

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041065.D
 Acq On : 03 Nov 2020 09:24
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Quant Time: Nov 04 00:53:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 03 16:06:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	52281	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51886	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	26193	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	19975	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.93	69	15669	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.58	63	40461	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	4.65	46	89098	61.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.20%
24) Chloroform-d	5.08	84	39399	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.72	65	25910	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.74	84	71520	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.70	67	24234	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.90	98	63847	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	8.18	79	10636	5.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.60%
46) 2-Hexanone-d5	8.64	63	65314	61.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23708	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	23275	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	23321	4.886	ug/L 99
3) Chloromethane	1.53	50	23819	4.786	ug/L 99
5) Vinyl chloride	1.61	62	24322	4.954	ug/L 97
6) Bromomethane	1.87	94	13047	4.636	ug/L 94
8) Chloroethane	1.94	64	14340	4.610	ug/L 95
9) Trichlorofluoromethane	2.15	101	32410	4.856	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	19573	5.004	ug/L 97
12) 1,1-Dichloroethene	2.59	96	17750	4.806	ug/L 98
13) Acetone	2.66	43	59695	60.367	ug/L # 60
14) Carbon disulfide	2.81	76	54905	4.449	ug/L 99
15) Methyl Acetate	2.97	43	13386	5.916	ug/L 95
16) Methylene chloride	3.06	84	21353	4.962	ug/L 95
17) Methyl tert-butyl Ether	3.38	73	50444	5.307	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	18414	4.906	ug/L 97
19) 1,1-Dichloroethane	3.89	63	38184	5.089	ug/L 96
21) 2-Butanone	4.73	43	92257	59.693	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	20079	5.187	ug/L 99

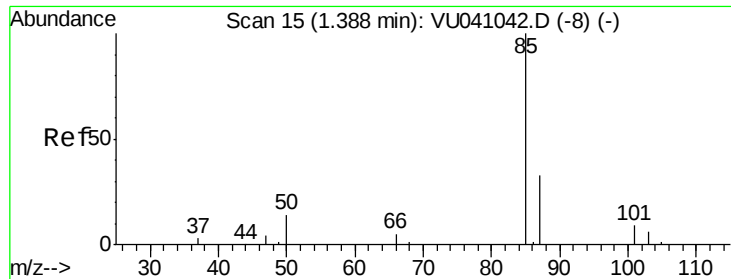
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110320\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	10075	5.517	ug/L	98
25) Chloroform	5.11	83	40065	5.325	ug/L	97
27) 1,2-Dichloroethane	5.81	62	30038	5.360	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	32821	5.172	ug/L	97
30) Cyclohexane	5.40	56	30904	4.943	ug/L	99
31) Carbon tetrachloride	5.54	117	29140	5.186	ug/L	98
33) Benzene	5.79	78	80829	5.214	ug/L	100
34) Trichloroethene	6.55	95	20980	5.317	ug/L	97
35) Methylcyclohexane	6.77	83	29160	4.955	ug/L	98
37) 1,2-Dichloropropane	6.80	63	23223	5.536	ug/L #	97
38) Bromodichloromethane	7.11	83	28854	5.303	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	30743	5.323	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	208124	62.223	ug/L	97
42) Toluene	7.97	91	84831	5.396	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	30368	5.618	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	17366	5.561	ug/L	93
47) Tetrachloroethene	8.56	164	14789	5.098	ug/L	98
48) 2-Hexanone	8.69	43	161305	64.047	ug/L	97
49) Dibromochloromethane	8.81	129	19881	5.482	ug/L	93
50) 1,2-Dibromoethane	8.93	107	16202	5.445	ug/L #	95
51) Chlorobenzene	9.45	112	51511	5.167	ug/L	98
52) Ethylbenzene	9.57	91	86187	5.208	ug/L	100
53) m,p-Xylene	9.69	106	32283	5.349	ug/L	97
54) o-Xylene	10.10	106	30855	5.490	ug/L	97
55) Styrene	10.11	104	55460	5.538	ug/L	99
56) Isopropylbenzene	10.48	105	82947	5.488	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	23027	5.615	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	18115	5.794	ug/L	100
61) Bromoform	10.29	173	11539	5.716	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	41579	5.499	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	42492	5.426	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	40545	5.434	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	4201	5.745	ug/L	87
67) 1,3,5-Trichlorobenzene	13.21	180	28507	5.391	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	22787	5.202	ug/L	98
69) Naphthalene	14.08	128	41610	5.312	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	22017	5.453	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.886 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

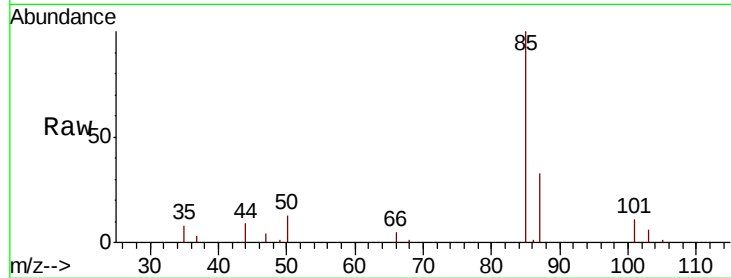
VSTD00513

Tot Ion: 85 Resp: 23321

Ion Ratio Lower Upper

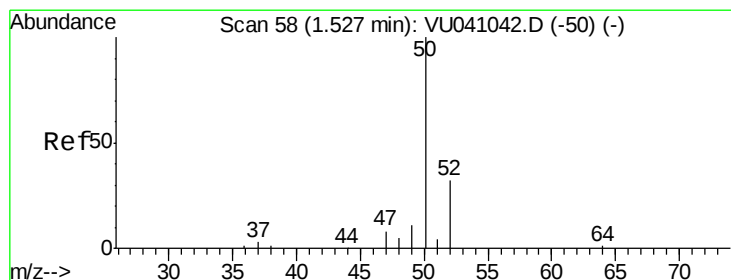
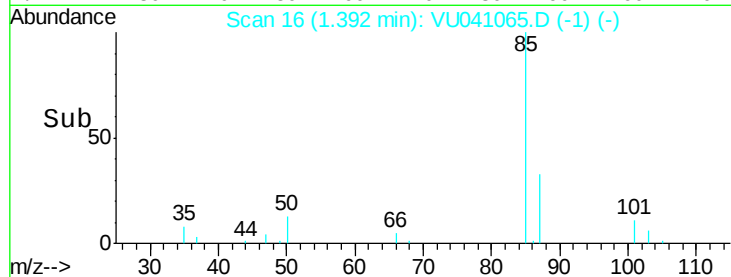
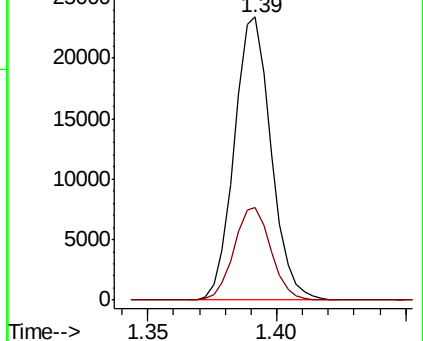
85 100

87 32.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU041042.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU041042.D (-8) (-)



#3

Chloromethane

Concen: 4.786 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041065.D

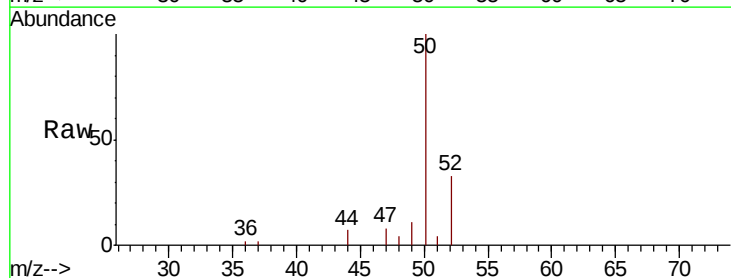
Acq: 03 Nov 2020 09:24

Tgt Ion: 50 Resp: 23819

Ion Ratio Lower Upper

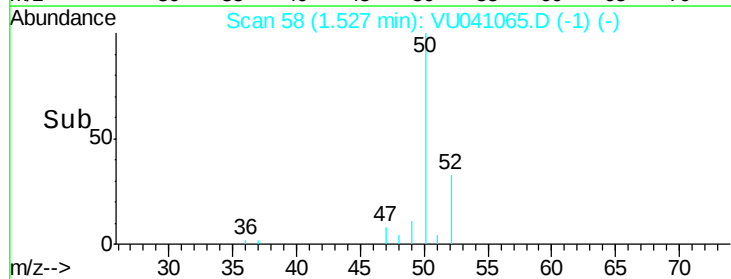
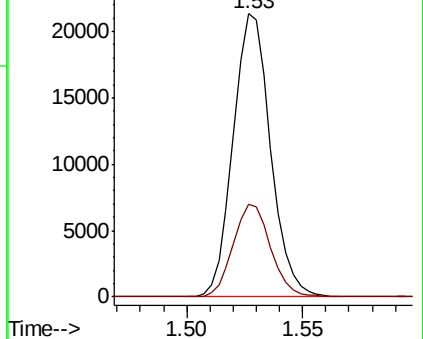
50 100

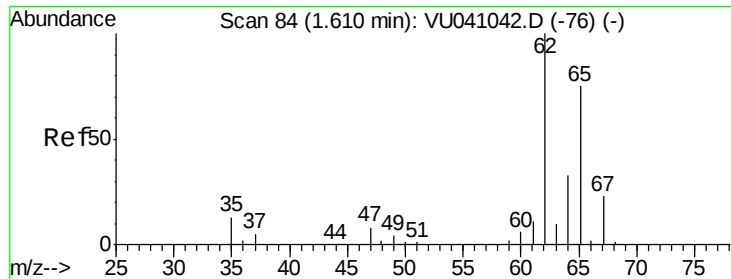
52 32.7 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041042.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU041042.D (-50) (-)





#5

Vinyl chloride

Concen: 4.954 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleID :

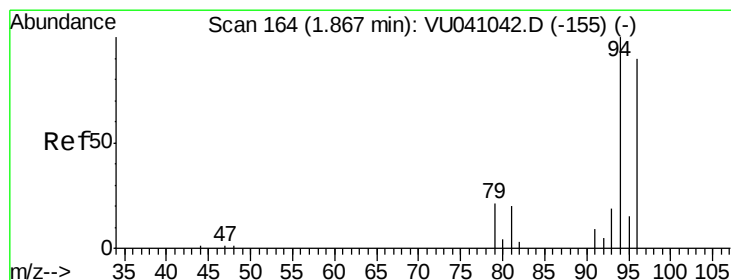
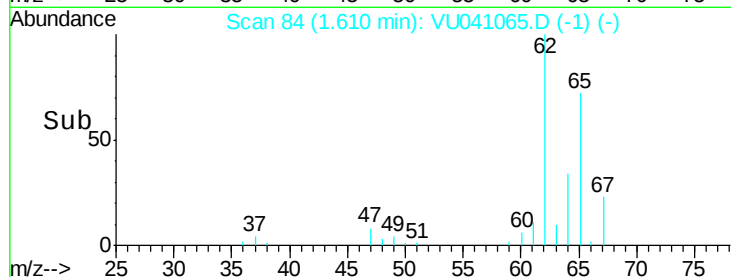
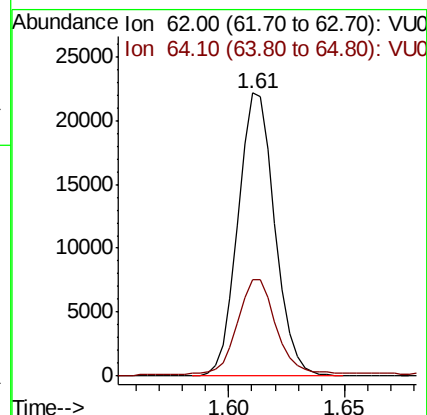
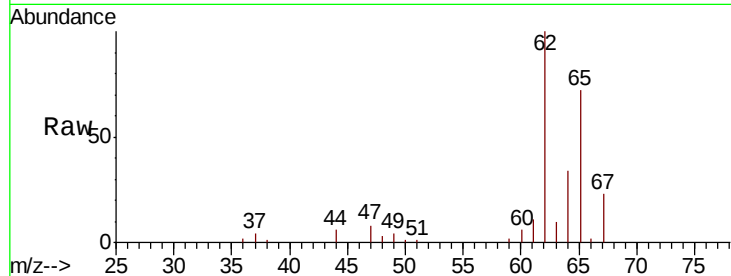
VSTD00513

Tot Ion: 62 Resp: 24322

Ion Ratio Lower Upper

62 100

64 34.0 22.7 42.3



#6

Bromomethane

Concen: 4.636 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041065.D

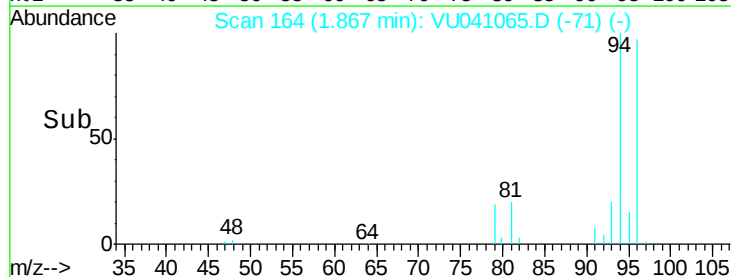
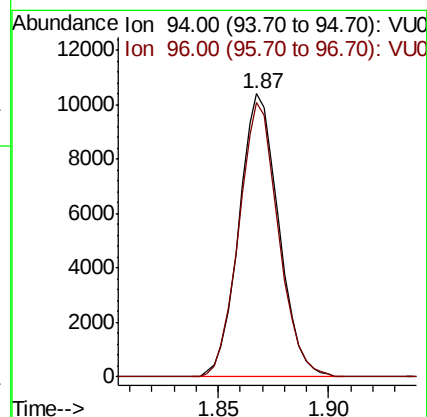
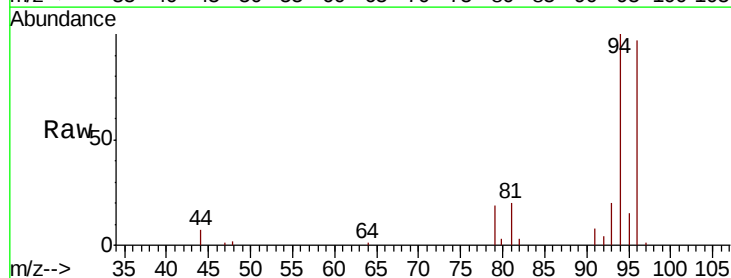
Acq: 03 Nov 2020 09:24

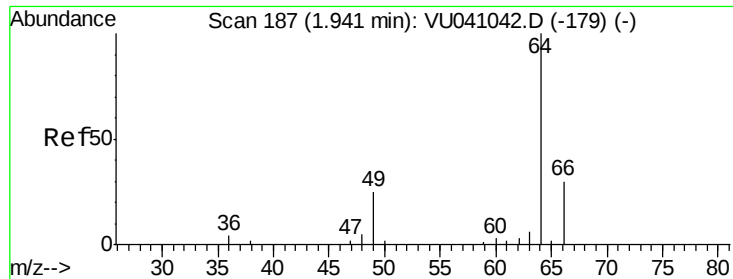
Tgt Ion: 94 Resp: 13047

Ion Ratio Lower Upper

94 100

96 96.8 63.5 117.9

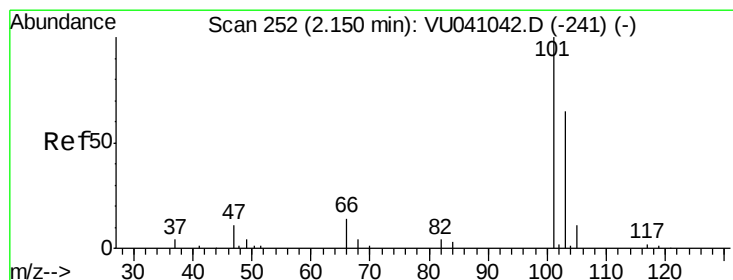
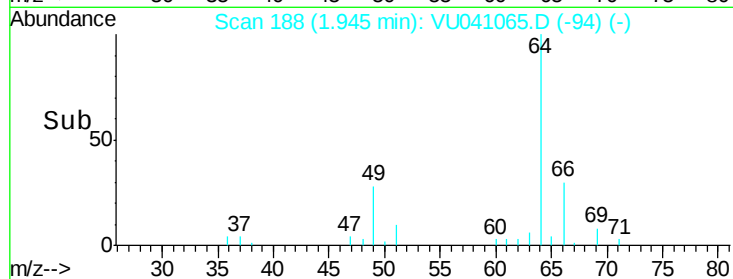
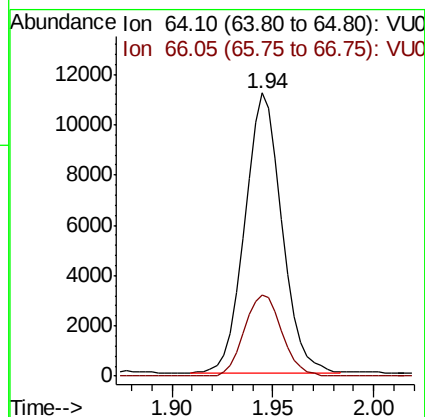
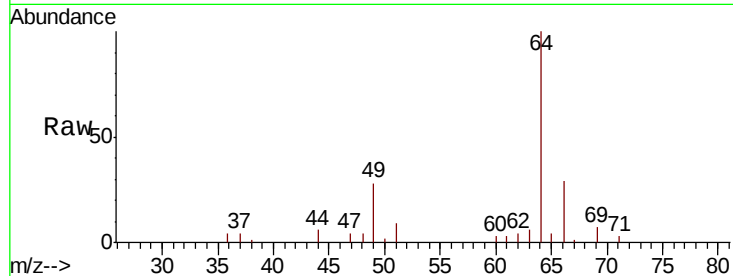




#8
 Chloroethane
 Concen: 4.610 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

