

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102620\
 Data File : VU040936.D
 Acq On : 26 Oct 2020 11:34
 Operator : SY/MD
 Sample : VSTD00503
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Quant Time: Oct 27 02:24:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 02:16:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	62104	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	62913	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	32767	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27704	6.16	ug/L	0.00
7) Chloroethane-d5	1.92	69	21920	5.71	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	53960	5.73	ug/L	0.00
20) 2-Butanone-d5	4.67	46	93041	58.88	ug/L	0.00
24) Chloroform-d	5.08	84	49212	5.23	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	30049	5.59	ug/L	0.00
32) Benzene-d6	5.74	84	92155	5.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	29309	5.20	ug/L	0.00
41) Toluene-d8	7.91	98	83962	5.63	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	13228	5.70	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	70974	60.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	27427	5.64	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	29745	5.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	29241	4.701	ug/L 100
3) Chloromethane	1.53	50	29918	4.487	ug/L 100
5) Vinyl chloride	1.61	62	29404	4.685	ug/L 100
6) Bromomethane	1.87	94	17341	5.304	ug/L 100
8) Chloroethane	1.94	64	18295	4.523	ug/L 100
9) Trichlorofluoromethane	2.15	101	40710	4.884	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	24403	5.028	ug/L 100
12) 1,1-Dichloroethene	2.59	96	22527	4.969	ug/L 100
13) Acetone	2.68	43	19389	17.436	ug/L # 30
14) Carbon disulfide	2.81	76	75398	4.722	ug/L 100
15) Methyl Acetate	2.97	43	13140	4.823	ug/L 100
16) Methylene chloride	3.06	84	25804	4.625	ug/L 100
17) Methyl tert-butyl Ether	3.38	73	57449	5.147	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	22428	4.795	ug/L 100
19) 1,1-Dichloroethane	3.89	63	45856	4.872	ug/L 100
21) 2-Butanone	4.75	43	96079	57.649	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	23834	4.663	ug/L 100
23) Bromochloromethane	4.99	128	11432	4.965	ug/L 100
25) Chloroform	5.11	83	46413	4.836	ug/L 100
27) 1,2-Dichloroethane	5.81	62	33781	5.095	ug/L 100
29) 1,1,1-Trichloroethane	5.33	97	38148	4.744	ug/L 100
30) Cyclohexane	5.41	56	38879	4.830	ug/L 100
31) Carbon tetrachloride	5.54	117	34661	4.857	ug/L 100
33) Benzene	5.79	78	97016	4.863	ug/L 100
34) Trichloroethene	6.56	95	24173	4.731	ug/L 100
35) Methylcyclohexane	6.77	83	36931	4.856	ug/L 100
37) 1,2-Dichloropropane	6.80	63	26517	4.908	ug/L 100
38) Bromodichloromethane	7.12	83	33572	4.863	ug/L 100
39) cis-1,3-Dichloropropene	7.62	75	35956	4.953	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	212599	56.637	ug/L 100

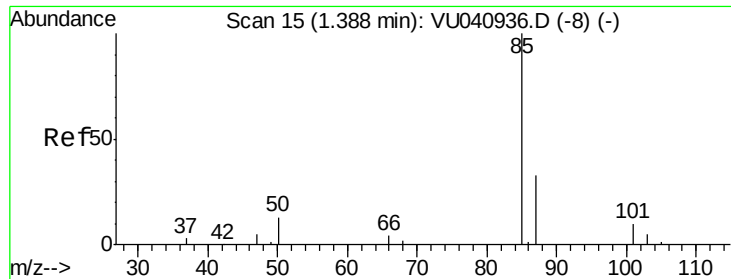
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	102070	5.074	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	34096	5.152	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	19000	5.106	ug/L	100
47) Tetrachloroethene	8.56	164	17776	4.695	ug/L	100
48) 2-Hexanone	8.69	43	164170	59.532	ug/L	100
49) Dibromochloromethane	8.82	129	22397	5.051	ug/L	100
50) 1,2-Dibromoethane	8.93	107	18145	5.202	ug/L	100
51) Chlorobenzene	9.45	112	62267	4.802	ug/L	100
52) Ethylbenzene	9.57	91	105151	4.860	ug/L	100
53) m,p-Xylene	9.69	106	38844	5.009	ug/L	100
54) o-Xylene	10.10	106	36836	4.991	ug/L	100
55) Styrene	10.11	104	66960	5.205	ug/L	100
56) Isopropylbenzene	10.48	105	97428	4.953	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	25533	5.321	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	19219	5.322	ug/L	100
61) Bromoform	10.29	173	12426	5.128	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	48036	4.727	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	49360	4.710	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	45908	4.777	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	4515	4.920	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	32608	4.371	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	26836	4.287	ug/L	100
69) Naphthalene	14.08	128	47235	4.128	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	25636	4.238	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.701 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

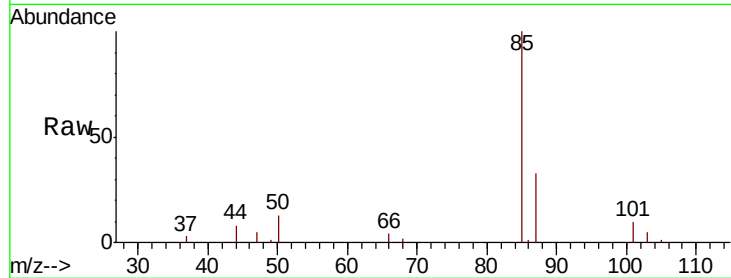
VSTD00503

Tot Ion: 85 Resp: 29241

Ion Ratio Lower Upper

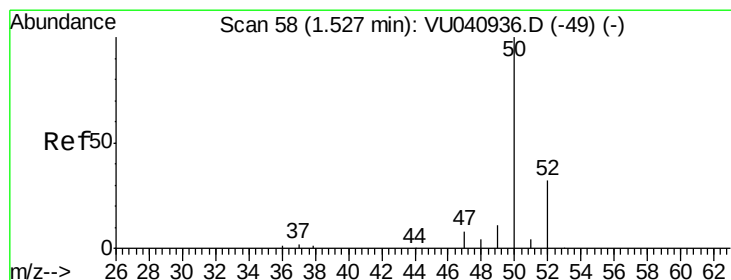
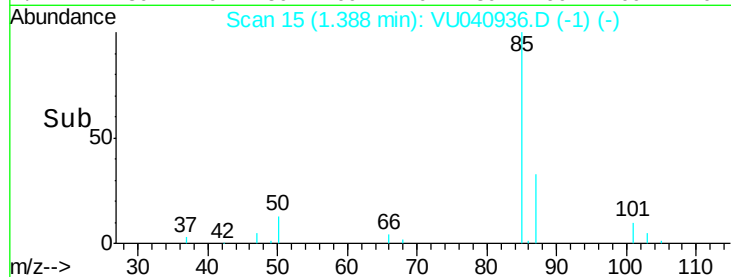
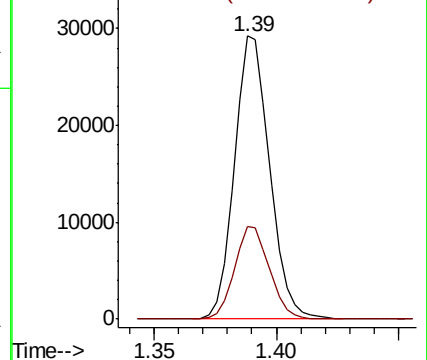
85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.487 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040936.D

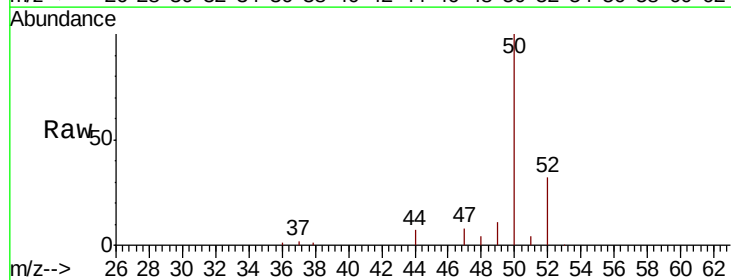
Acq: 26 Oct 2020 11:34

Tgt Ion: 50 Resp: 29918

Ion Ratio Lower Upper

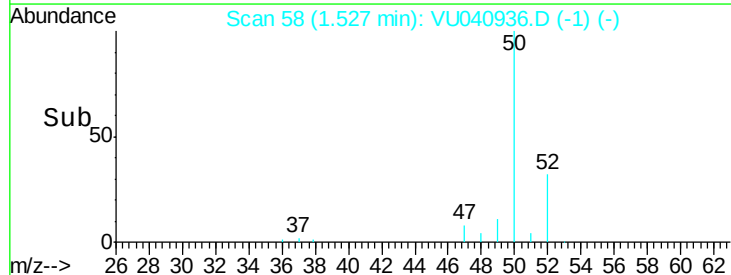
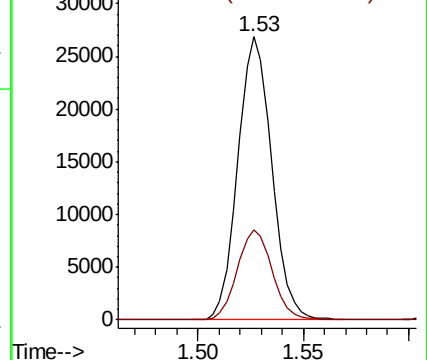
50 100

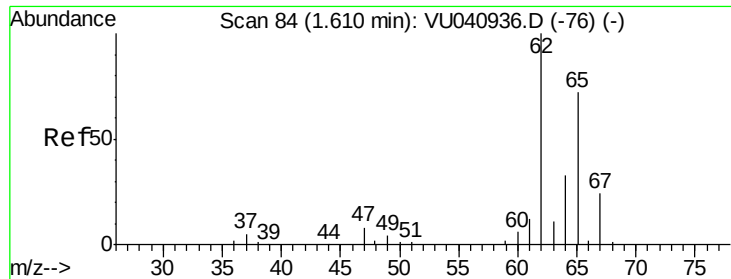
52 32.0 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.685 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

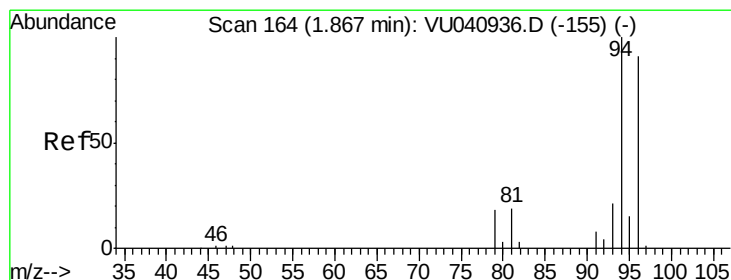
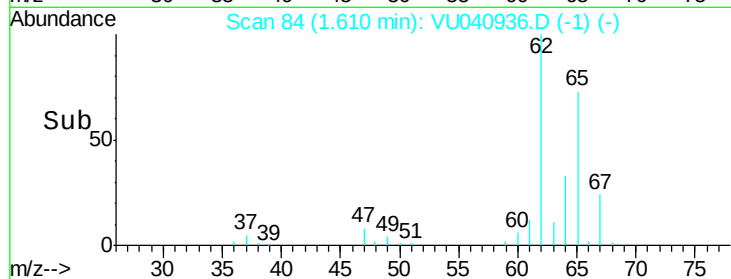
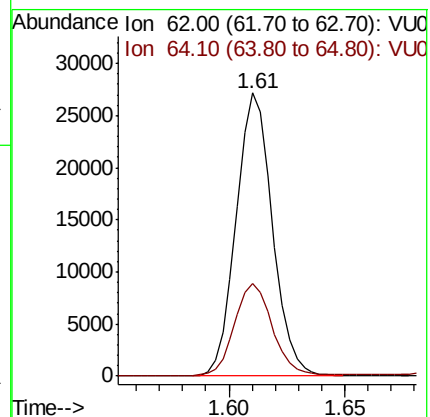
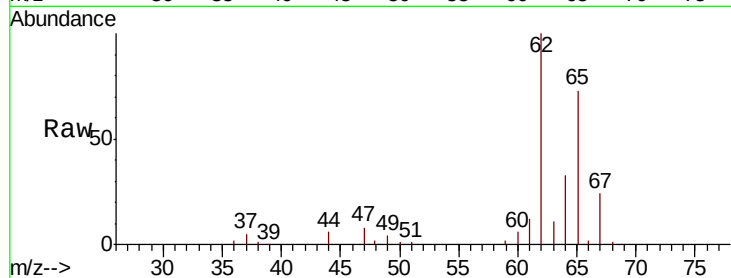
VSTD00503

Tot Ion: 62 Resp: 29404

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



#6

Bromomethane

Concen: 5.304 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040936.D

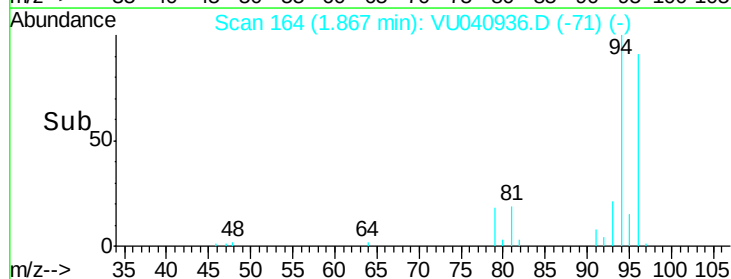
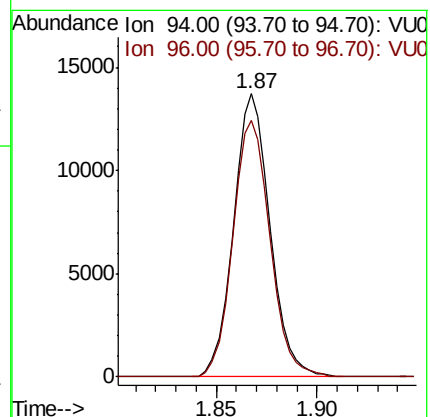
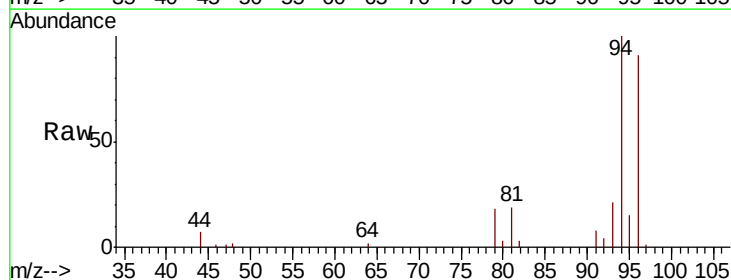
Acq: 26 Oct 2020 11:34

