

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
 Data File : VU040226.D
 Acq On : 21 Sep 2020 10:17
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Quant Time: Sep 22 07:07:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 21 13:56:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	129418	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128766	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	61780	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31519	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.92	69	29827	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.58	63	82185	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	4.66	46	158597	56.11	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.22%
24) Chloroform-d	5.08	84	82116	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.72	65	50321	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.74	84	141376	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.70	67	48860	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.90	98	124066	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.18	79	21573	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.64	63	122310	56.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48186	5.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	50828	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	56343	4.387	ug/L 100
3) Chloromethane	1.53	50	49788	4.049	ug/L 99
5) Vinyl chloride	1.61	62	52737	4.230	ug/L 98
6) Bromomethane	1.87	94	29032	4.556	ug/L 92
8) Chloroethane	1.94	64	32573	4.348	ug/L 98
9) Trichlorofluoromethane	2.15	101	81463	4.562	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	55212	4.770	ug/L 98
12) 1,1-Dichloroethene	2.59	96	46887	4.681	ug/L 91
13) Acetone	2.67	43	129101	49.344	ug/L 100
14) Carbon disulfide	2.81	76	127291	3.964	ug/L 100
15) Methyl Acetate	2.97	43	27501	4.188	ug/L 99
16) Methylene chloride	3.06	84	55479	4.230	ug/L 93
17) Methyl tert-butyl Ether	3.38	73	134928	4.470	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	47827	4.439	ug/L 94
19) 1,1-Dichloroethane	3.89	63	97084	4.378	ug/L 98
21) 2-Butanone	4.74	43	200251	46.881	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	53756	4.640	ug/L 94

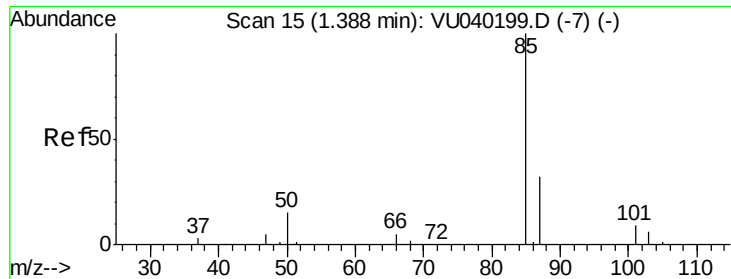
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092120\
 Data File : VU040226.D
 Acq On : 21 Sep 2020 10:17
 Operator : SY/MD
 Sample : VSTDCCC005
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Quant Time: Sep 22 07:07:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 21 13:56:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	25338	4.992	ug/L	91
25) Chloroform	5.11	83	107009	4.712	ug/L	100
27) 1,2-Dichloroethane	5.81	62	76309	4.586	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	88912	4.398	ug/L	98
30) Cyclohexane	5.40	56	77184	3.937	ug/L	99
31) Carbon tetrachloride	5.54	117	77116	4.457	ug/L	98
33) Benzene	5.79	78	205698	4.465	ug/L	100
34) Trichloroethene	6.55	95	54505	4.411	ug/L	95
35) Methylcyclohexane	6.77	83	75713	4.002	ug/L	99
37) 1,2-Dichloropropane	6.80	63	56583	4.536	ug/L	99
38) Bromodichloromethane	7.11	83	75714	4.447	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	76008	4.132	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	463569	45.296	ug/L	98
42) Toluene	7.97	91	217153	4.577	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	74893	4.394	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	42398	4.666	ug/L	99
47) Tetrachloroethene	8.56	164	37746	4.650	ug/L	96
48) 2-Hexanone	8.69	43	344654	46.168	ug/L	99
49) Dibromochloromethane	8.81	129	51512	4.723	ug/L	96
50) 1,2-Dibromoethane	8.93	107	40839	4.662	ug/L	98
51) Chlorobenzene	9.45	112	139247	4.728	ug/L	97
52) Ethylbenzene	9.57	91	235199	4.364	ug/L	100
53) m,p-Xylene	9.69	106	89377	4.657	ug/L	97
54) o-Xylene	10.10	106	85366	4.668	ug/L	93
55) Styrene	10.11	104	151820	4.774	ug/L	99
56) Isopropylbenzene	10.48	105	235712	4.726	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	55382	4.753	ug/L	94
59) 1,2,3-Trichloropropane	10.82	75	43495	4.707	ug/L	99
61) Bromoform	10.29	173	26579	4.691	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	111284	4.928	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	114703	5.020	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	105722	4.839	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	10045	4.299	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	73671	4.640	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	58881	4.306	ug/L	98
69) Naphthalene	14.08	128	108448	3.804	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	56282	4.480	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.387 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

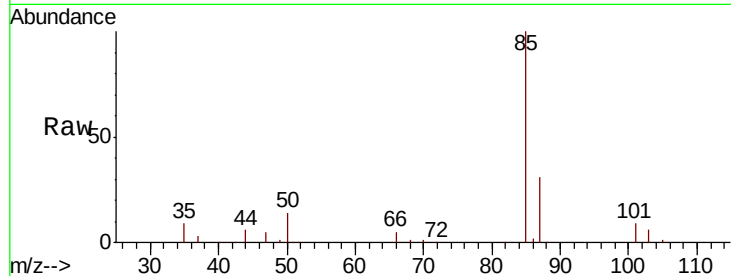
VSTD00515

Tot Ion: 85 Resp: 56343

Ion Ratio Lower Upper

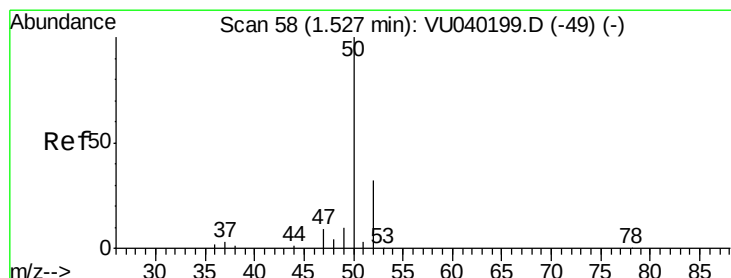
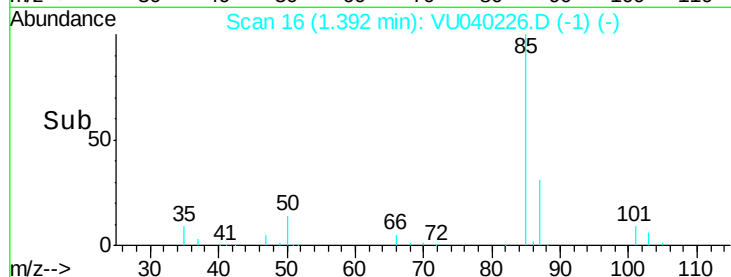
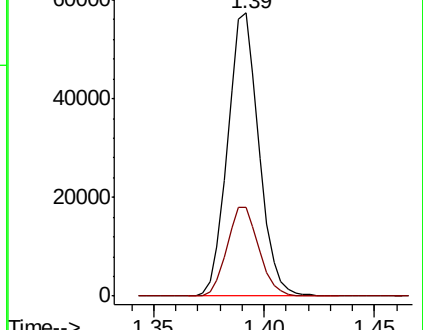
85 100

87 32.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040199.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040199.D (-7) (-)



#3

Chloromethane

Concen: 4.049 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040226.D

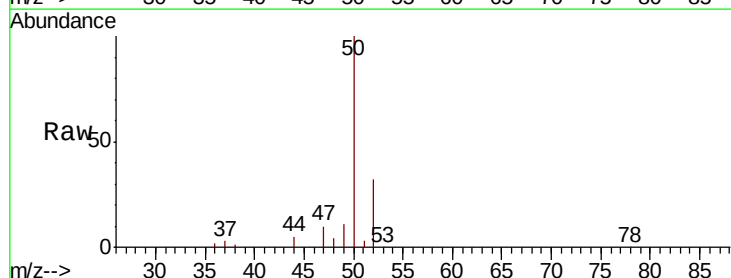
Acq: 21 Sep 2020 10:17

Tgt Ion: 50 Resp: 49788

Ion Ratio Lower Upper

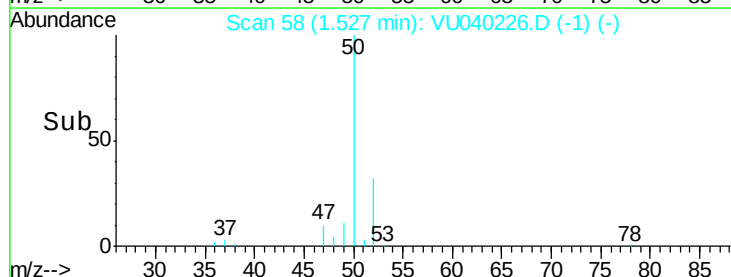
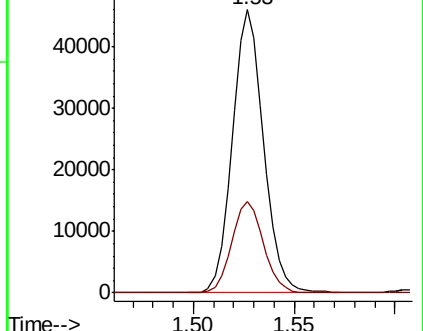
50 100

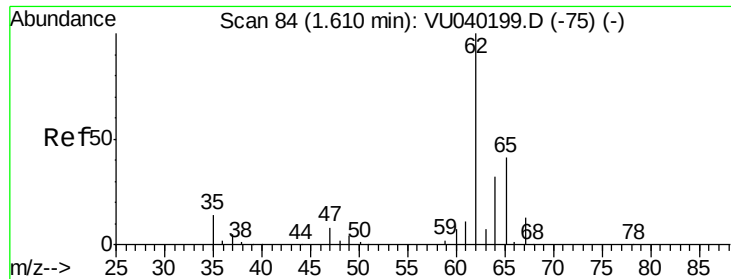
52 32.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040199.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040199.D (-49) (-)





#5

Vinyl chloride

Concen: 4.230 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

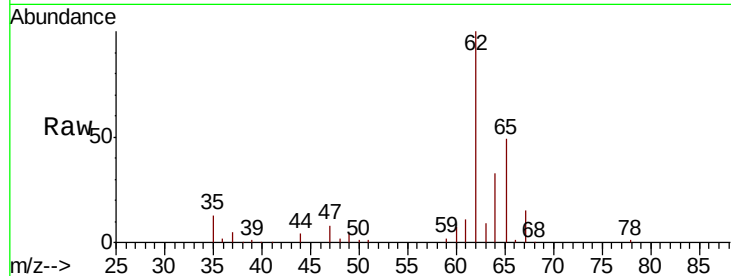
VSTD00515

Tot Ion: 62 Resp: 52737

Ion Ratio Lower Upper

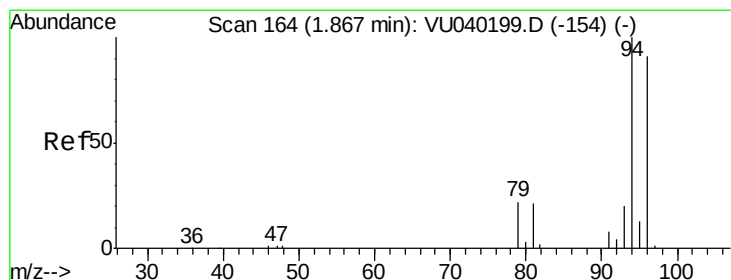
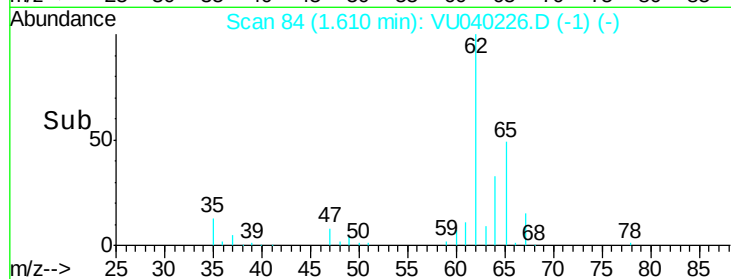
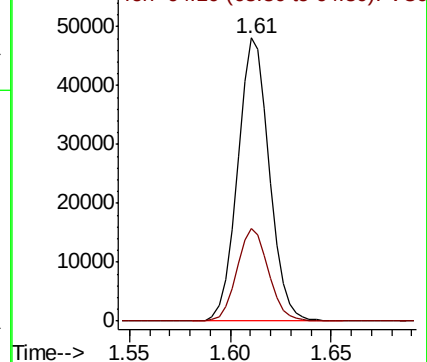
62 100

64 32.9 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.556 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040226.D

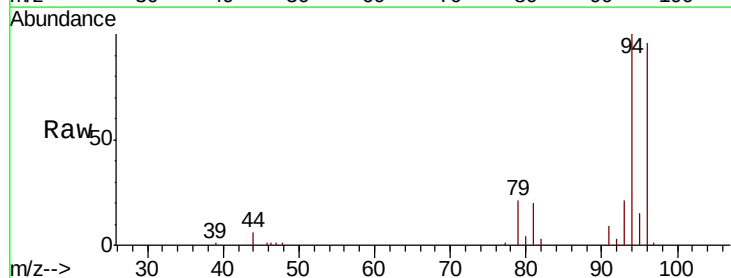
Acq: 21 Sep 2020 10:17

Tgt Ion: 94 Resp: 29032

Ion Ratio Lower Upper

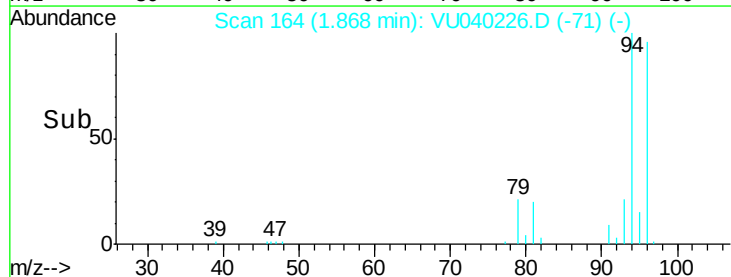
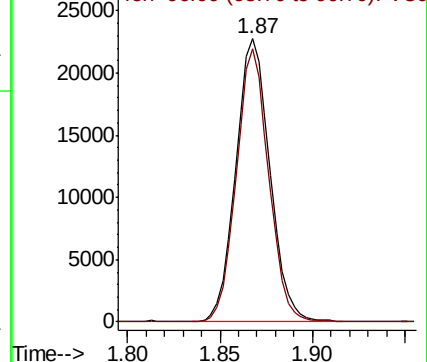
94 100

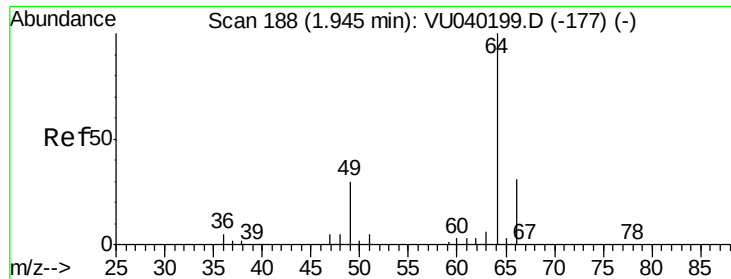
96 96.4 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

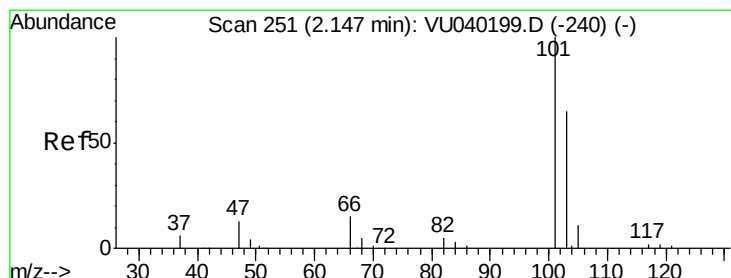
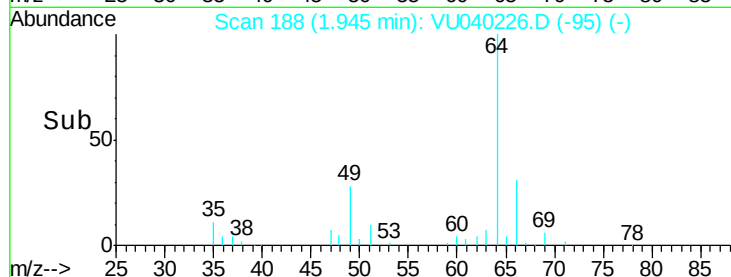
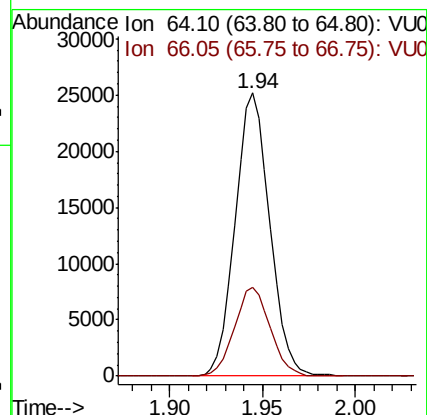
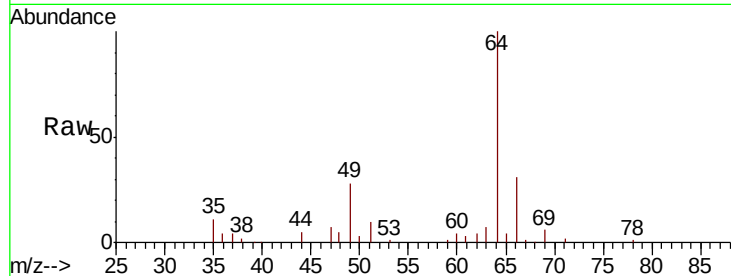




#8
Chloroethane
Concen: 4.348 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