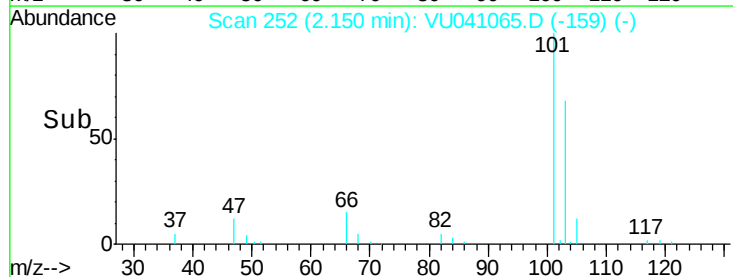
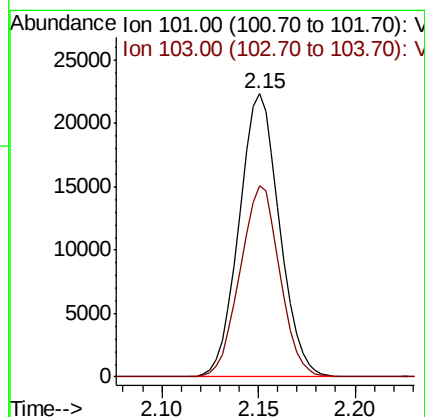
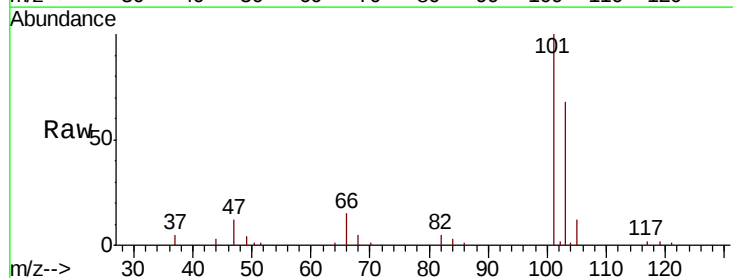
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

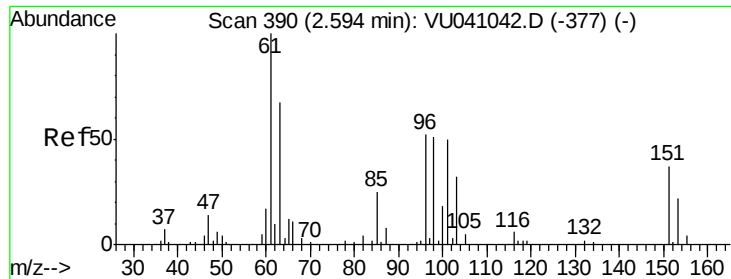
Tot Ion: 64 Resp: 14340
 Ion Ratio Lower Upper
 64 100
 66 28.9 22.3 41.5



#9
 Trichlorofluoromethane
 Concen: 4.856 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

Tgt Ion: 101 Resp: 32410
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.0 76.4





#10

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

Concen: 5.004 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

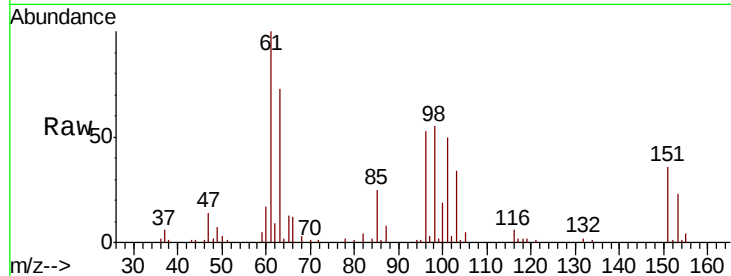
Tot Ion:101 Resp: 19573

Ion Ratio Lower Upper

101 100

85 46.8 35.0 52.4

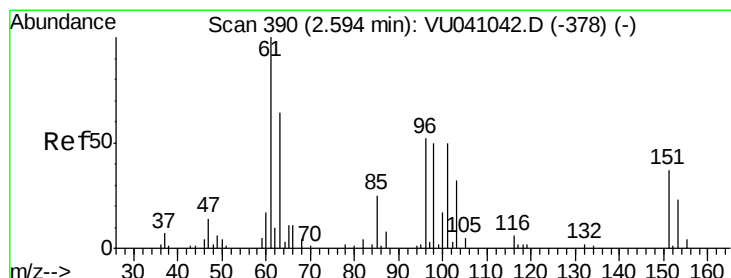
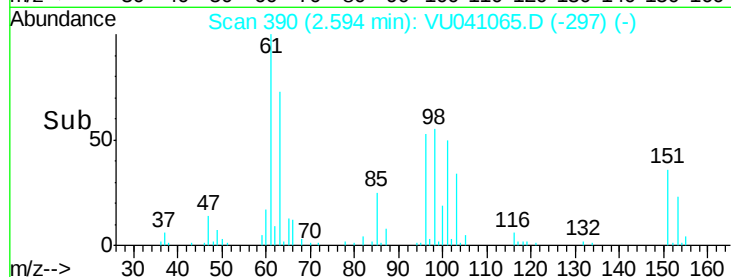
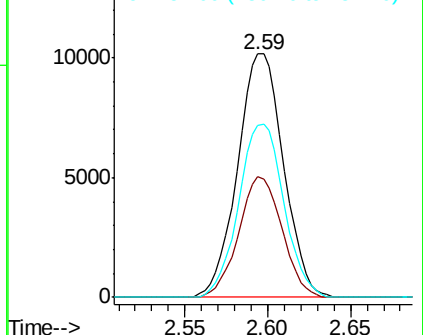
151 70.0 55.3 82.9



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: 4.806 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

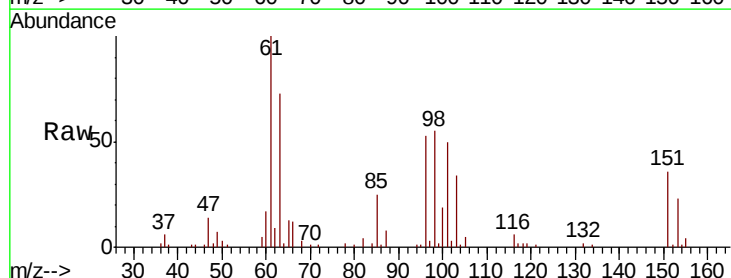
Tgt Ion: 96 Resp: 17750

Ion Ratio Lower Upper

96 100

61 189.9 134.3 249.5

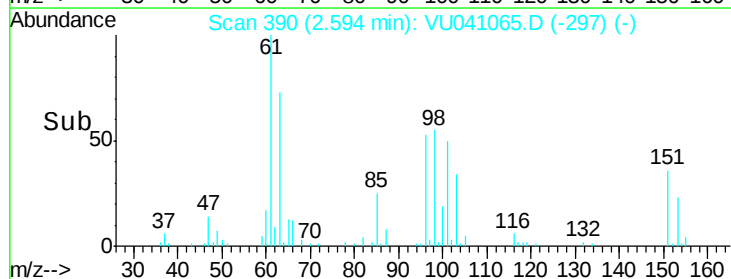
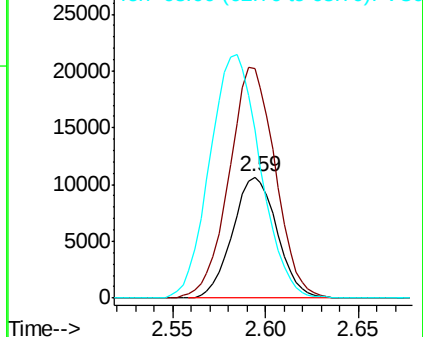
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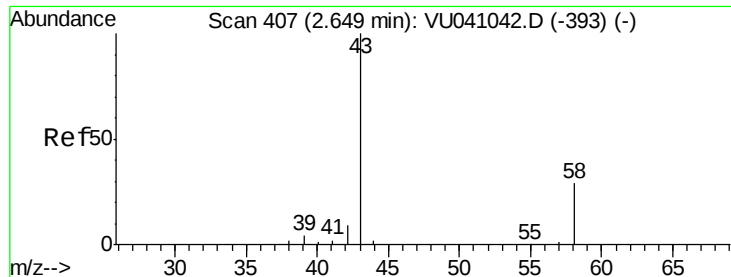


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 60.367 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.02 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

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ClientSampleId :

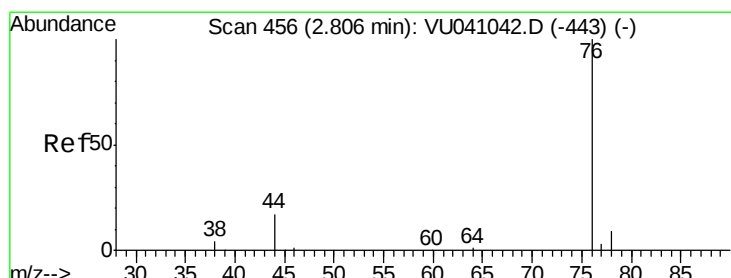
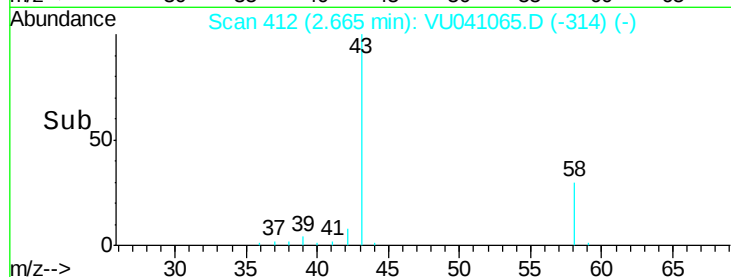
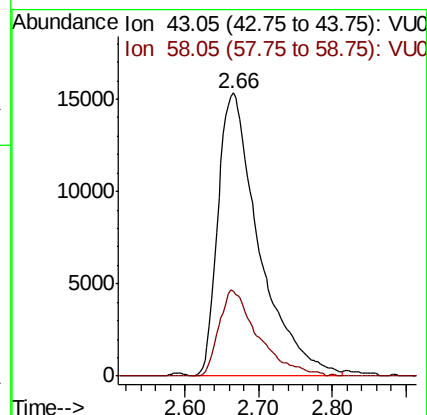
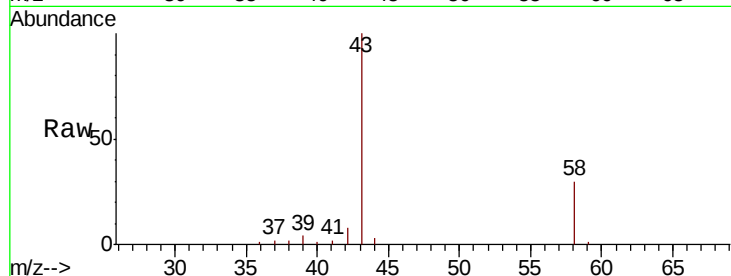
VSTD00513

Tot Ion: 43 Resp: 59695

Ion Ratio Lower Upper

43 100

58 28.6 0.0 25.4#



#14

Carbon disulfide

Concen: 4.449 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU041065.D

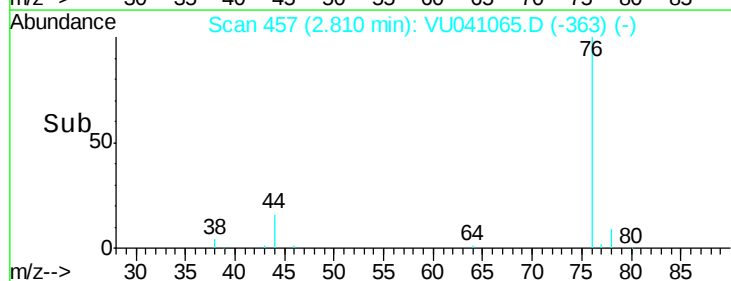
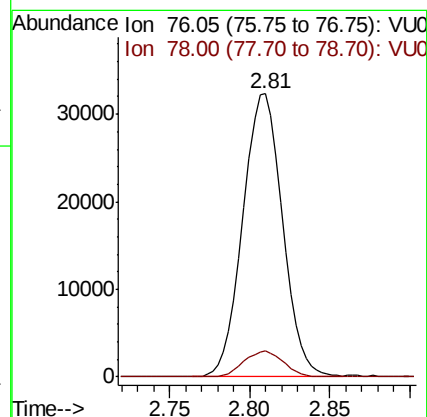
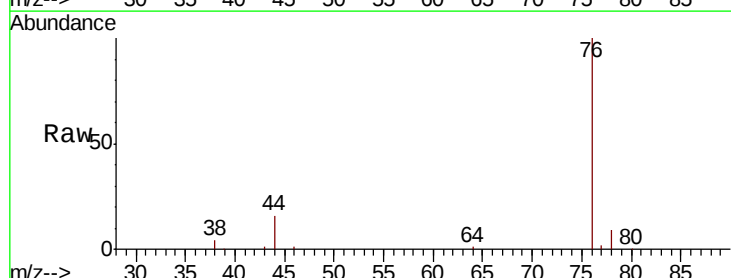
Acq: 03 Nov 2020 09:24

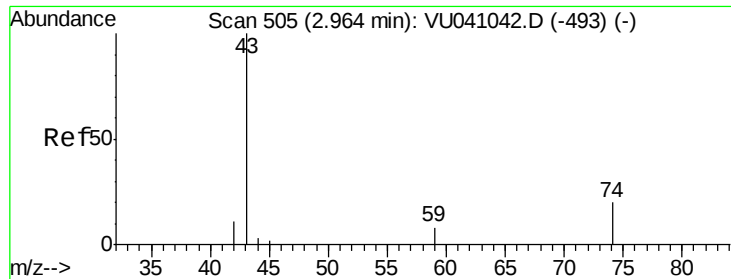
Tgt Ion: 76 Resp: 54905

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

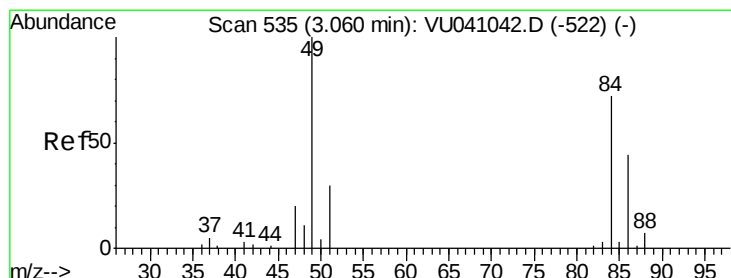
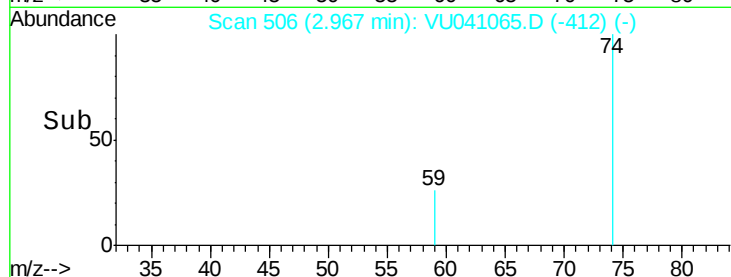
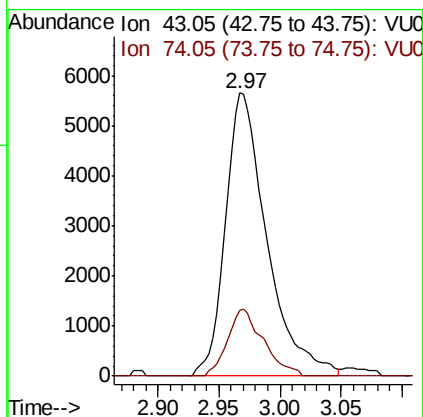
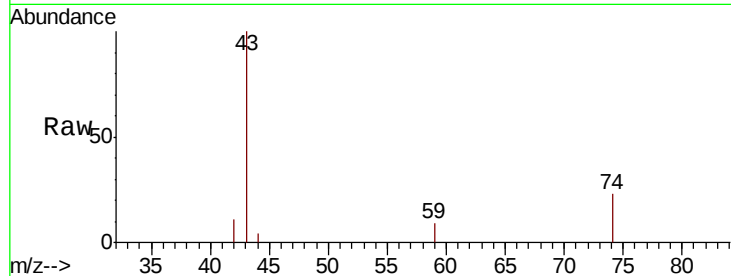




#15
Methvl Acetate
Concen: 5.916 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

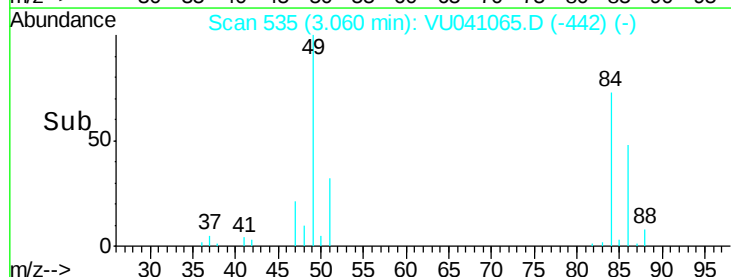
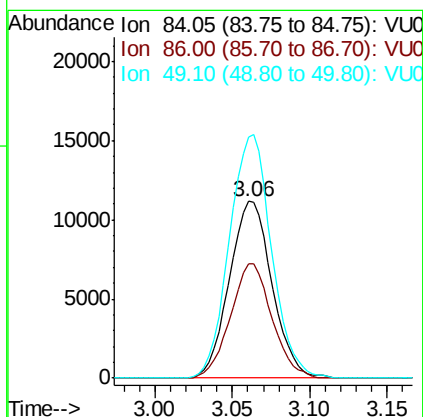
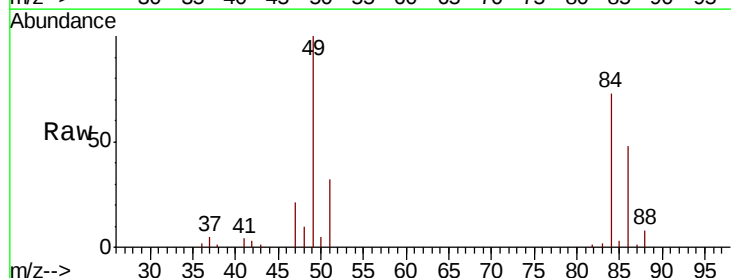
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

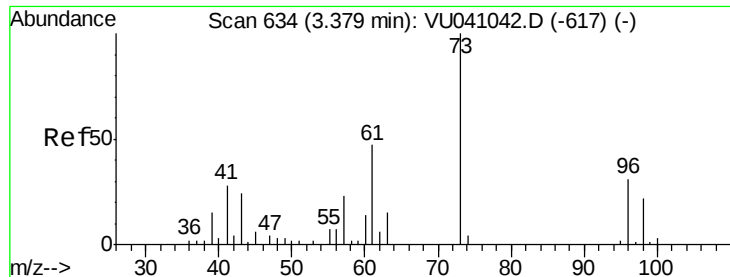
Tot Ion: 43 Resp: 13386
Ion Ratio Lower Upper
43 100
74 20.6 18.3 27.5



#16
Methylene chloride
Concen: 4.962 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

Tgt Ion: 84 Resp: 21353
Ion Ratio Lower Upper
84 100
86 64.8 42.8 79.6
49 136.4 99.5 184.7