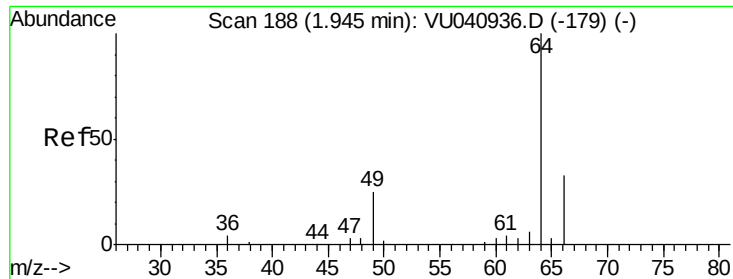
Tgt Ion: 94 Resp: 17341

Ion Ratio Lower Upper

94 100

96 90.7 63.5 117.9

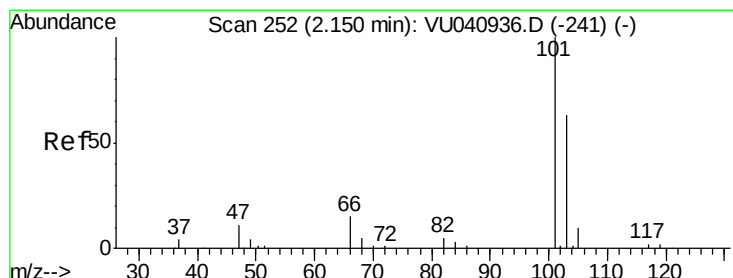
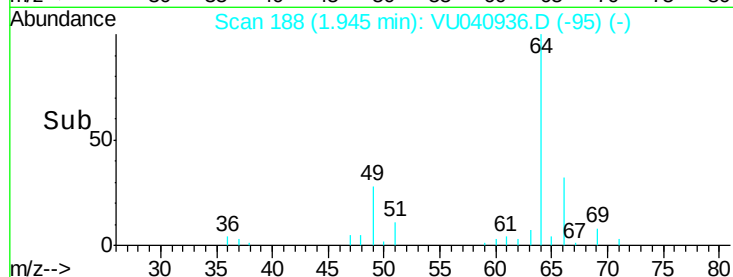
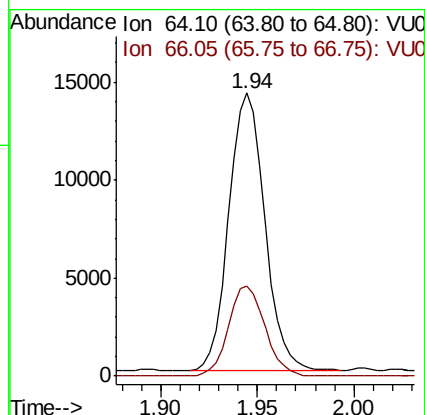
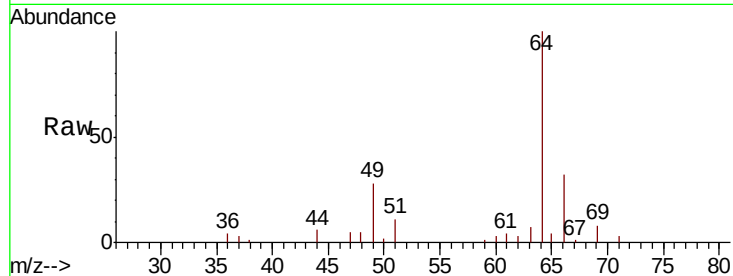




#8
 Chloroethane
 Concen: 4.523 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

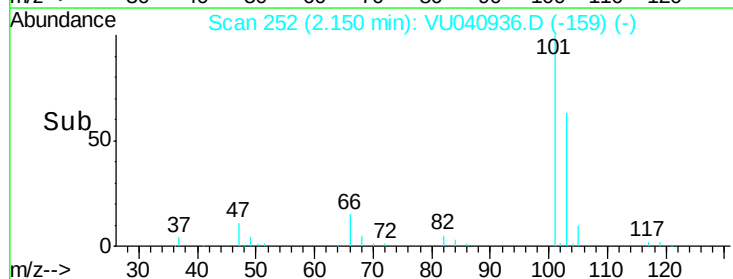
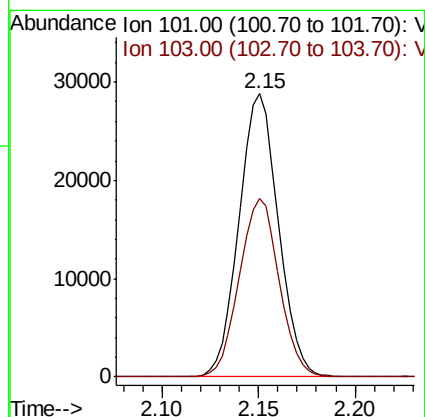
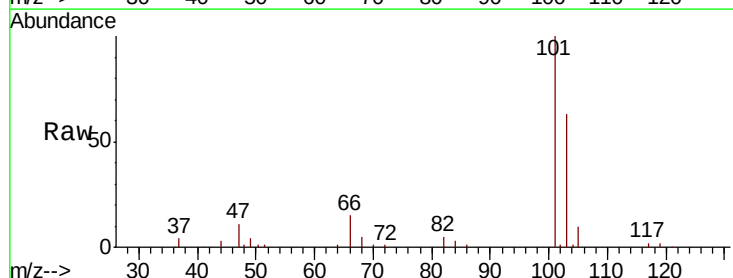
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

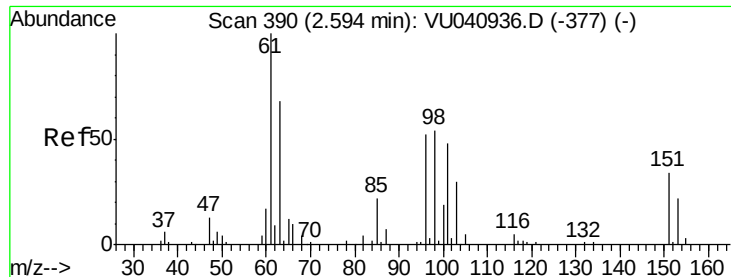
Tot Ion: 64 Resp: 18295
 Ion Ratio Lower Upper
 64 100
 66 31.9 22.3 41.5



#9
 Trichlorofluoromethane
 Concen: 4.884 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

Tgt Ion: 101 Resp: 40710
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.0 76.4





#10

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

Concen: 5.028 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

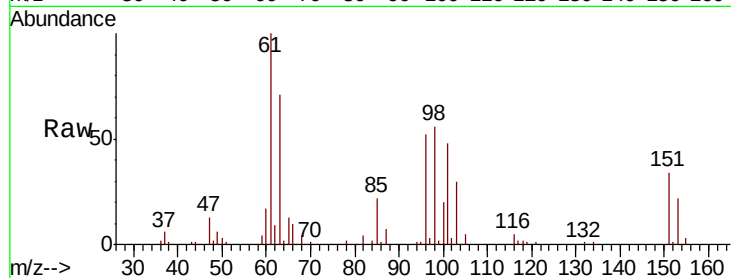
Tot Ion:101 Resp: 24403

Ion Ratio Lower Upper

101 100

85 43.7 35.0 52.4

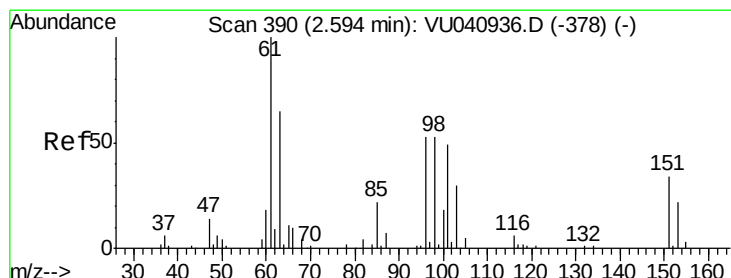
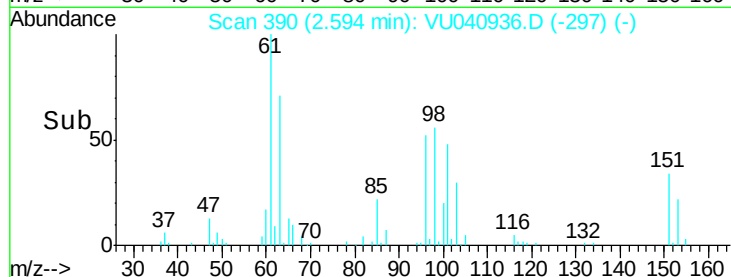
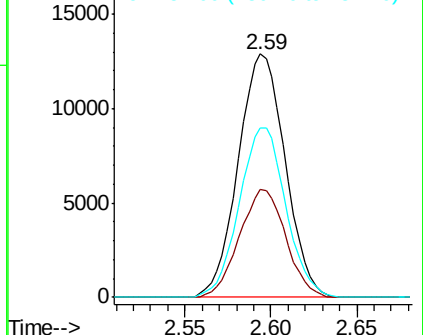
151 69.1 55.3 82.9



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: 4.969 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

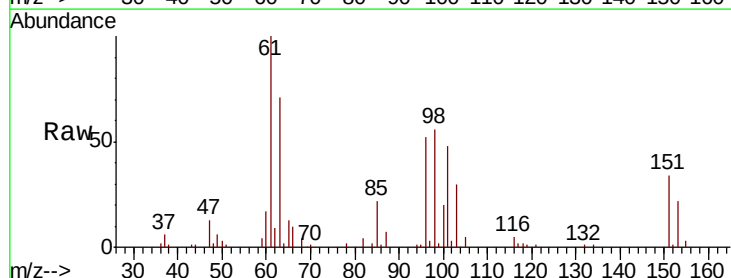
Tgt Ion: 96 Resp: 22527

Ion Ratio Lower Upper

96 100

61 191.9 134.3 249.5

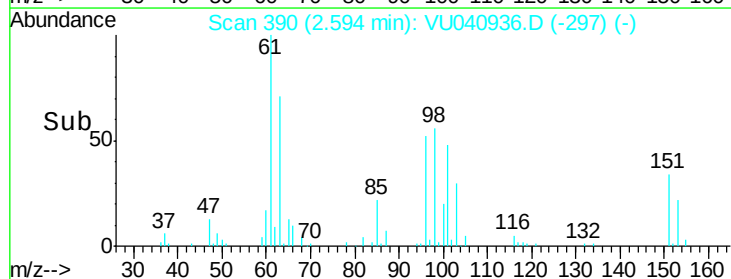
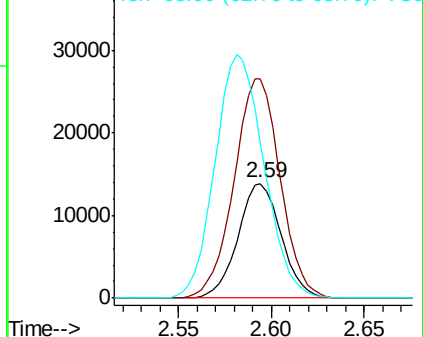
63 135.7 95.0 176.4

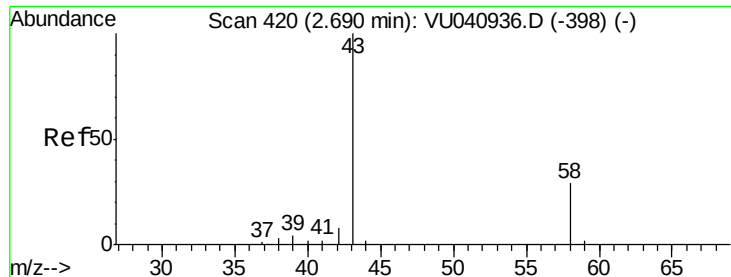


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 17.436 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.01 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

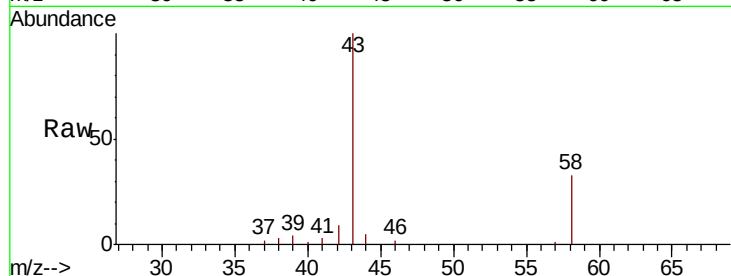
VSTD00503

Tot Ion: 43 Resp: 19389

Ion Ratio Lower Upper

43 100

58 40.2 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU040936.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VU040936.D (-398) (-)

10000

8000

6000

4000

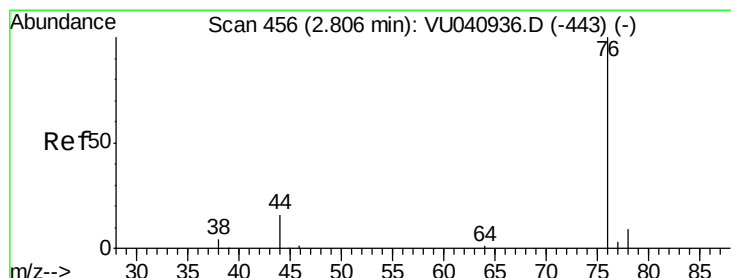
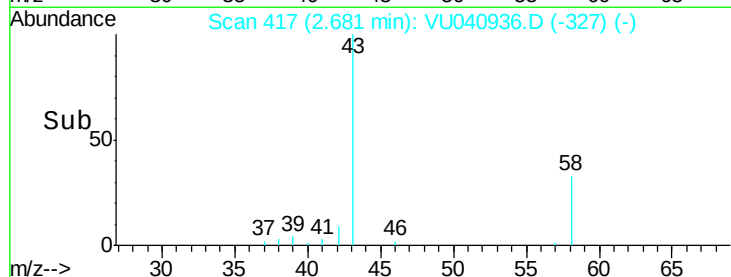
2000

0

Time-->

2.60 2.65 2.70

2.68



#14

Carbon disulfide

Concen: 4.722 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040936.D

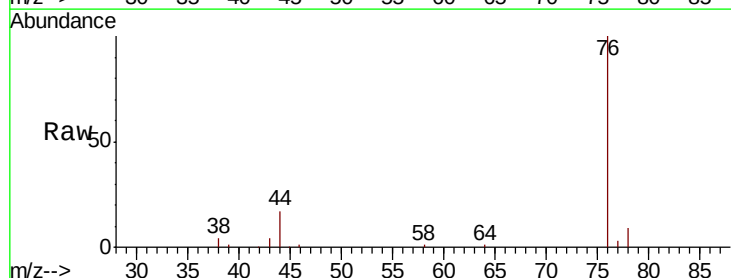
Acq: 26 Oct 2020 11:34

Tgt Ion: 76 Resp: 75398

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU040936.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU040936.D (-443) (-)

50000

40000

30000

20000

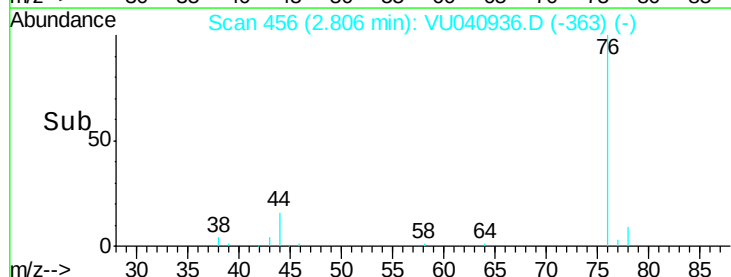
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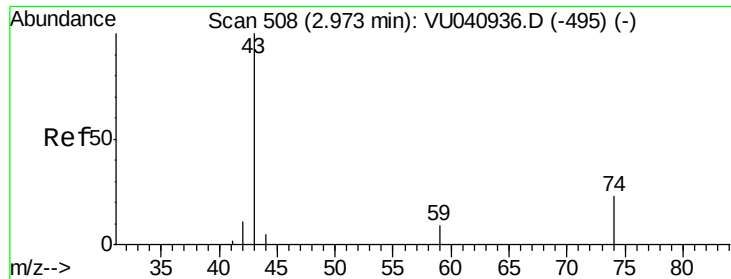
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Time-->