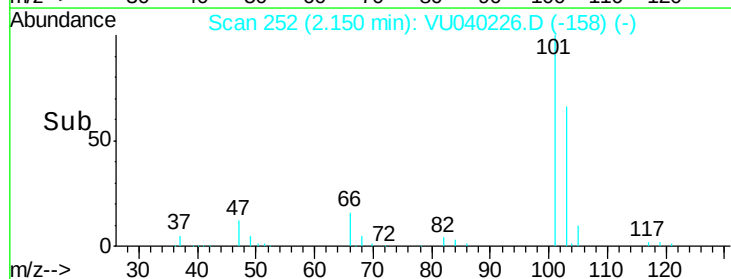
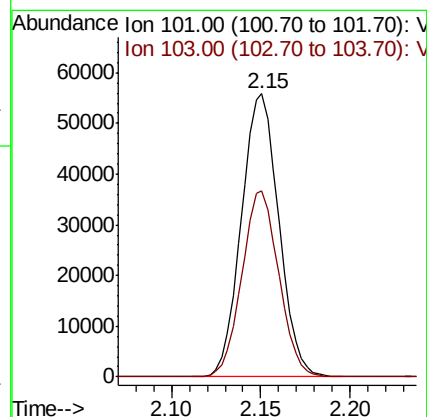
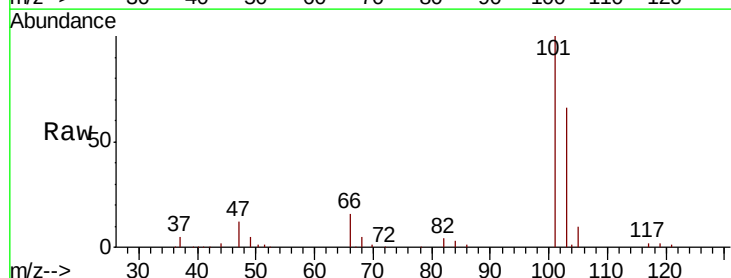
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

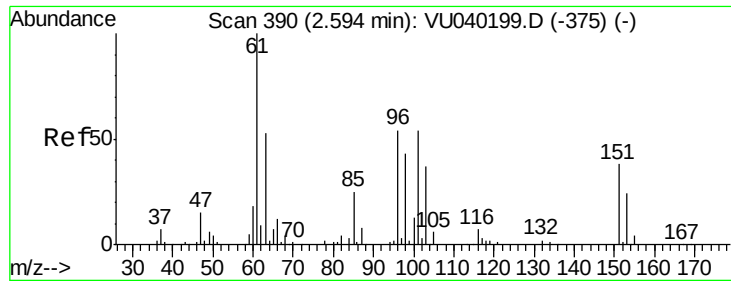
Tot Ion: 64 Resp: 32573
Ion Ratio Lower Upper
64 100
66 31.3 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.562 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

Tgt Ion:101 Resp: 81463
Ion Ratio Lower Upper
101 100
103 64.8 51.3 76.9





#10

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

Concen: 4.770 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

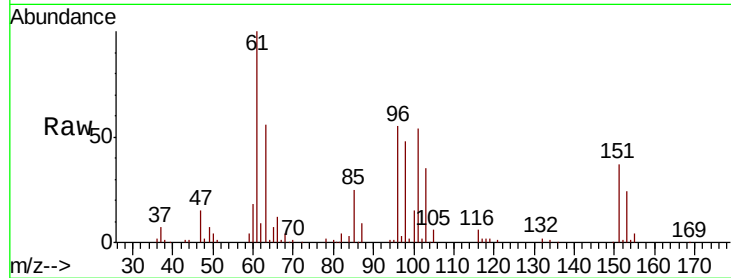
Tot Ion:101 Resp: 55212

Ion Ratio Lower Upper

101 100

85 44.8 37.7 56.5

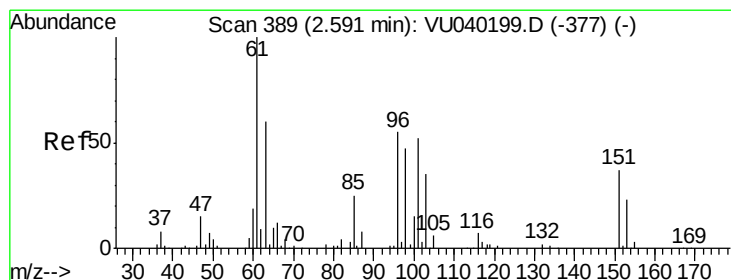
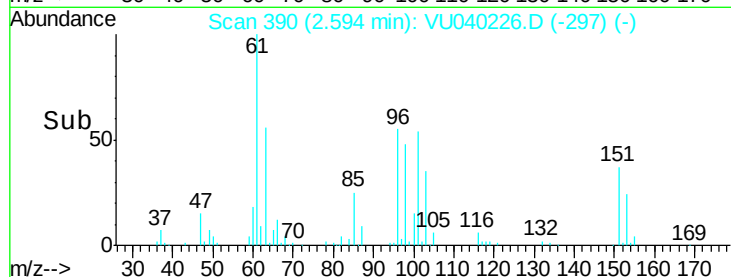
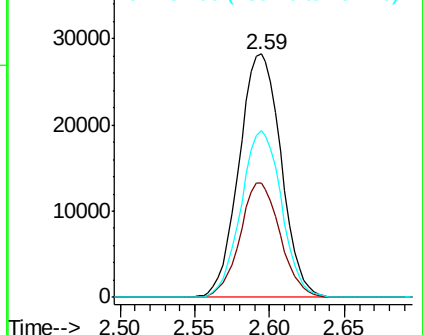
151 66.1 53.9 80.9



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: 4.681 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

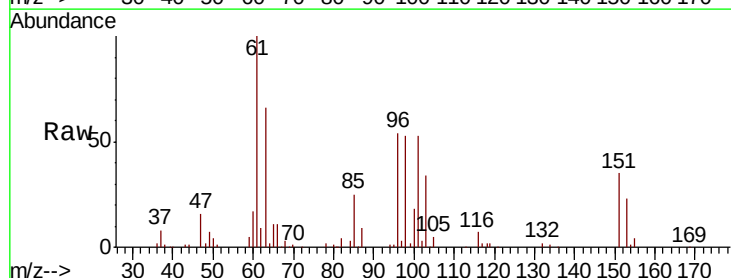
Tgt Ion: 96 Resp: 46887

Ion Ratio Lower Upper

96 100

61 183.7 138.3 256.8

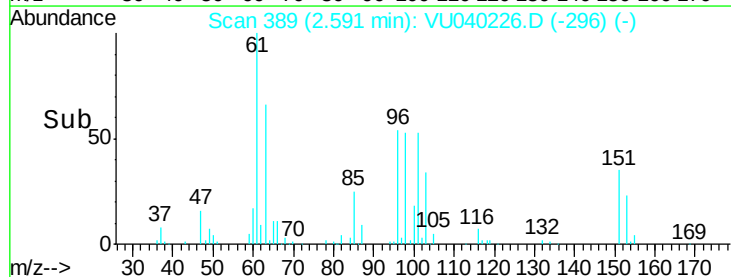
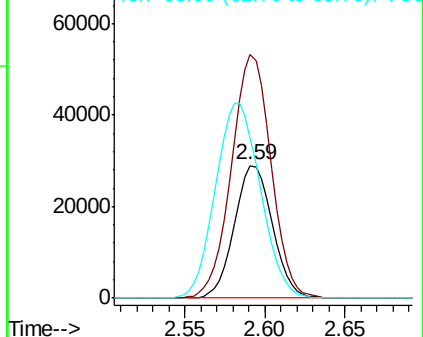
63 121.2 77.6 144.2

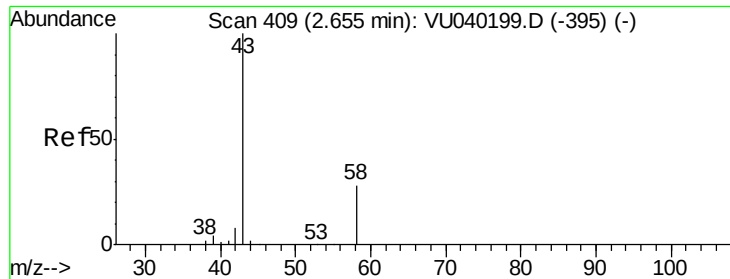


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.344 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.02 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Instrument :

MSVOA_U

ClientSampled :

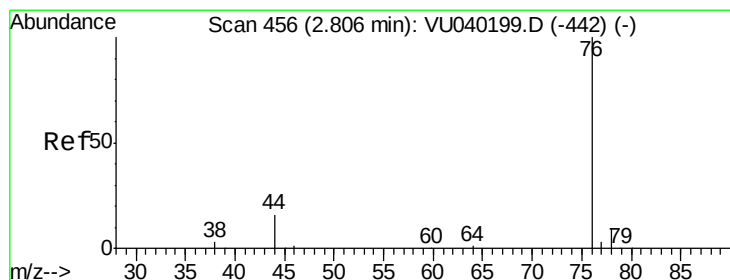
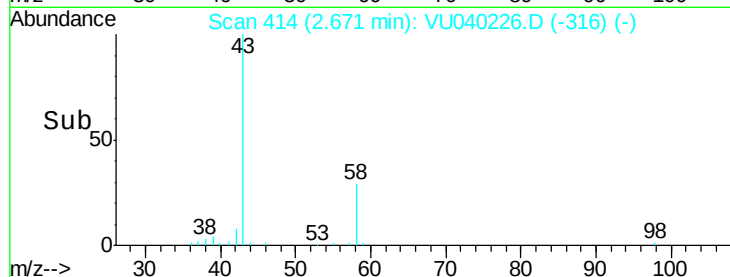
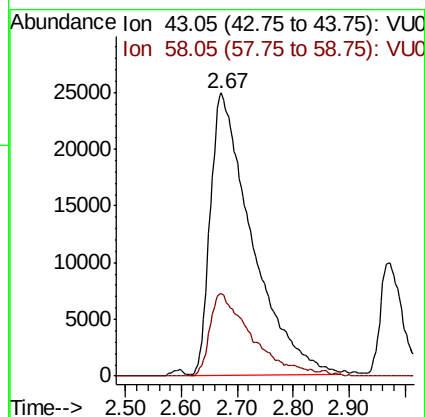
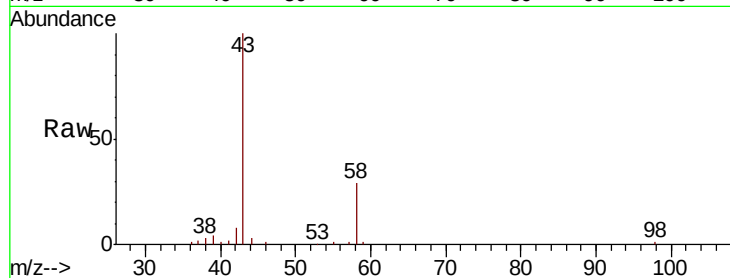
VSTD00515

Tot Ion: 43 Resp: 129101

Ion Ratio Lower Upper

43 100

58 27.8 0.0 55.4



#14

Carbon disulfide

Concen: 3.964 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040226.D

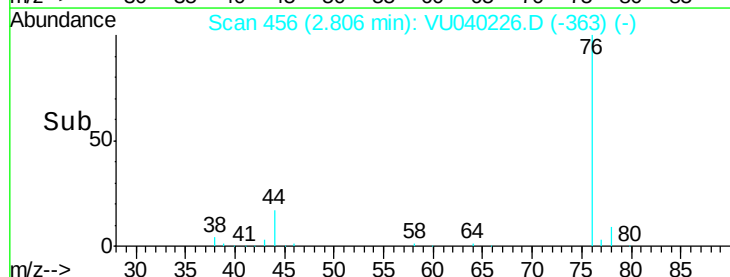
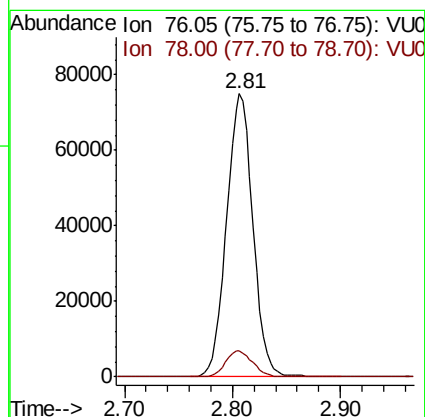
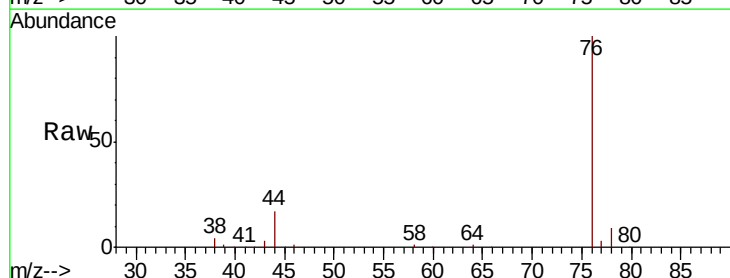
Acq: 21 Sep 2020 10:17

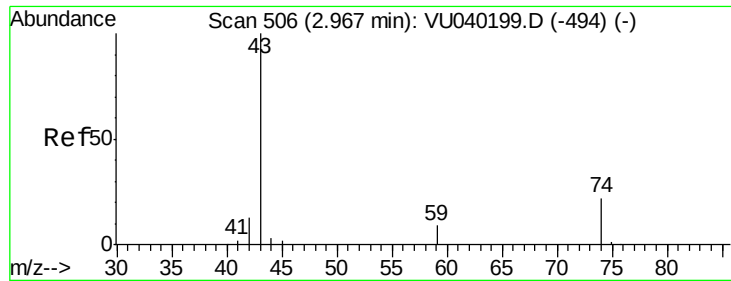
Tgt Ion: 76 Resp: 127291

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

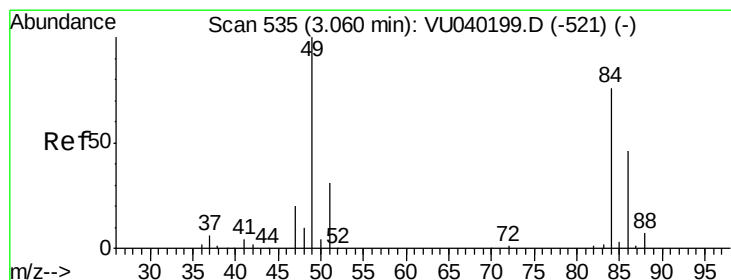
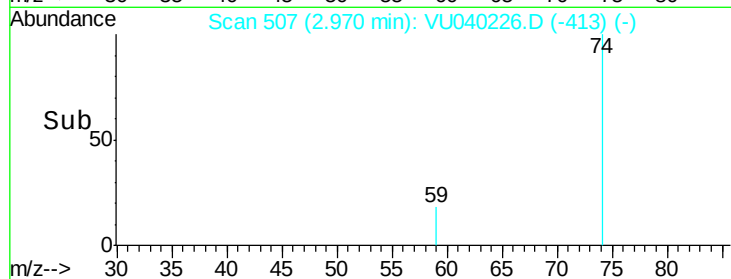
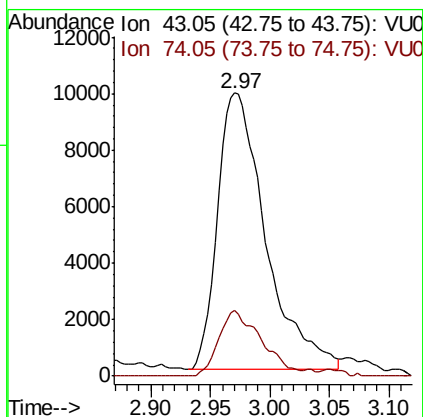
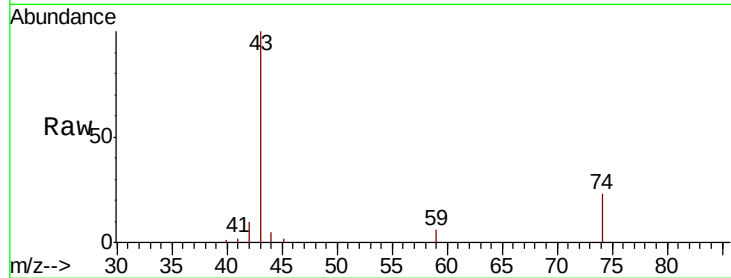




#15
Methvl Acetate
Concen: 4.188 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

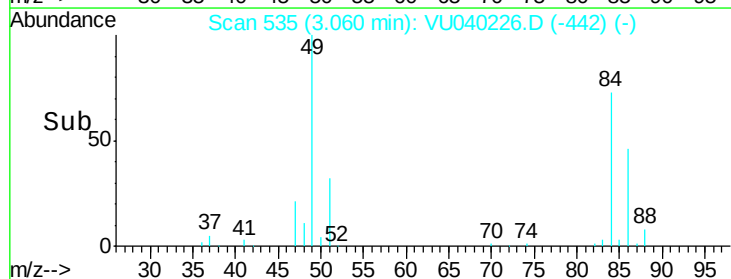
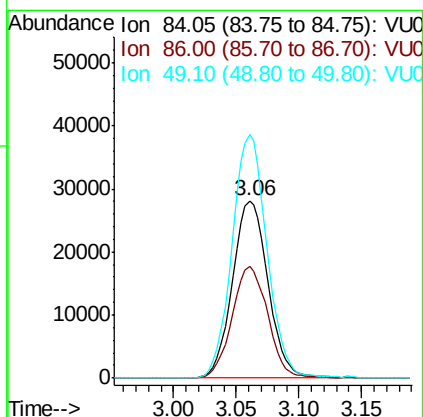
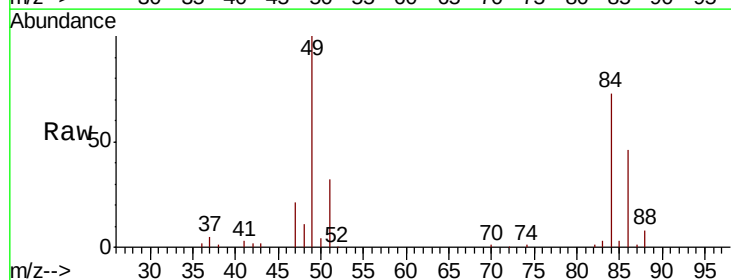
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

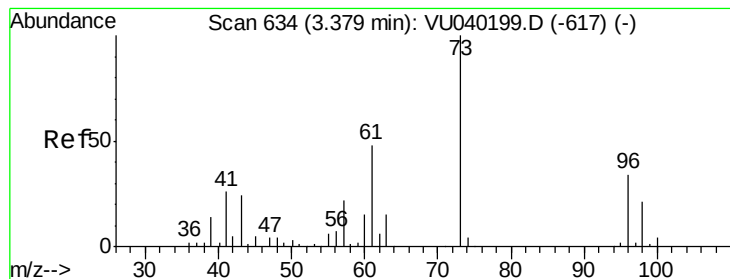
Tot Ion: 43 Resp: 27501
Ion Ratio Lower Upper
43 100
74 21.1 17.4 26.0



#16
Methylene chloride
Concen: 4.230 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

Tgt Ion: 84 Resp: 55479
Ion Ratio Lower Upper
84 100
86 63.2 45.2 84.0
49 137.1 104.0 193.2