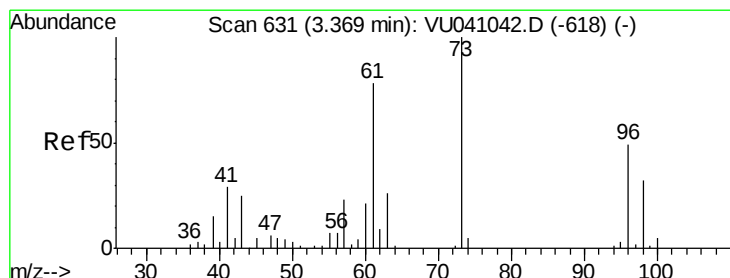
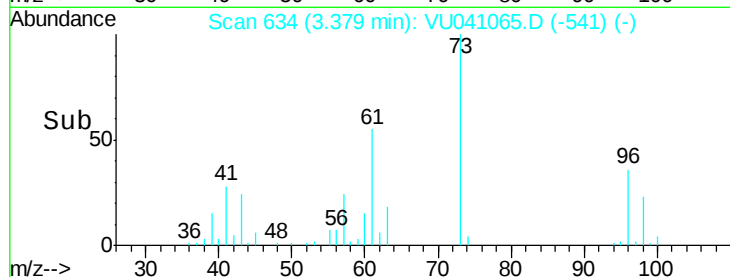
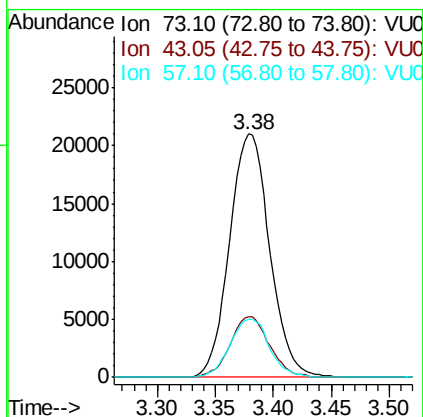
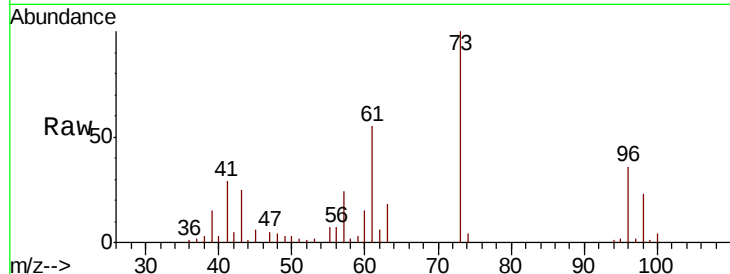




#17
Methvl tert-butvl Ether
Concen: 5.307 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

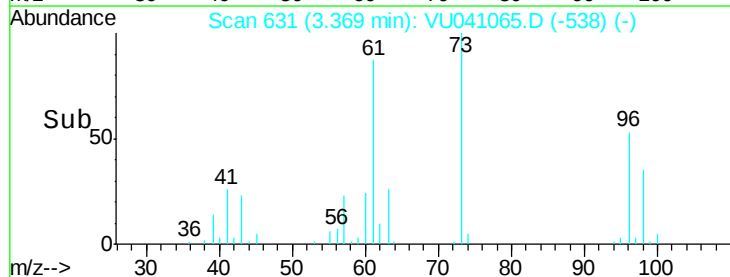
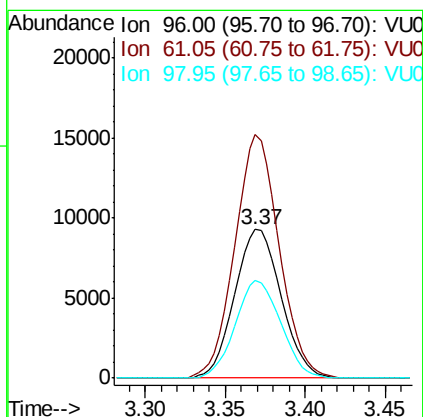
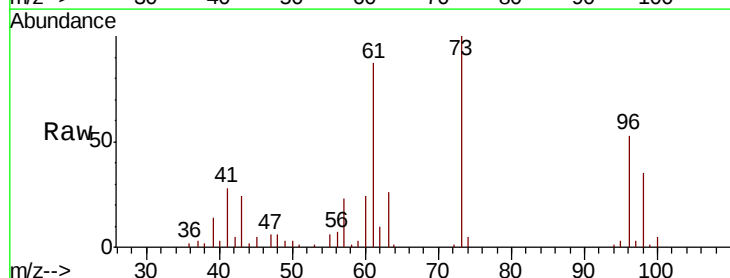
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

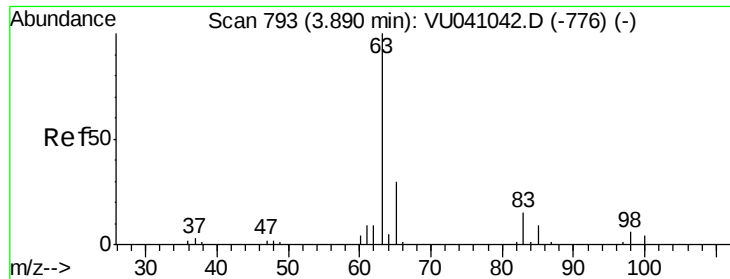
Tot Ion: 73 Resp: 50444
Ion Ratio Lower Upper
73 100
43 24.4 18.5 27.7
57 23.5 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.906 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

Tgt Ion: 96 Resp: 18414
Ion Ratio Lower Upper
96 100
61 163.6 110.9 205.9
98 65.5 45.4 84.2

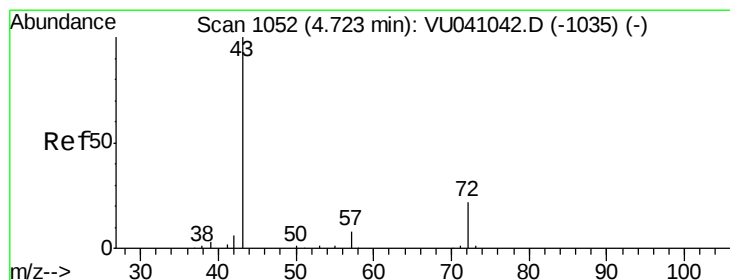
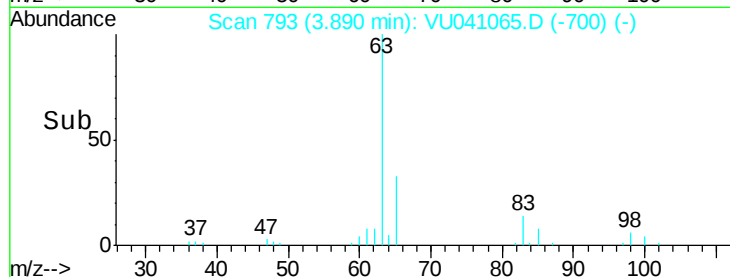
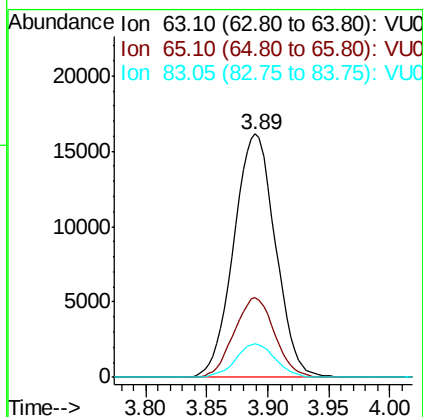
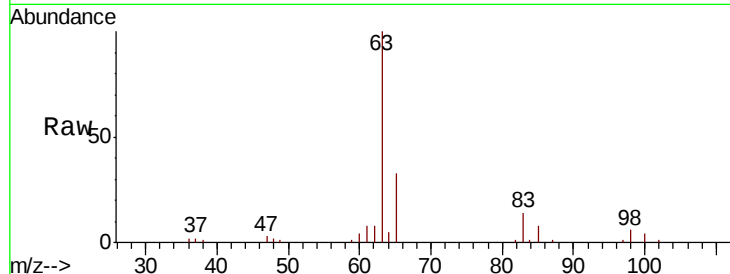




#19
 1,1-Dichloroethane
 Concen: 5.089 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

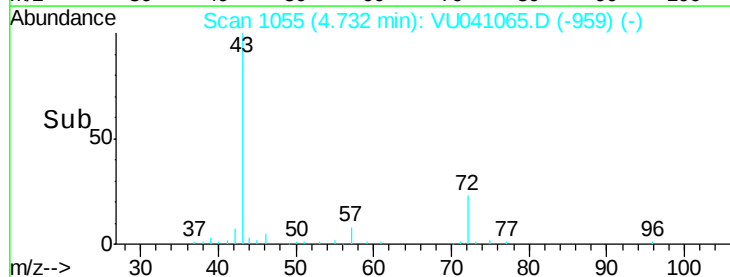
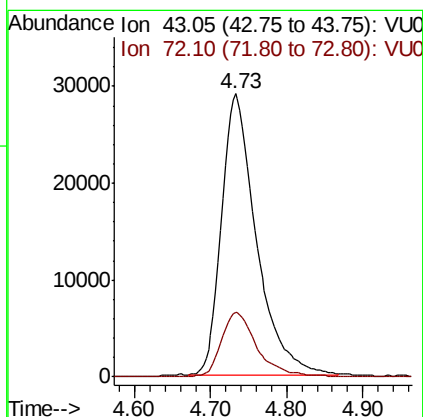
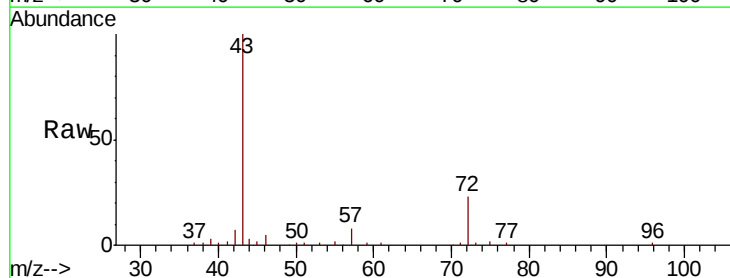
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

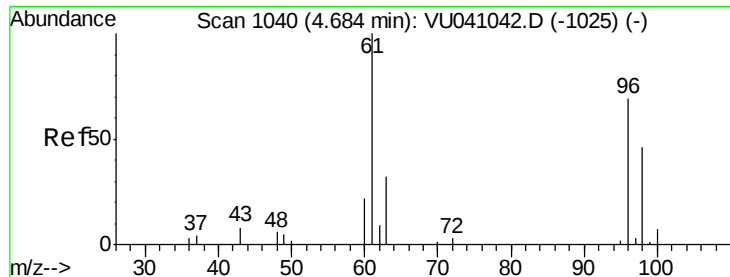
Tot Ion: 63 Resp: 38184
 Ion Ratio Lower Upper
 63 100
 65 32.9 21.3 39.6
 83 13.7 8.8 16.3



#21
 2-Butanone
 Concen: 59.693 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

Tgt Ion: 43 Resp: 92257
 Ion Ratio Lower Upper
 43 100
 72 23.6 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 5.187 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

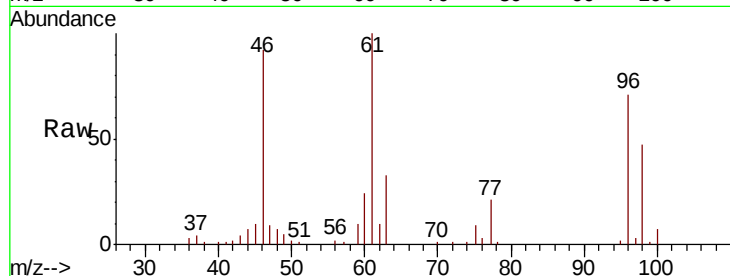
Tot Ion: 96 Resp: 20079

Ion Ratio Lower Upper

96 100

61 140.4 97.2 180.4

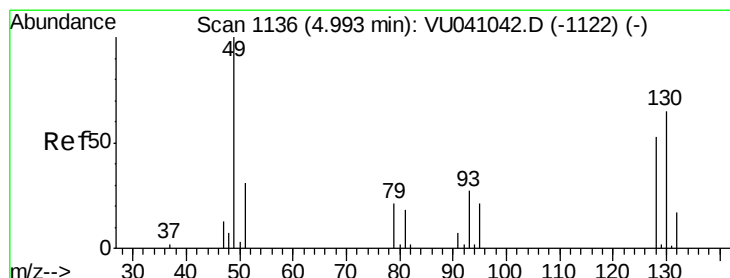
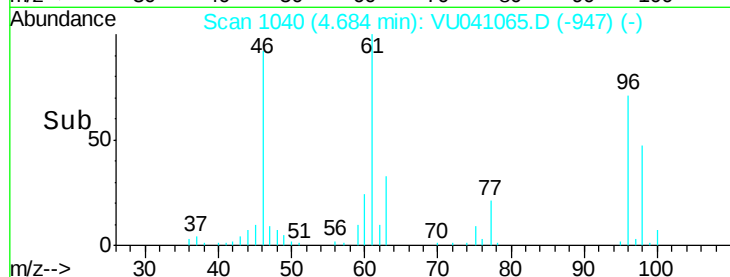
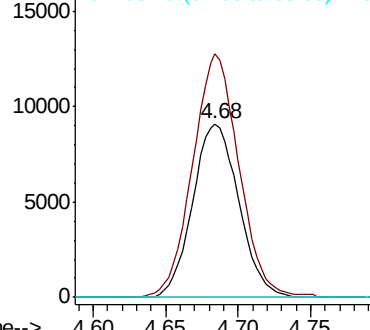
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.517 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

Tgt Ion: 128 Resp: 10075

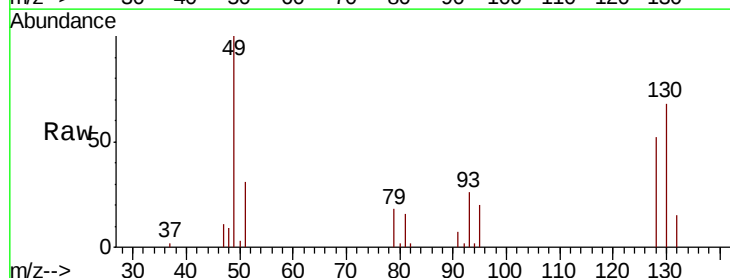
Ion Ratio Lower Upper

128 100

49 191.0 135.0 250.8

130 129.3 89.9 167.0

51 59.1 51.9 77.9

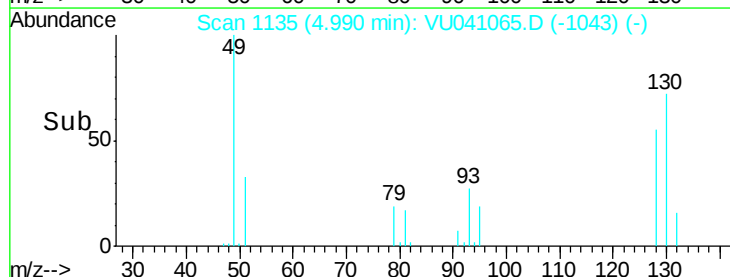
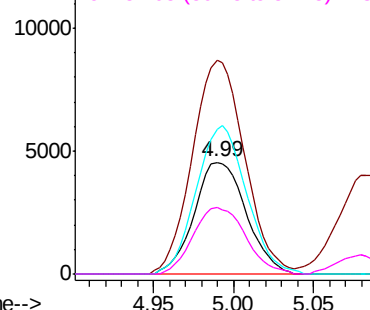


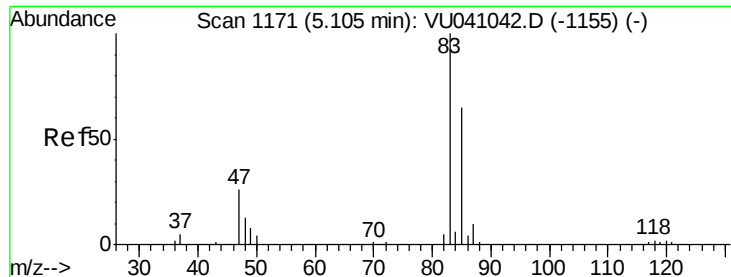
Abundance Ion 127.90 (127.60 to 128.60): V

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

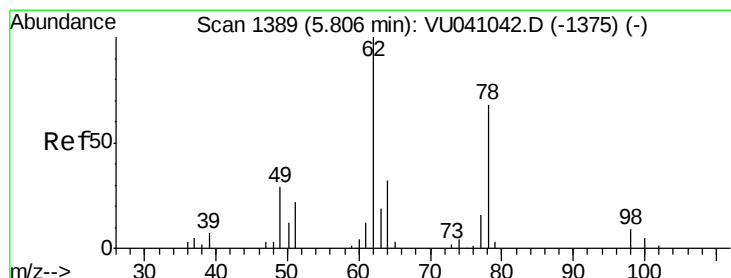
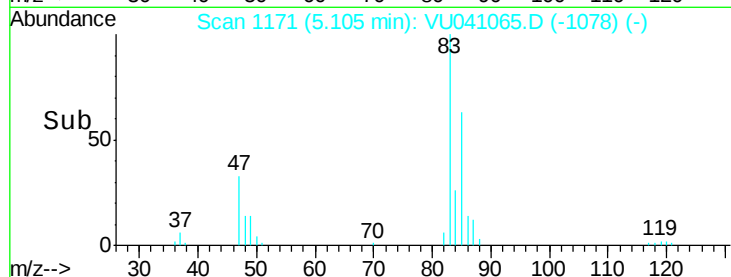
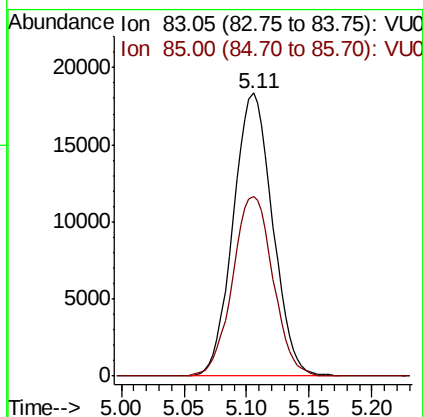
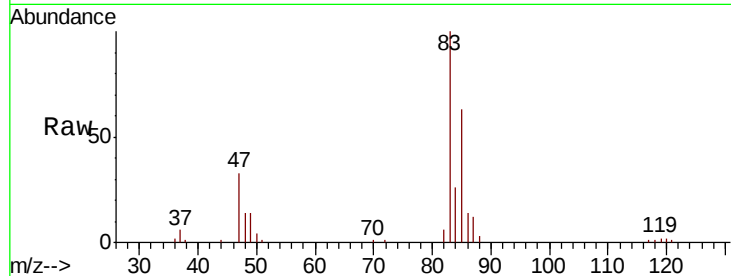




#25
Chloroform
Concen: 5.325 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