2.75 2.80 2.85 2.90

2.81

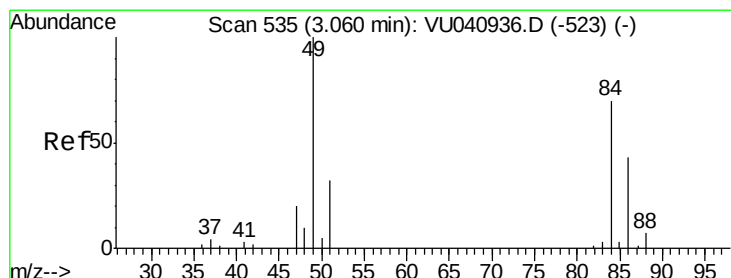
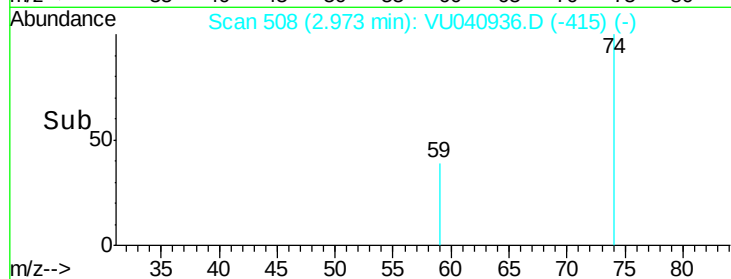
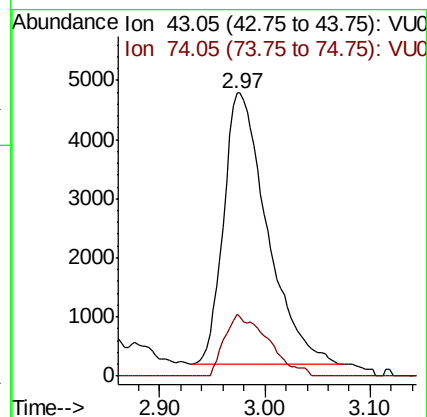
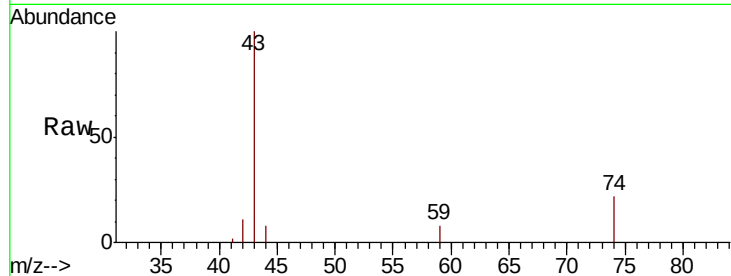




#15
Methvl Acetate
Concen: 4.823 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

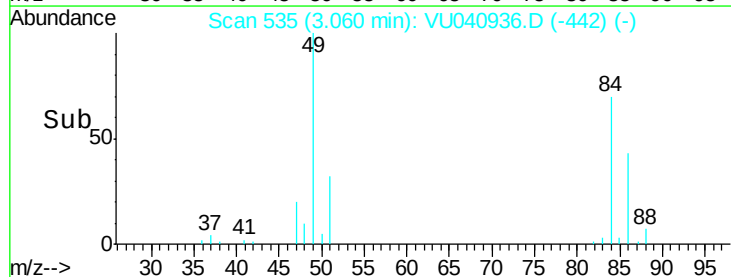
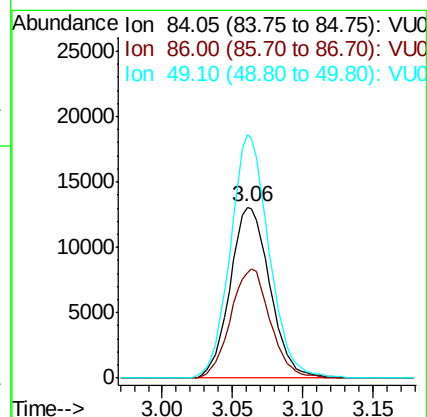
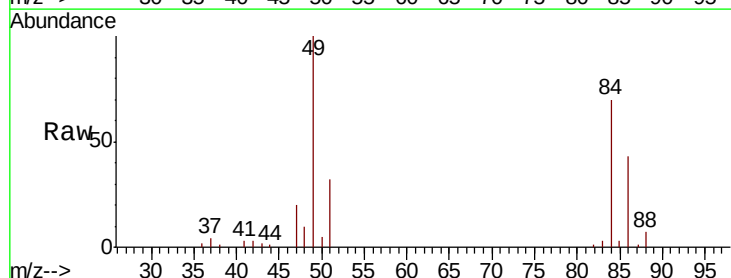
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

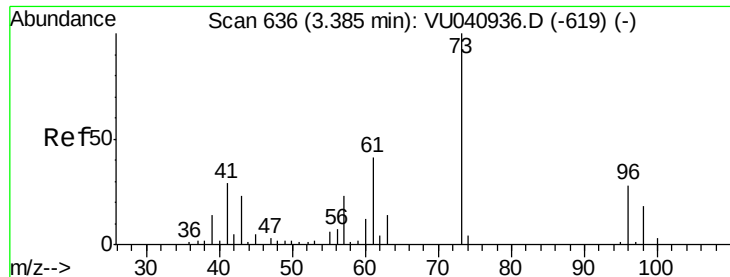
Tot Ion: 43 Resp: 13140
Ion Ratio Lower Upper
43 100
74 22.9 18.3 27.5



#16
Methylene chloride
Concen: 4.625 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

Tgt Ion: 84 Resp: 25804
Ion Ratio Lower Upper
84 100
86 61.2 42.8 79.6
49 142.1 99.5 184.7

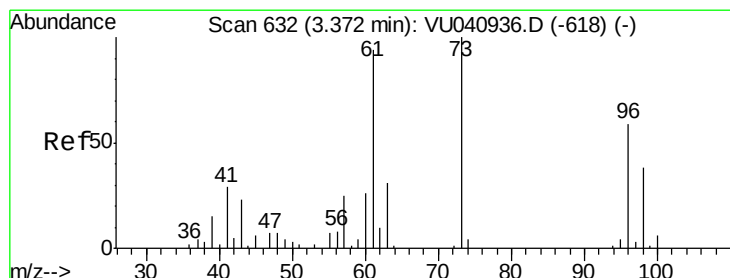
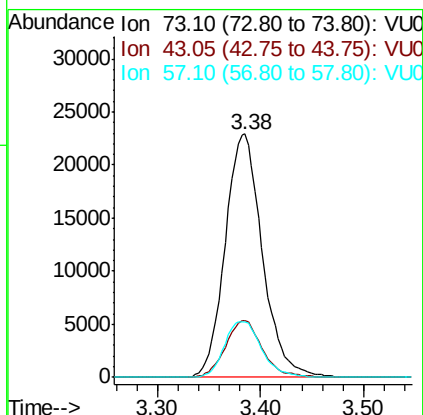
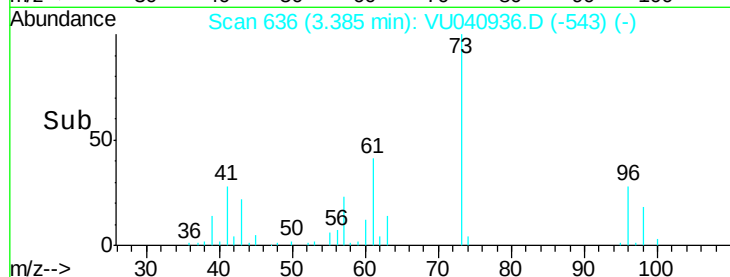
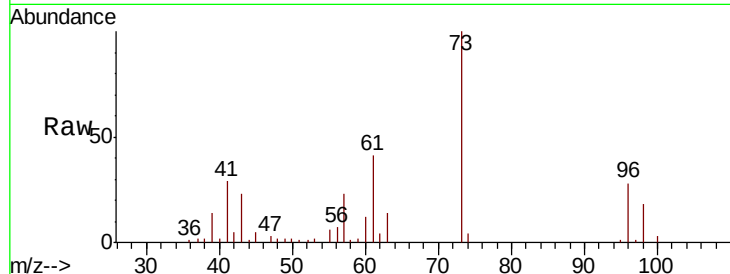




#17
Methyl tert-butyl Ether
Concen: 5.147 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

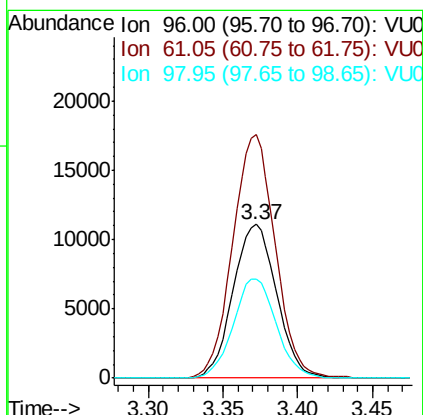
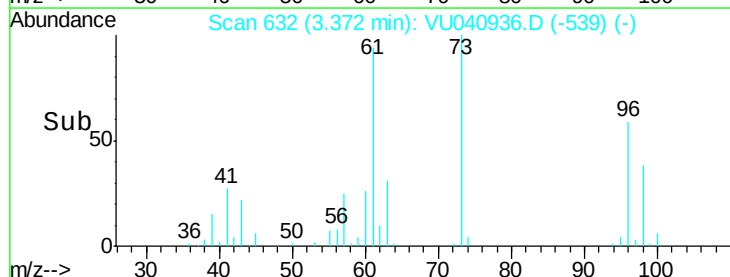
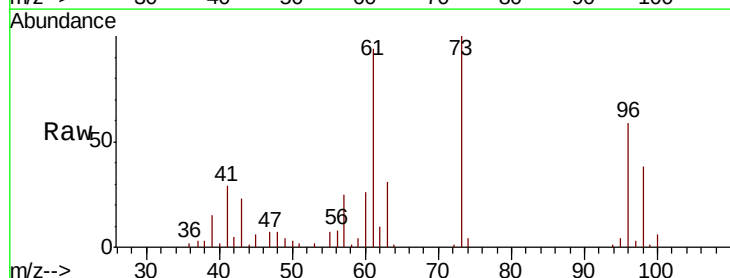
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

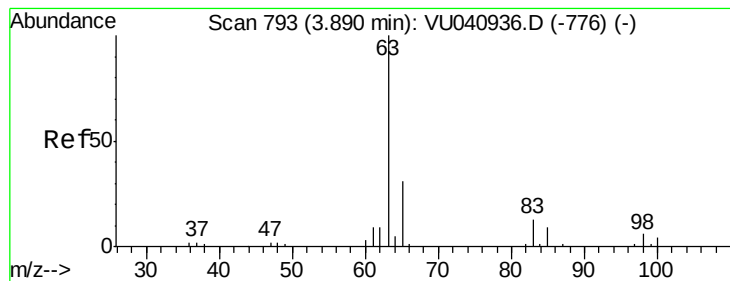
Tot Ion: 73 Resp: 57449
Ion Ratio Lower Upper
73 100
43 23.1 18.5 27.7
57 23.0 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.795 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

Tgt Ion: 96 Resp: 22428
Ion Ratio Lower Upper
96 100
61 158.4 110.9 205.9
98 64.8 45.4 84.2





#19

1,1-Dichloroethane

Concen: 4.872 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

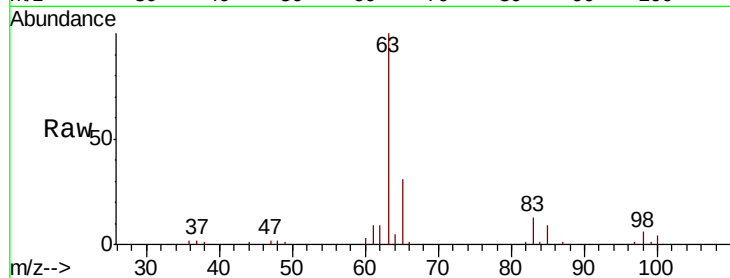
Tot Ion: 63 Resp: 45856

Ion Ratio Lower Upper

63 100

65 30.5 21.3 39.6

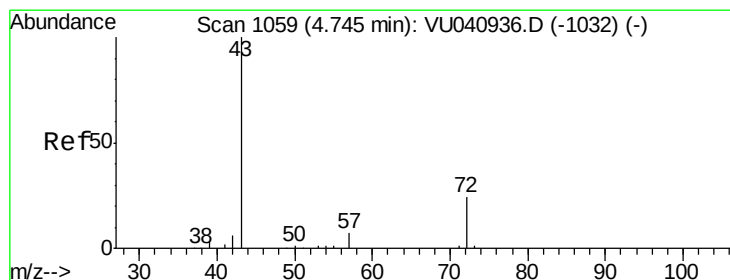
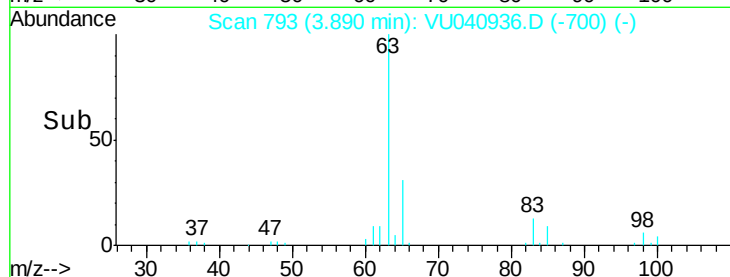
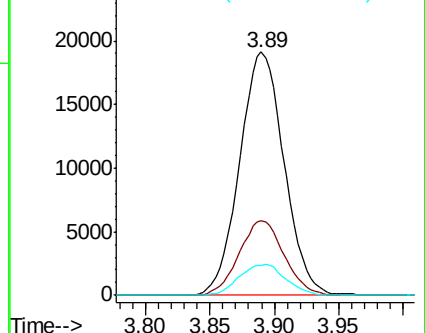
83 12.5 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU040936.D (-776) (-)

Ion 65.10 (64.80 to 65.80): VU040936.D (-776) (-)

Ion 83.05 (82.75 to 83.75): VU040936.D (-776) (-)



#21

2-Butanone

Concen: 57.649 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU040936.D

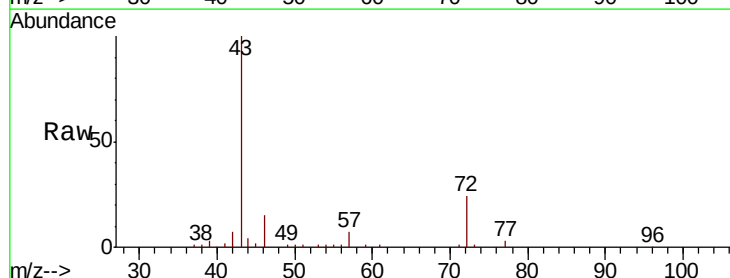
Acq: 26 Oct 2020 11:34

Tgt Ion: 43 Resp: 96079

Ion Ratio Lower Upper

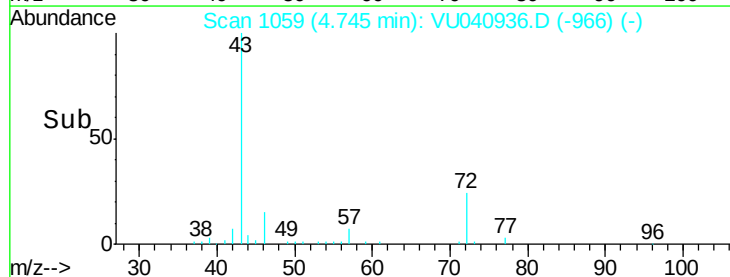
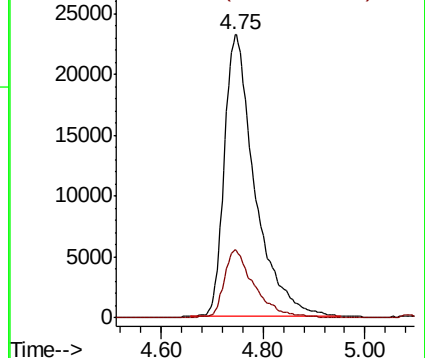
43 100