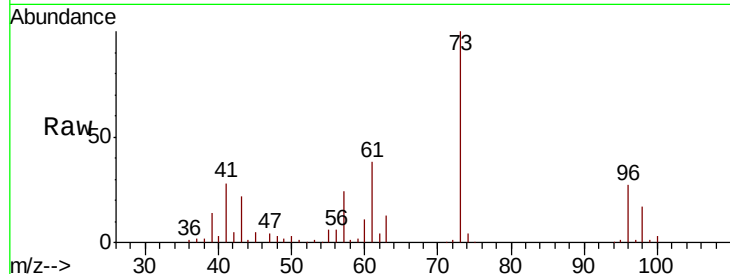




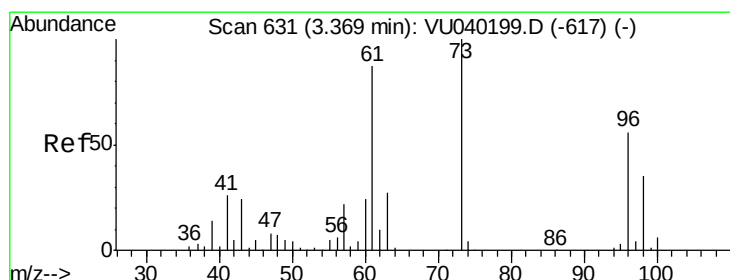
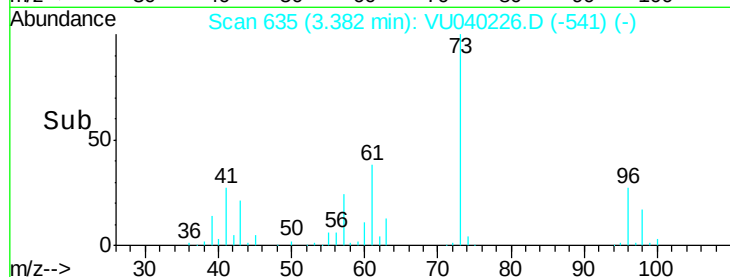
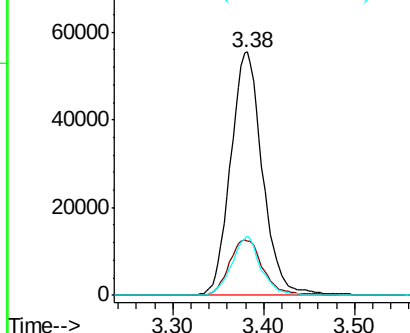
#17
Methyl tert-butyl Ether
Concen: 4.470 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion: 73 Resp: 134928
Ion Ratio Lower Upper
73 100
43 23.9 19.1 28.7
57 22.0 18.3 27.5

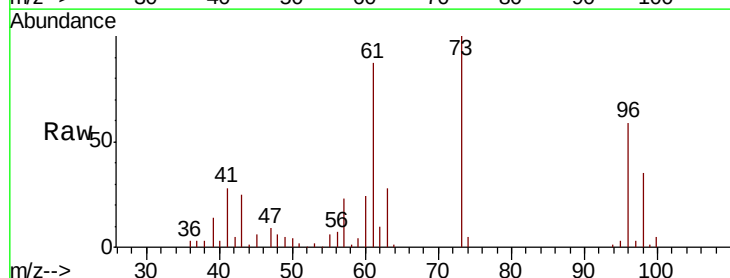


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

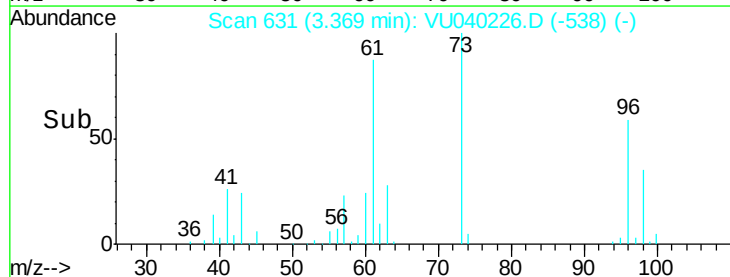
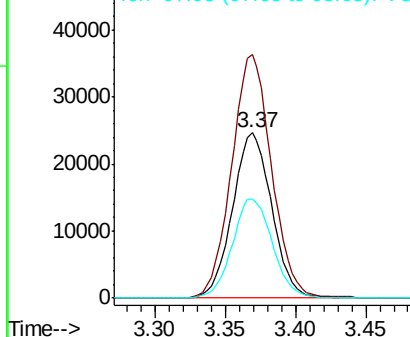


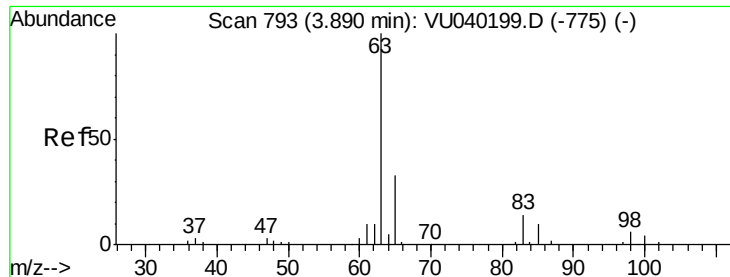
#18
trans-1,2-Dichloroethene
Concen: 4.439 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

Tgt Ion: 96 Resp: 47827
Ion Ratio Lower Upper
96 100
61 147.6 110.5 205.3
98 60.0 43.2 80.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

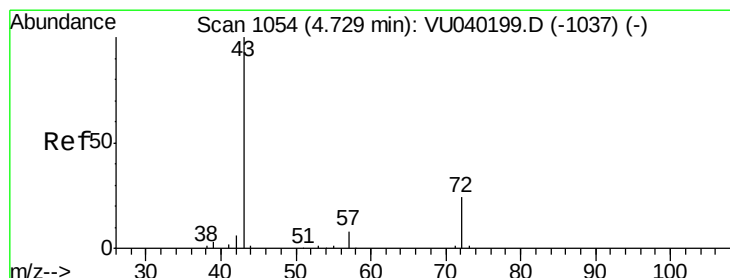
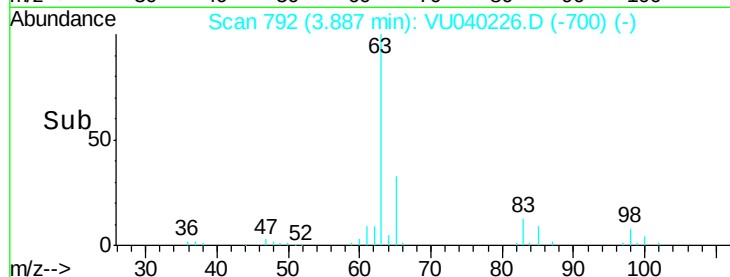
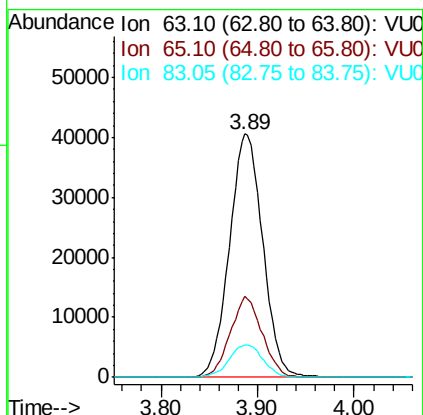
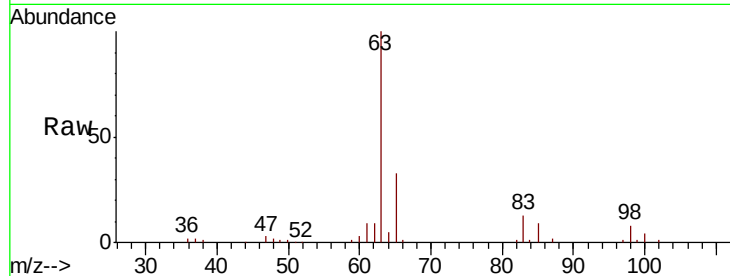




#19
 1,1-Dichloroethane
 Concen: 4.378 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040226.D
 Acq: 21 Sep 2020 10:17

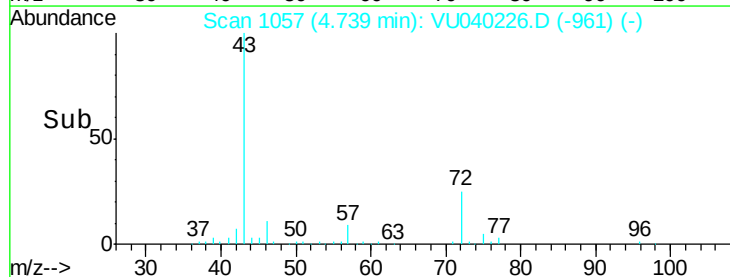
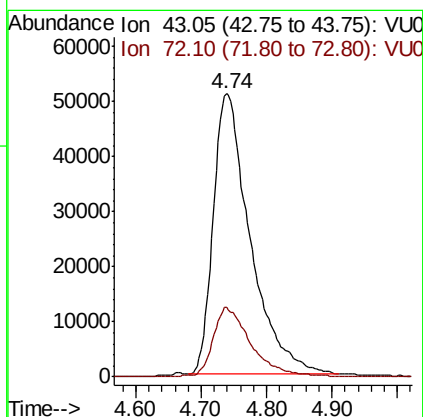
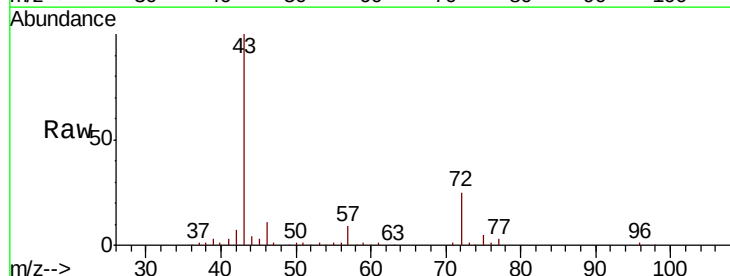
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00515

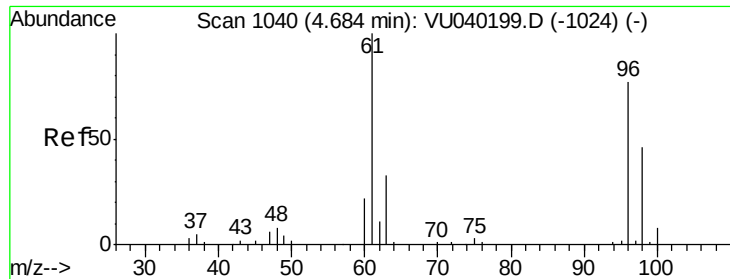
Tot Ion: 63 Resp: 97084
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.2 41.2
 83 13.3 9.4 17.6



#21
 2-Butanone
 Concen: 46.881 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU040226.D
 Acq: 21 Sep 2020 10:17

Tgt Ion: 43 Resp: 200251
 Ion Ratio Lower Upper
 43 100
 72 23.7 11.7 35.0

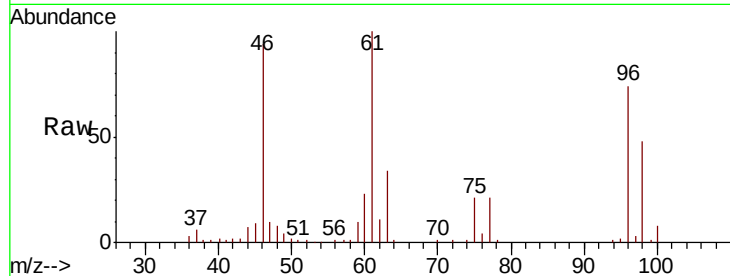




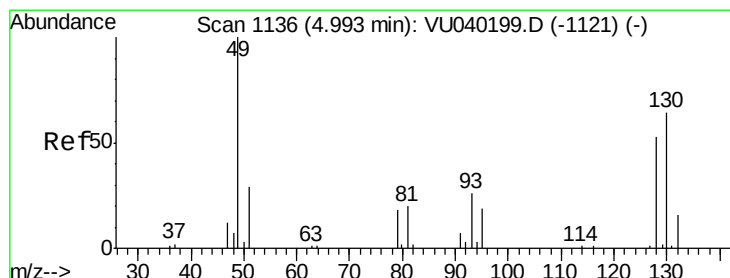
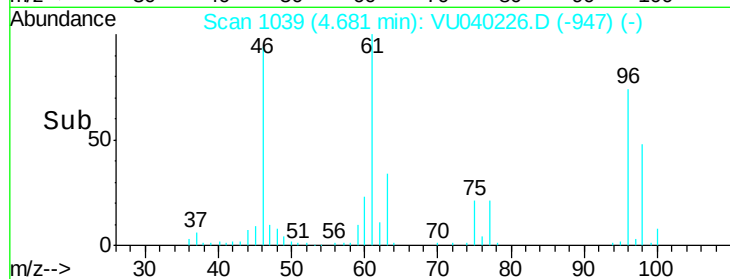
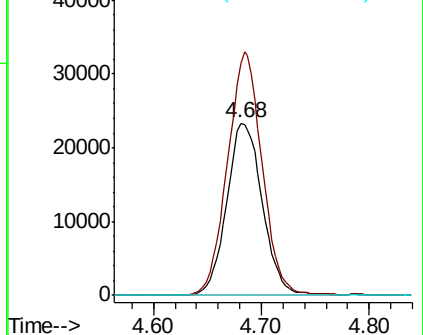
#22
 cis-1,2-Dichloroethene
 Concen: 4.640 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: VU040226.D
 Acq: 21 Sep 2020 10:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tot Ion: 96 Resp: 53756
 Ion Ratio Lower Upper
 96 100
 61 134.3 98.8 183.4
 68 0.0 0.0 0.0

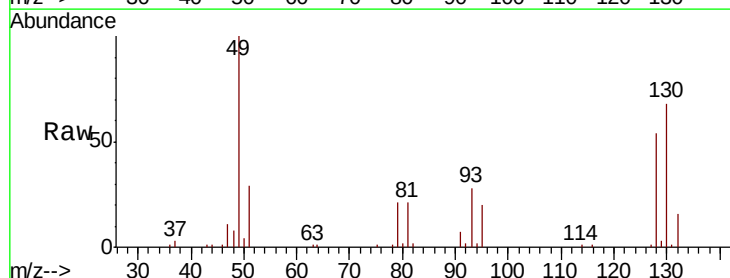


Abundance Ion 96.00 (95.70 to 96.70): VU040199.D (-1024) (-)
 Ion 61.05 (60.75 to 61.75): VU040199.D (-1024) (-)
 Ion 68.15 (67.85 to 68.85): VU040199.D (-1024) (-)

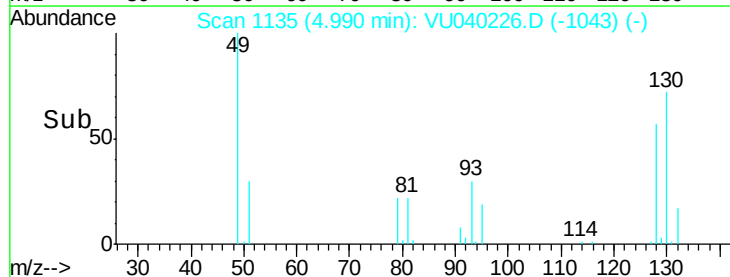
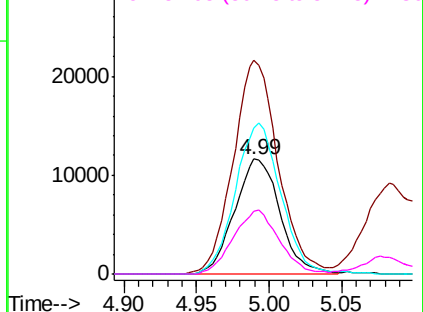


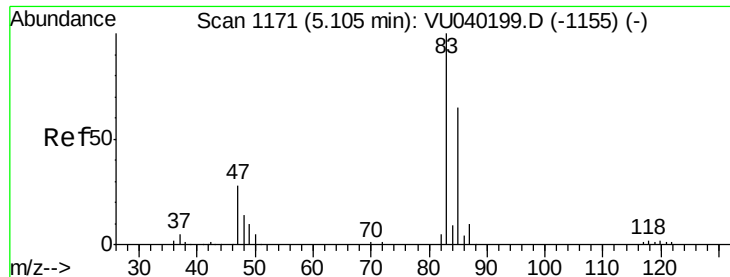
#23
 Bromochloromethane
 Concen: 4.992 ug/L
 RT: 4.99 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VU040226.D
 Acq: 21 Sep 2020 10:17

Tgt Ion: 128 Resp: 25338
 Ion Ratio Lower Upper
 128 100
 49 185.7 143.4 266.4
 130 127.0 89.5 166.3
 51 54.3 51.0 76.4



Abundance Ion 127.90 (127.60 to 128.60): VU040199.D (-1121) (-)
 Ion 49.10 (48.80 to 49.80): VU040199.D (-1121) (-)
 Ion 129.95 (129.65 to 130.65): VU040199.D (-1121) (-)
 Ion 51.05 (50.75 to 51.75): VU040199.D (-1121) (-)

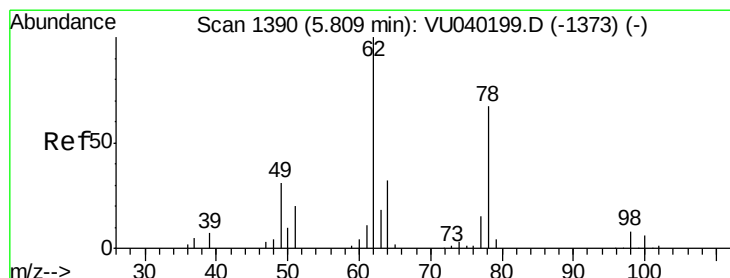
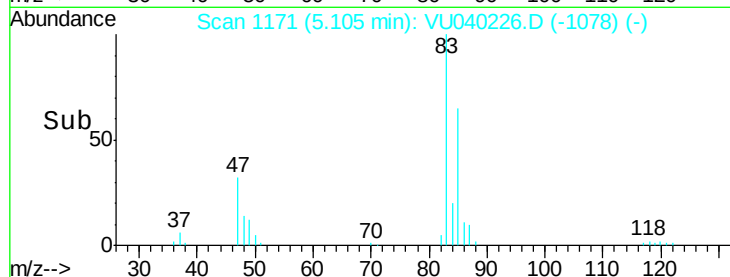
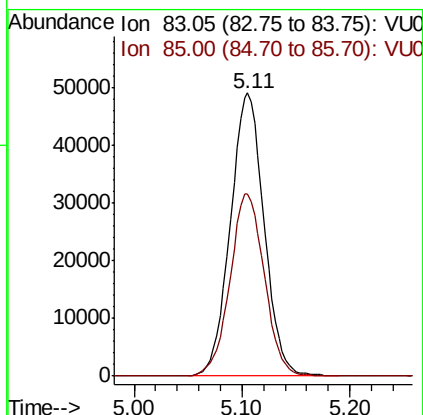
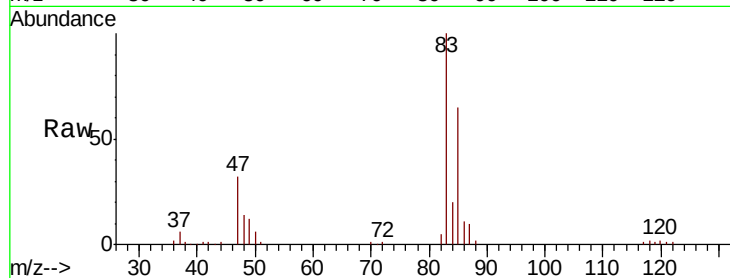