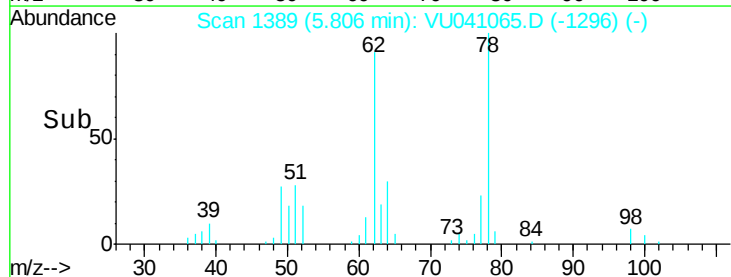
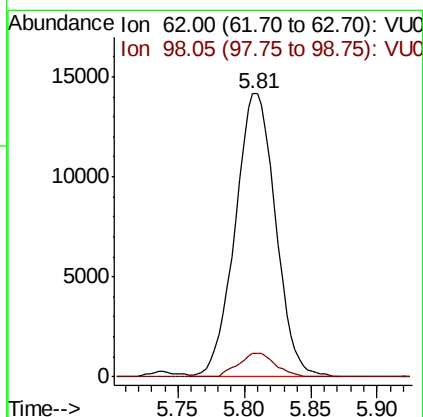
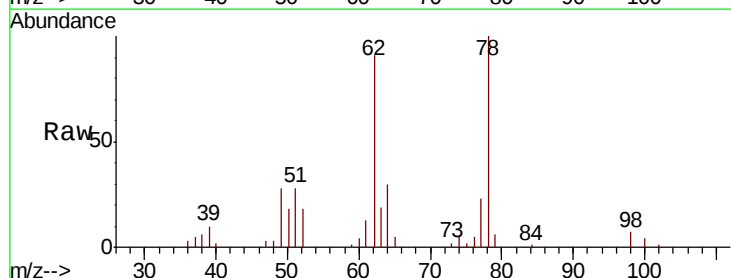
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

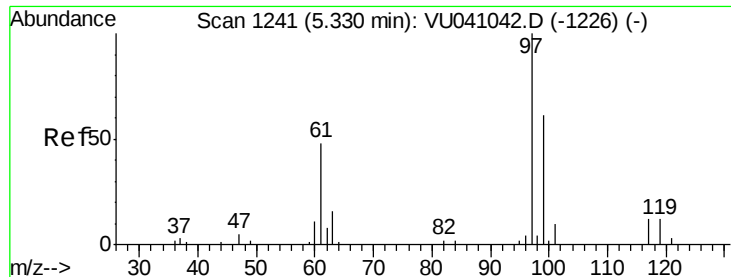
Tot Ion: 83 Resp: 40065
Ion Ratio Lower Upper
83 100
85 63.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.360 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

Tgt Ion: 62 Resp: 30038
Ion Ratio Lower Upper
62 100
98 8.1 7.6 11.4

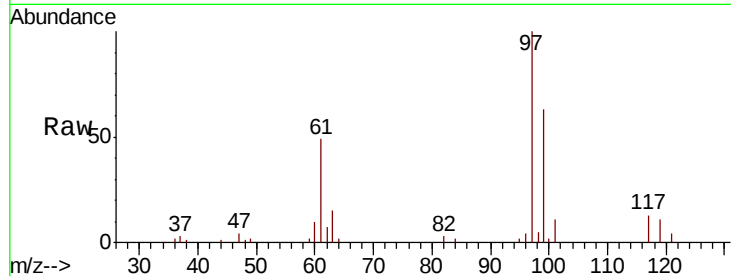




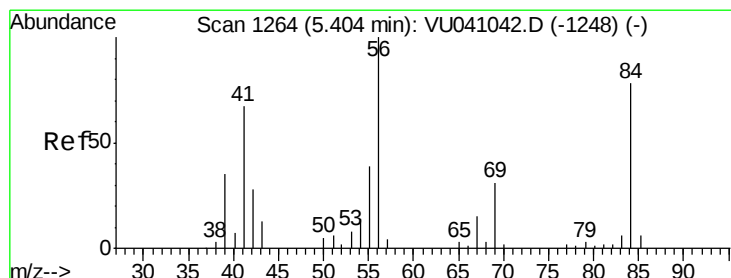
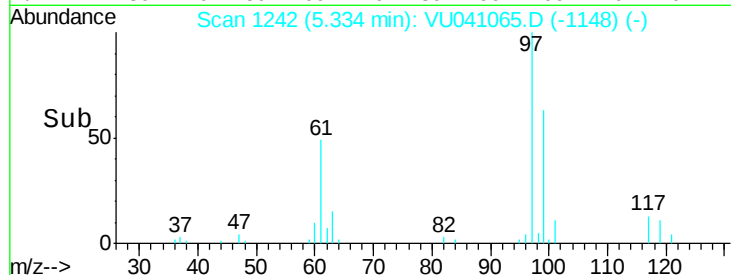
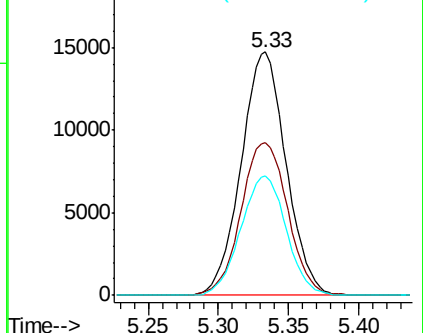
#29
 1,1,1-Trichloroethane
 Concen: 5.172 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion: 97 Resp: 32821
 Ion Ratio Lower Upper
 97 100
 99 65.2 53.4 80.0
 61 49.6 41.6 62.4

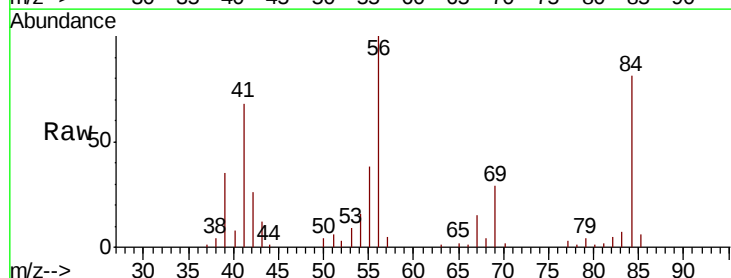


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

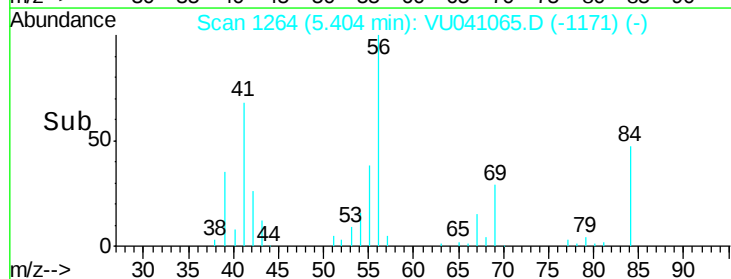
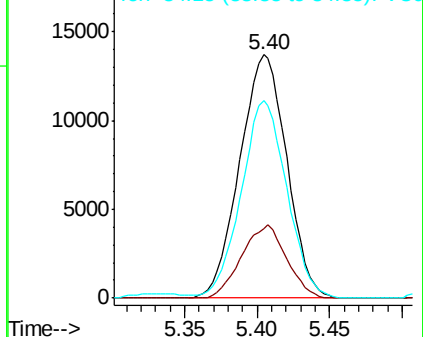


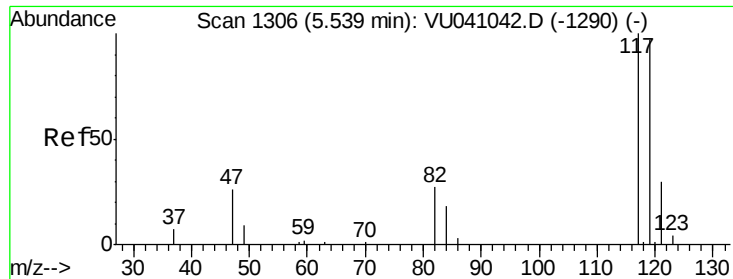
#30
 Cyclohexane
 Concen: 4.943 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

Tgt Ion: 56 Resp: 30904
 Ion Ratio Lower Upper
 56 100
 69 28.7 22.8 34.2
 84 79.0 63.6 95.4



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





#31

Carbon tetrachloride

Concen: 5.186 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

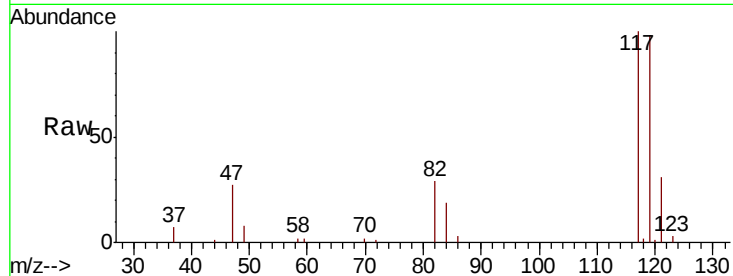
VSTD00513

Tot Ion:117 Resp: 29140

Ion Ratio Lower Upper

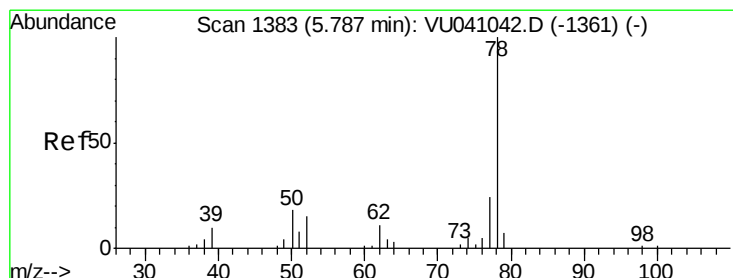
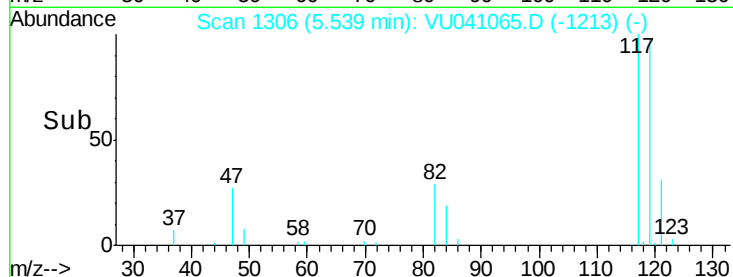
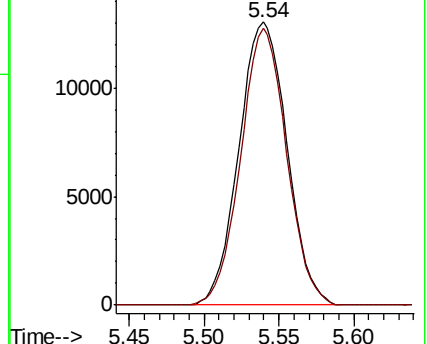
117 100

119 93.3 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.214 ug/L

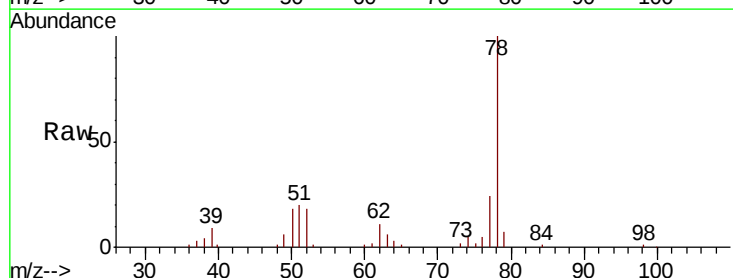
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

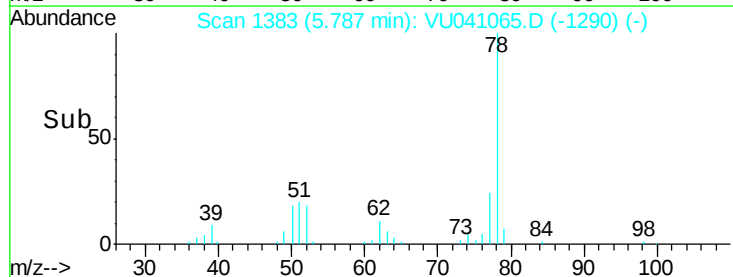
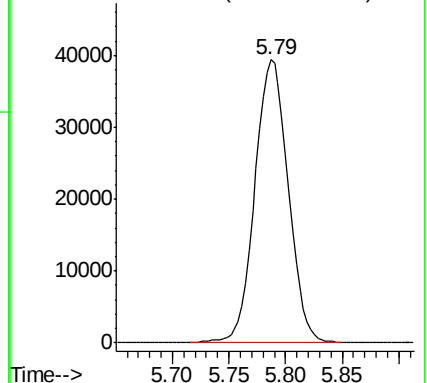
Lab File: VU041065.D

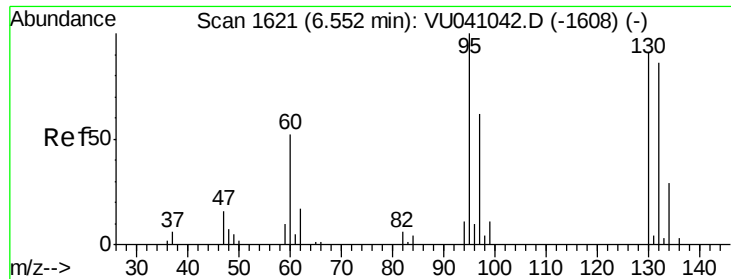
Acq: 03 Nov 2020 09:24

Tgt Ion: 78 Resp: 80829



Abundance Ion 78.10 (77.80 to 78.80): VU0

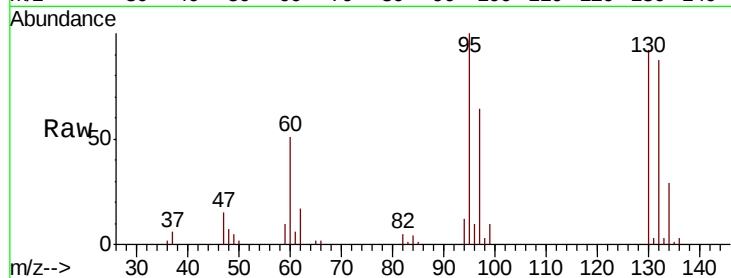




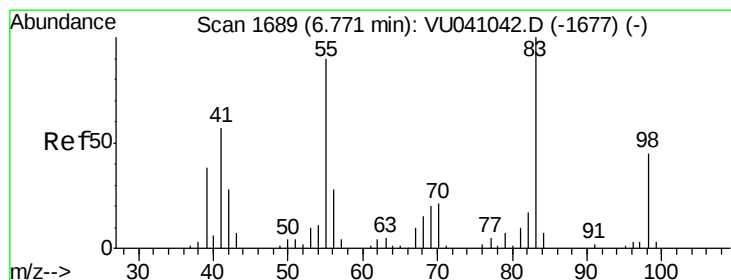
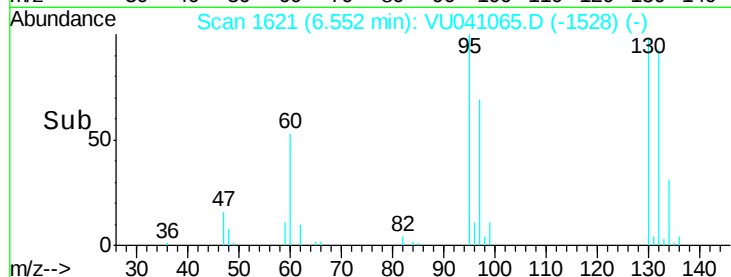
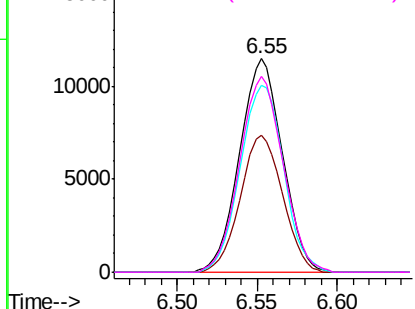
#34
 Trichloroethene
 Concen: 5.317 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion: 95 Resp: 20980
 Ion Ratio Lower Upper
 95 100
 97 64.2 45.6 84.6
 132 87.4 64.8 120.4
 130 91.6 64.8 120.4

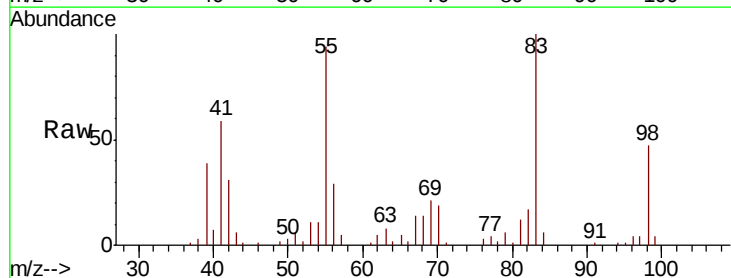


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

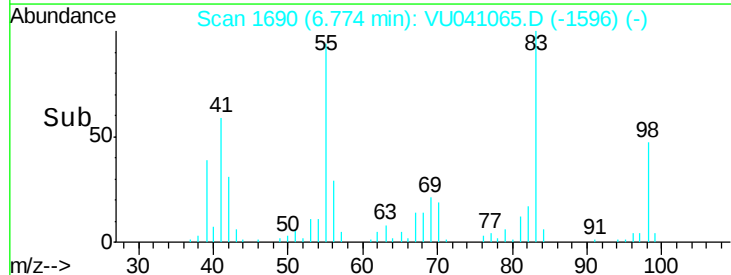
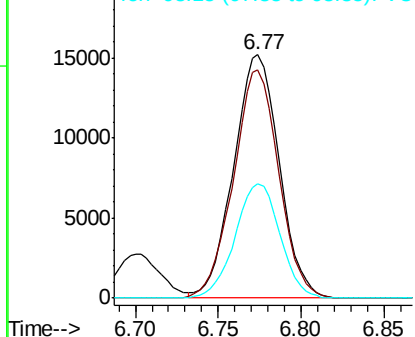


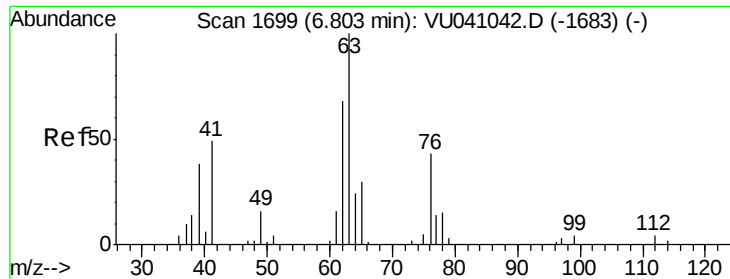
#35
 Methylcyclohexane
 Concen: 4.955 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