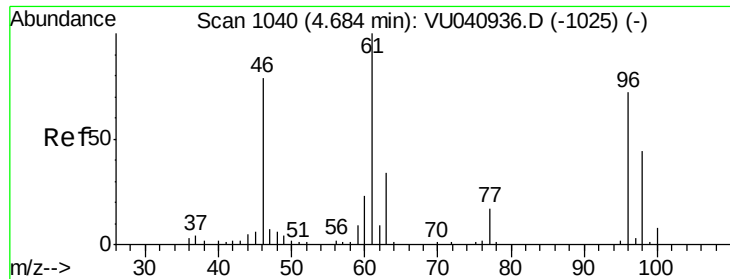
72 23.6 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU040936.D (-1032) (-)

Ion 72.10 (71.80 to 72.80): VU040936.D (-1032) (-)

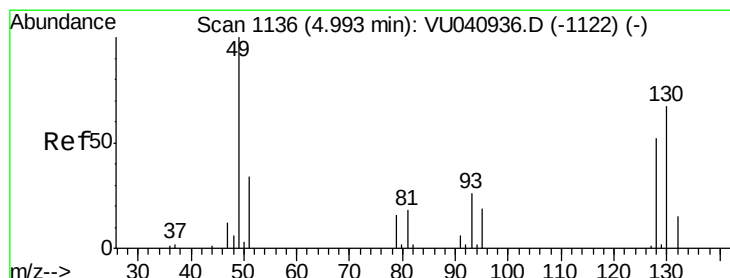
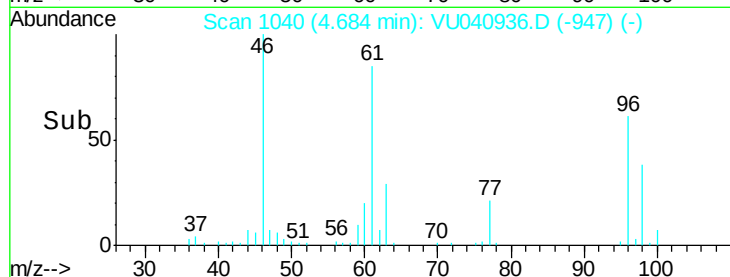
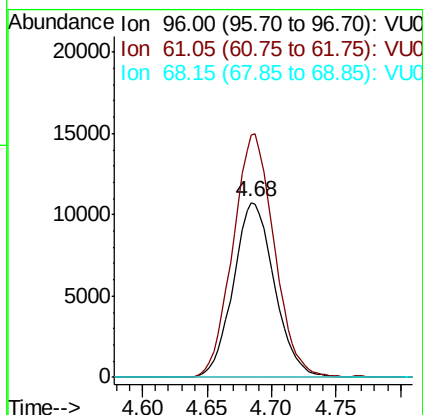
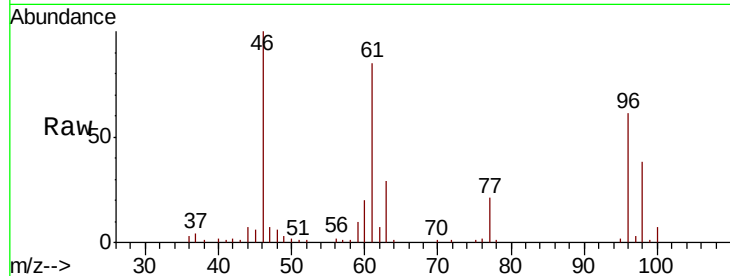




#22
 cis-1,2-Dichloroethene
 Concen: 4.663 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

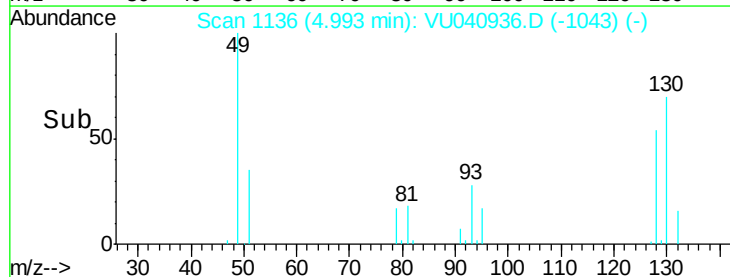
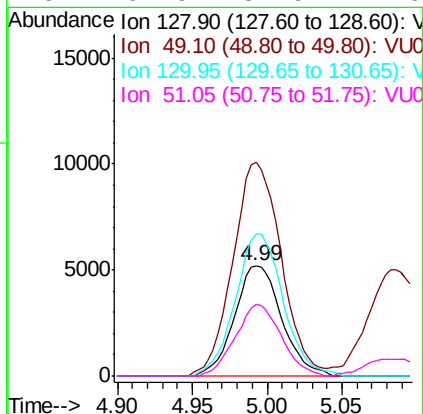
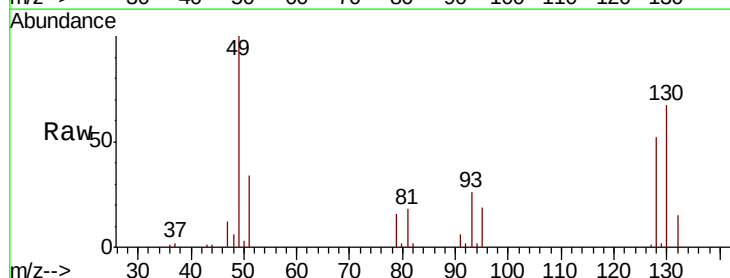
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

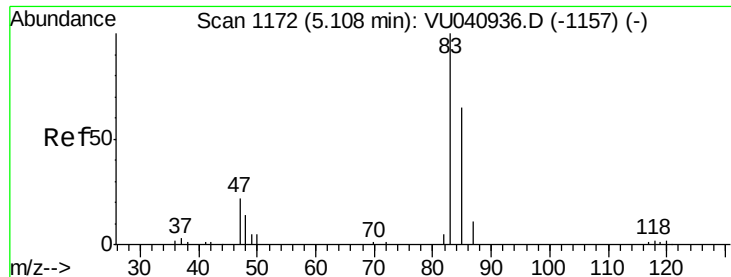
Tot Ion: 96 Resp: 23834
 Ion Ratio Lower Upper
 96 100
 61 138.8 97.2 180.4
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.965 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

Tgt Ion: 128 Resp: 11432
 Ion Ratio Lower Upper
 128 100
 49 192.9 135.0 250.8
 130 128.5 89.9 167.0
 51 64.9 51.9 77.9

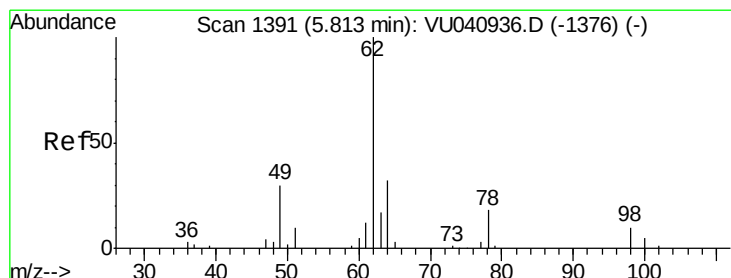
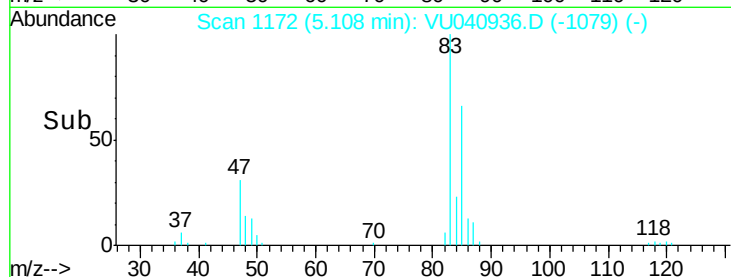
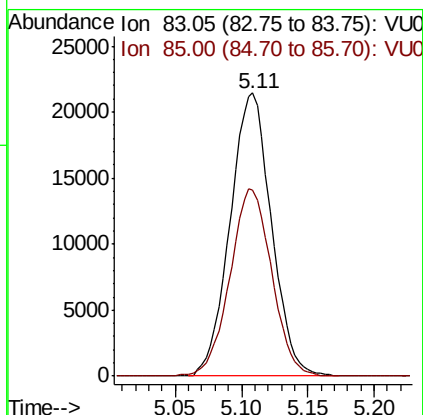
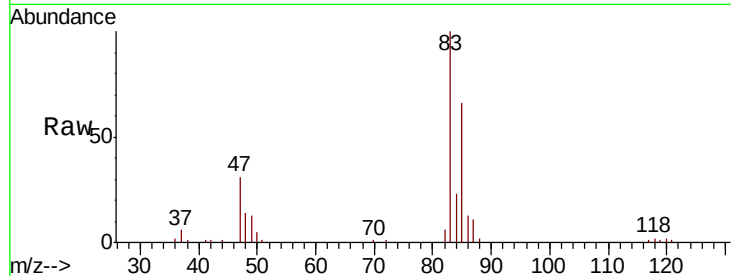




#25
Chloroform
Concen: 4.836 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

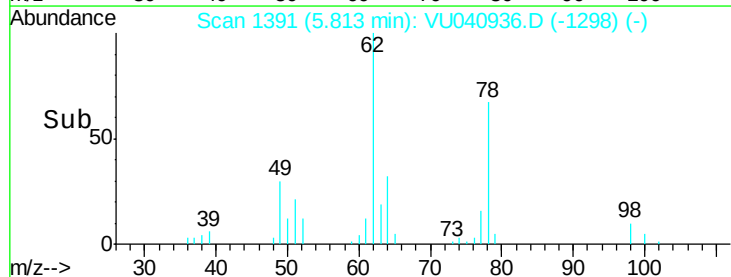
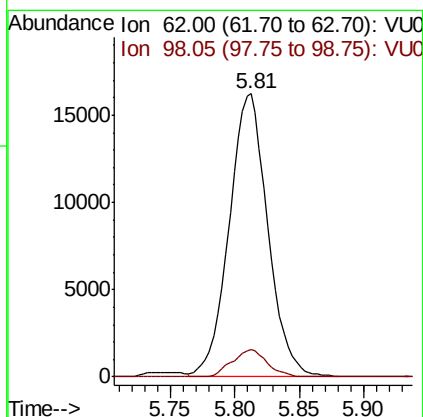
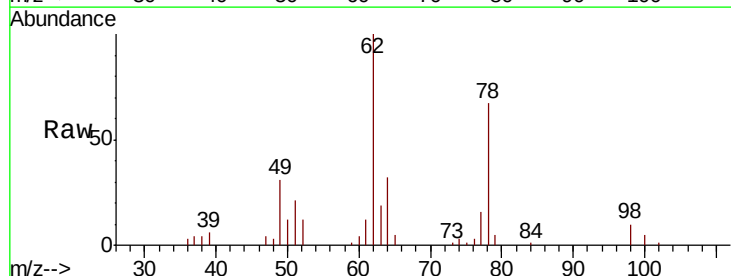
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

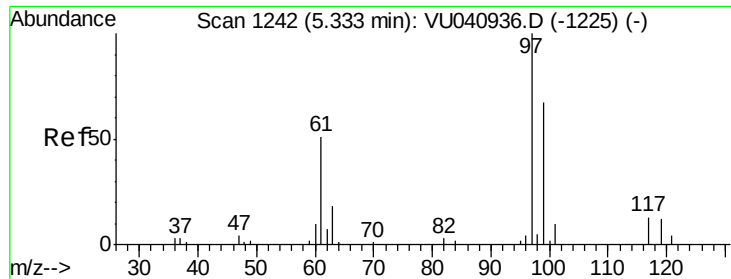
Tot Ion: 83 Resp: 46413
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.095 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

Tgt Ion: 62 Resp: 33781
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4

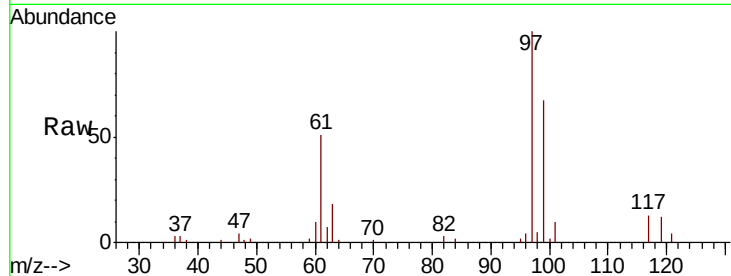




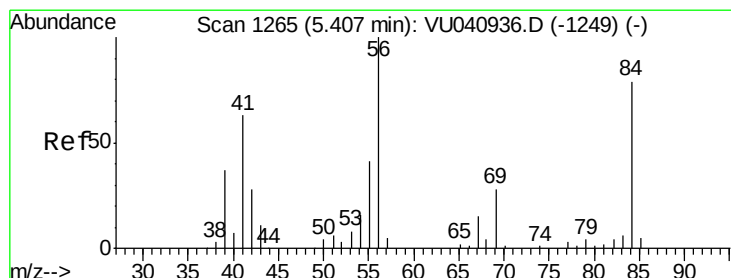
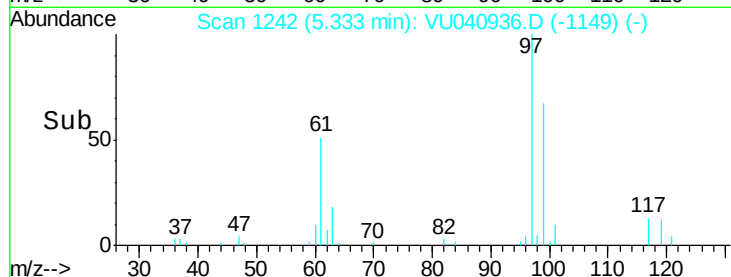
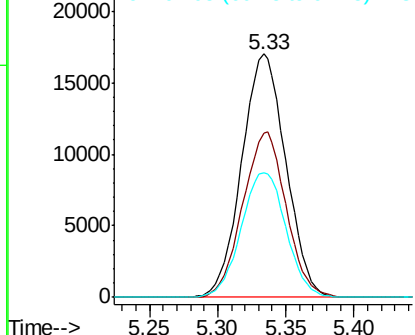
#29
 1,1,1-Trichloroethane
 Concen: 4.744 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tot Ion: 97 Resp: 38148
 Ion Ratio Lower Upper
 97 100
 99 66.7 53.4 80.0
 61 52.0 41.6 62.4