#25
Chloroform
Concen: 4.712 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

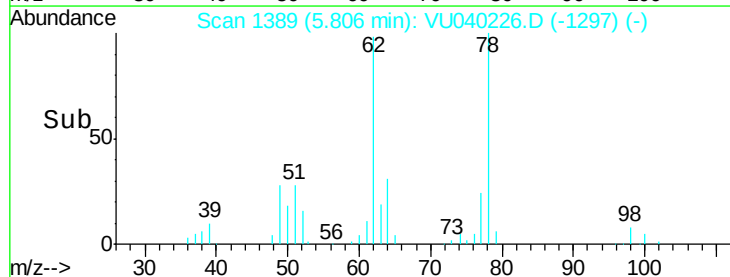
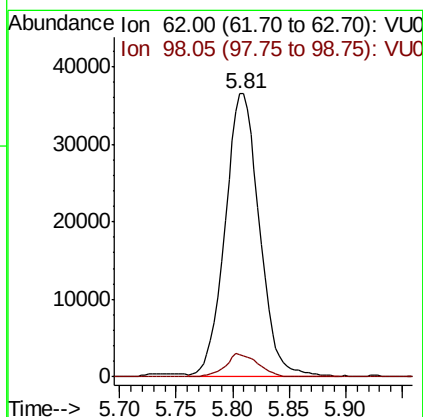
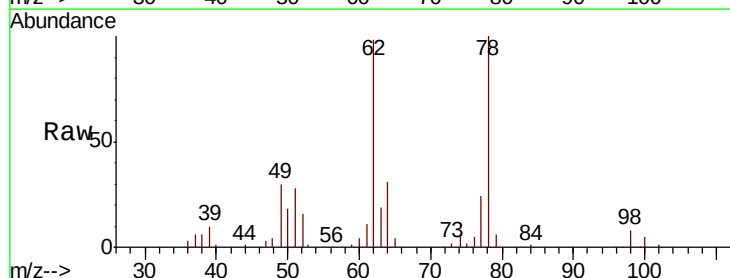
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

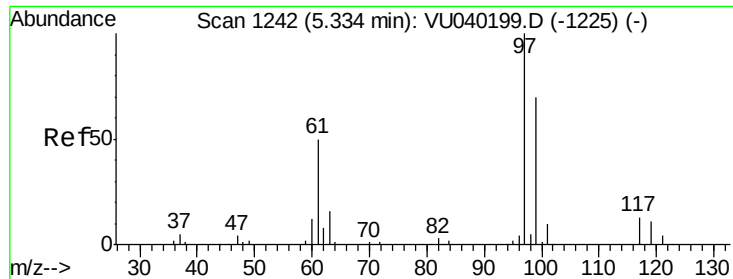
Tot Ion: 83 Resp: 107009
Ion Ratio Lower Upper
83 100
85 64.6 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.586 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

Tgt Ion: 62 Resp: 76309
Ion Ratio Lower Upper
62 100
98 7.9 6.1 9.1

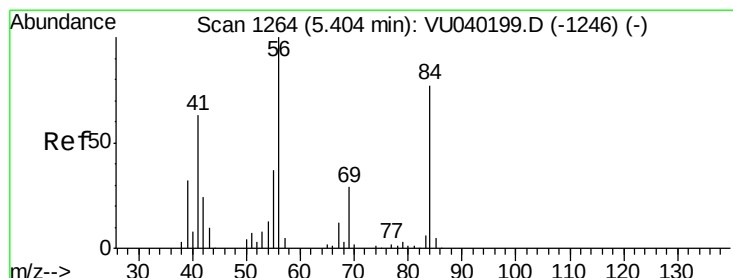
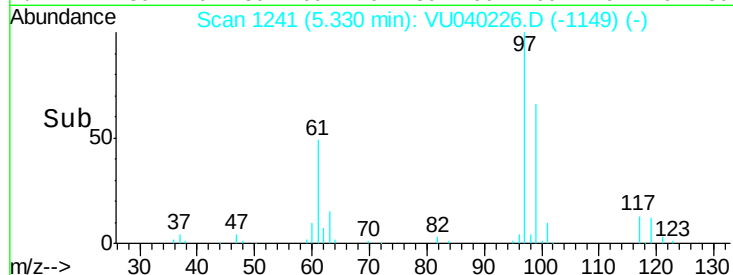
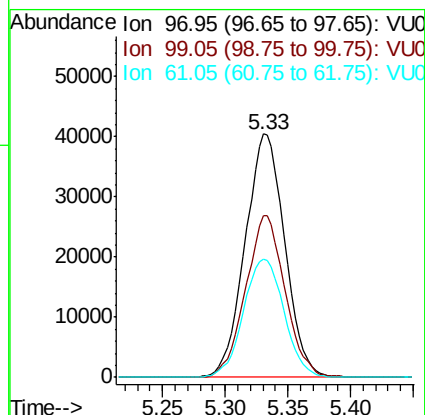
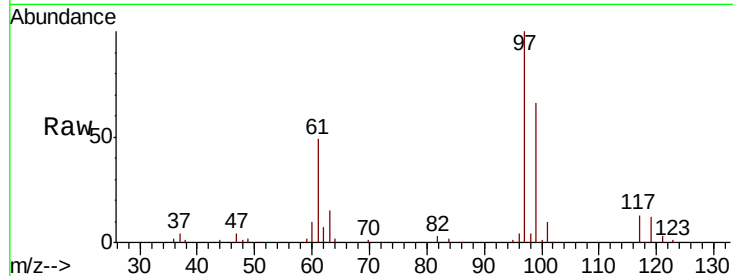




#29
 1,1,1-Trichloroethane
 Concen: 4.398 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040226.D
 Acq: 21 Sep 2020 10:17

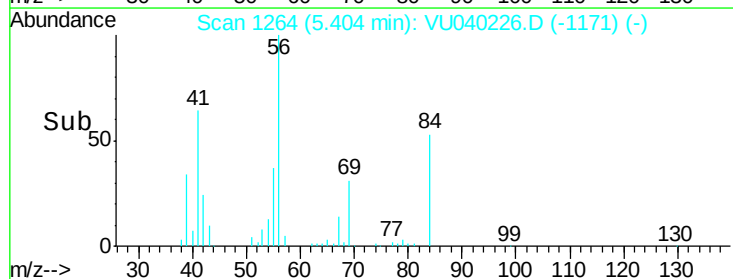
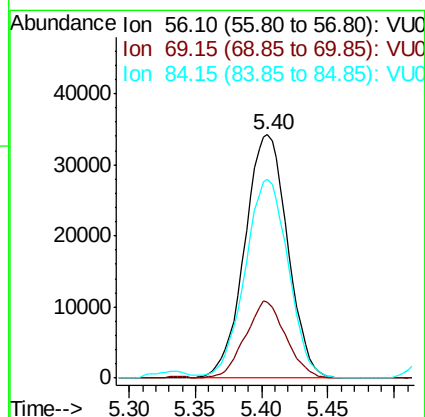
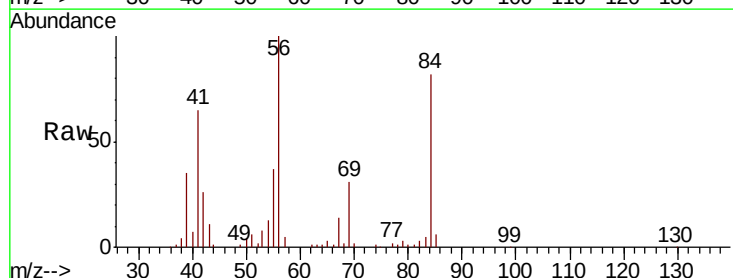
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00515

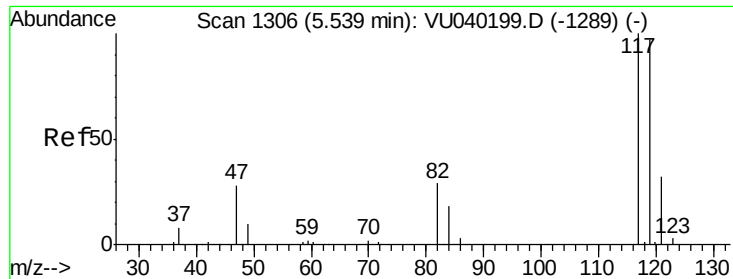
Tot Ion: 97 Resp: 88912
 Ion Ratio Lower Upper
 97 100
 99 66.1 50.9 76.3
 61 49.6 39.5 59.3



#30
 Cyclohexane
 Concen: 3.937 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040226.D
 Acq: 21 Sep 2020 10:17

Tgt Ion: 56 Resp: 77184
 Ion Ratio Lower Upper
 56 100
 69 29.8 24.1 36.1
 84 82.6 65.0 97.4





#31

Carbon tetrachloride

Concen: 4.457 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

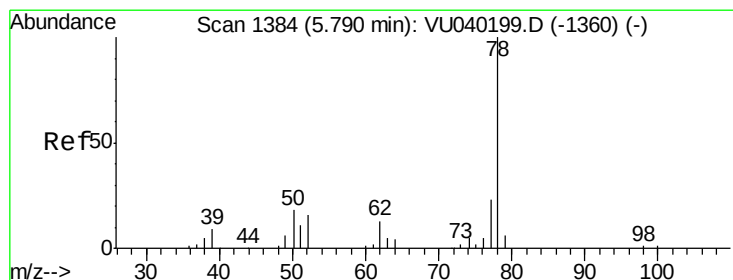
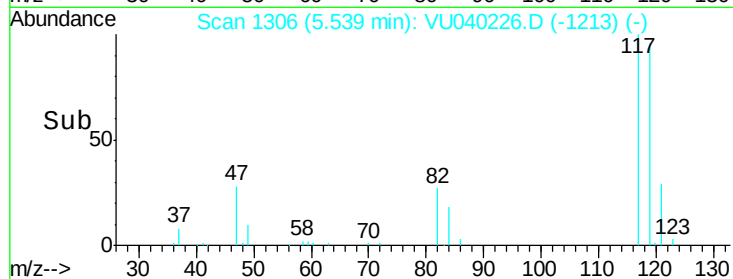
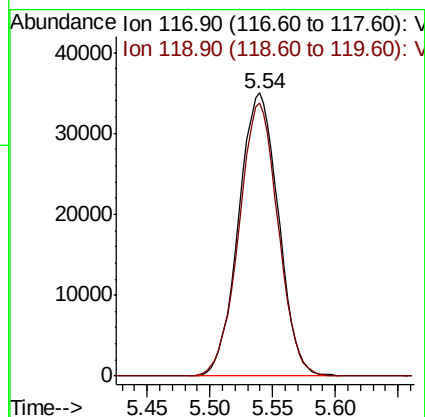
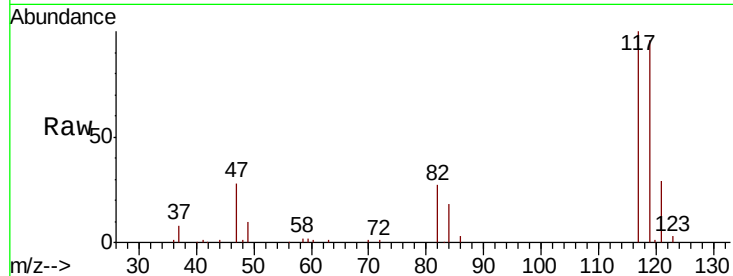
VSTD00515

Tot Ion:117 Resp: 77116

Ion Ratio Lower Upper

117 100

119 95.0 77.7 116.5



#33

Benzene

Concen: 4.465 ug/L

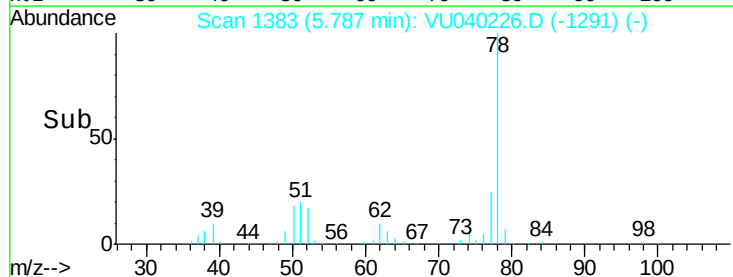
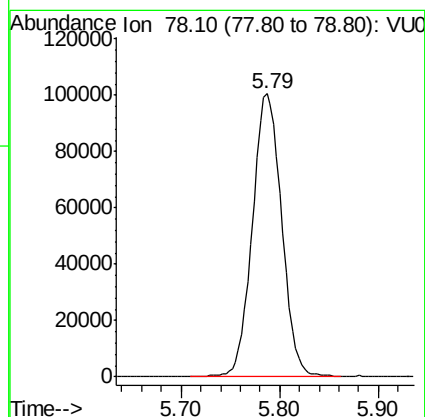
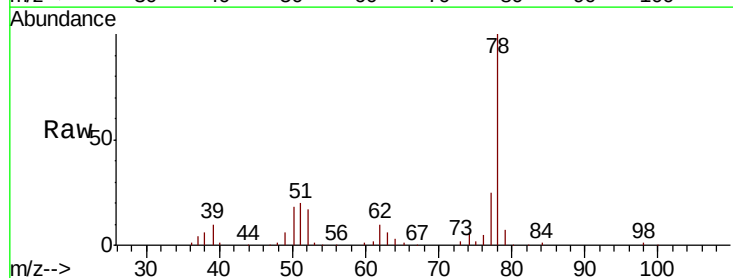
RT: 5.79 min Scan# 1383

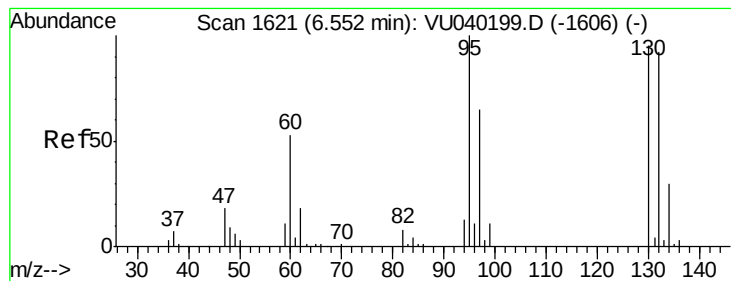
Delta R.T. -0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Tgt Ion: 78 Resp: 205698





#34

Trichloroethene

Concen: 4.411 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tot Ion: 95 Resp: 54505

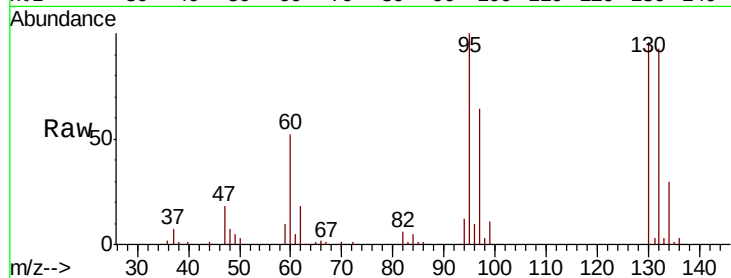
Ion Ratio Lower Upper

95 100

97 64.1 43.3 80.5

132 93.4 59.4 110.4

130 96.0 64.8 120.4

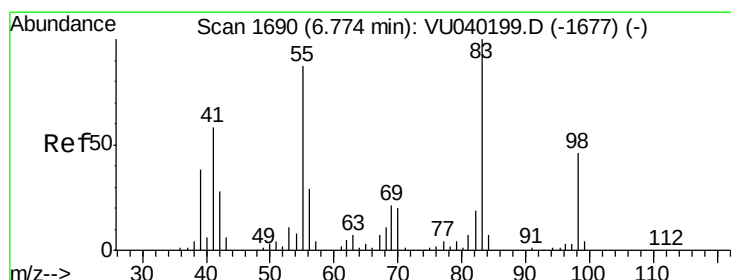
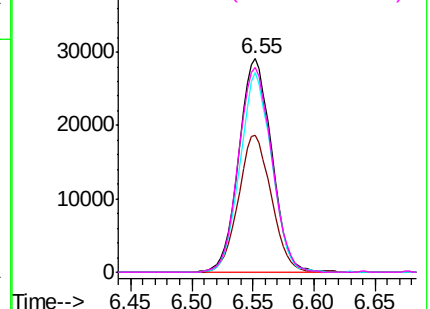
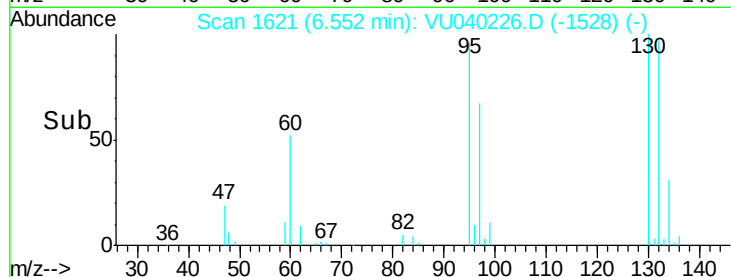


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.002 ug/L

RT: 6.77 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

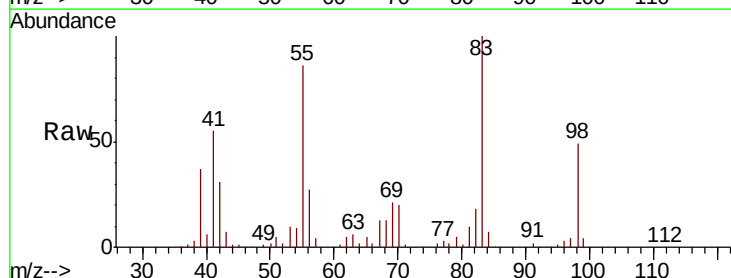
Tgt Ion: 83 Resp: 75713

Ion Ratio Lower Upper

83 100

55 87.3 70.5 105.7

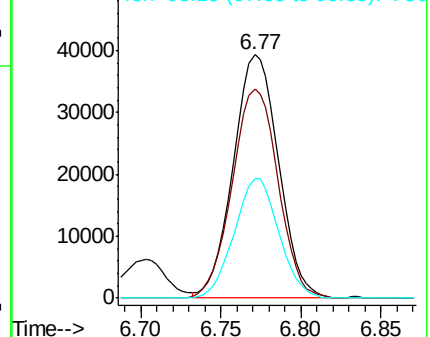
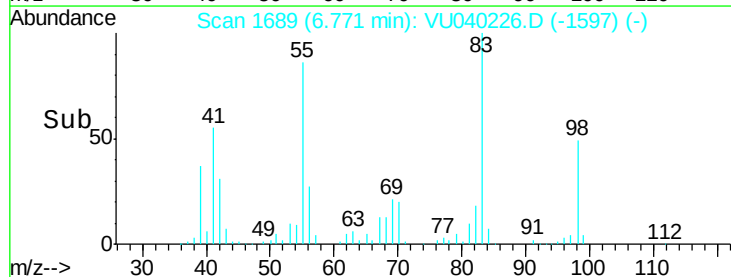
98 48.5 37.8 56.6