Tgt Ion: 83 Resp: 29160
 Ion Ratio Lower Upper
 83 100
 55 93.0 72.0 108.0
 98 46.3 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

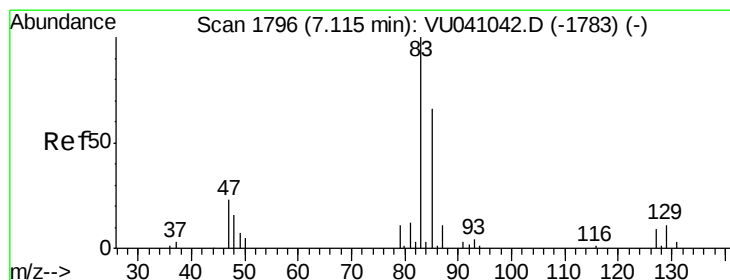
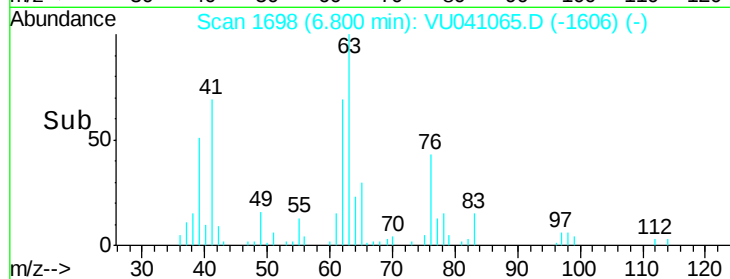
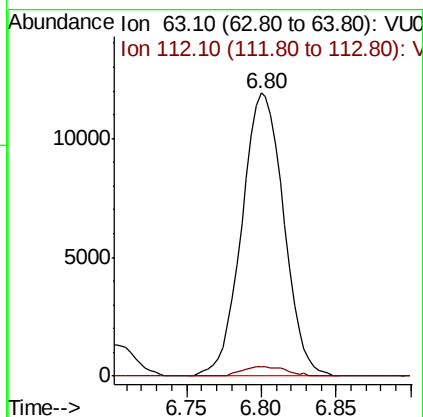
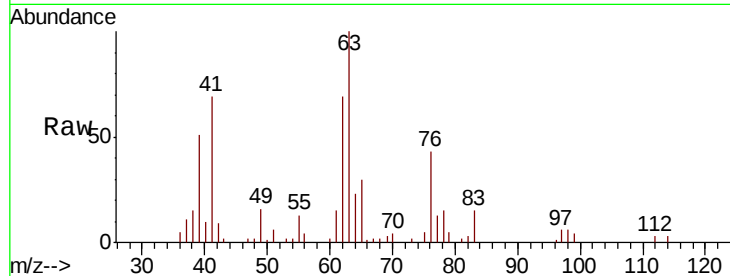




#37
 1,2-Dichloropropane
 Concen: 5.536 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

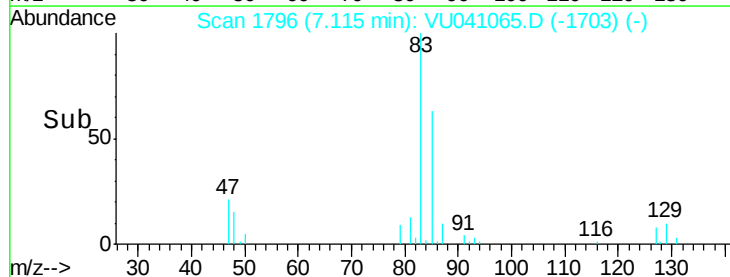
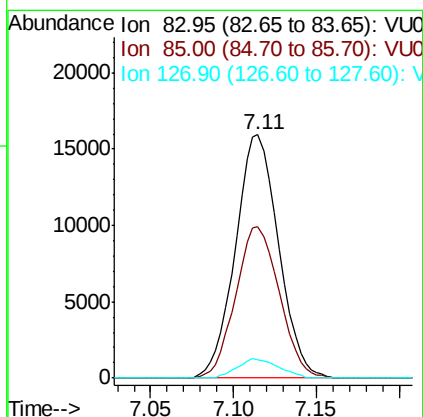
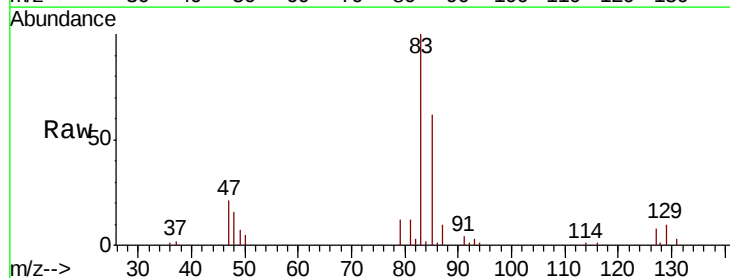
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00513

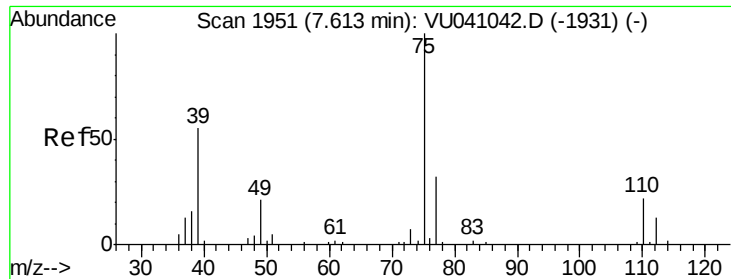
Tot Ion: 63 Resp: 23223
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 5.303 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

Tgt Ion: 83 Resp: 28854
 Ion Ratio Lower Upper
 83 100
 85 62.2 43.3 80.3
 127 7.7 5.9 8.9

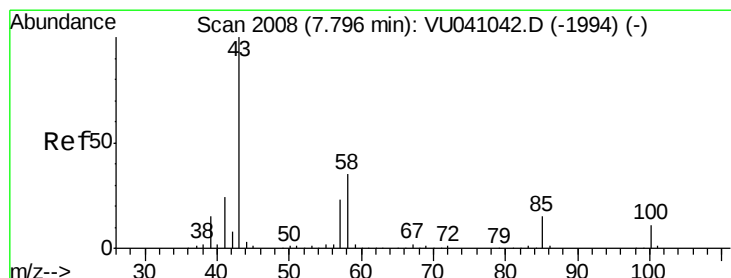
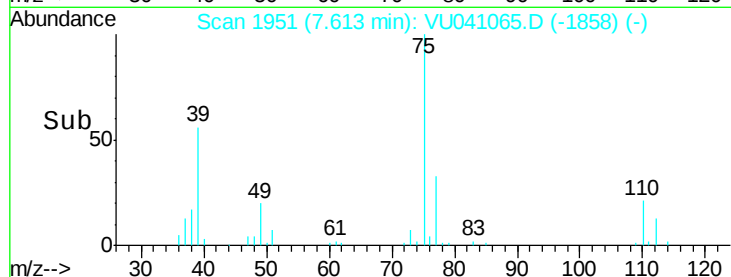
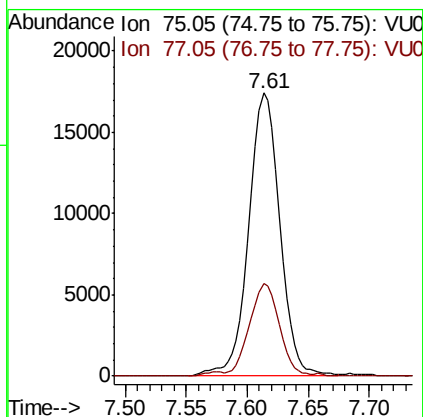
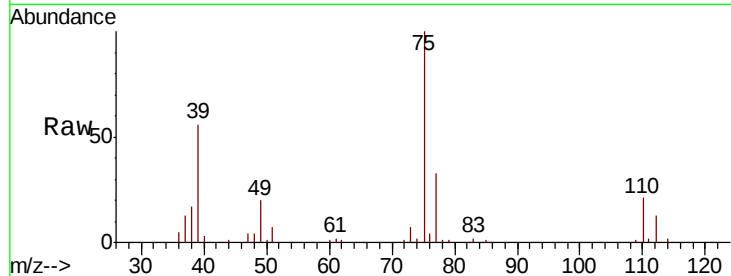




#39
 cis-1,3-Dichloropropene
 Concen: 5.323 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

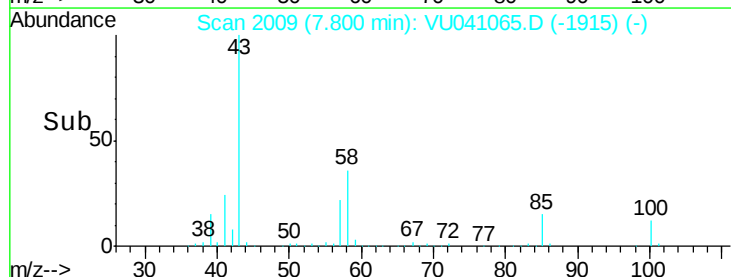
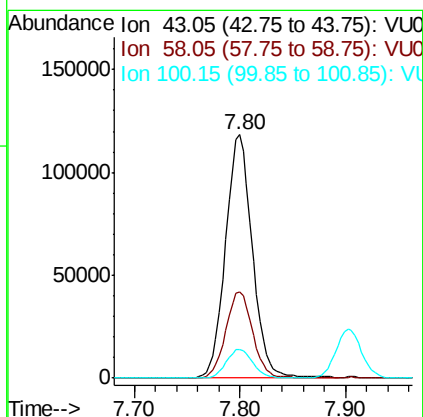
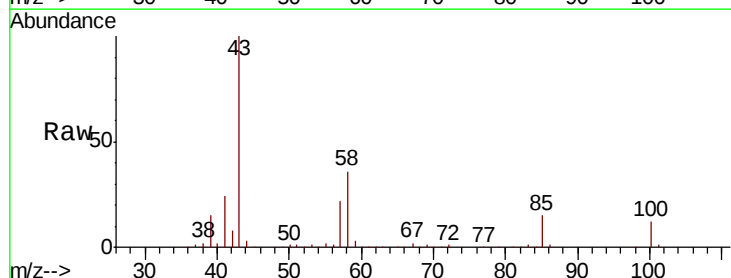
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

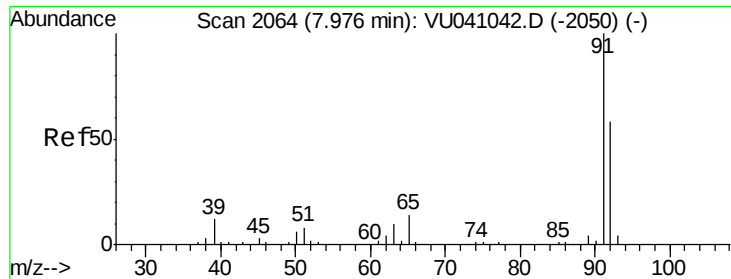
Tot Ion: 75 Resp: 30743
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 62.223 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

Tgt Ion: 43 Resp: 208124
 Ion Ratio Lower Upper
 43 100
 58 35.5 29.8 44.6
 100 11.8 10.5 15.7





#42

Toluene

Concen: 5.396 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

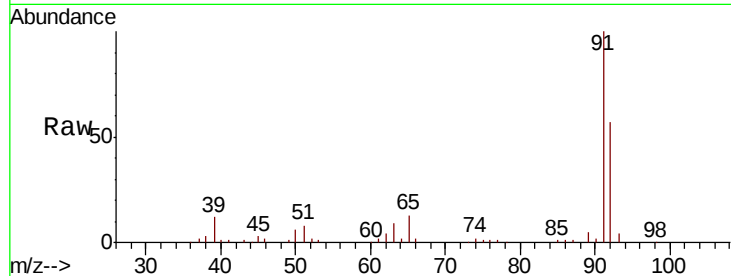
VSTD00513

Tot Ion: 91 Resp: 84831

Ion Ratio Lower Upper

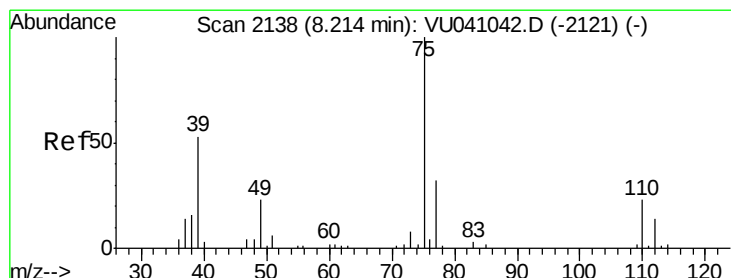
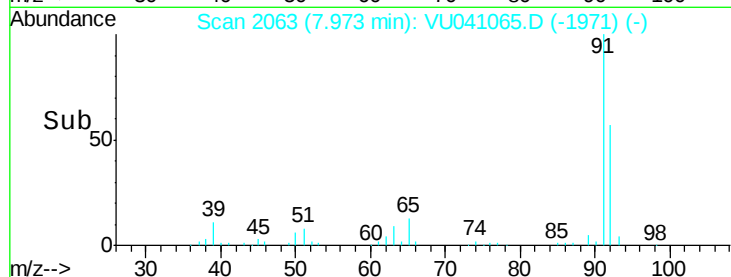
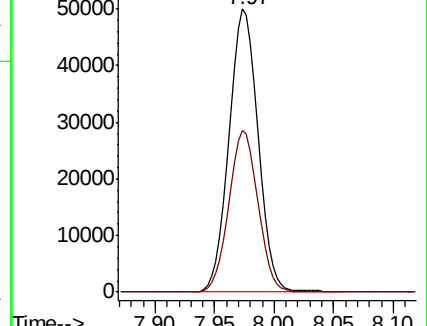
91 100

92 57.1 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.618 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041065.D

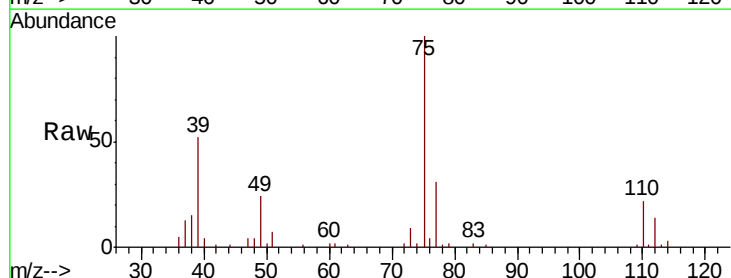
Acq: 03 Nov 2020 09:24

Tgt Ion: 75 Resp: 30368

Ion Ratio Lower Upper

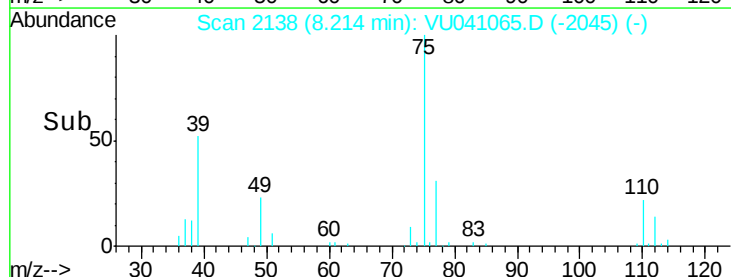
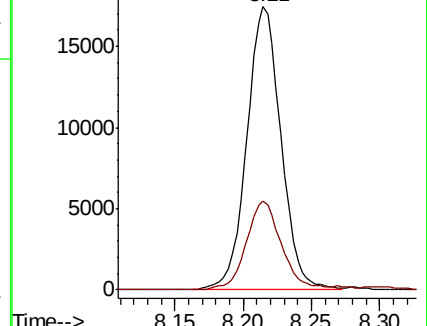
75 100

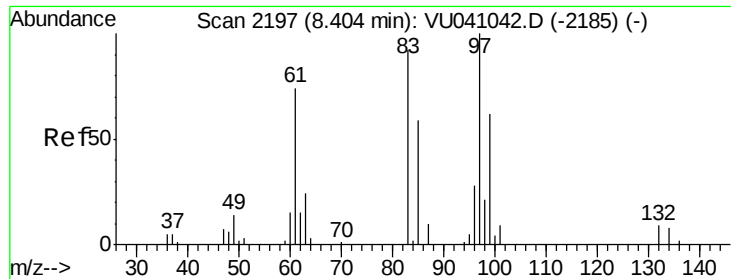
77 31.4 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

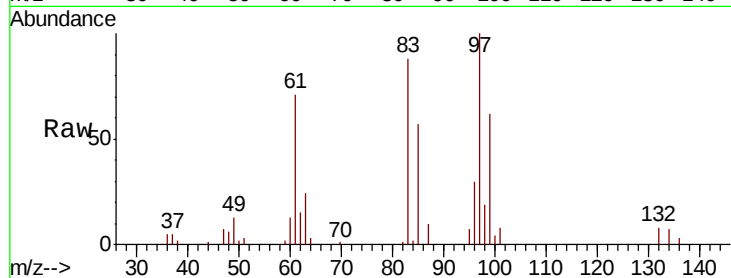




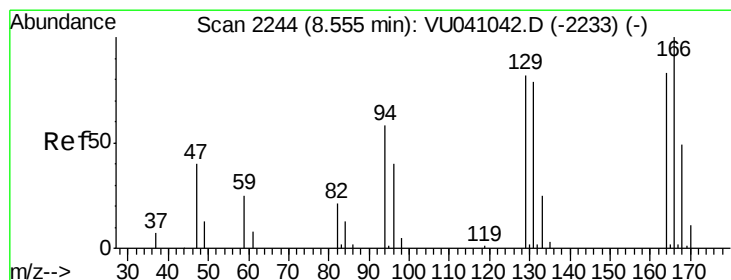
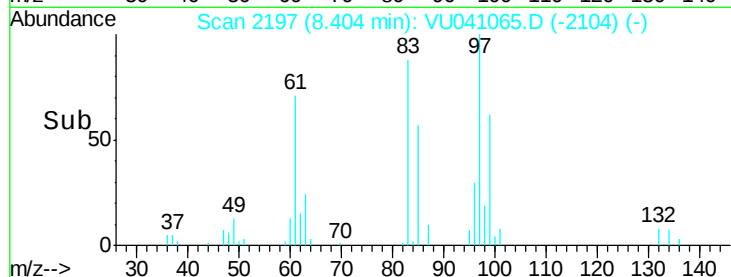
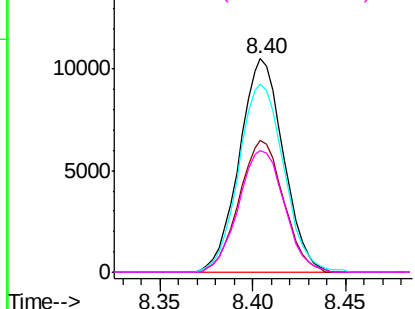
#45
 1,1,2-Trichloroethane
 Concen: 5.561 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion:	97	Resp:	17366
Ion	Ratio	Lower	Upper
97	100		
99	61.8	45.8	85.2
83	88.3	67.9	126.1
85	57.1	42.8	79.6