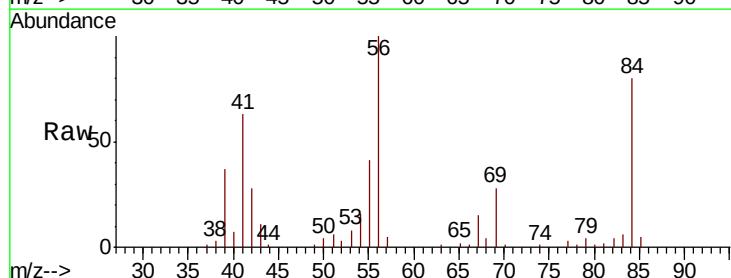


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

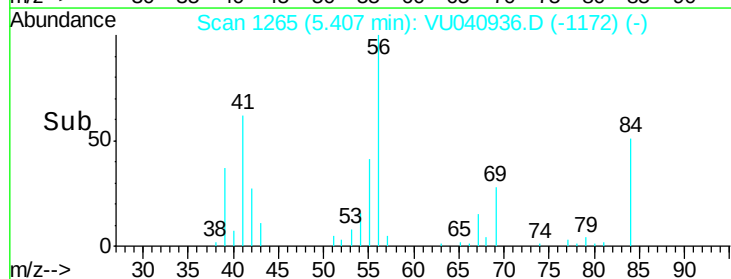
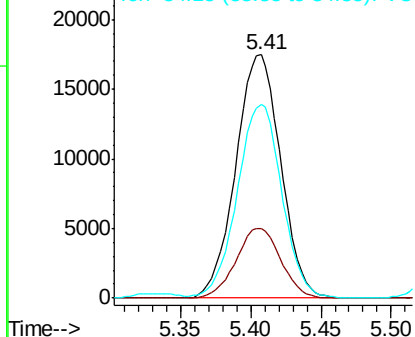


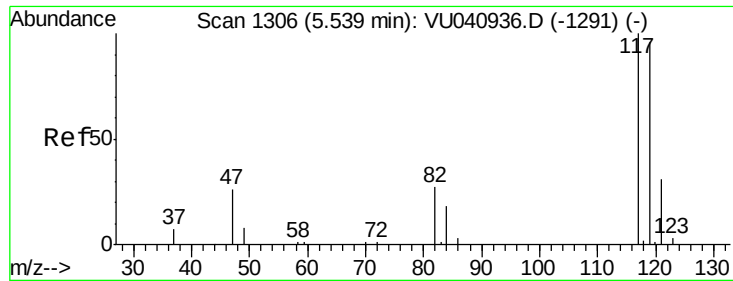
#30
 Cyclohexane
 Concen: 4.830 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

Tgt Ion: 56 Resp: 38879
 Ion Ratio Lower Upper
 56 100
 69 28.5 22.8 34.2
 84 79.5 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

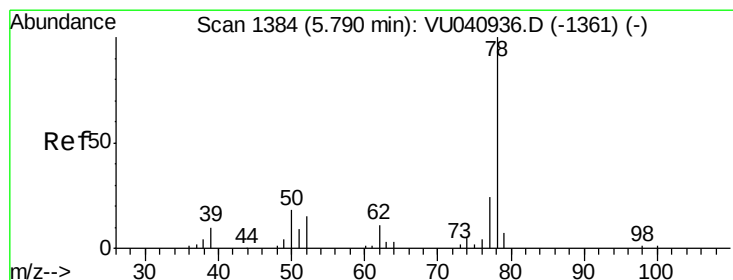
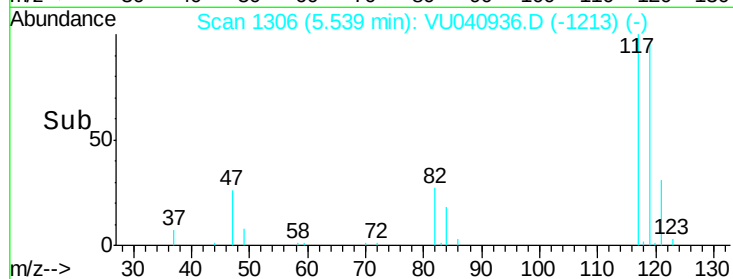
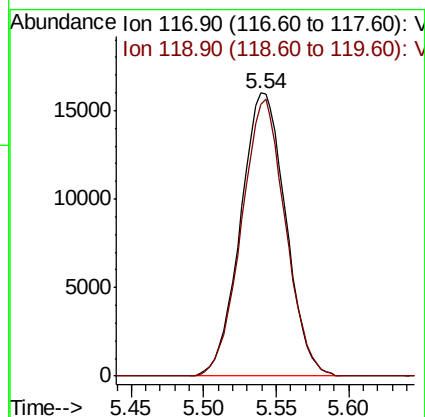
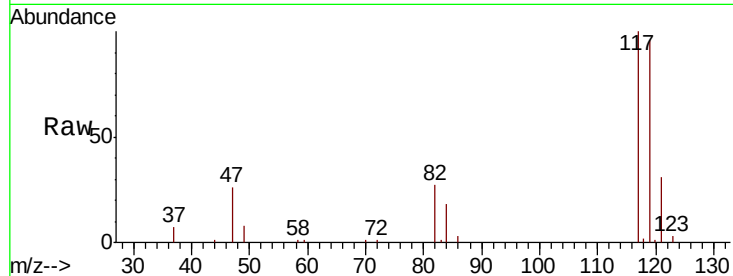




#31
Carbon tetrachloride
Concen: 4.857 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

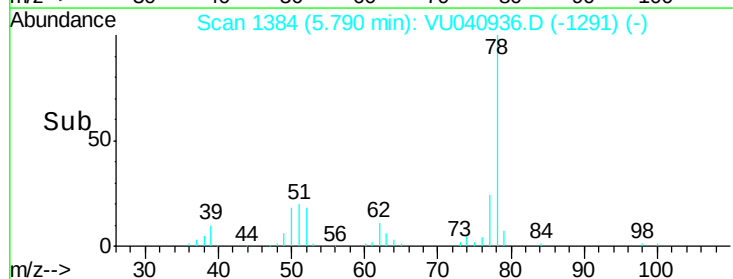
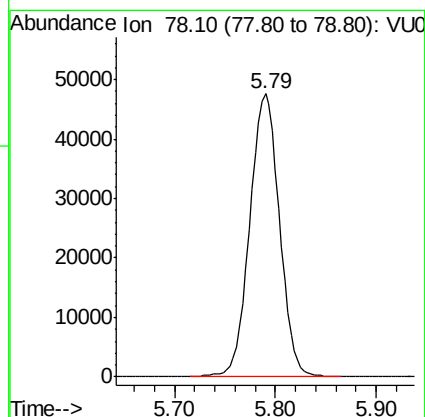
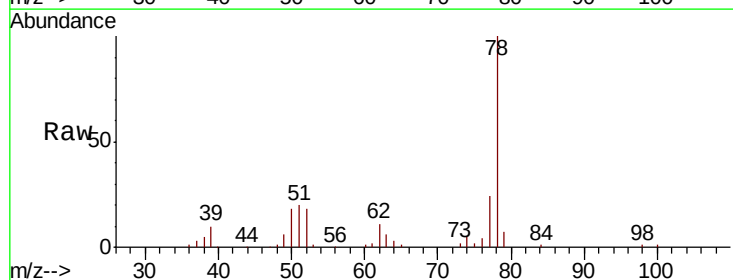
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

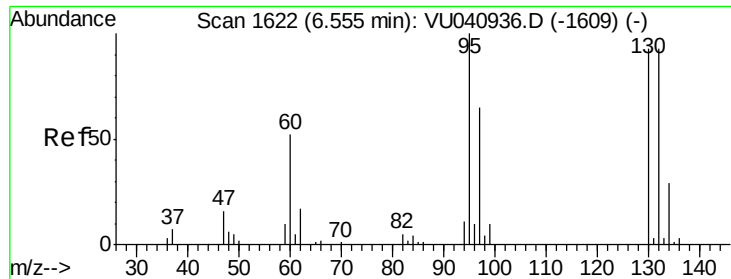
Tot Ion:117 Resp: 34661
Ion Ratio Lower Upper
117 100
119 95.1 76.1 114.1



#33
Benzene
Concen: 4.863 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

Tgt Ion: 78 Resp: 97016





#34

Trichloroethene

Concen: 4.731 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

Tot Ion: 95 Resp: 24173

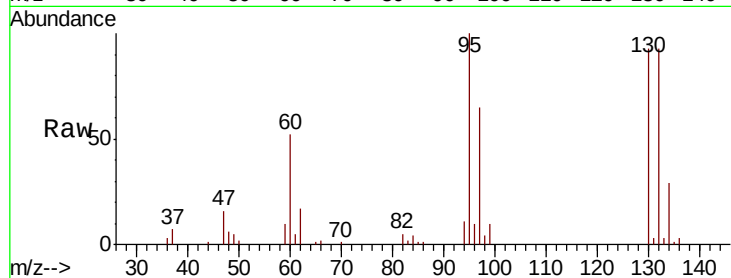
Ion Ratio Lower Upper

95 100

97 65.1 45.6 84.6

132 92.6 64.8 120.4

130 92.6 64.8 120.4

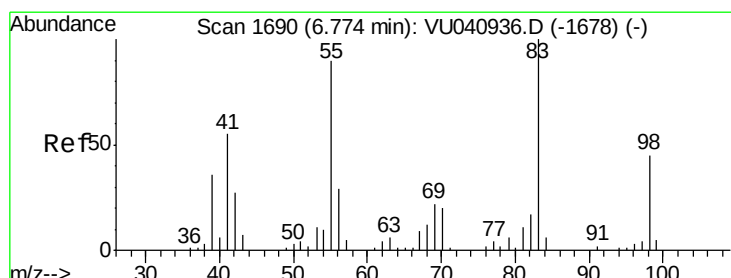
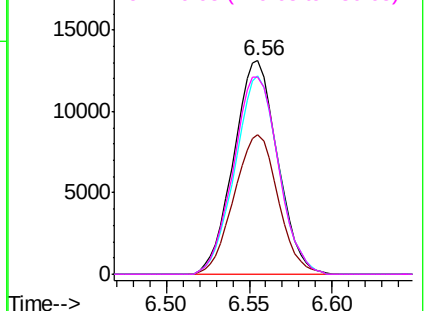
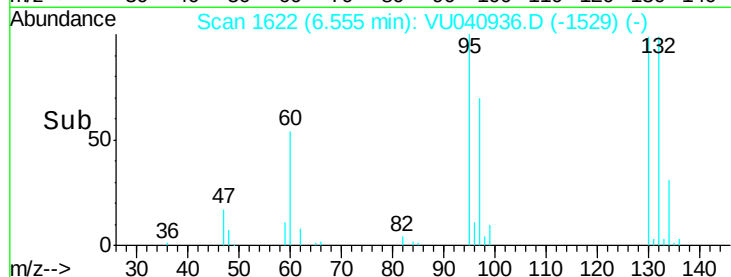


Abundance Ion 95.00 (94.70 to 95.70): VU040936.D (-1609) (-)

Ion 96.95 (96.65 to 97.65): VU040936.D (-1609) (-)

Ion 131.95 (131.65 to 132.65): VU040936.D (-1609) (-)

Ion 129.95 (129.65 to 130.65): VU040936.D (-1609) (-)



#35

Methylcyclohexane

Concen: 4.856 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

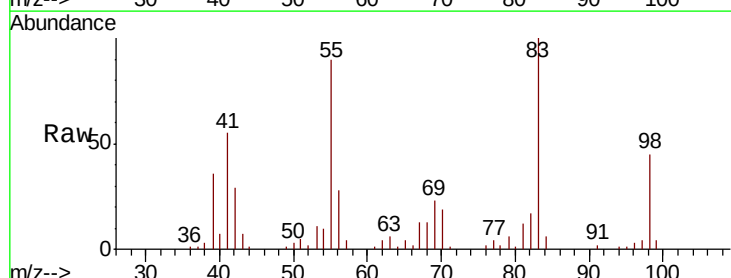
Tgt Ion: 83 Resp: 36931

Ion Ratio Lower Upper

83 100

55 90.0 72.0 108.0

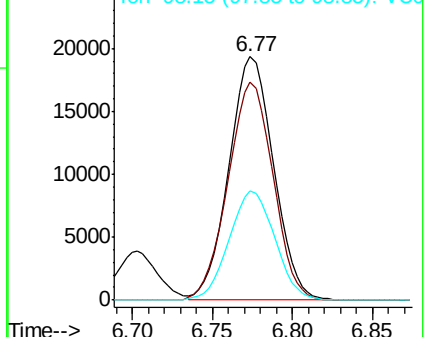
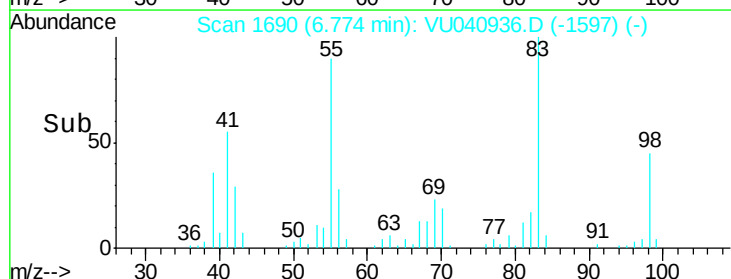
98 45.8 36.6 55.0

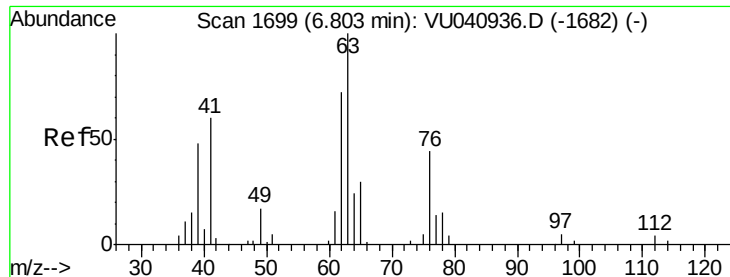


Abundance Ion 83.15 (82.85 to 83.85): VU040936.D (-1678) (-)

Ion 55.10 (54.80 to 55.80): VU040936.D (-1678) (-)

Ion 98.15 (97.85 to 98.85): VU040936.D (-1678) (-)