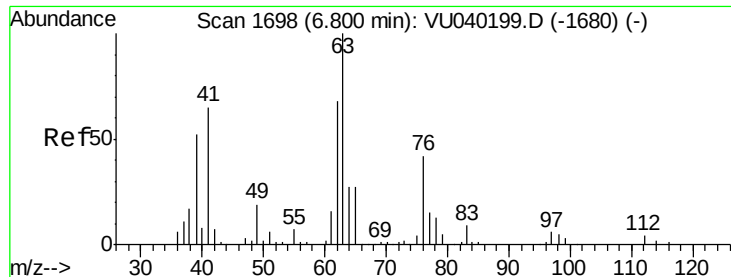


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

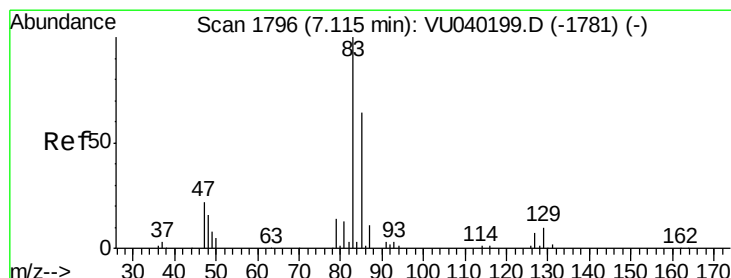
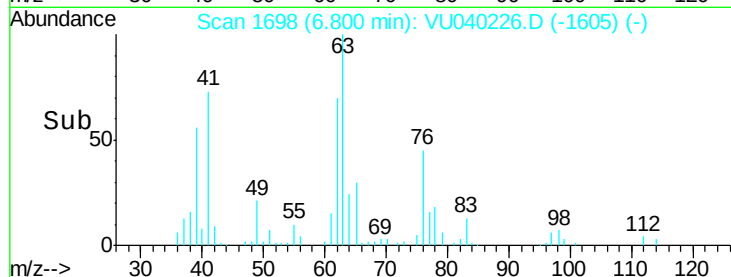
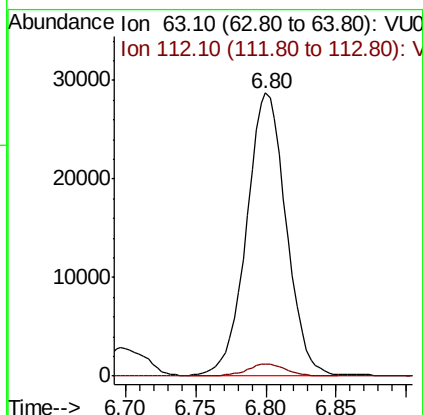
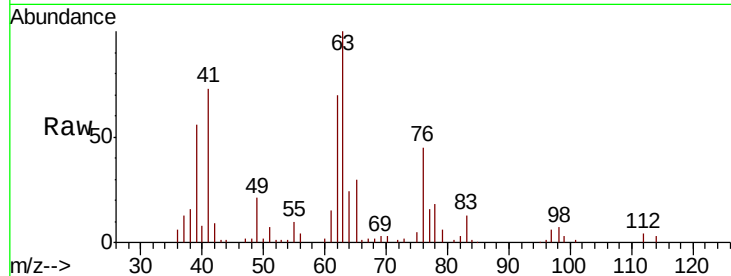




#37
 1,2-Dichloropropane
 Concen: 4.536 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU040226.D
 Acq: 21 Sep 2020 10:17

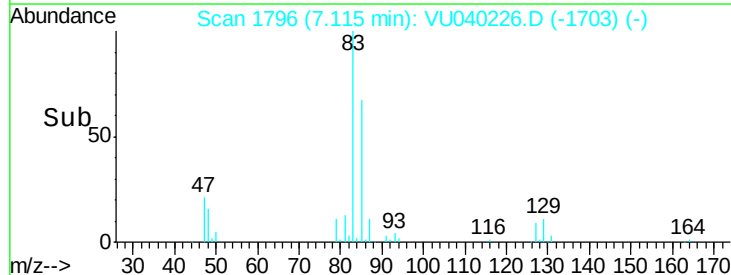
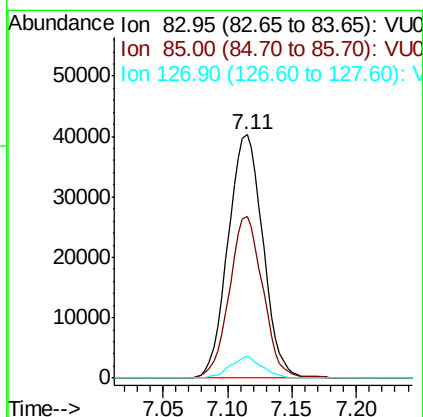
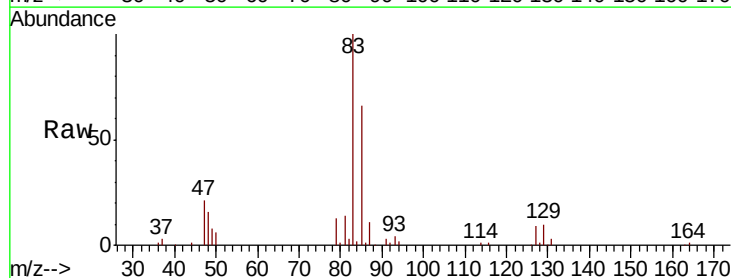
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

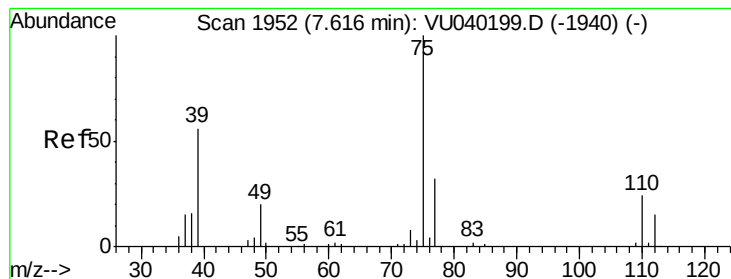
Tot Ion: 63 Resp: 56583
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.447 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040226.D
 Acq: 21 Sep 2020 10:17

Tgt Ion: 83 Resp: 75714
 Ion Ratio Lower Upper
 83 100
 85 66.3 45.1 83.9
 127 8.9 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.132 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

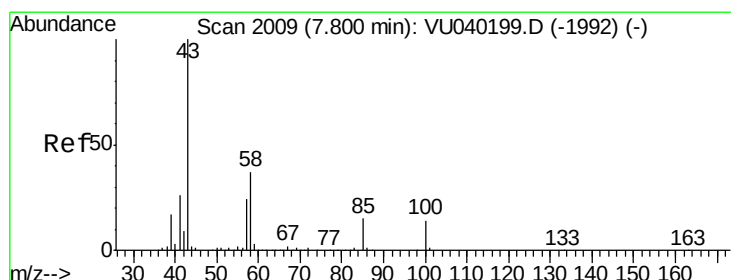
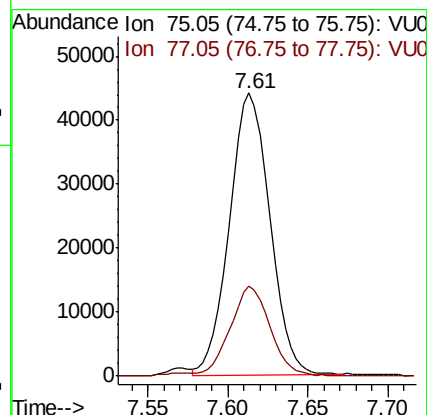
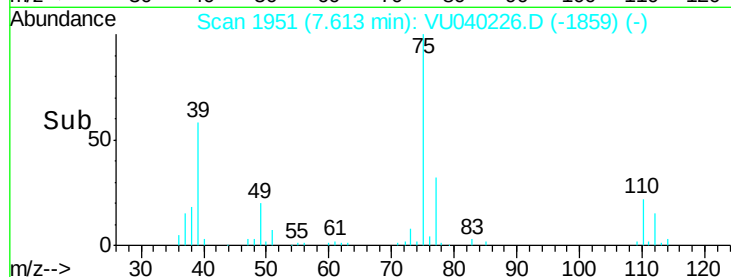
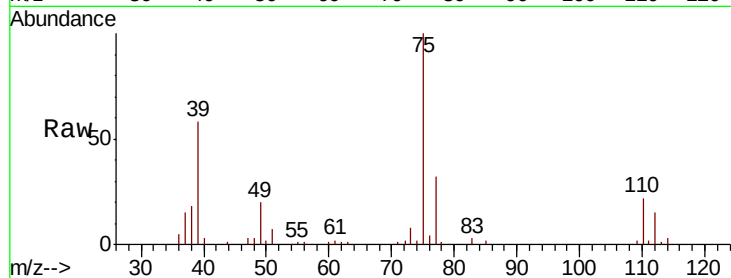
VSTD00515

Tot Ion: 75 Resp: 76008

Ion Ratio Lower Upper

75 100

77 31.8 21.1 39.3



#40

4-Methyl-2-pentanone

Concen: 45.296 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

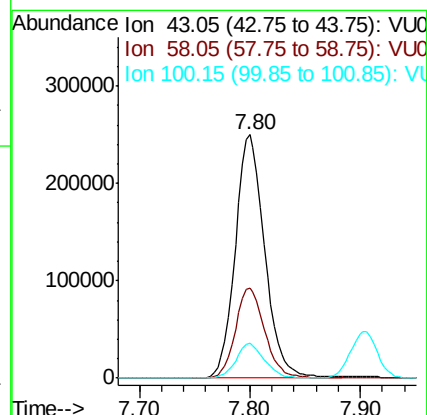
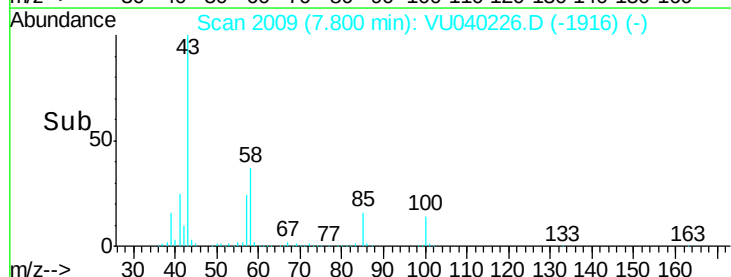
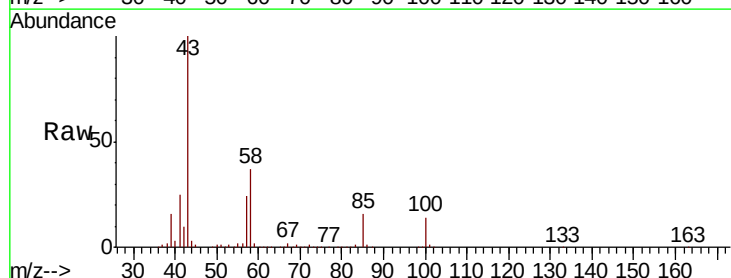
Tgt Ion: 43 Resp: 463569

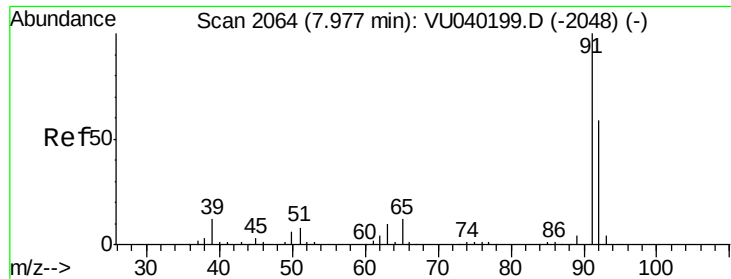
Ion Ratio Lower Upper

43 100

58 36.8 28.7 43.1

100 13.8 10.2 15.2





#42

Toluene

Concen: 4.577 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

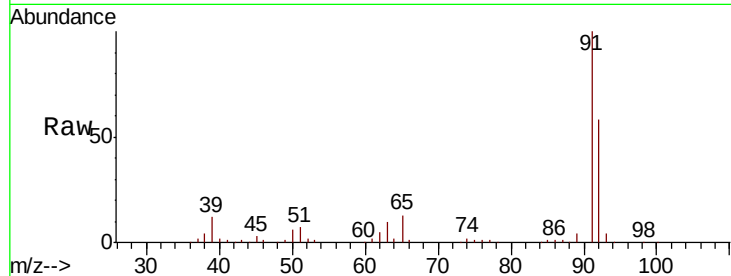
VSTD00515

Tot Ion: 91 Resp: 217153

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

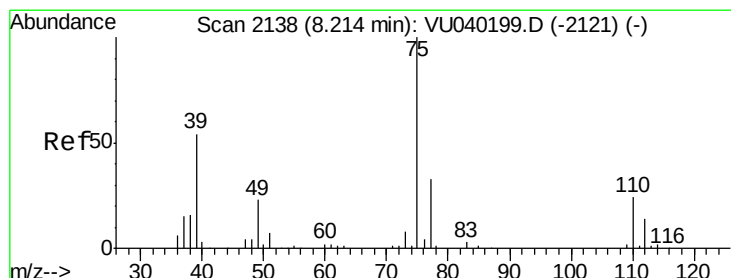
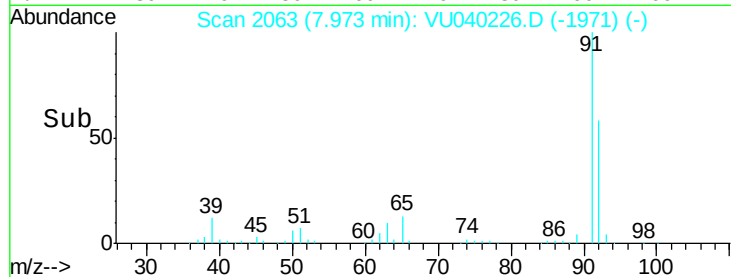
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.394 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040226.D

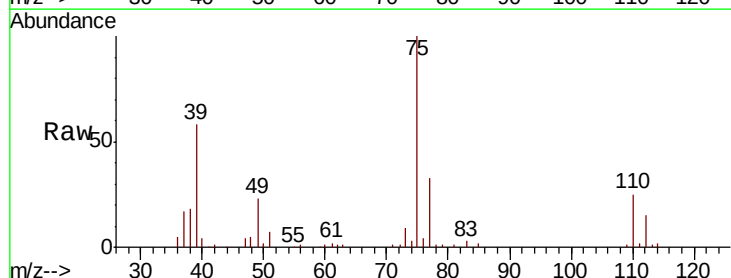
Acq: 21 Sep 2020 10:17

Tgt Ion: 75 Resp: 74893

Ion Ratio Lower Upper

75 100

77 32.7 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

50000

40000

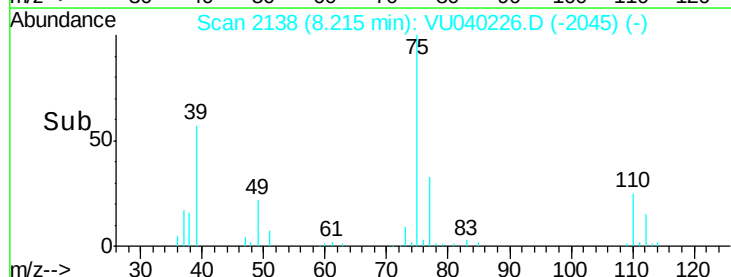
30000

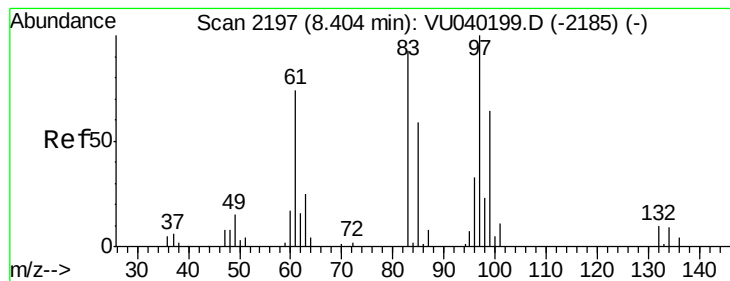
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.666 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tot Ion: 97 Resp: 42398

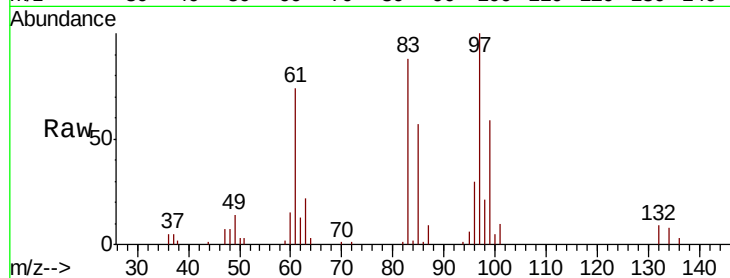
Ion Ratio Lower Upper

97 100

99 59.2 43.0 79.8

83 88.0 61.7 114.7

85 57.3 39.3 73.1

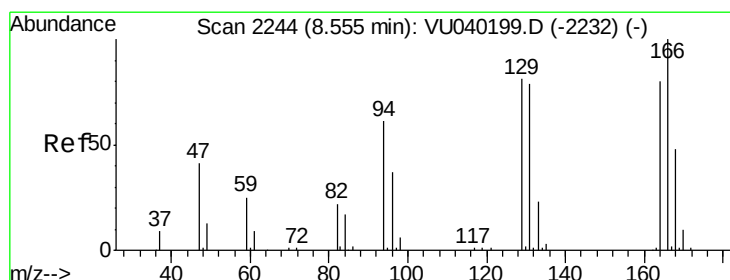
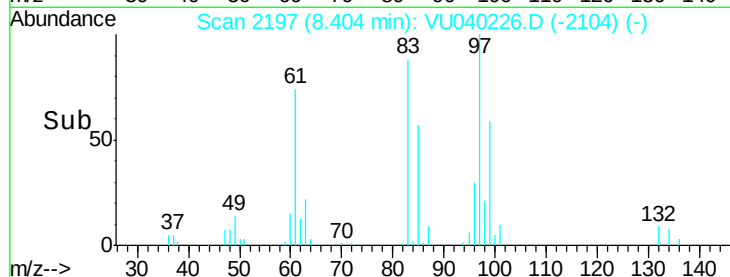
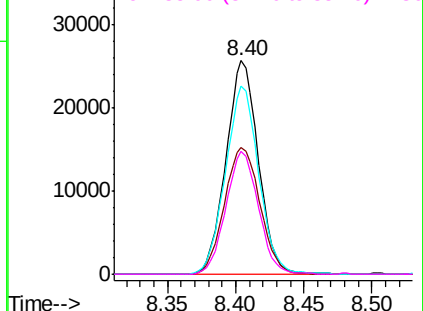