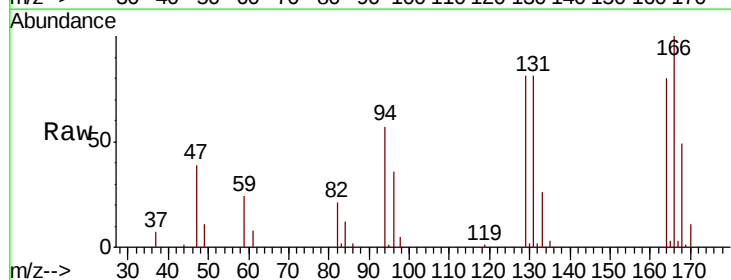


Abundance Ion 96.95 (96.65 to 97.65): VU041065.D (-2104) (-)
 Ion 99.05 (98.75 to 99.75): VU041065.D (-2104) (-)
 Ion 82.95 (82.65 to 83.65): VU041065.D (-2104) (-)
 Ion 85.00 (84.70 to 85.70): VU041065.D (-2104) (-)

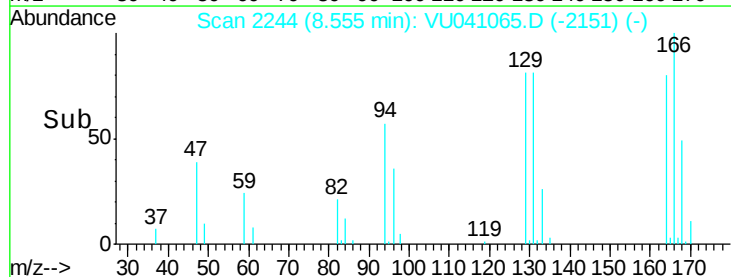
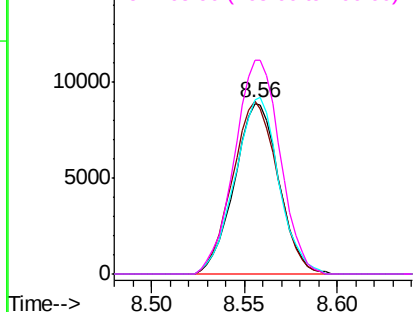


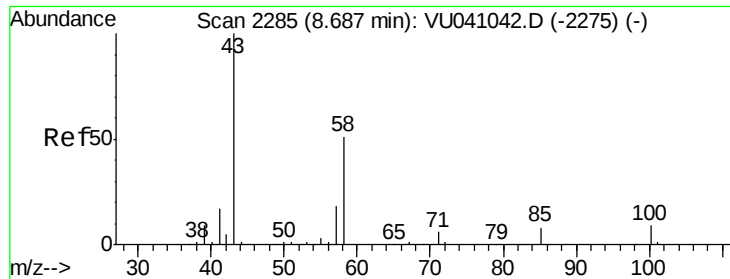
#47
 Tetrachloroethene
 Concen: 5.098 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

Tgt Ion:	164	Resp:	14789
Ion	Ratio	Lower	Upper
164	100		
129	100.8	70.3	130.7
131	101.6	70.8	131.4
166	124.9	92.0	170.8



Abundance Ion 163.90 (163.60 to 164.60): VU041065.D (-2151) (-)
 Ion 128.95 (128.65 to 129.65): VU041065.D (-2151) (-)
 Ion 130.95 (130.65 to 131.65): VU041065.D (-2151) (-)
 Ion 165.90 (165.60 to 166.60): VU041065.D (-2151) (-)

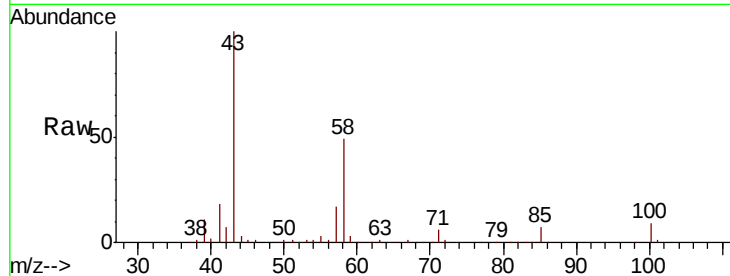




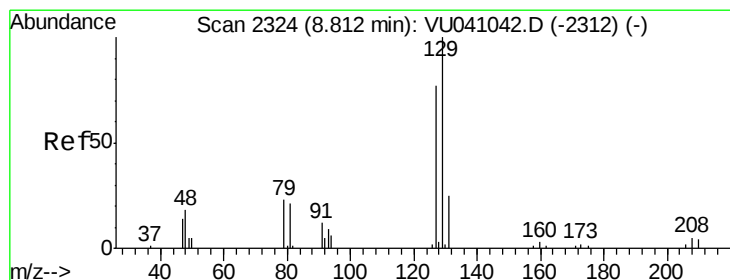
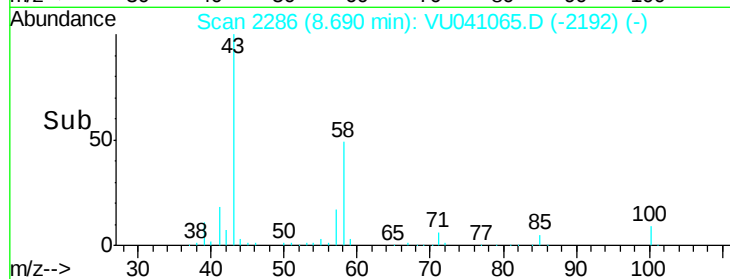
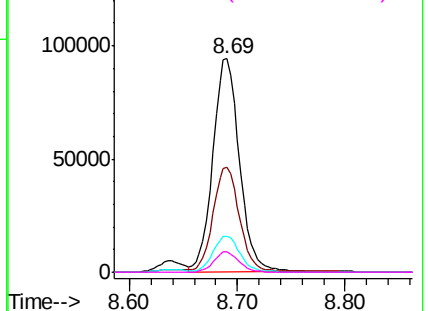
#48
2-Hexanone
Concen: 64.047 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion:	43	Resp:	161305
Ion	Ratio	Lower	Upper
43	100		
58	49.1	41.4	62.2
57	17.3	14.6	21.8
100	9.1	8.3	12.5

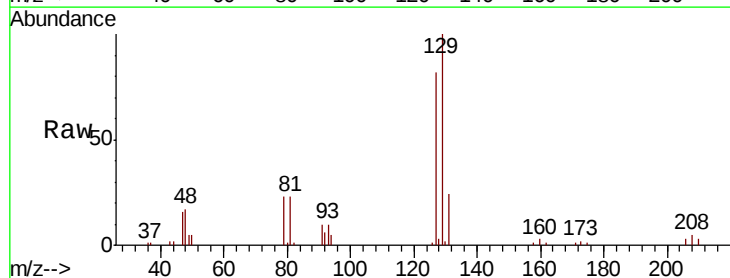


Abundance Ion 43.05 (42.75 to 43.75): VU041065.D (-2192) (-)
Ion 58.05 (57.75 to 58.75): VU041065.D (-2192) (-)
Ion 57.20 (56.90 to 57.90): VU041065.D (-2192) (-)
Ion 100.15 (99.85 to 100.85): VU041065.D (-2192) (-)

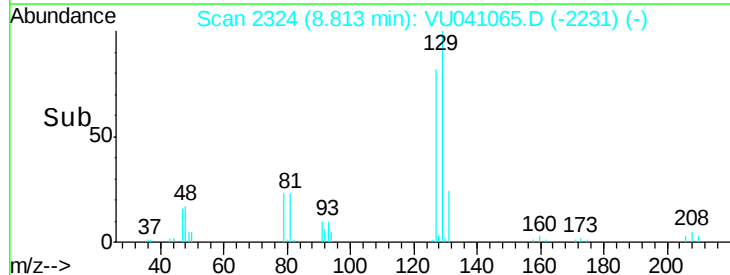
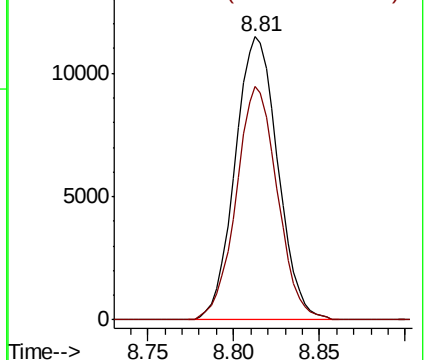


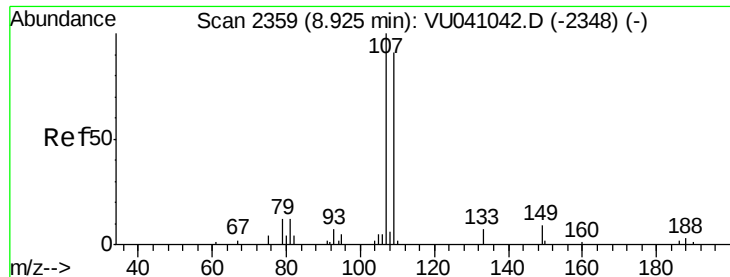
#49
Dibromochloromethane
Concen: 5.482 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

Tgt Ion:	129	Resp:	19881
Ion	Ratio	Lower	Upper
129	100		
127	82.3	53.4	99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041065.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041065.D (-2231) (-)

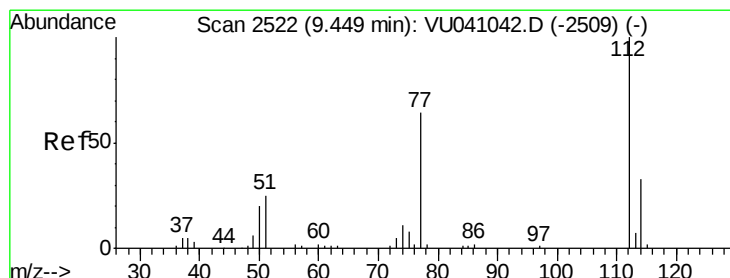
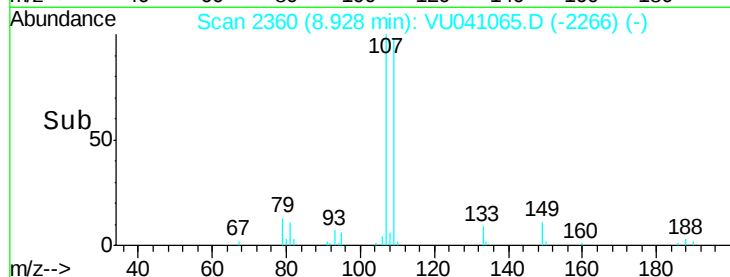
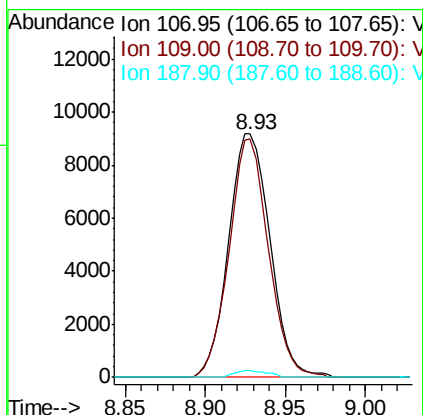
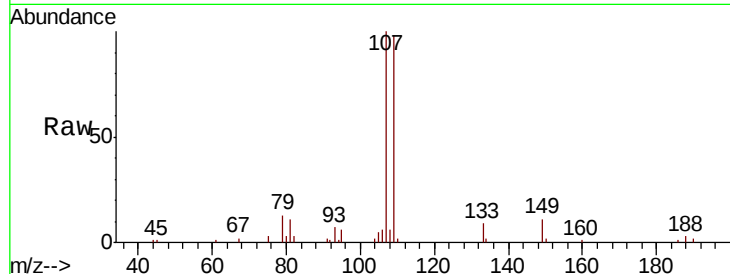




#50
1,2-Dibromoethane
Concen: 5.445 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

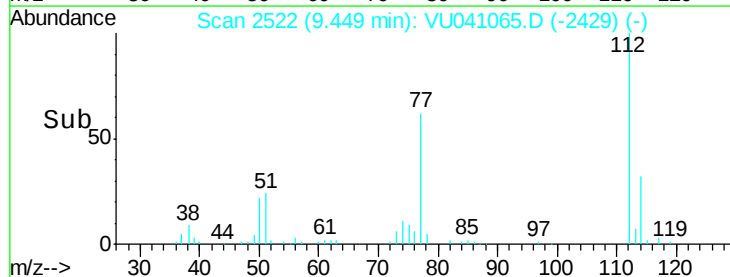
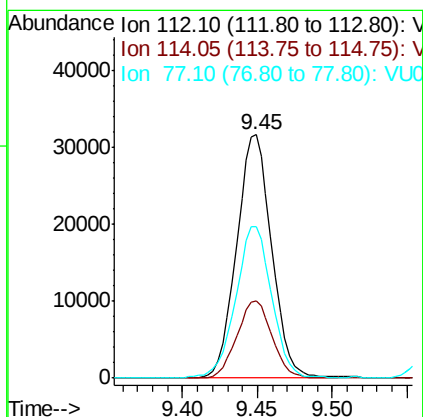
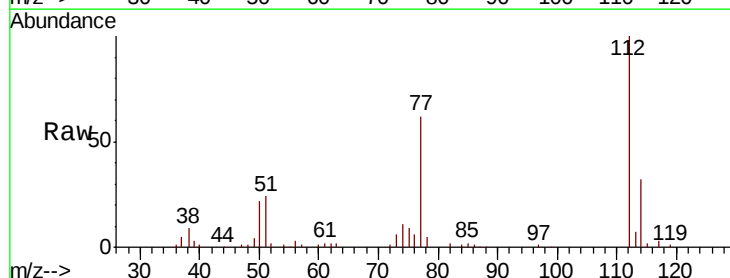
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

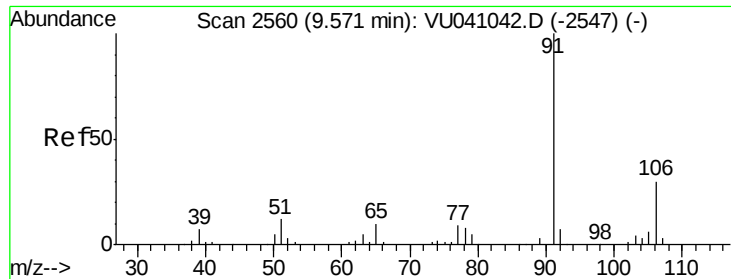
Tot Ion:107 Resp: 16202
Ion Ratio Lower Upper
107 100
109 98.2 65.6 121.8
188 2.7 2.9 4.3#



#51
Chlorobenzene
Concen: 5.167 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

Tgt Ion:112 Resp: 51511
Ion Ratio Lower Upper
112 100
114 31.9 22.4 41.6
77 62.0 51.2 76.8

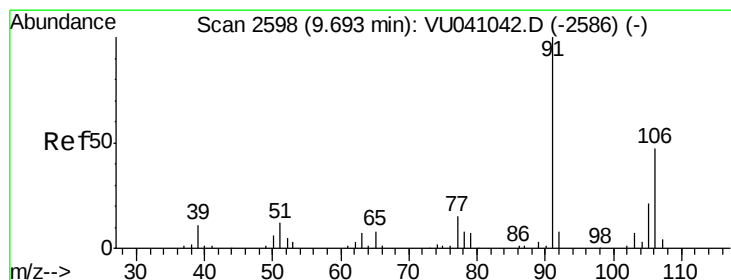
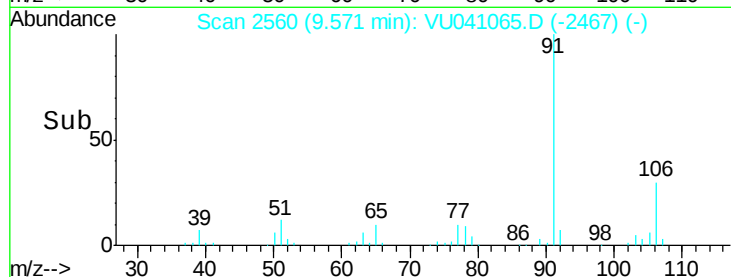
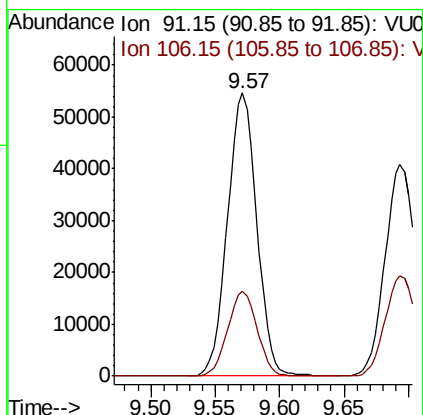
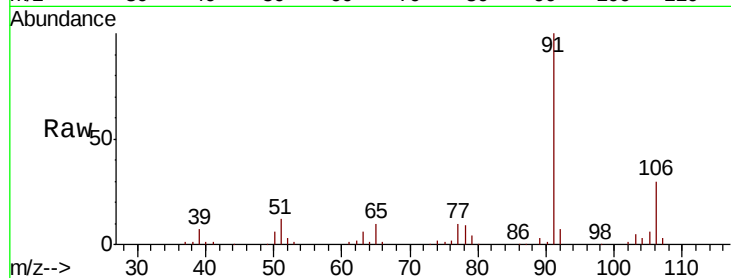




#52
Ethylbenzene
Concen: 5.208 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

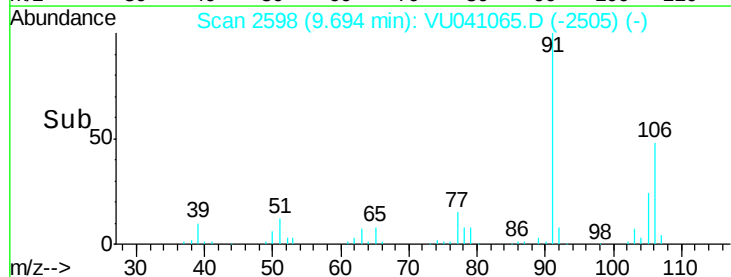
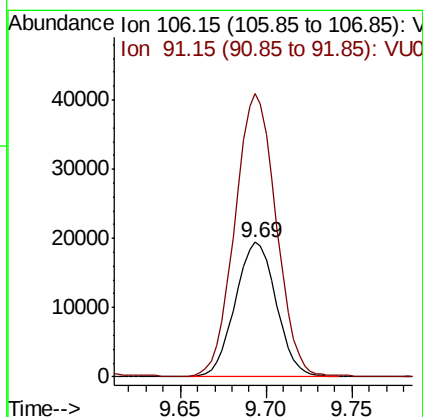
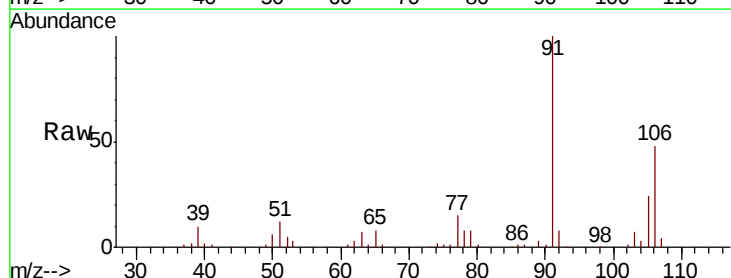
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