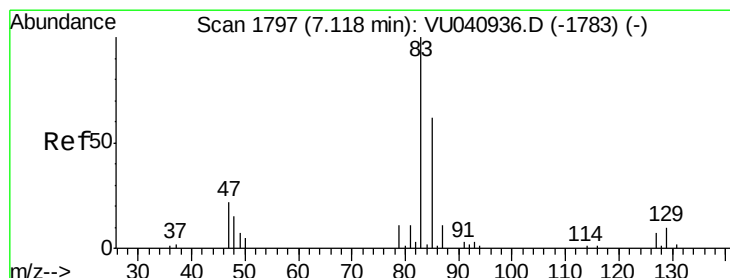
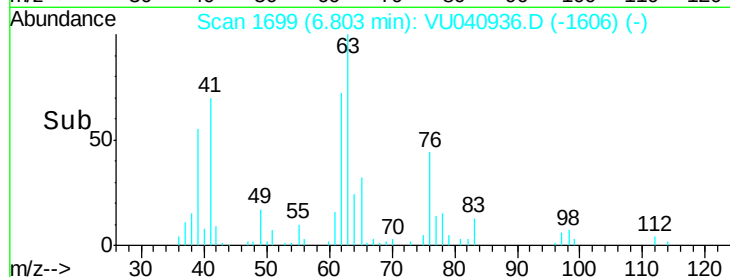
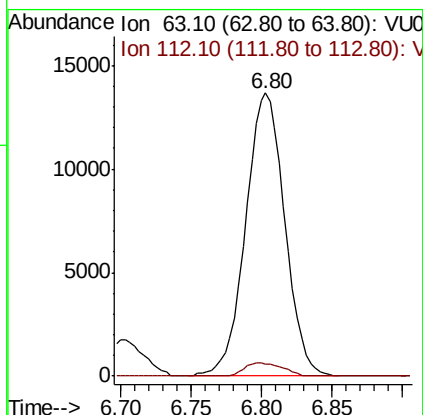
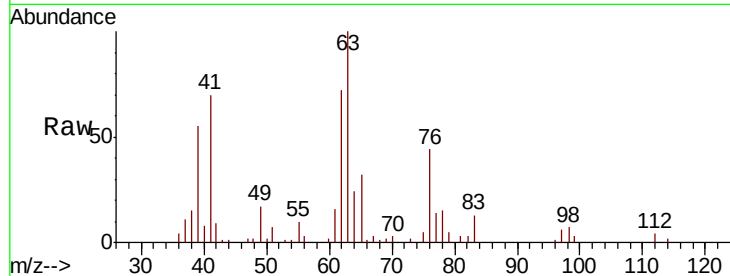




#37
 1,2-Dichloropropane
 Concen: 4.908 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

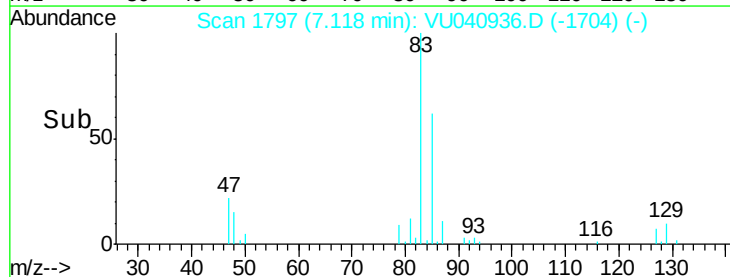
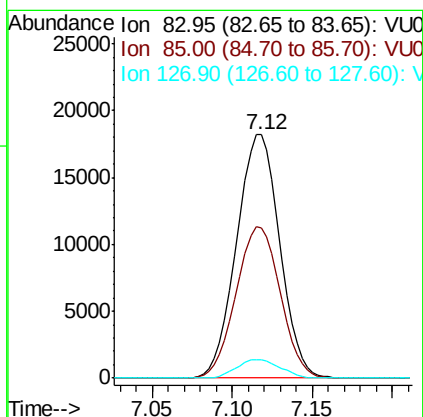
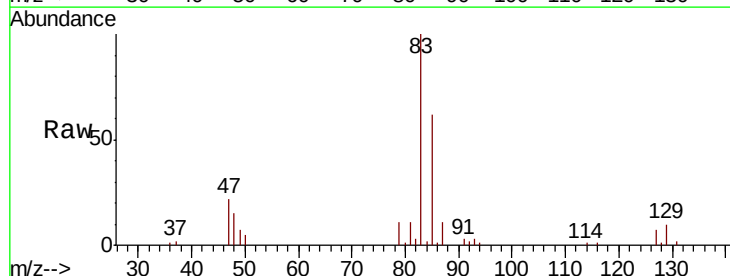
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

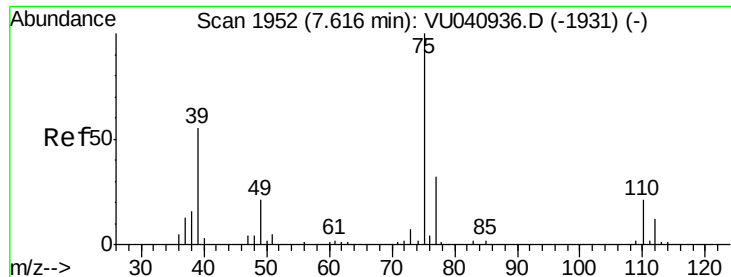
Tot Ion: 63 Resp: 26517
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.863 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

Tgt Ion: 83 Resp: 33572
 Ion Ratio Lower Upper
 83 100
 85 61.8 43.3 80.3
 127 7.4 5.9 8.9

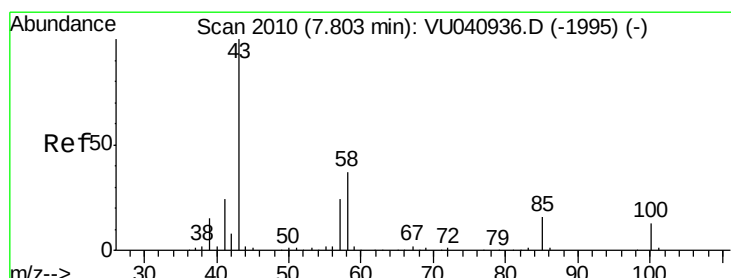
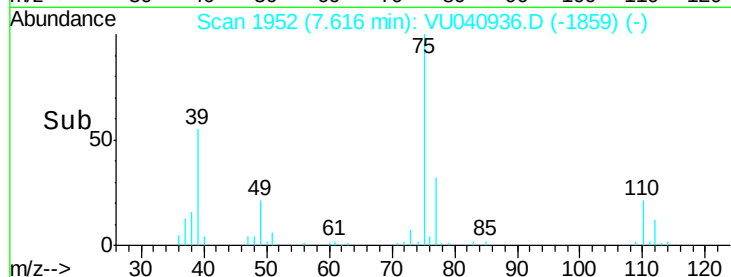
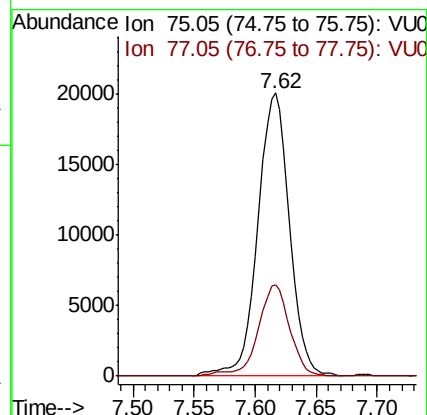
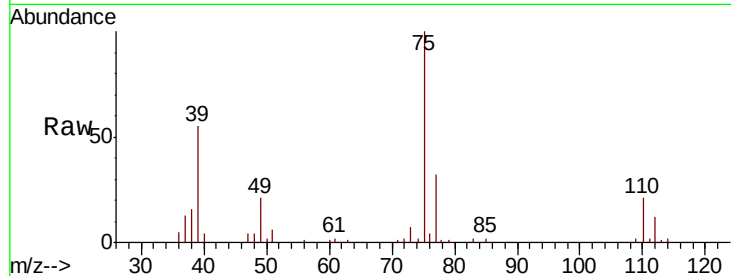




#39
 cis-1,3-Dichloropropene
 Concen: 4.953 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

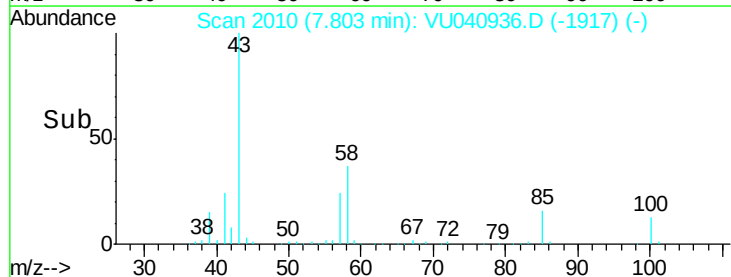
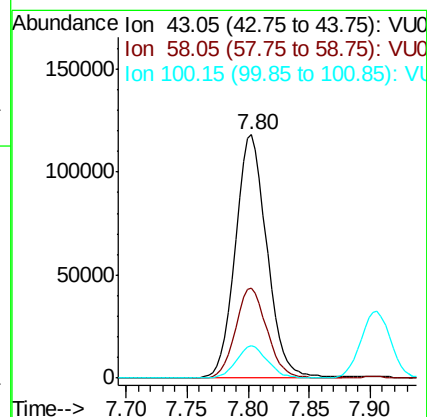
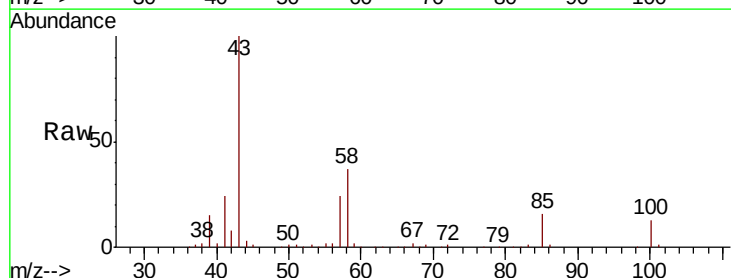
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

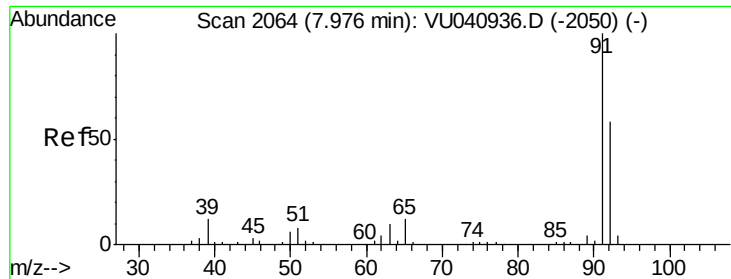
Tot Ion: 75 Resp: 35956
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 56.637 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

Tgt Ion: 43 Resp: 212599
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.8 44.6
 100 13.1 10.5 15.7





#42

Toluene

Concen: 5.074 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

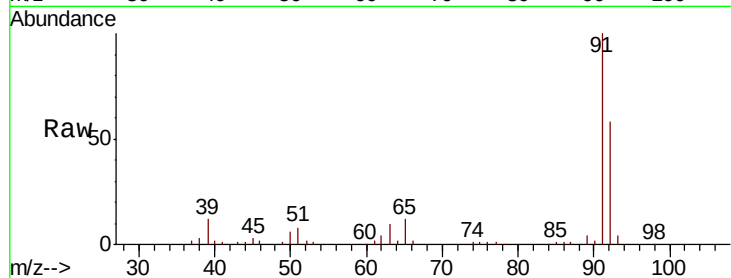
VSTD00503

Tot Ion: 91 Resp: 102070

Ion Ratio Lower Upper

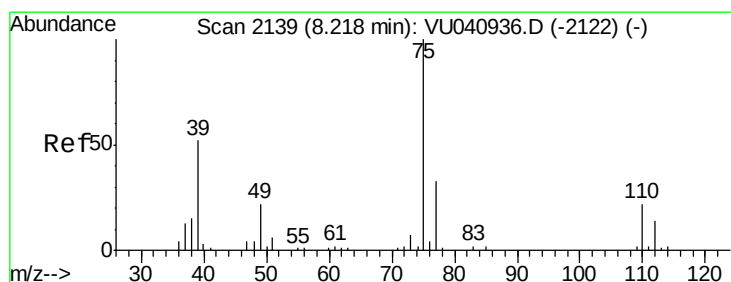
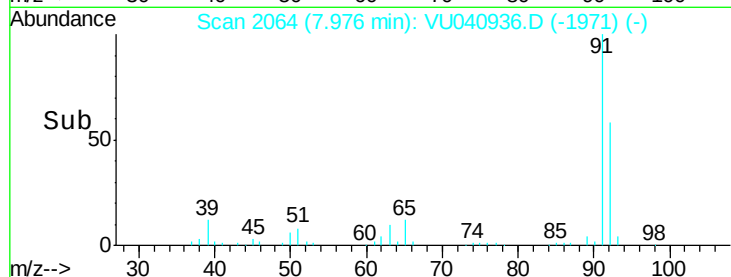
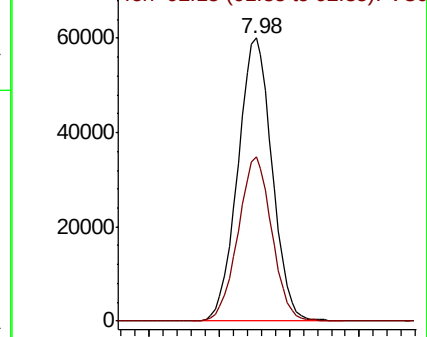
91 100

92 58.0 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: 5.152 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040936.D

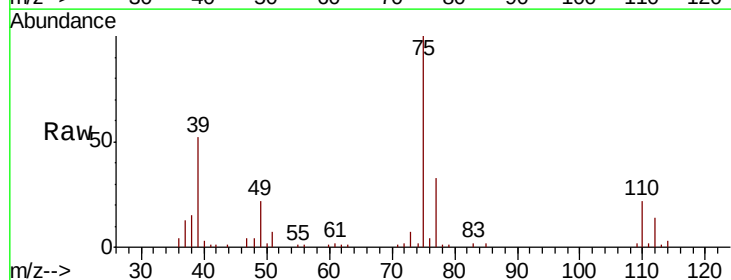
Acq: 26 Oct 2020 11:34

Tgt Ion: 75 Resp: 34096

Ion Ratio Lower Upper

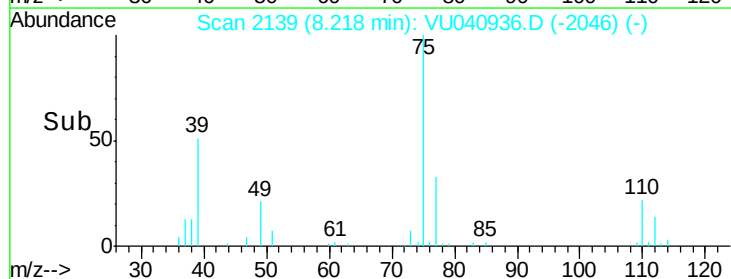
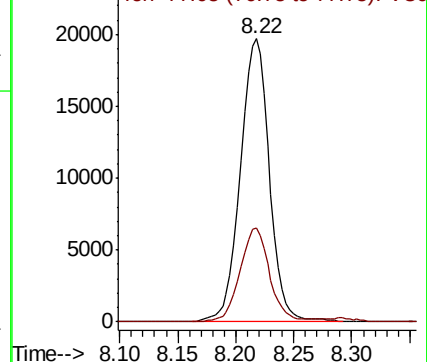
75 100

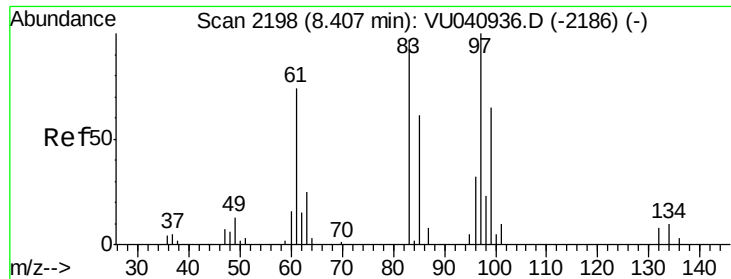
77 33.3 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