Abundance Ion 96.95 (96.65 to 97.65): VU040226.D (-2104) (-)

Ion 99.05 (98.75 to 99.75): VU040226.D (-2104) (-)

Ion 82.95 (82.65 to 83.65): VU040226.D (-2104) (-)

Ion 85.00 (84.70 to 85.70): VU040226.D (-2104) (-)



#47

Tetrachloroethene

Concen: 4.650 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Tgt Ion: 164 Resp: 37746

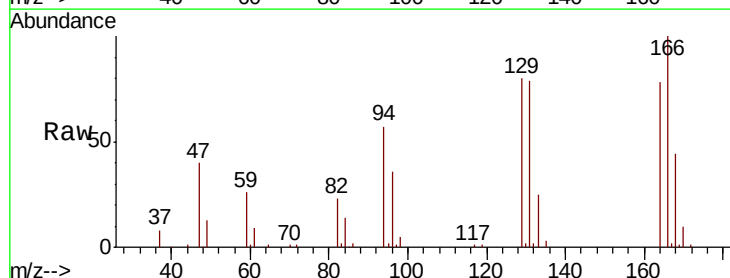
Ion Ratio Lower Upper

164 100

129 102.7 71.5 132.7

131 101.8 65.9 122.5

166 128.9 87.3 162.1

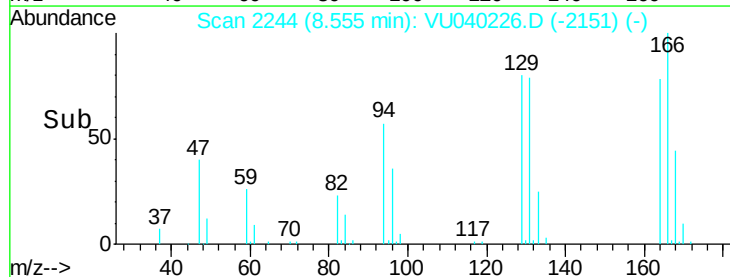
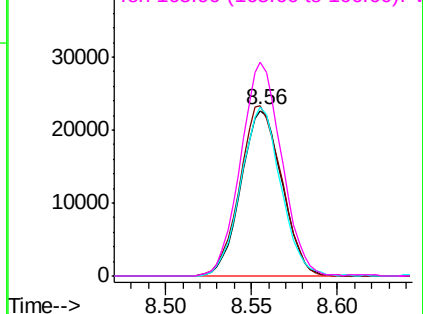


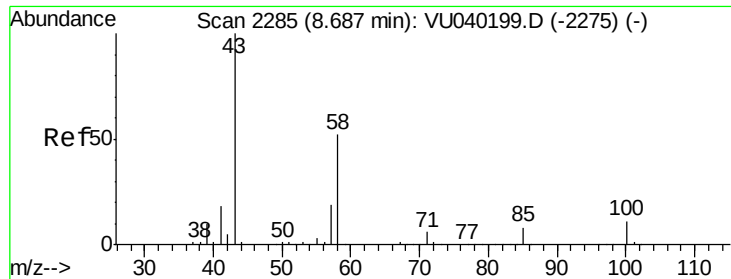
Abundance Ion 163.90 (163.60 to 164.60): VU040226.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU040226.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU040226.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU040226.D (-2151) (-)

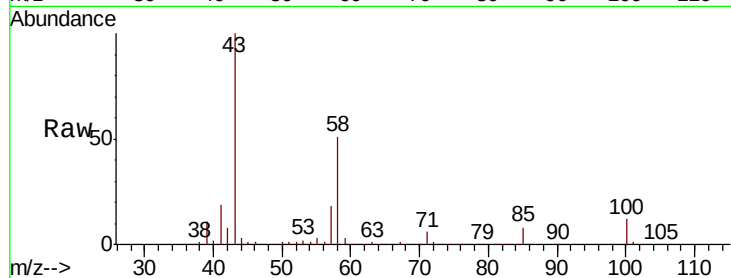




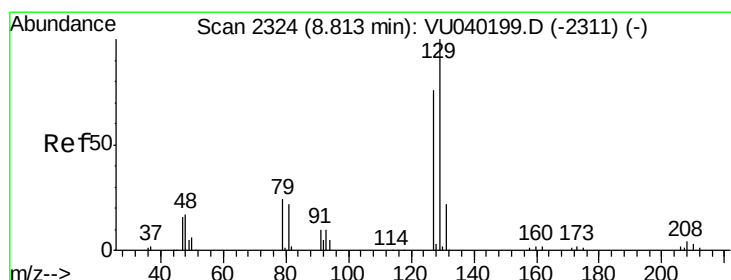
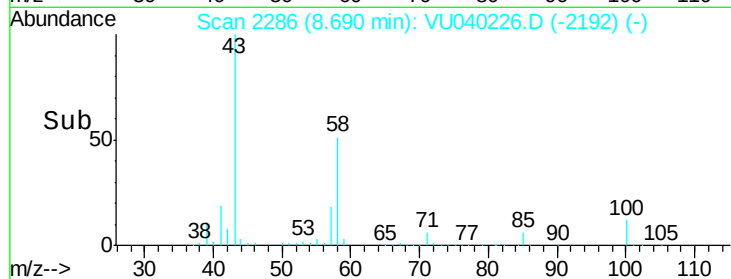
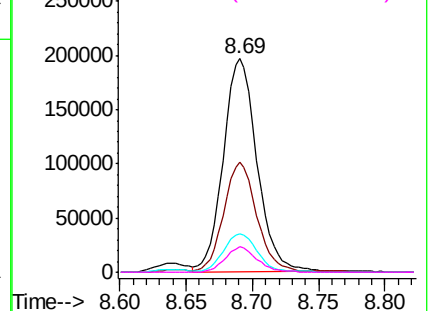
#48
2-Hexanone
Concen: 46.168 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion: 43 Resp: 344654
Ion Ratio Lower Upper
43 100
58 50.0 39.6 59.4
57 18.3 14.3 21.5
100 11.4 8.0 12.0

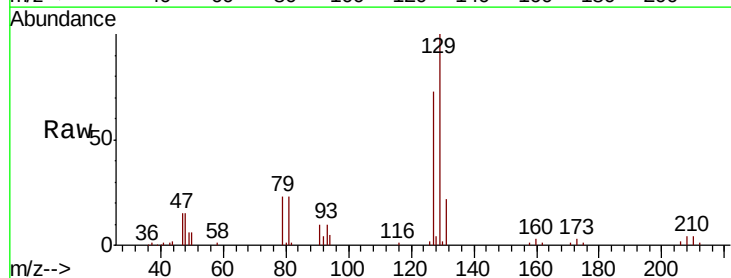


Abundance Ion 43.05 (42.75 to 43.75): VU040199.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU040199.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU040199.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU040199.D (-2275) (-)

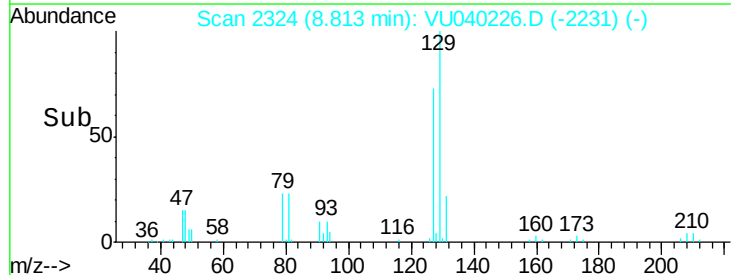
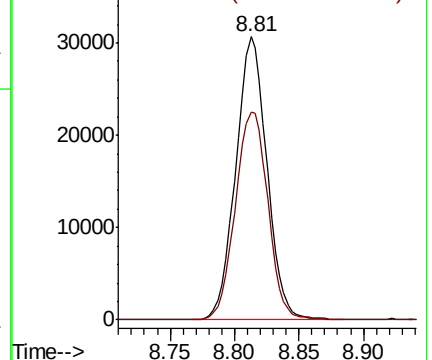


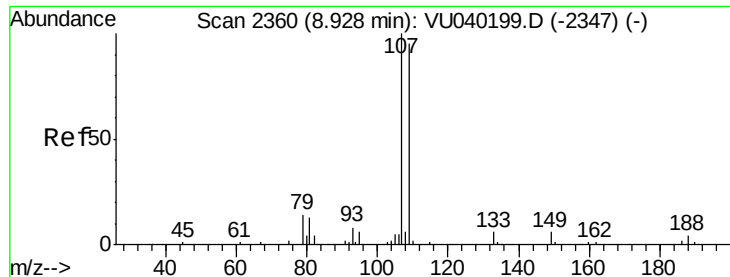
#49
Dibromochloromethane
Concen: 4.723 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

Tgt Ion: 129 Resp: 51512
Ion Ratio Lower Upper
129 100
127 73.2 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040199.D (-2311) (-)
Ion 126.90 (126.60 to 127.60): VU040199.D (-2311) (-)

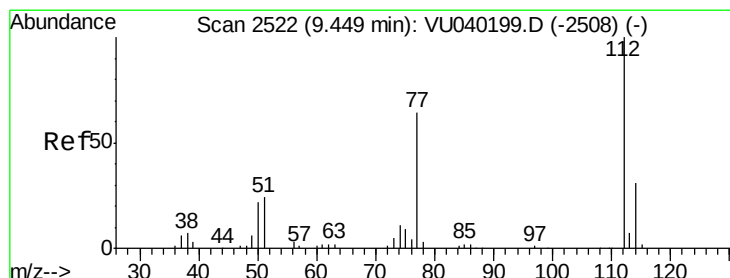
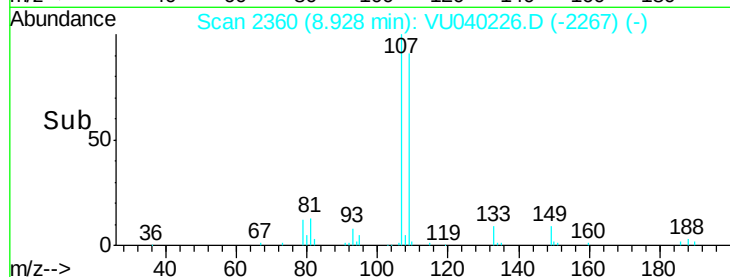
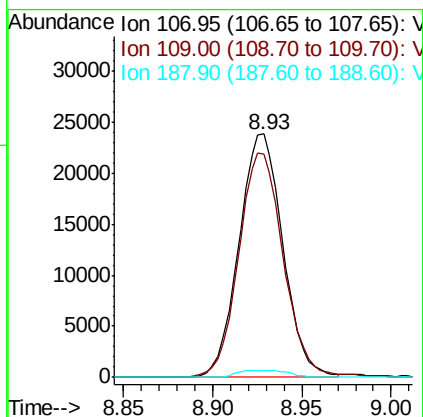
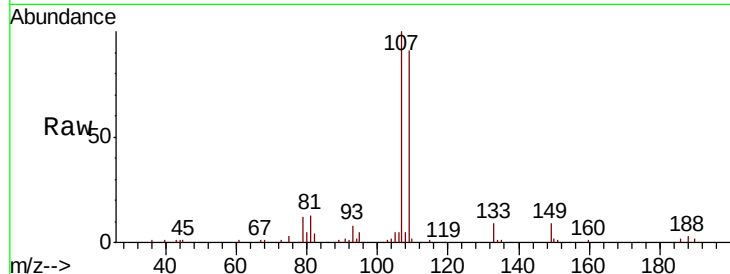




#50
1,2-Dibromoethane
Concen: 4.662 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

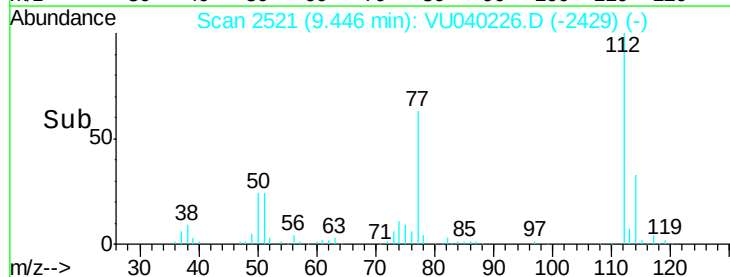
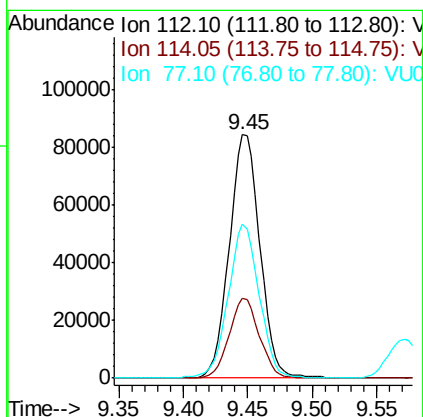
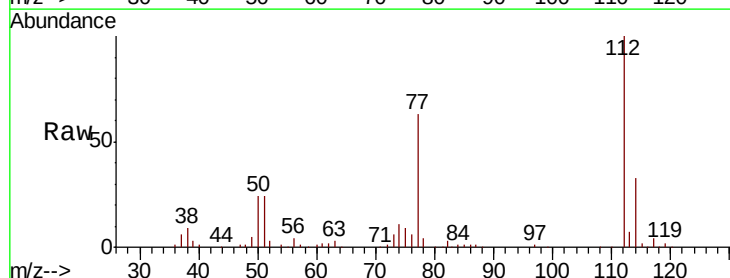
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

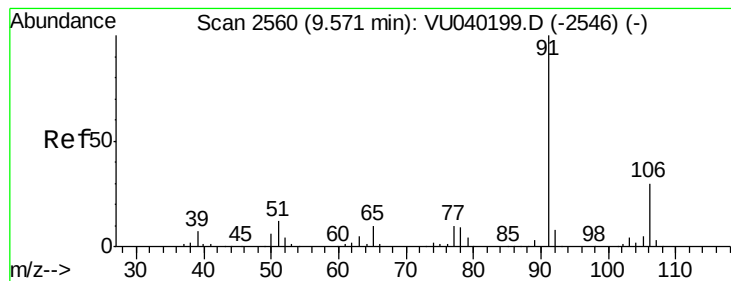
Tot Ion:107 Resp: 40839
Ion Ratio Lower Upper
107 100
109 91.4 62.4 115.8
188 2.8 2.3 3.5



#51
Chlorobenzene
Concen: 4.728 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

Tgt Ion:112 Resp: 139247
Ion Ratio Lower Upper
112 100
114 32.6 22.7 42.3
77 63.1 53.2 79.8





#52

Ethylbenzene

Concen: 4.364 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

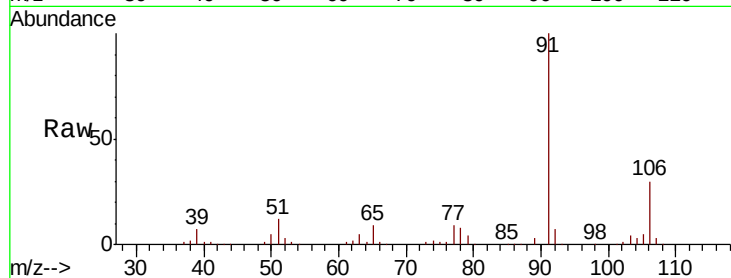
VSTD00515

Tot Ion: 91 Resp: 235199

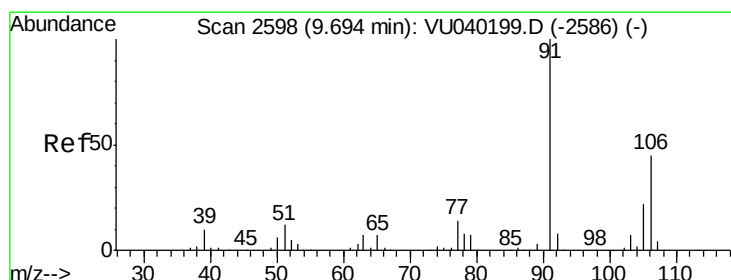
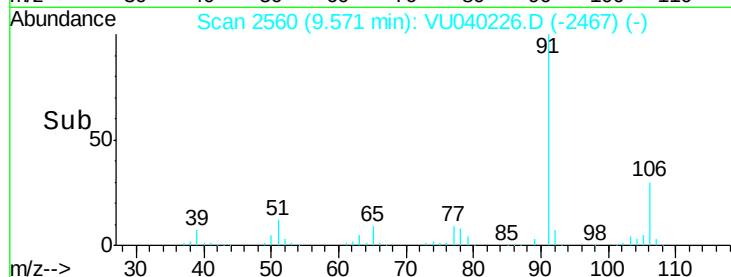
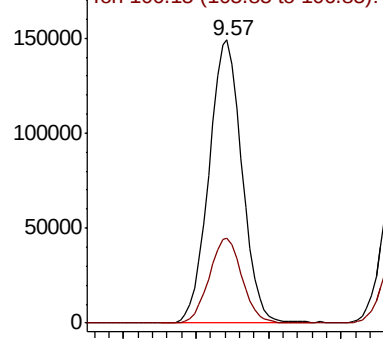
Ion Ratio Lower Upper

91 100

106 30.2 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040199.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.657 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040226.D

