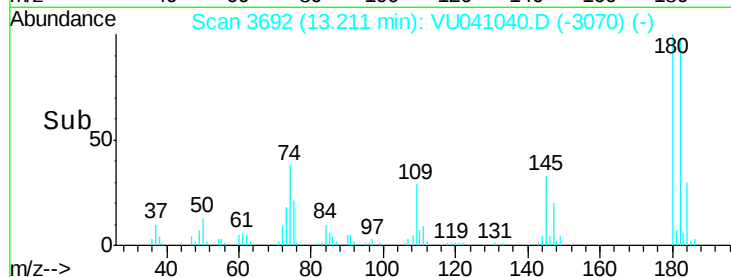
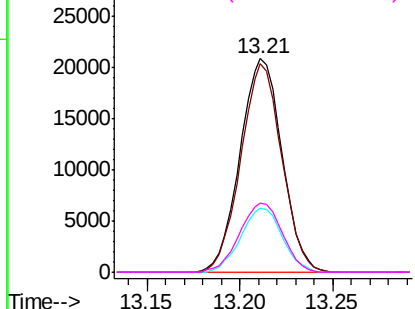
#67
 1,3,5-Trichlorobenzene
 Concen: 5.496 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion:180 Resp: 32744
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.7 113.5
 184 29.6 23.7 35.5
 145 32.8 26.1 39.1

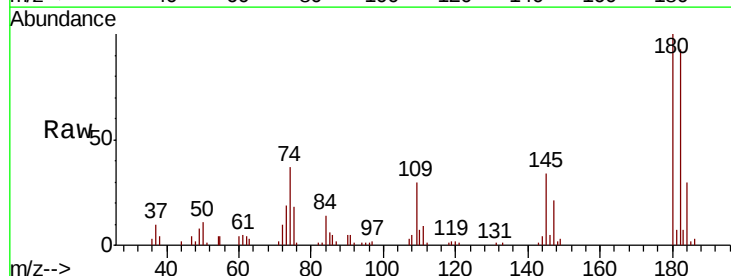


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

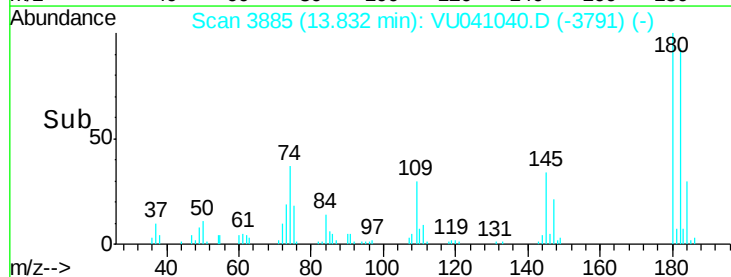
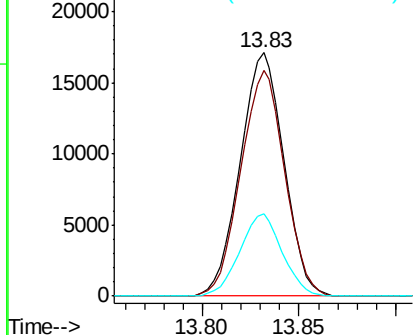


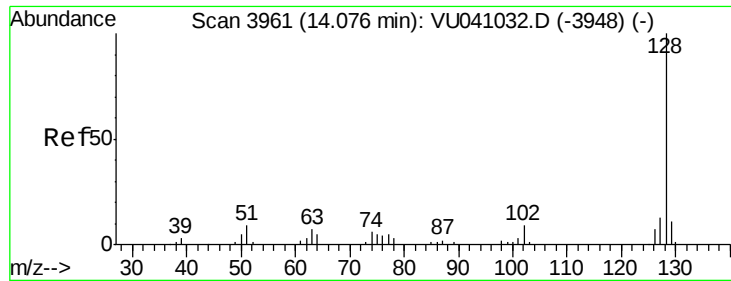
#68
 1,2,4-trichlorobenzene
 Concen: 5.453 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041040.D
 Acq: 30 Oct 2020 15:20