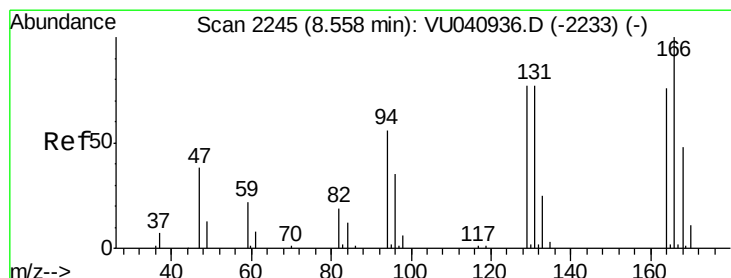
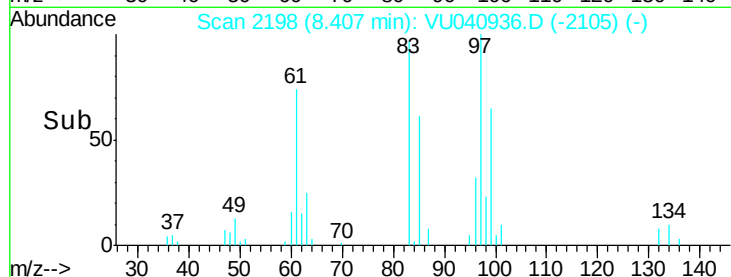
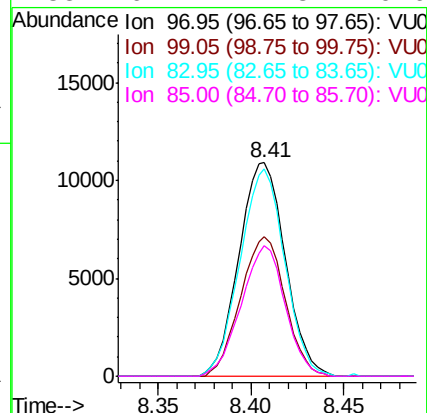
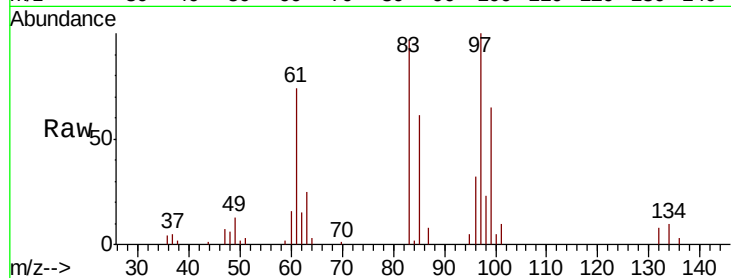




#45
 1,1,2-Trichloroethane
 Concen: 5.106 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

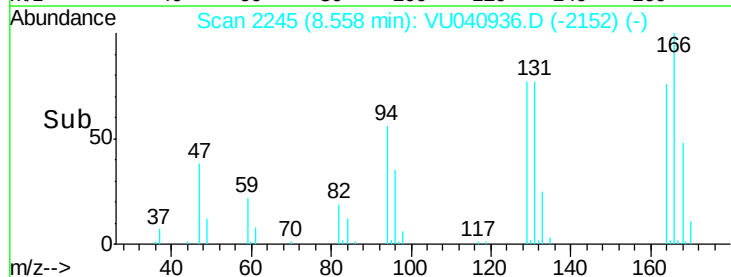
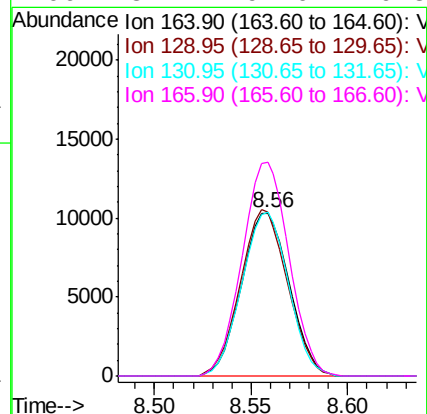
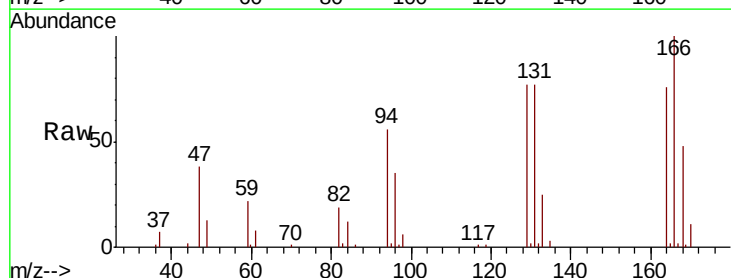
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

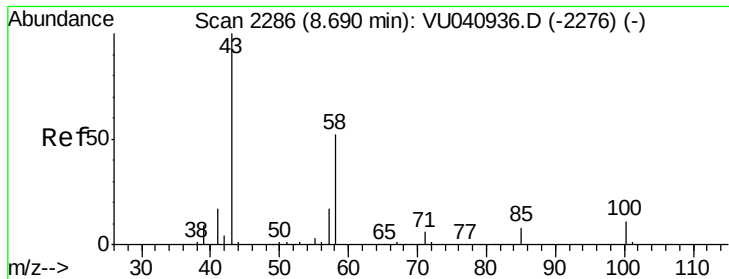
Tot Ion: 97 Resp: 19000
 Ion Ratio Lower Upper
 97 100
 99 65.5 45.8 85.2
 83 97.0 67.9 126.1
 85 61.2 42.8 79.6



#47
 Tetrachloroethene
 Concen: 4.695 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

Tgt Ion: 164 Resp: 17776
 Ion Ratio Lower Upper
 164 100
 129 100.5 70.3 130.7
 131 101.1 70.8 131.4
 166 131.4 92.0 170.8

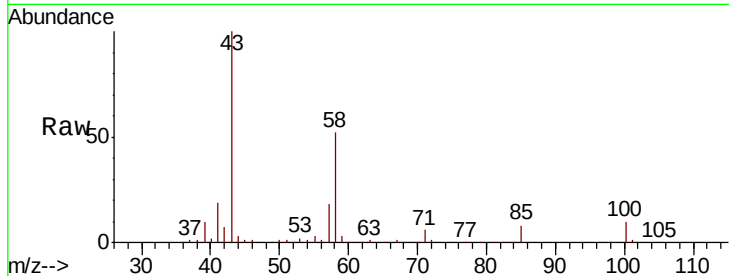




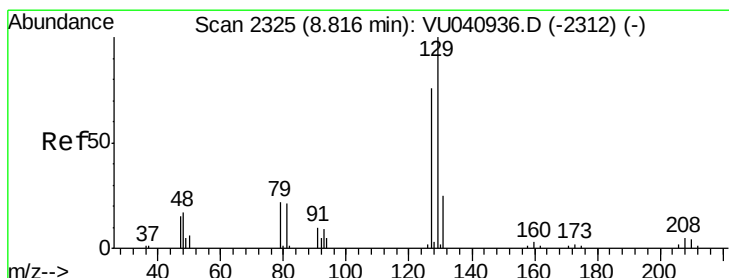
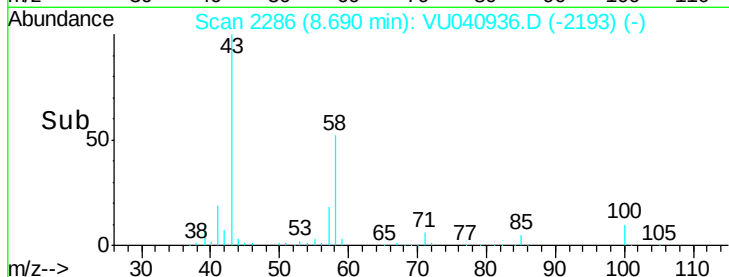
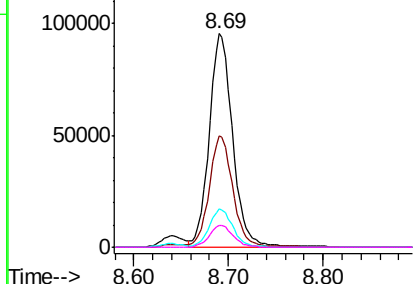
#48
2-Hexanone
Concen: 59.532 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tot Ion: 43 Resp: 164170
Ion Ratio Lower Upper
43 100
58 51.8 41.4 62.2
57 18.2 14.6 21.8
100 10.4 8.3 12.5

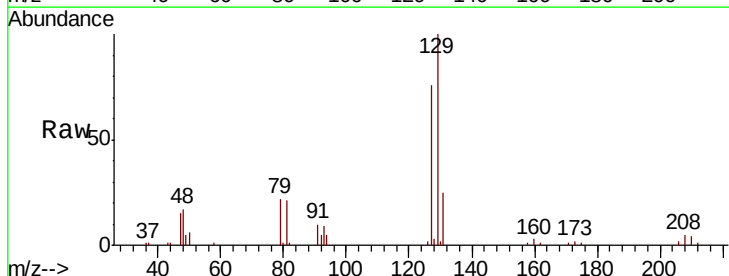


Abundance Ion 43.05 (42.75 to 43.75): VU040936.D (-2276) (-)
Ion 58.05 (57.75 to 58.75): VU040936.D (-2276) (-)
Ion 57.20 (56.90 to 57.90): VU040936.D (-2276) (-)
Ion 100.15 (99.85 to 100.85): VU040936.D (-2276) (-)

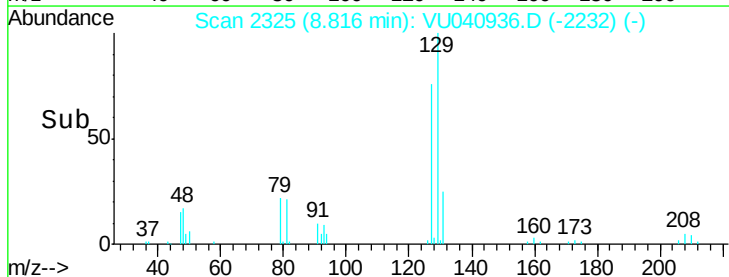
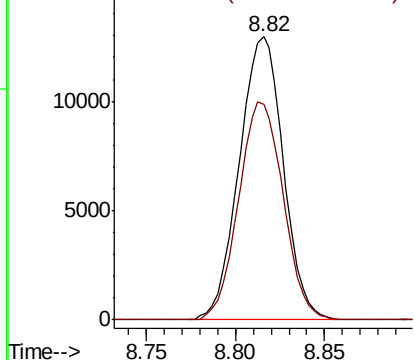


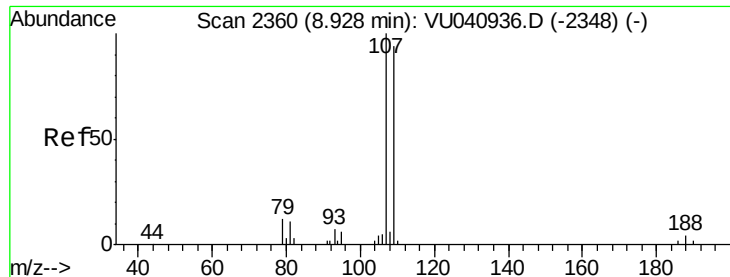
#49
Dibromochloromethane
Concen: 5.051 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

Tgt Ion: 129 Resp: 22397
Ion Ratio Lower Upper
129 100
127 76.3 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): VU040936.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU040936.D (-2312) (-)

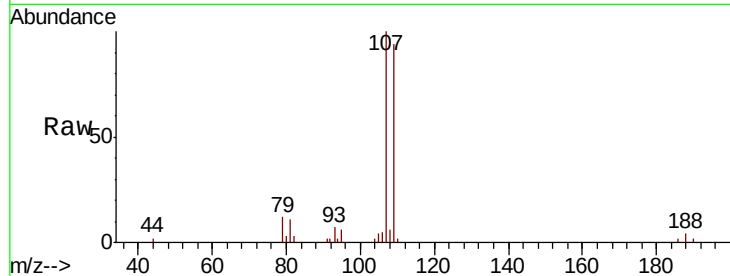




#50
1,2-Dibromoethane
Concen: 5.202 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	65.6	121.8
188	3.6	2.9	4.3

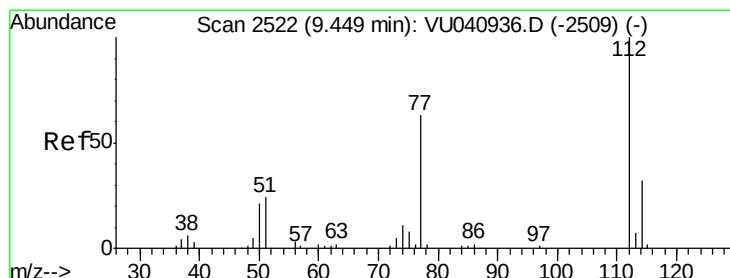
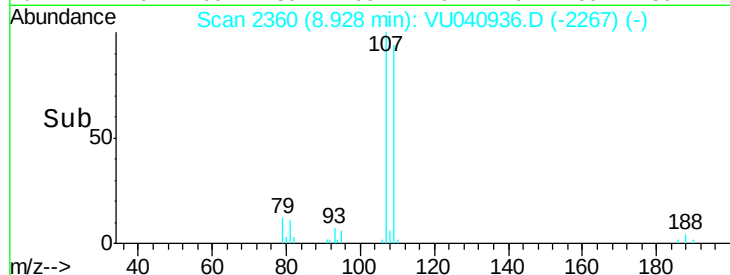
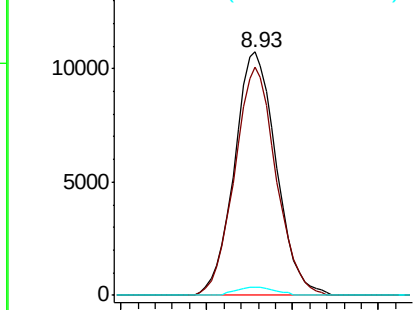


Abundance

Ion 106.95 (106.65 to 107.65): V

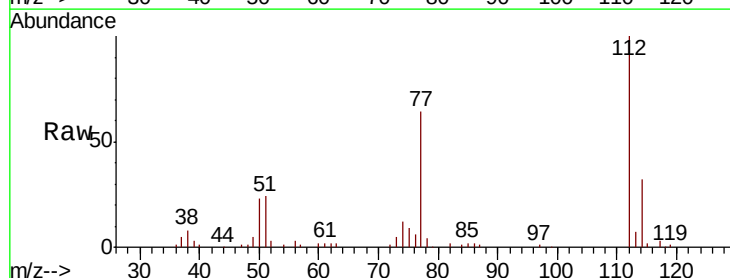
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 4.802 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.4	41.6
77	64.0	51.2	76.8

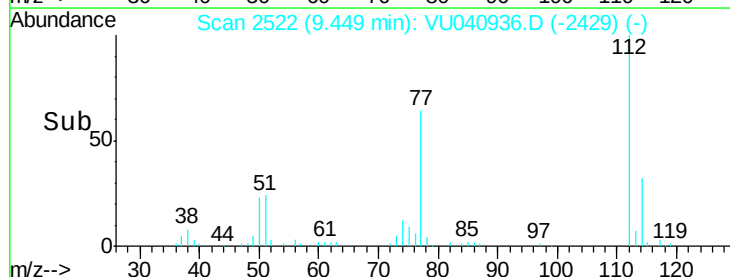
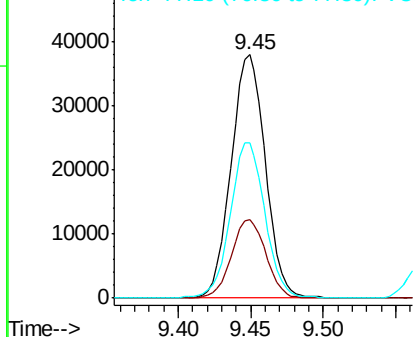