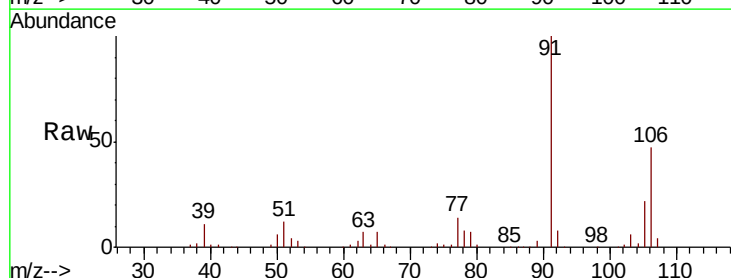
Acq: 21 Sep 2020 10:17

Tgt Ion: 106 Resp: 89377

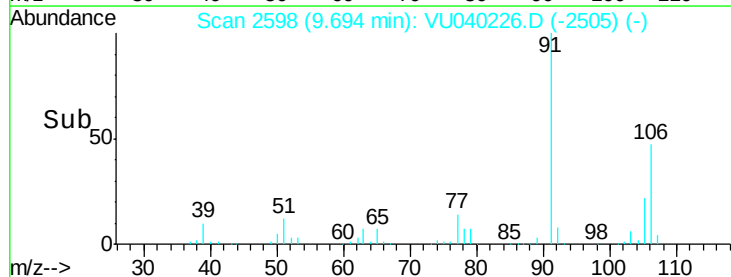
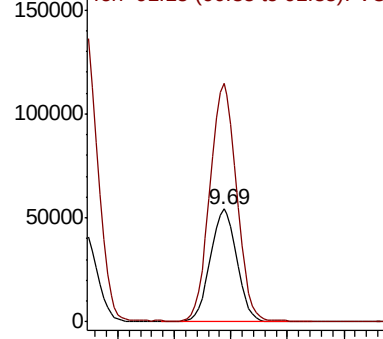
Ion Ratio Lower Upper

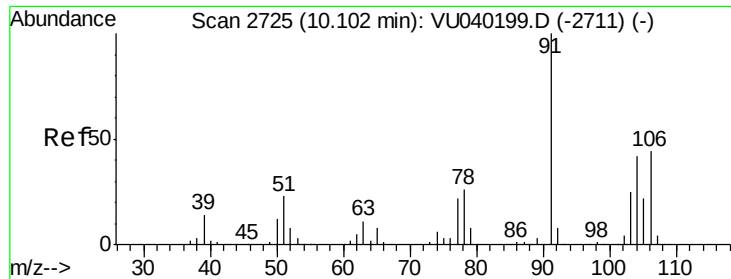
106 100

91 211.5 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040199.D (-2586) (-)

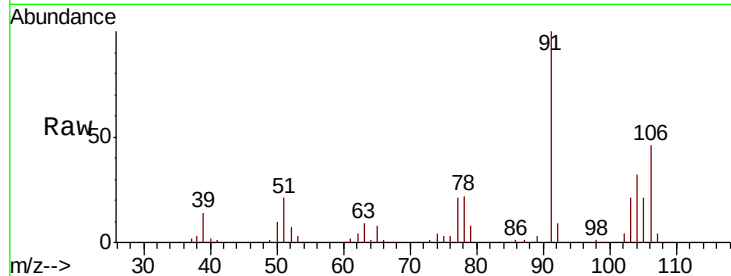




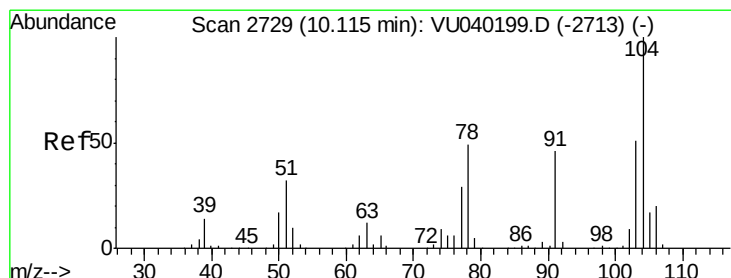
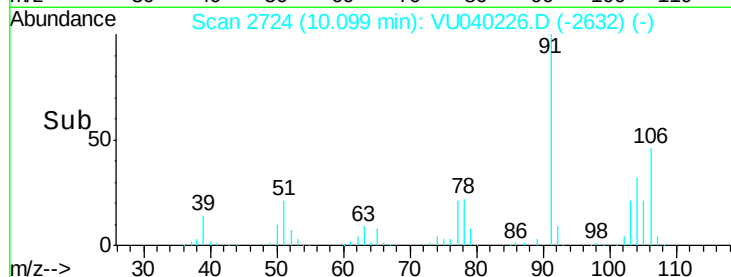
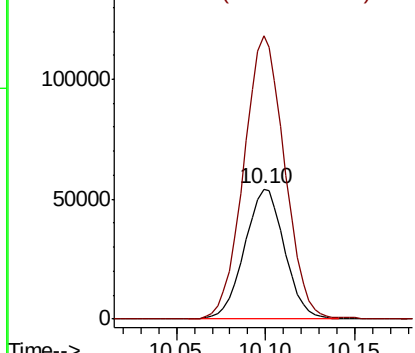
#54
o-Xylene
Concen: 4.668 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion:106 Resp: 85366
Ion Ratio Lower Upper
106 100
91 217.7 160.8 298.6

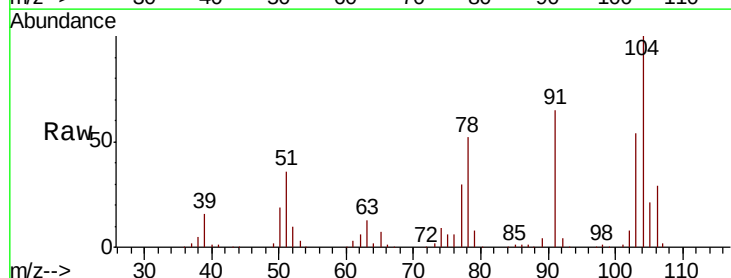


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

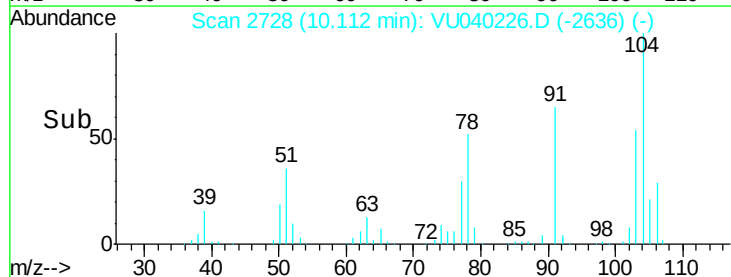
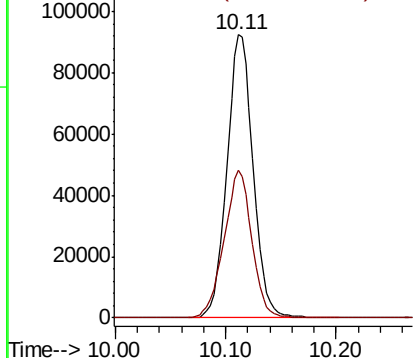


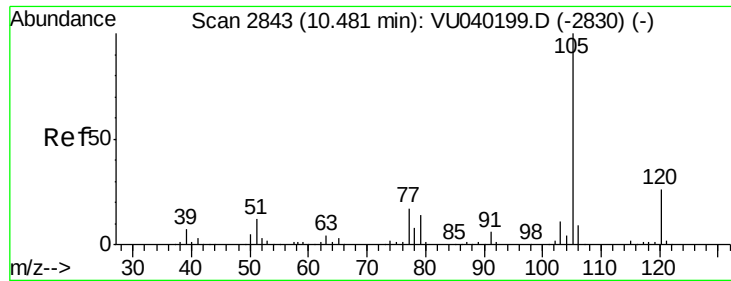
#55
Styrene
Concen: 4.774 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

Tgt Ion:104 Resp: 151820
Ion Ratio Lower Upper
104 100
78 52.1 36.8 68.3



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





#56

Isopropylbenzene

Concen: 4.726 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

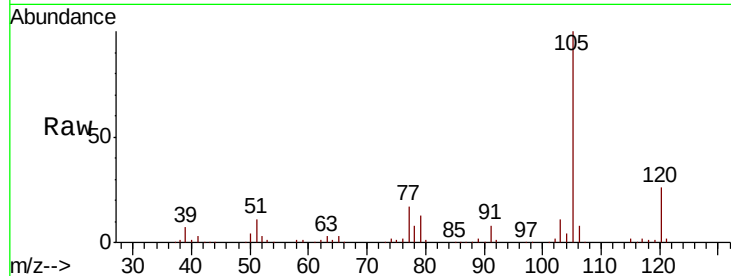
Tot Ion:105 Resp: 235712

Ion Ratio Lower Upper

105 100

120 25.3 20.1 30.1

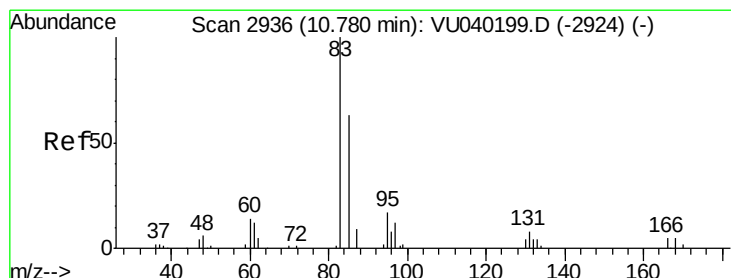
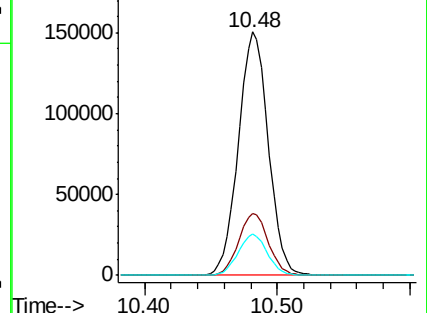
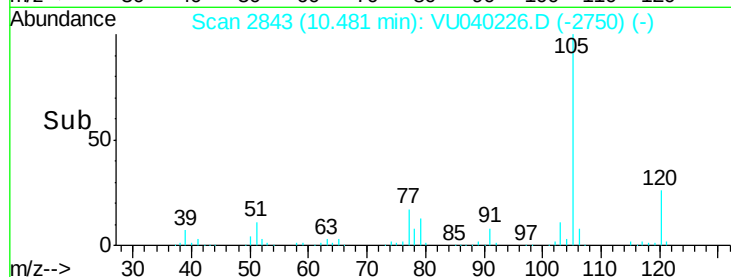
77 16.7 14.4 21.6



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: 4.753 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

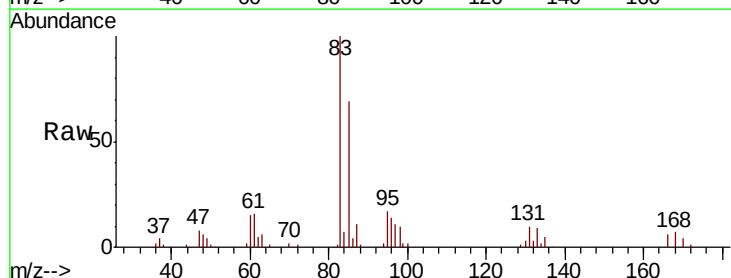
Tgt Ion: 83 Resp: 55382

Ion Ratio Lower Upper

83 100

85 68.8 44.9 83.3

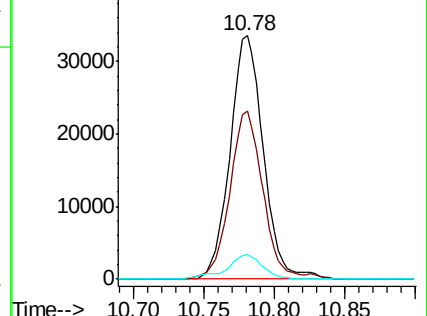
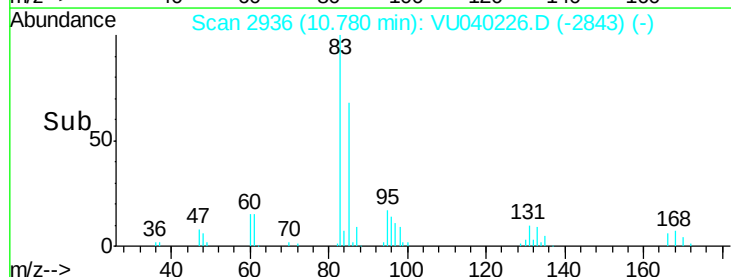
131 9.9 7.4 11.0

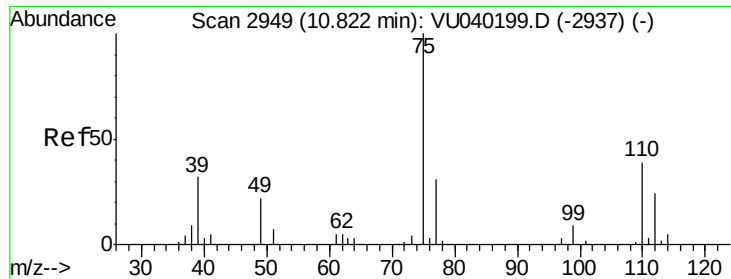


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

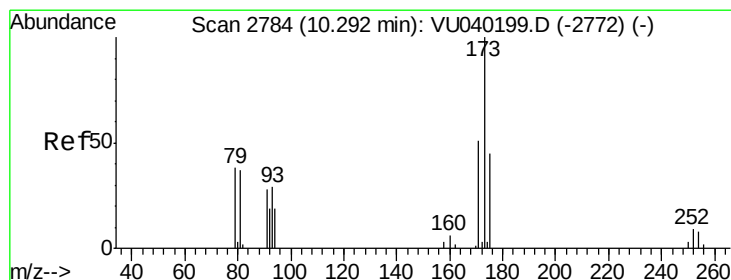
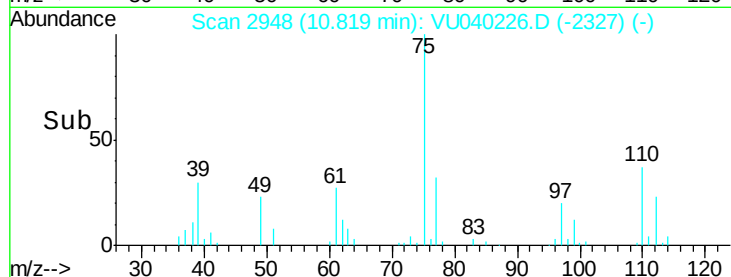
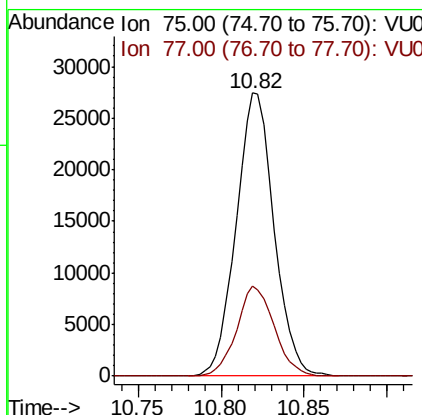
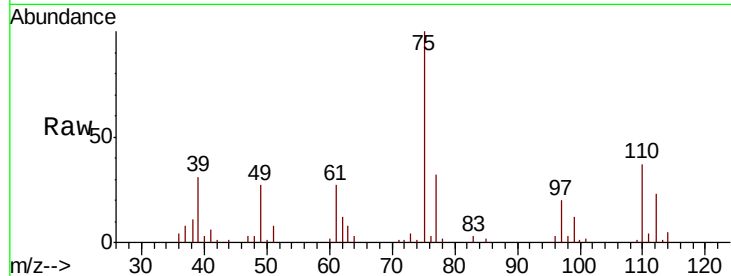




#59
 1,2,3-Trichloropropane
 Concen: 4.707 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU040226.D
 Acq: 21 Sep 2020 10:17

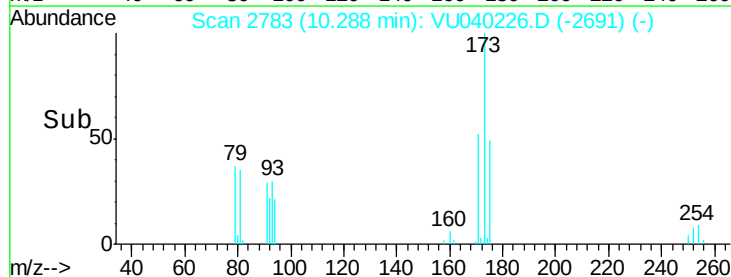
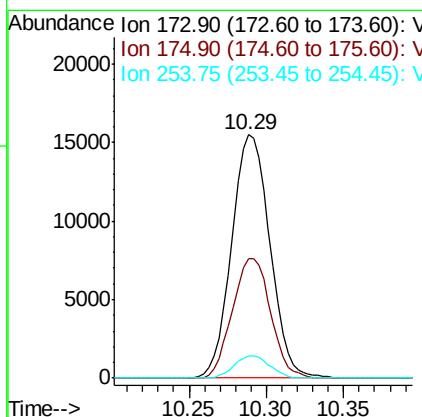
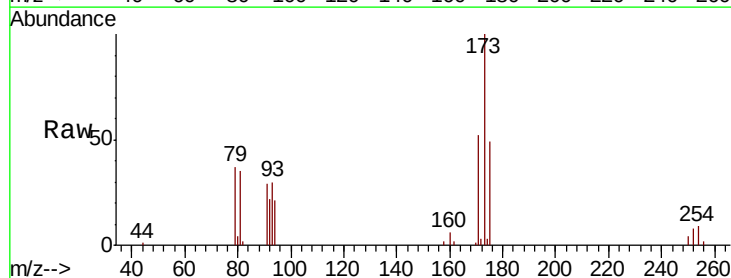
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

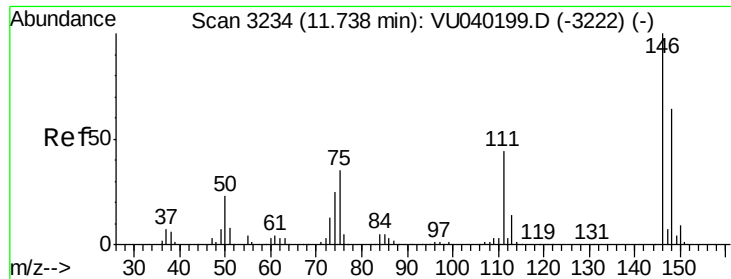
Tot Ion: 75 Resp: 43495
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.9 37.3



#61
 Bromoform
 Concen: 4.691 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040226.D
 Acq: 21 Sep 2020 10:17

Tgt Ion: 173 Resp: 26579
 Ion Ratio Lower Upper
 173 100
 175 49.1 37.8 56.6
 254 8.5 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 4.928 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