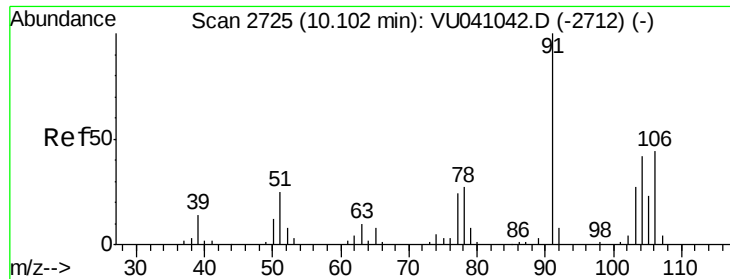
Tot Ion: 91 Resp: 86187
Ion Ratio Lower Upper
91 100
106 29.9 21.0 39.0



#53
m,p-Xylene
Concen: 5.349 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

Tgt Ion: 106 Resp: 32283
Ion Ratio Lower Upper
106 100
91 210.2 150.9 280.3

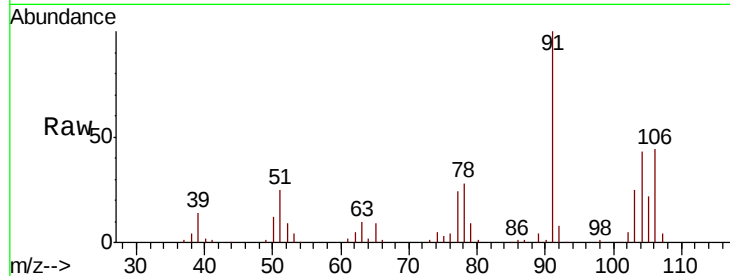




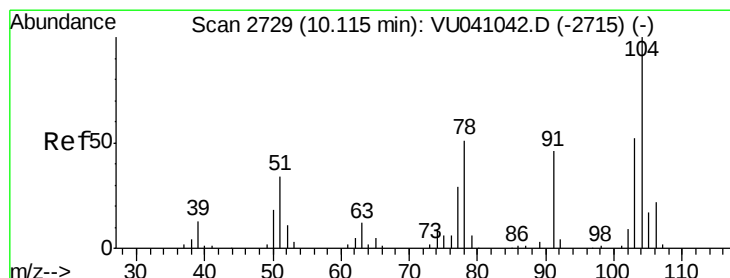
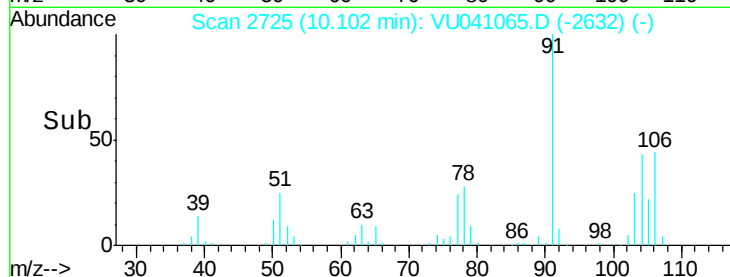
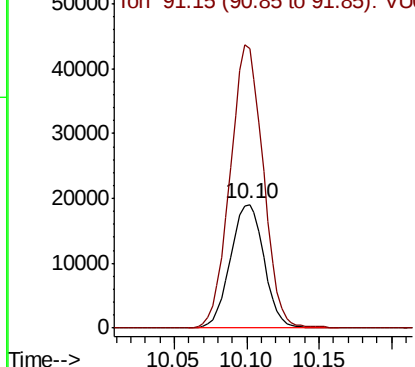
#54
o-Xylene
Concen: 5.490 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion:106 Resp: 30855
Ion Ratio Lower Upper
106 100
91 225.3 154.3 286.5

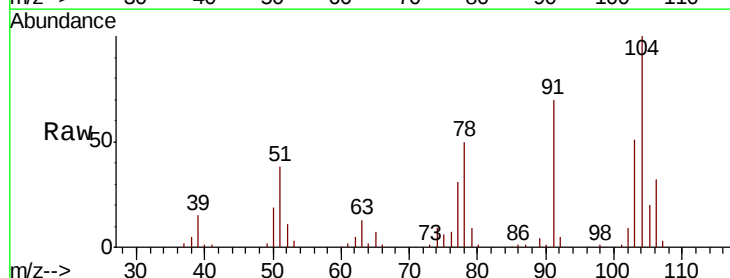


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

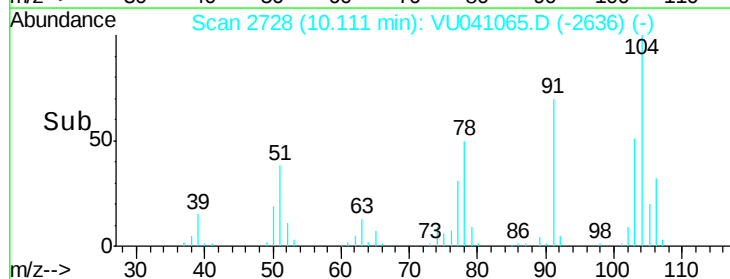
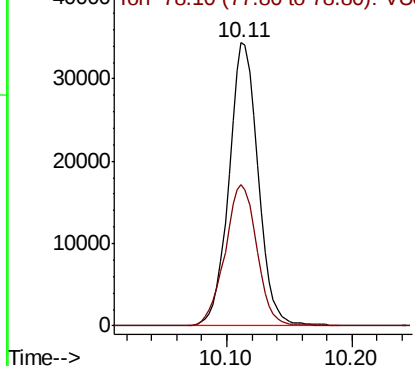


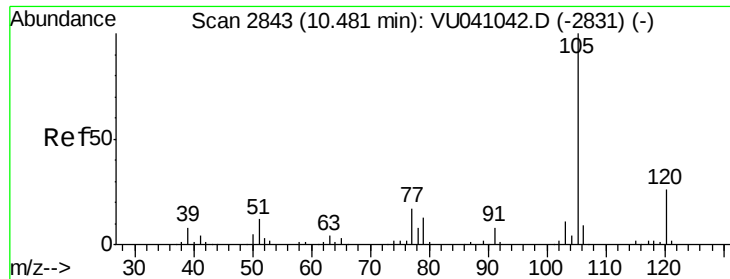
#55
Styrene
Concen: 5.538 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041065.D
Acq: 03 Nov 2020 09:24

Tgt Ion:104 Resp: 55460
Ion Ratio Lower Upper
104 100
78 49.9 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: 5.488 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

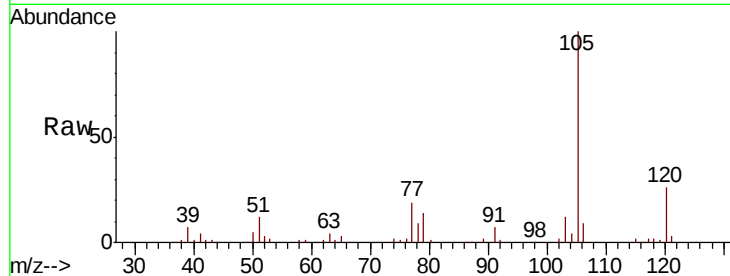
Tot Ion:105 Resp: 82947

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

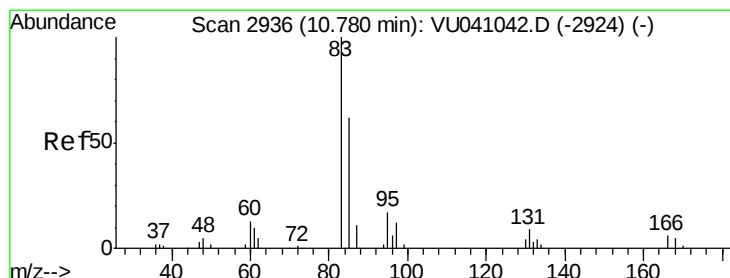
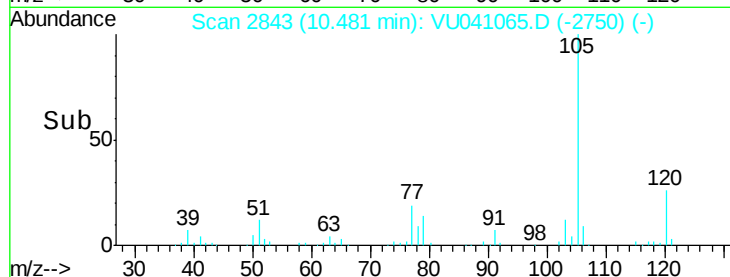
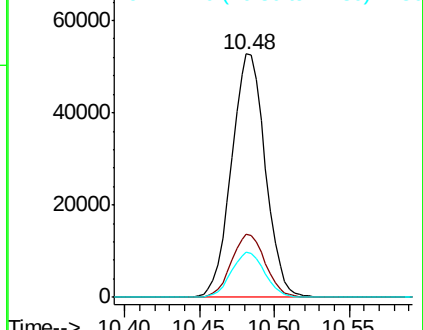
77 18.3 13.8 20.6



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: 5.615 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

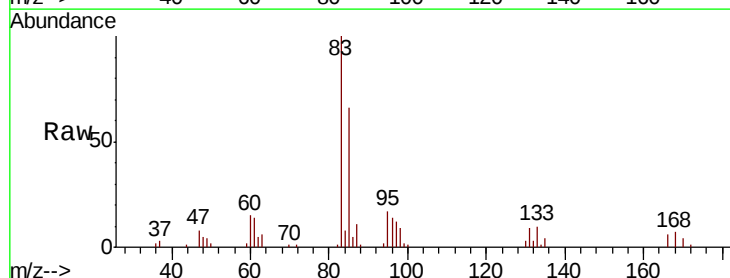
Tgt Ion: 83 Resp: 23027

Ion Ratio Lower Upper

83 100

85 66.3 44.4 82.4

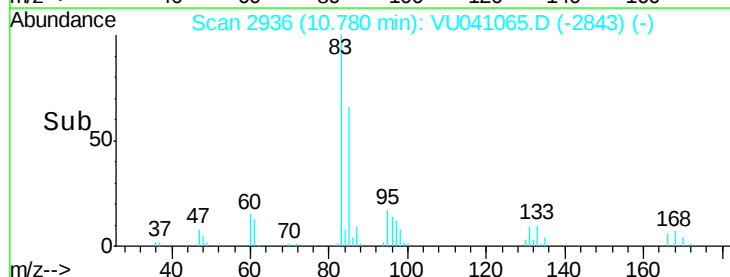
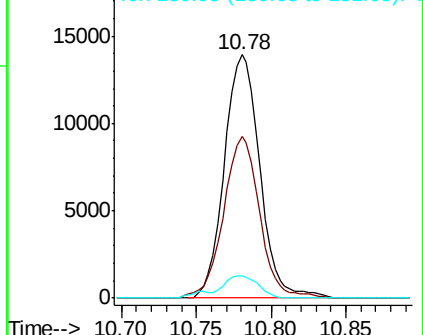
131 9.2 7.7 11.5

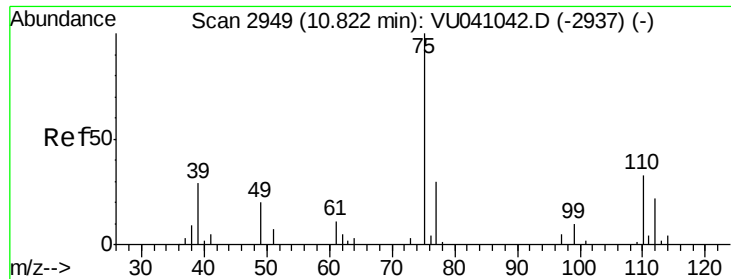


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.794 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

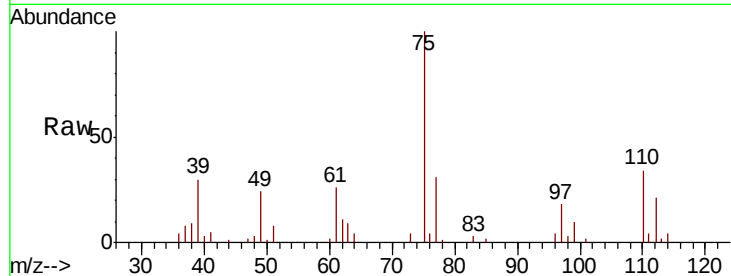
VSTD00513

Tot Ion: 75 Resp: 18115

Ion Ratio Lower Upper

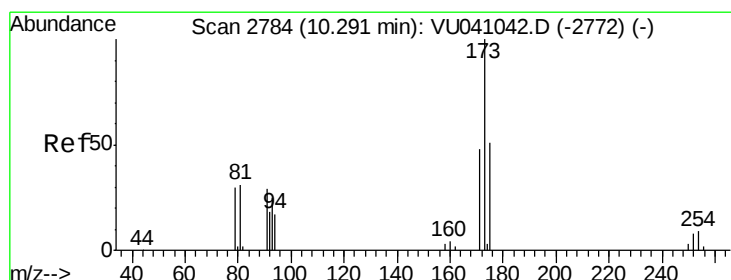
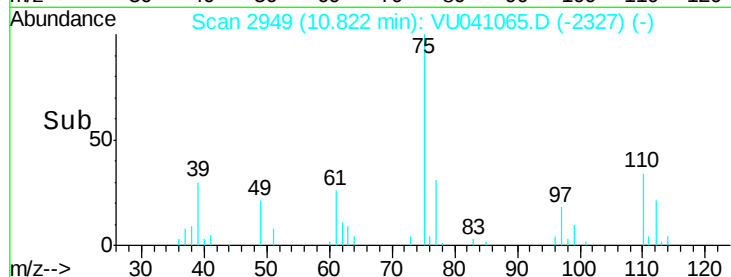
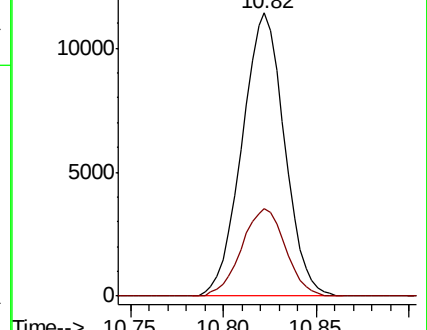
75 100

77 31.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041042.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041042.D (-2937) (-)



#61

Bromoform

Concen: 5.716 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

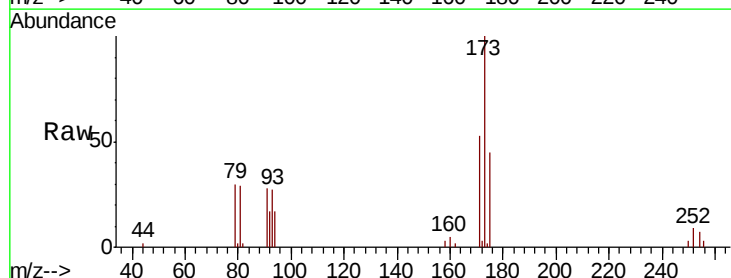
Tgt Ion: 173 Resp: 11539

Ion Ratio Lower Upper

173 100

175 46.8 37.6 56.4

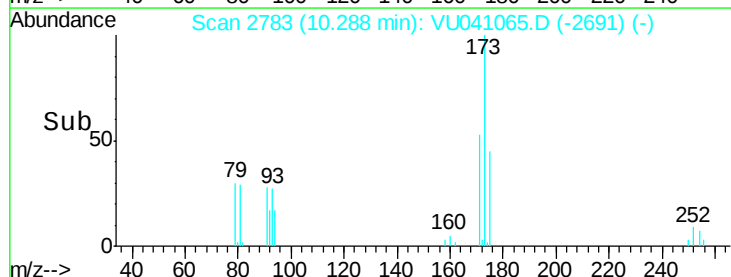
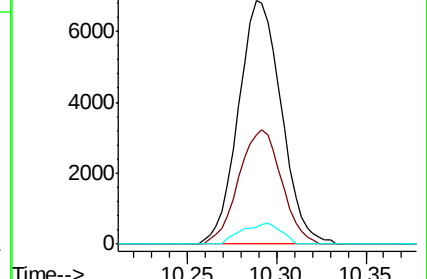
254 8.0 6.6 9.8

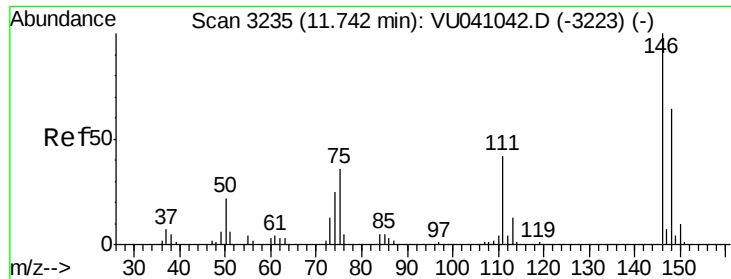


Abundance Ion 172.90 (172.60 to 173.60): VU041042.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041042.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041042.D (-2772) (-)