Tgt Ion:180 Resp: 26914
 Ion Ratio Lower Upper
 180 100
 182 92.7 73.5 110.3
 145 32.7 26.6 40.0



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





#69

Naphthalene

Concen: 5.249 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

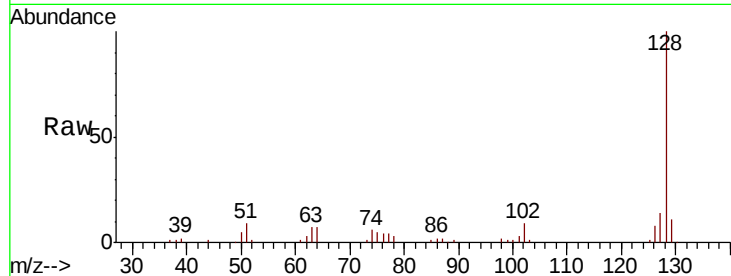
Tot Ion:128 Resp: 46329

Ion Ratio Lower Upper

128 100

129 11.5 8.7 13.1

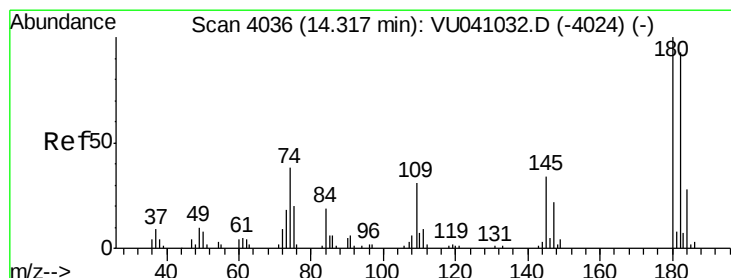
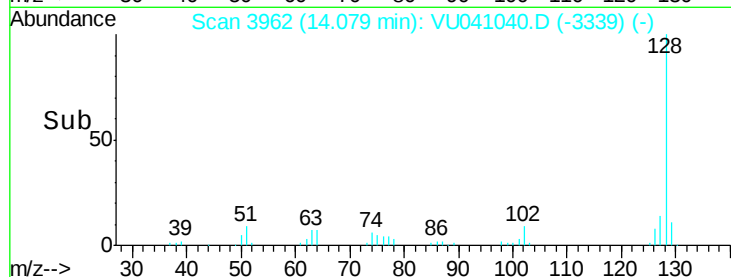
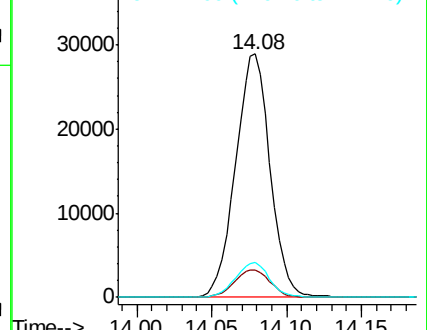
127 14.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.658 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041040.D

Acq: 30 Oct 2020 15:20

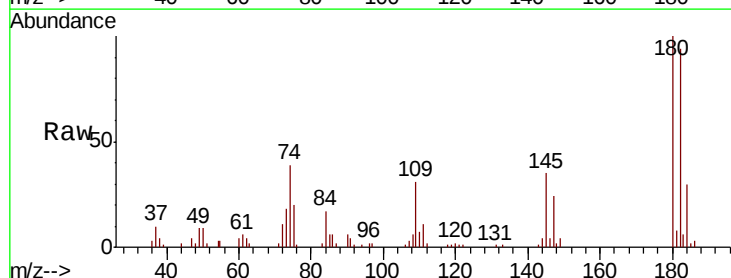
Tgt Ion:180 Resp: 25739

Ion Ratio Lower Upper

180 100

182 93.9 77.7 116.5

145 35.7 29.4 44.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