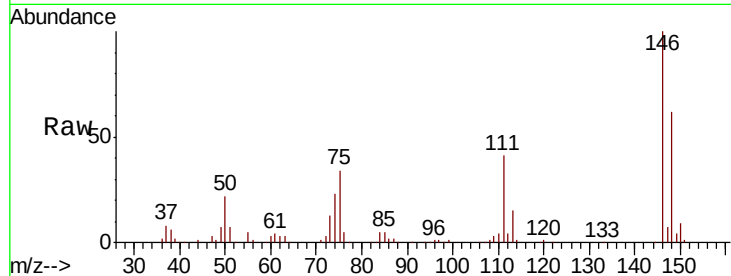
Tot Ion:146 Resp: 111284

Ion Ratio Lower Upper

146 100

111 41.2 31.6 58.8

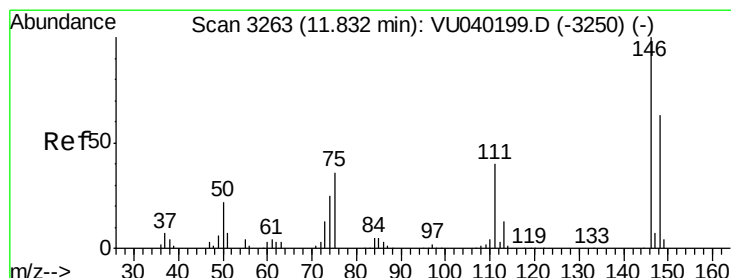
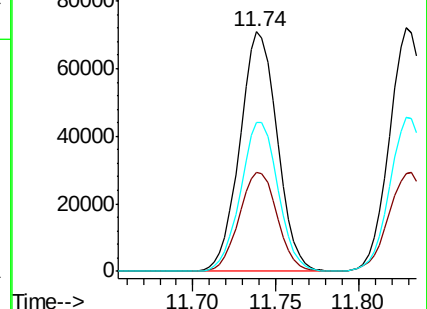
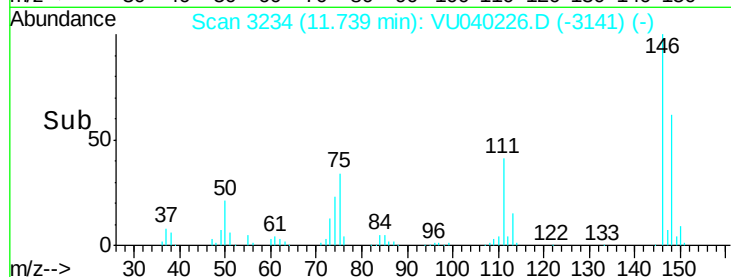
148 62.4 44.2 82.0



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



#63

1,4-Dichlorobenzene

Concen: 5.020 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

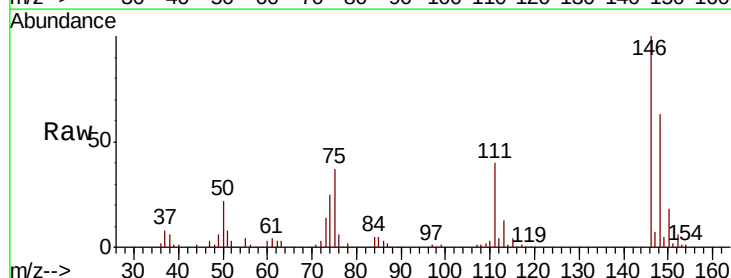
Tgt Ion:146 Resp: 114703

Ion Ratio Lower Upper

146 100

111 40.3 30.5 56.7

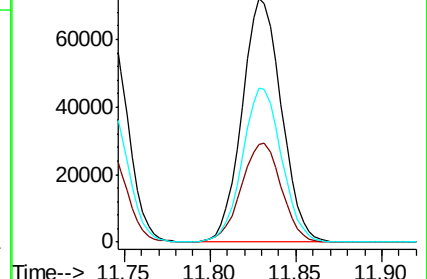
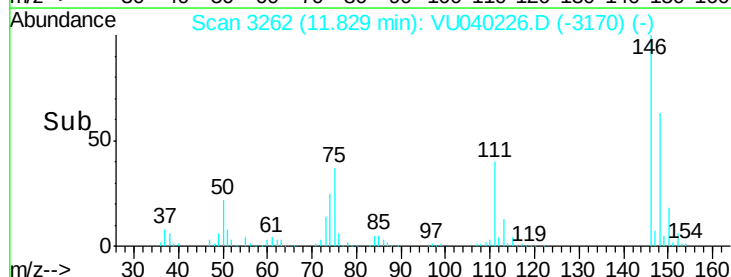
148 63.3 45.4 84.4

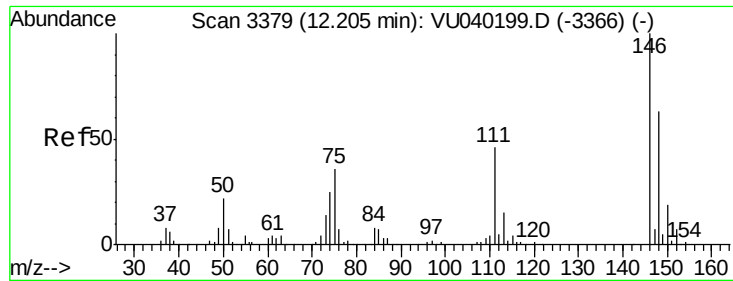


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.839 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

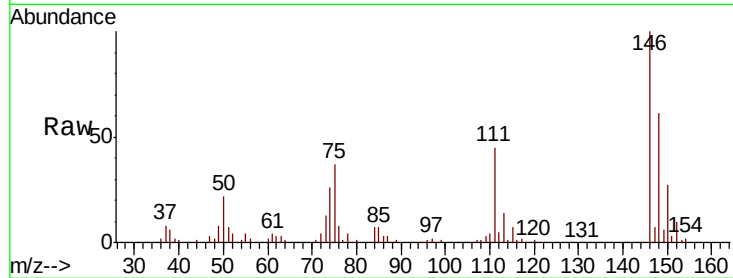
Tot Ion:146 Resp: 105722

Ion Ratio Lower Upper

146 100

111 44.6 36.5 54.7

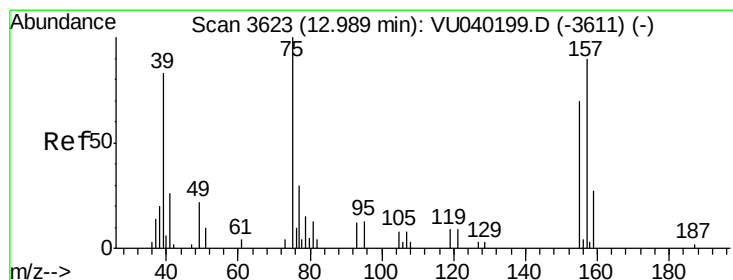
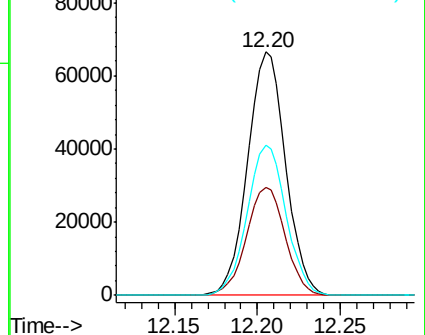
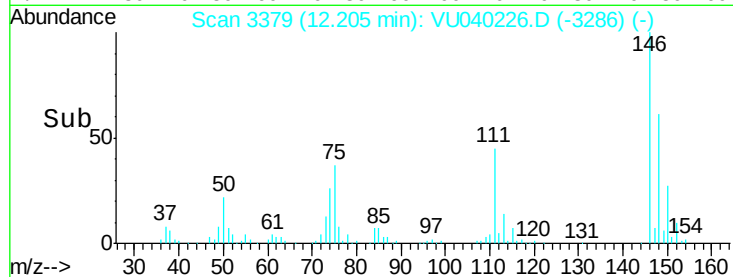
148 61.4 48.6 72.8



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: 4.299 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040226.D

Acq: 21 Sep 2020 10:17

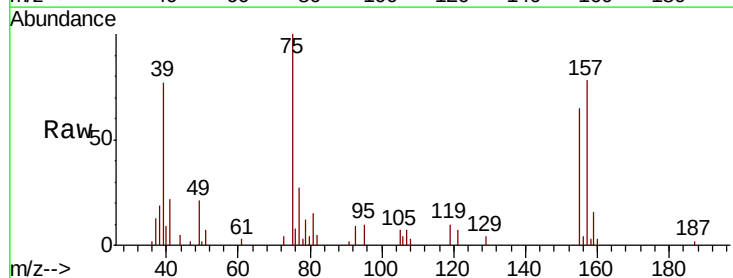
Tgt Ion: 75 Resp: 10045

Ion Ratio Lower Upper

75 100

155 64.8 54.6 82.0

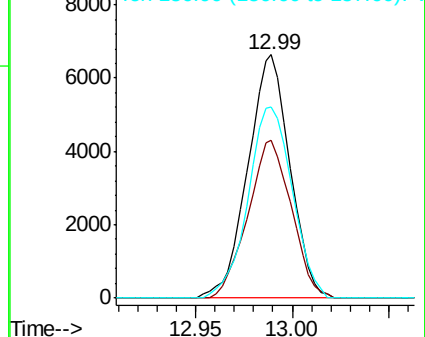
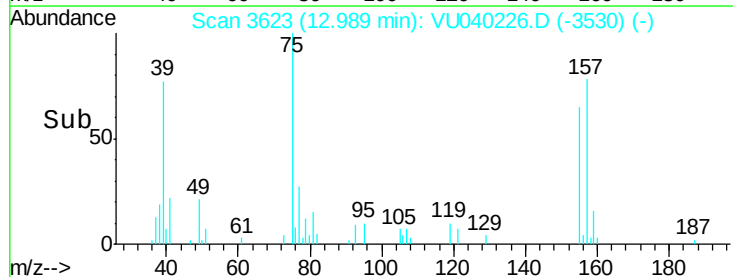
157 78.5 75.6 113.4

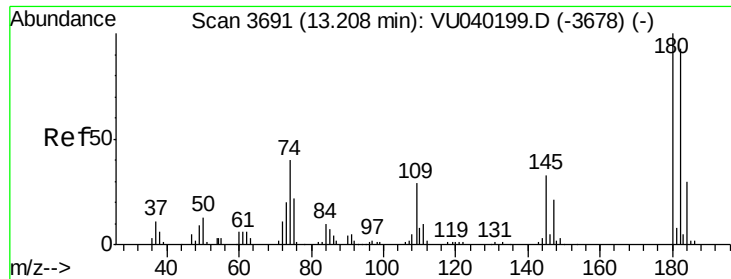


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

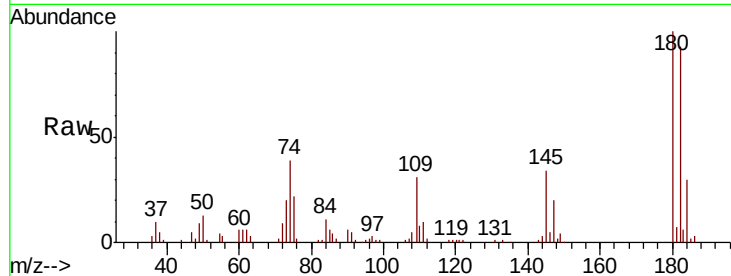




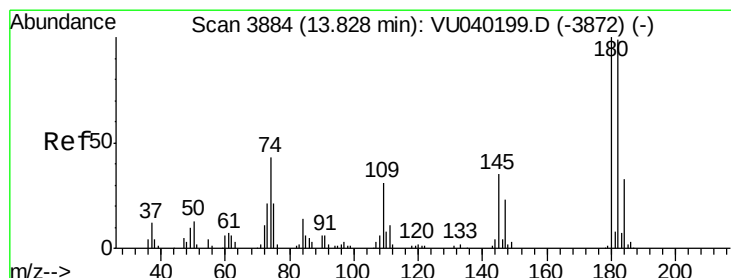
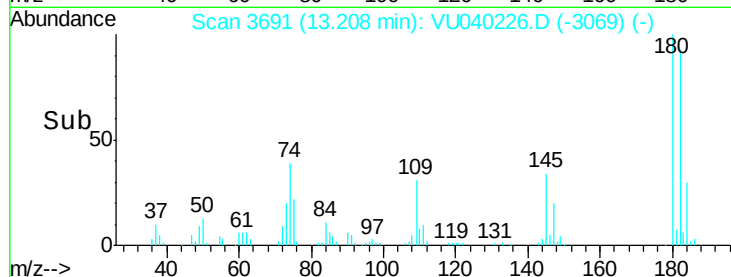
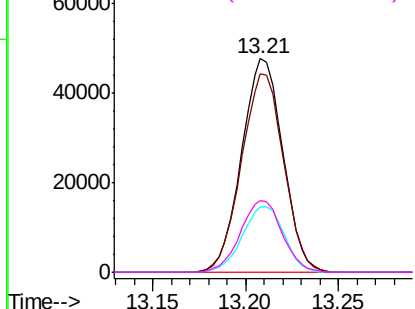
#67
 1,3,5-Trichlorobenzene
 Concen: 4.640 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU040226.D
 Acq: 21 Sep 2020 10:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tot Ion:180 Resp: 73671
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.9 115.3
 184 31.0 24.6 36.8
 145 34.0 27.0 40.6

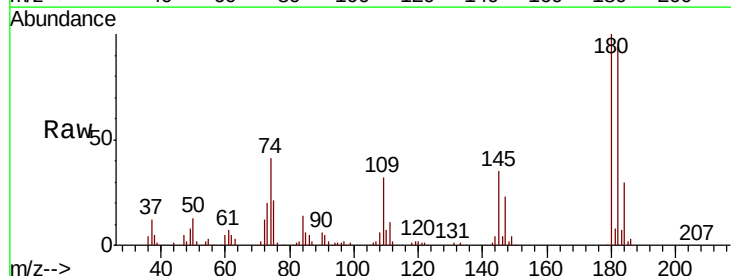


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

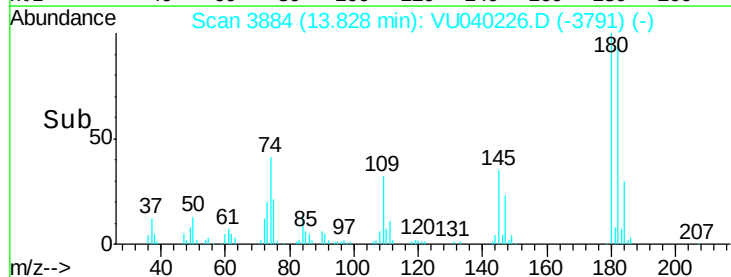
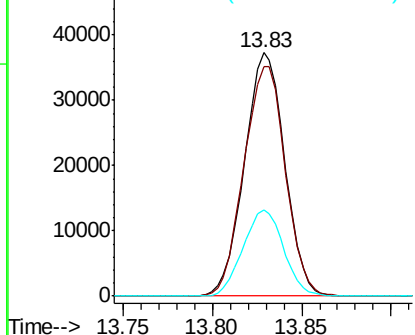


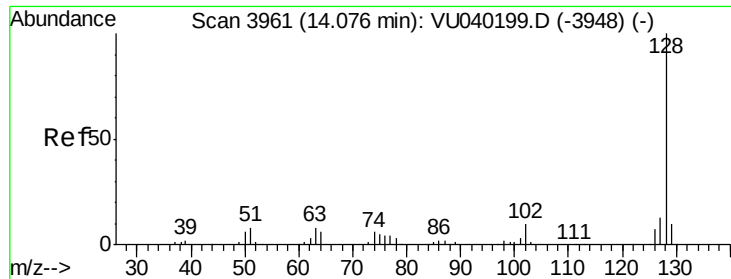
#68
 1,2,4-trichlorobenzene
 Concen: 4.306 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040226.D
 Acq: 21 Sep 2020 10:17

Tgt Ion:180 Resp: 58881
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.0 114.0
 145 35.6 28.4 42.6



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

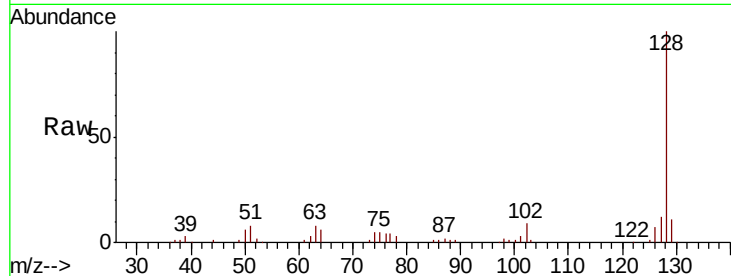




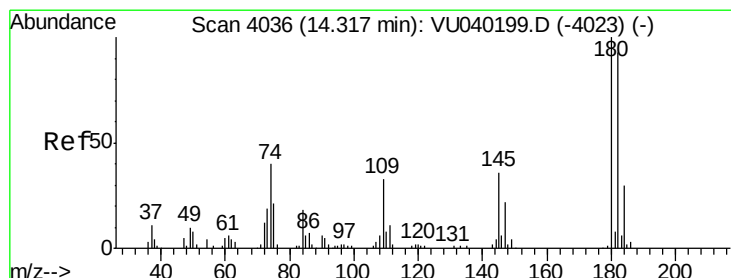
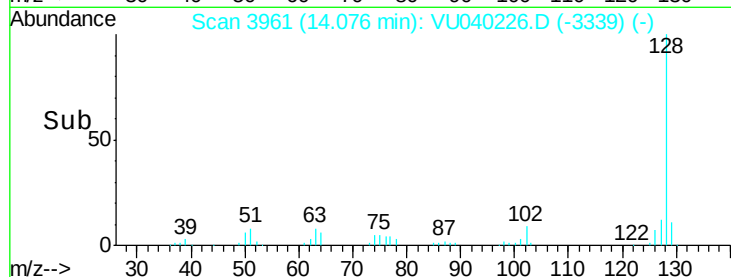
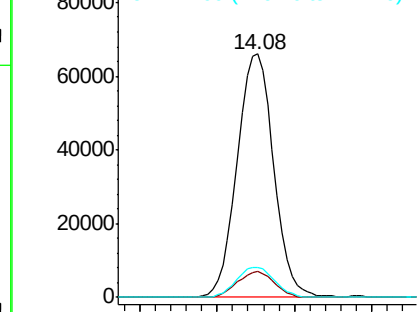
#69
Naphthalene
Concen: 3.804 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion:128 Resp: 108448
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 12.9 10.7 16.1

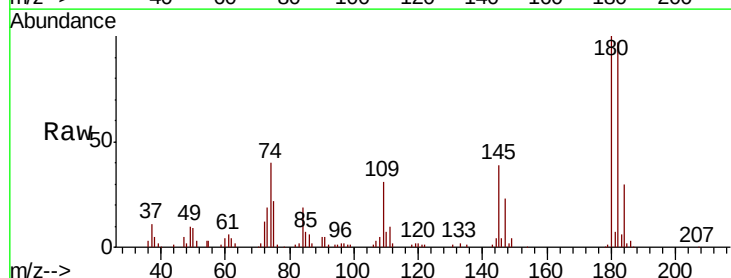


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 4.480 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU040226.D
Acq: 21 Sep 2020 10:17

Tgt Ion:180 Resp: 56282
Ion Ratio Lower Upper
180 100
182 95.8 77.8 116.6
145 38.1 28.7 43.1



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