#62

1,3-Dichlorobenzene

Concen: 5.499 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

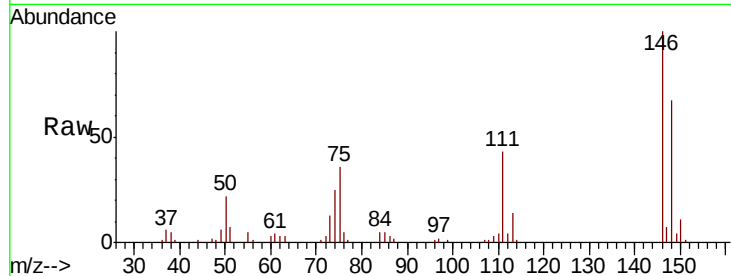
Tot Ion:146 Resp: 41579

Ion Ratio Lower Upper

146 100

111 43.2 30.9 57.3

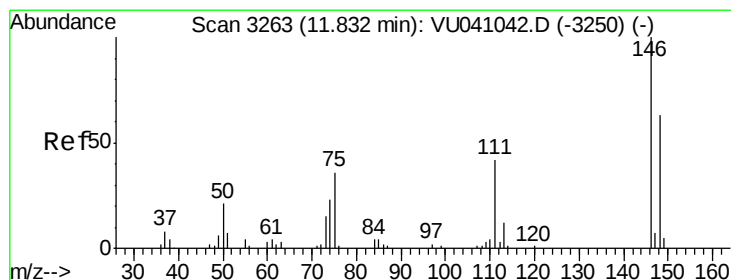
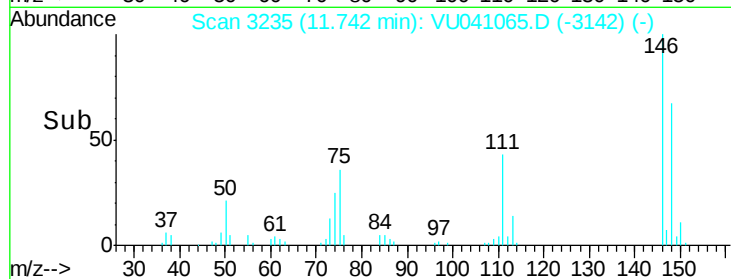
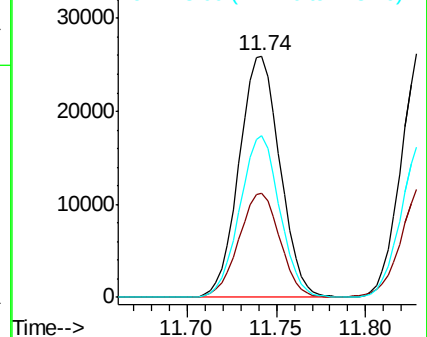
148 66.9 45.8 85.2



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: 5.426 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

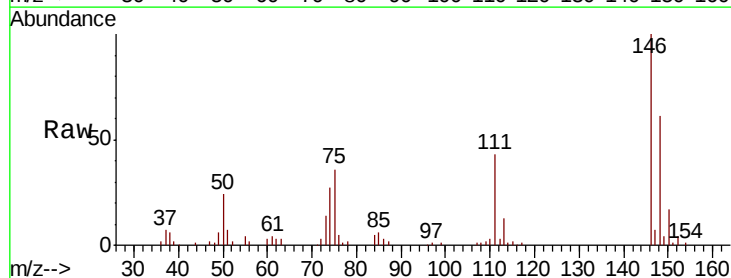
Tgt Ion:146 Resp: 42492

Ion Ratio Lower Upper

146 100

111 42.7 28.3 52.7

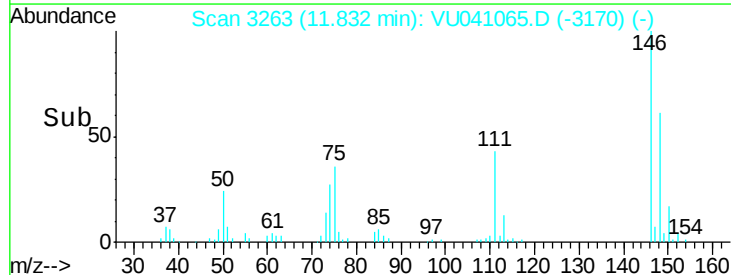
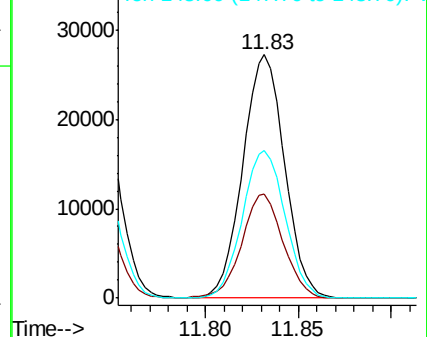
148 60.7 44.2 82.2

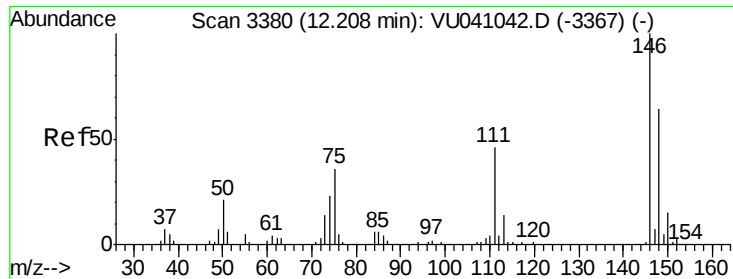


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

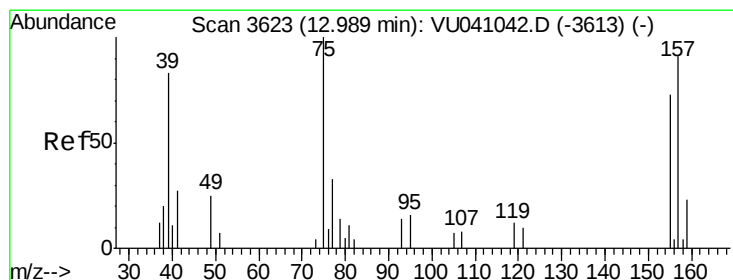
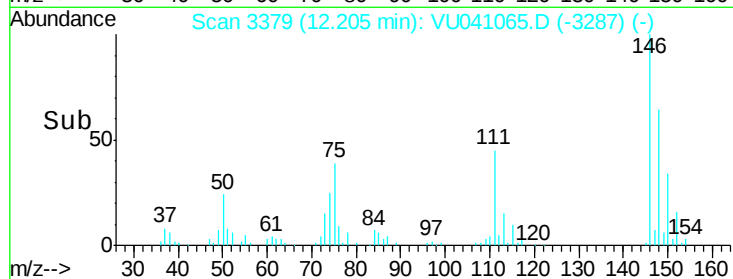
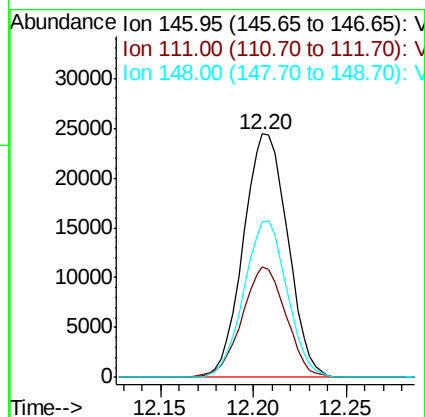
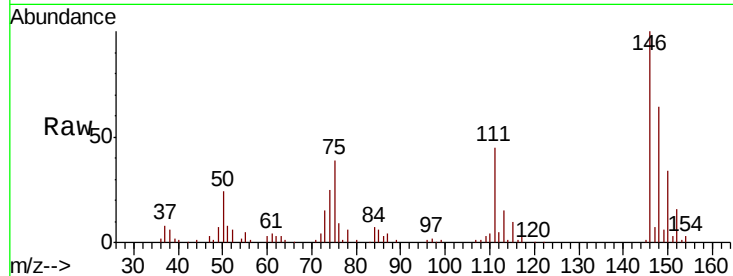




#65
 1,2-Dichlorobenzene
 Concen: 5.434 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

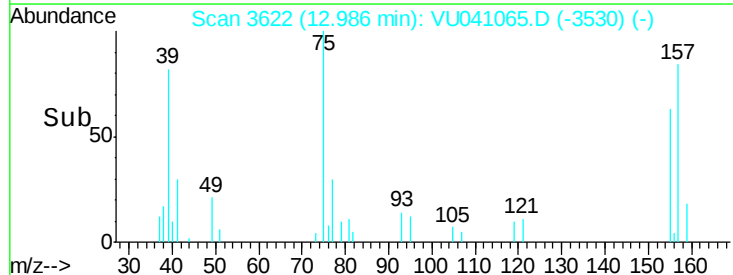
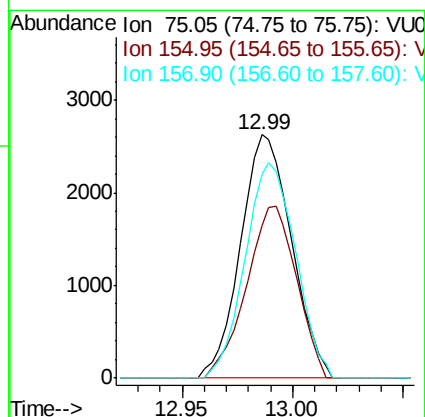
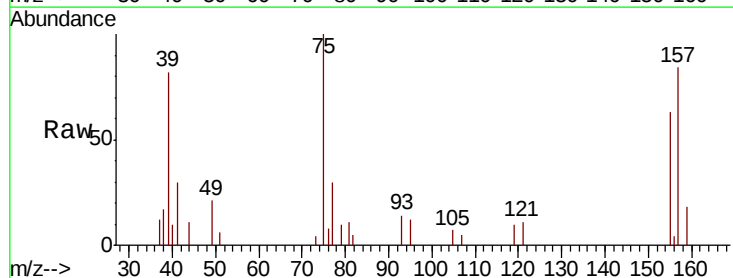
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

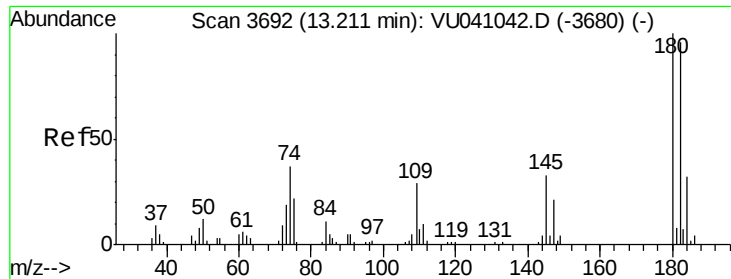
Tot Ion:146 Resp: 40545
 Ion Ratio Lower Upper
 146 100
 111 45.5 35.0 52.6
 148 63.6 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.745 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

Tgt Ion: 75 Resp: 4201
 Ion Ratio Lower Upper
 75 100
 155 62.8 61.4 92.2
 157 83.6 74.2 111.4

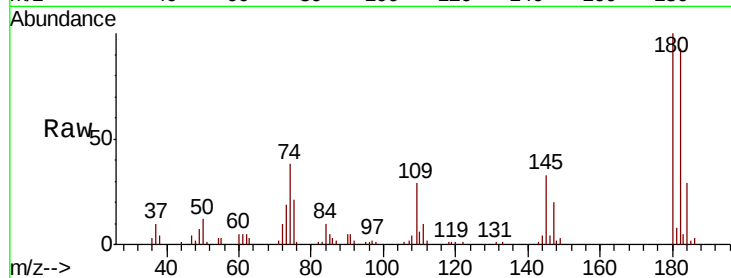




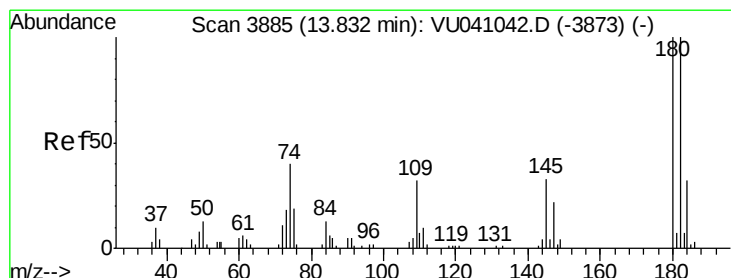
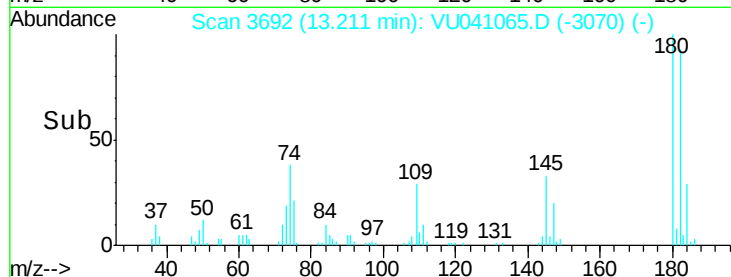
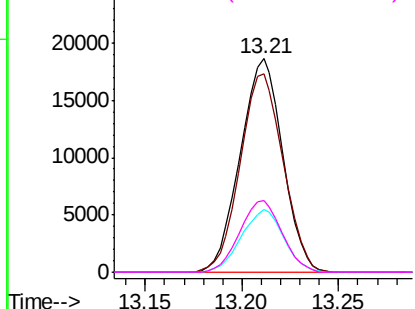
#67
 1,3,5-Trichlorobenzene
 Concen: 5.391 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00513

Tot Ion:180 Resp: 28507
 Ion Ratio Lower Upper
 180 100
 182 93.7 75.7 113.5
 184 29.1 23.7 35.5
 145 33.0 26.1 39.1

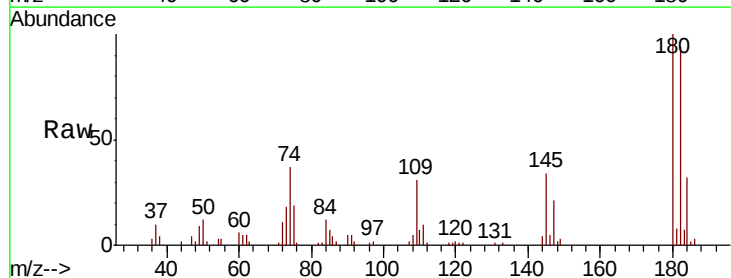


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

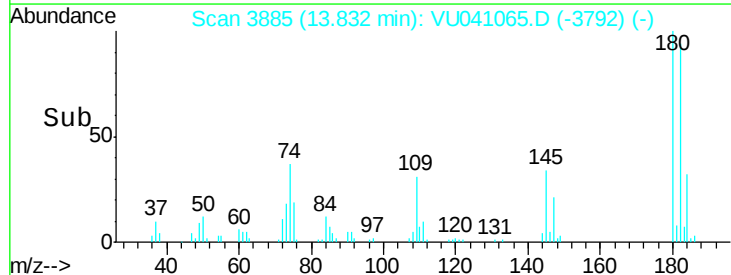
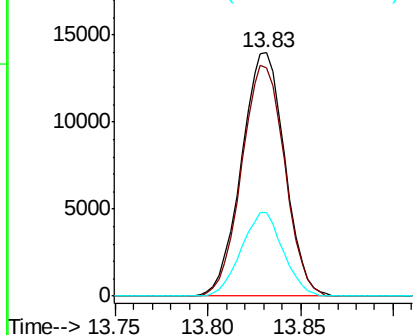


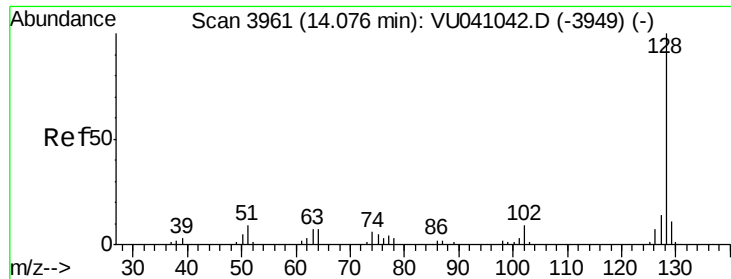
#68
 1,2,4-trichlorobenzene
 Concen: 5.202 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041065.D
 Acq: 03 Nov 2020 09:24

Tgt Ion:180 Resp: 22787
 Ion Ratio Lower Upper
 180 100
 182 94.2 73.5 110.3
 145 33.1 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: 5.312 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

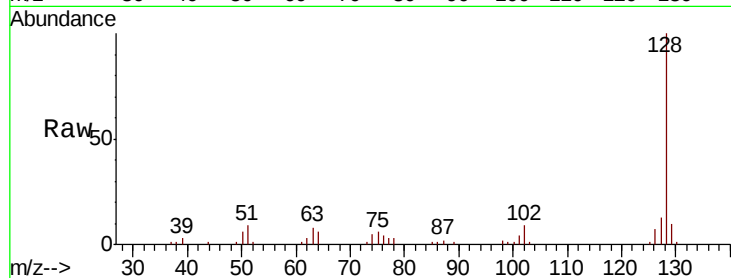
Tot Ion:128 Resp: 41610

Ion Ratio Lower Upper

128 100

129 10.2 8.7 13.1

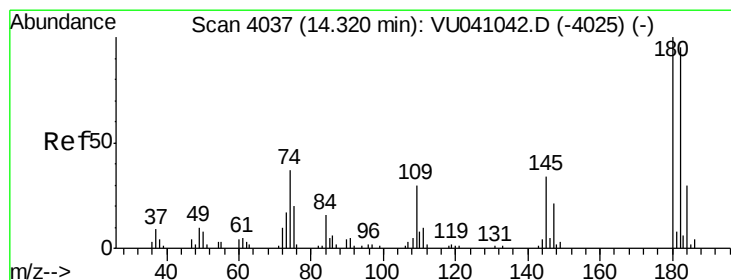
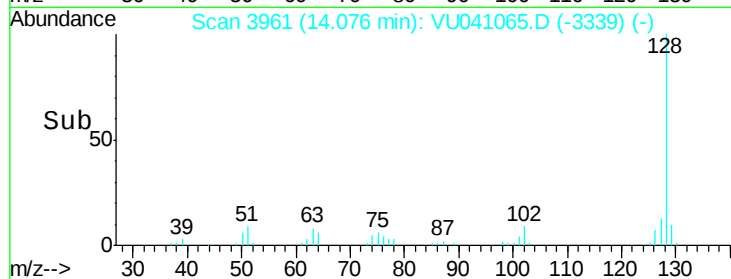
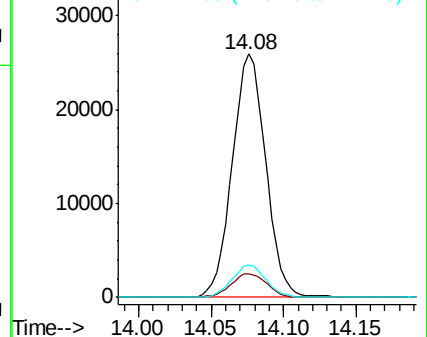
127 13.3 10.8 16.2



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: 5.453 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041065.D

Acq: 03 Nov 2020 09:24

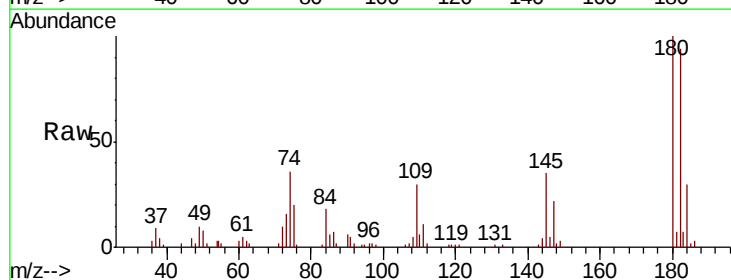
Tgt Ion:180 Resp: 22017

Ion Ratio Lower Upper

180 100

182 95.2 77.7 116.5

145 35.0 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