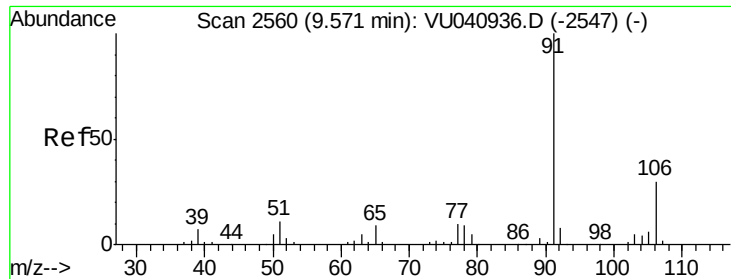
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.860 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

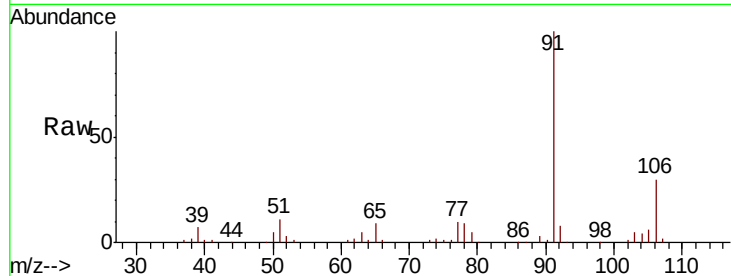
VSTD00503

Tot Ion: 91 Resp: 105151

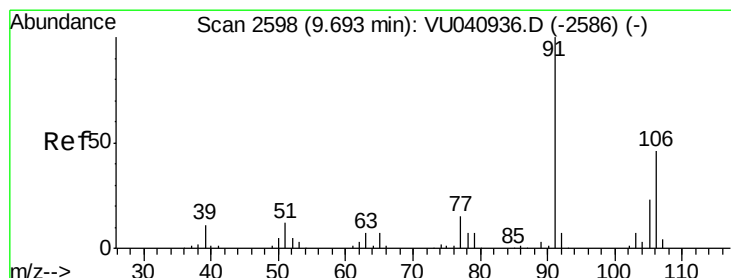
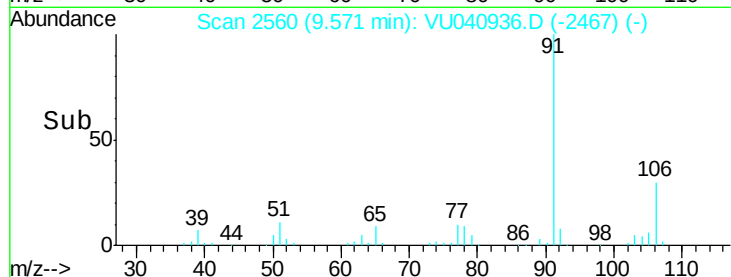
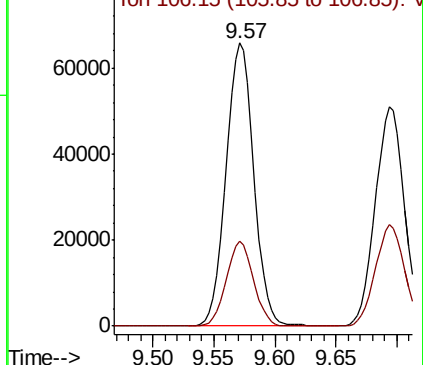
Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040936.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.009 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040936.D

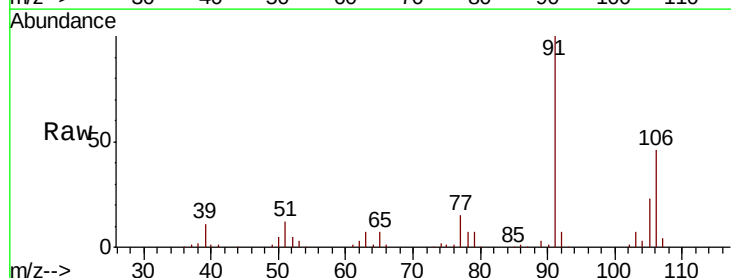
Acq: 26 Oct 2020 11:34

Tgt Ion: 106 Resp: 38844

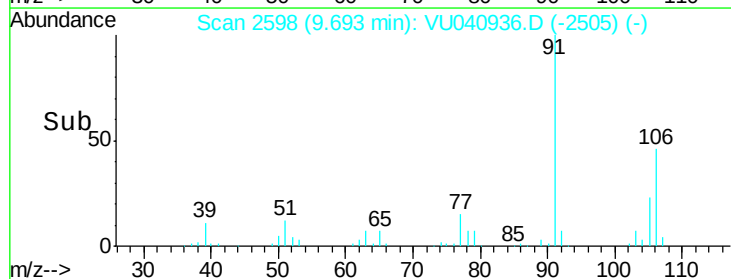
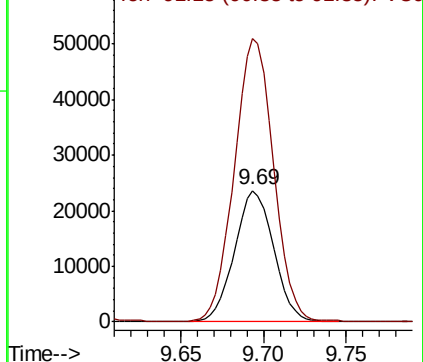
Ion Ratio Lower Upper

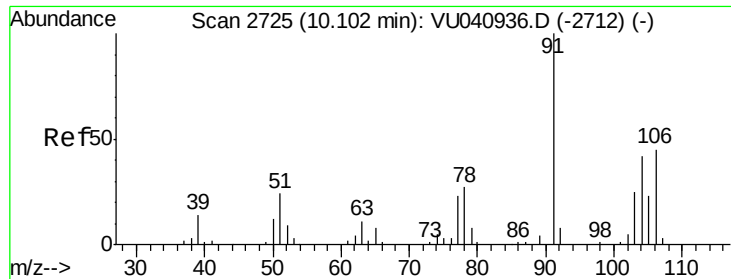
106 100

91 215.6 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU040936.D (-2598) (-)

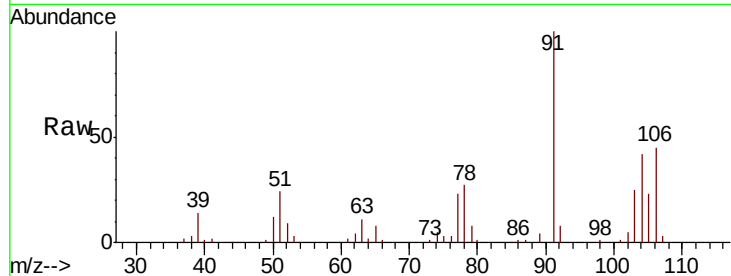




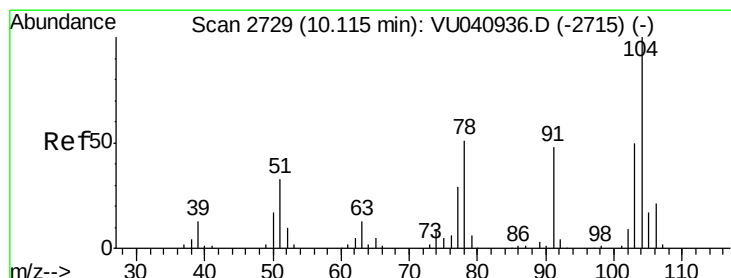
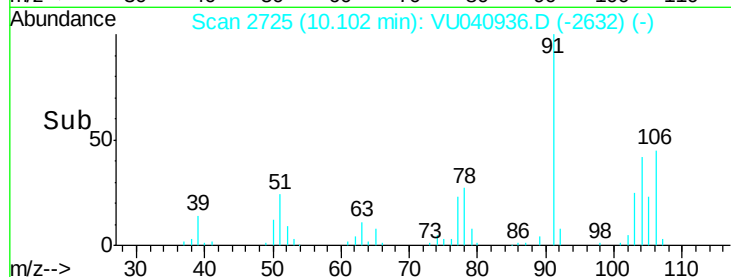
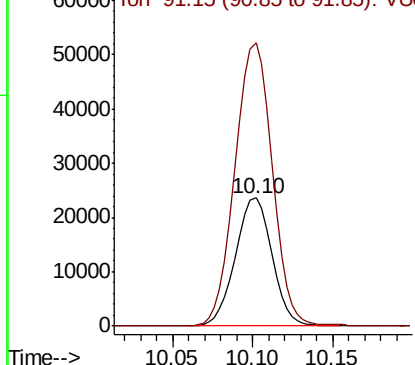
#54
o-Xylene
Concen: 4.991 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tot Ion:106 Resp: 36836
Ion Ratio Lower Upper
106 100
91 220.4 154.3 286.5

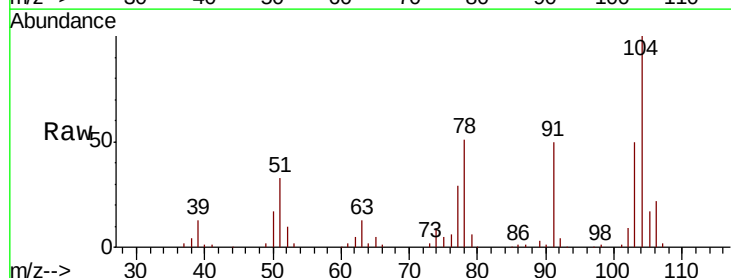


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

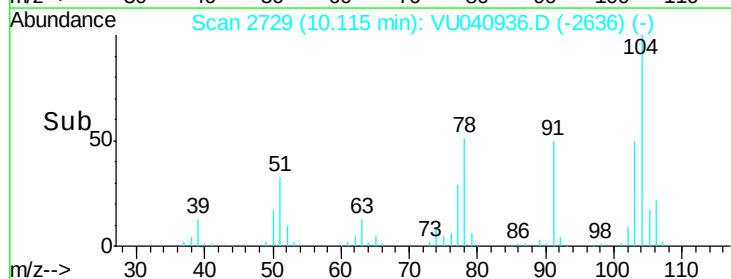
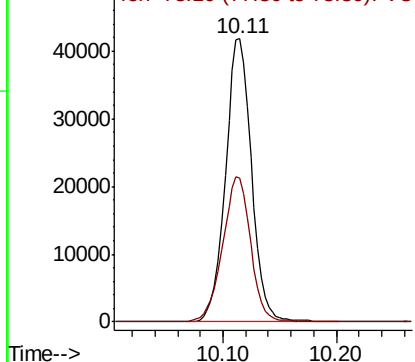


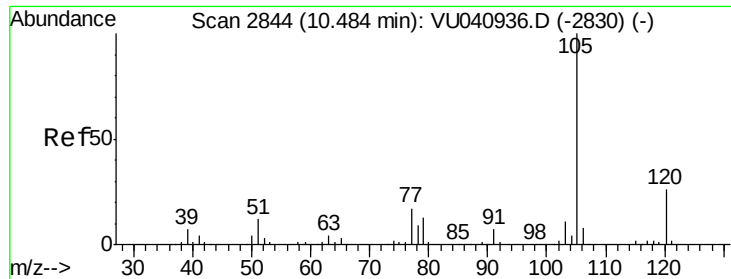
#55
Styrene
Concen: 5.205 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040936.D
Acq: 26 Oct 2020 11:34

Tgt Ion:104 Resp: 66960
Ion Ratio Lower Upper
104 100
78 50.7 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: 4.953 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

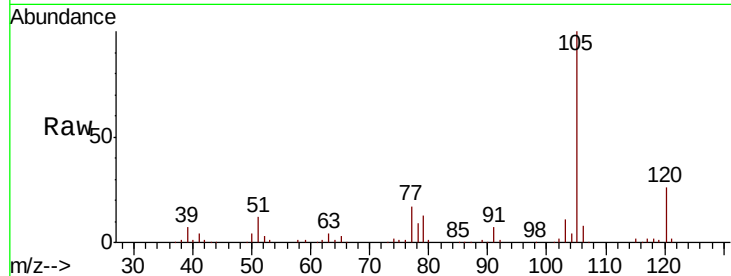
Tot Ion:105 Resp: 97428

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

77 17.2 13.8 20.6

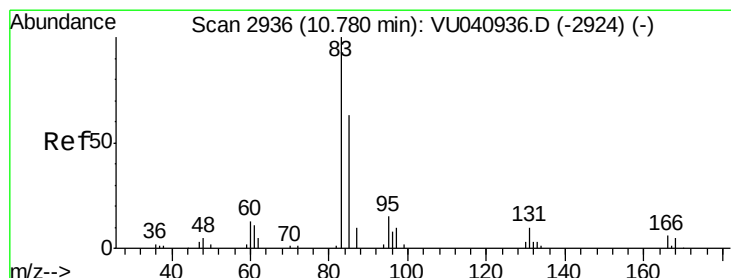
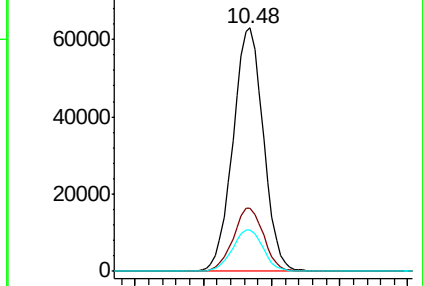
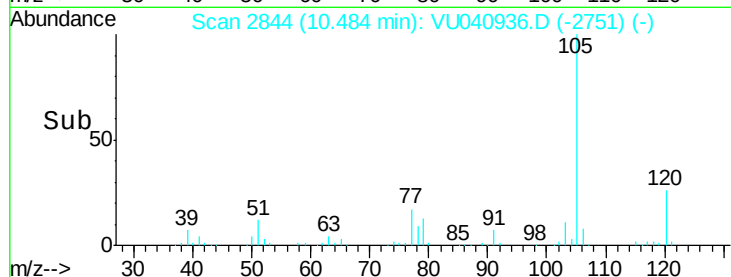


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 5.321 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

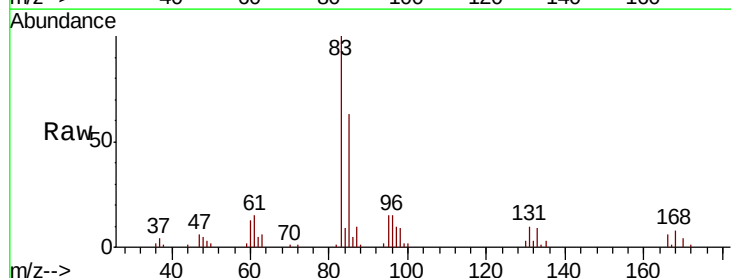
Tgt Ion: 83 Resp: 25533

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

131 9.6 7.7 11.5

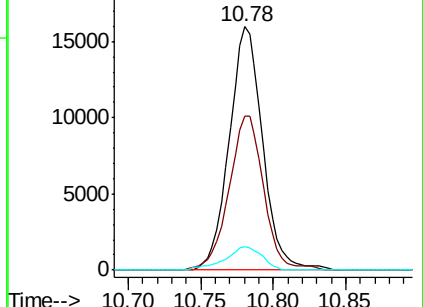
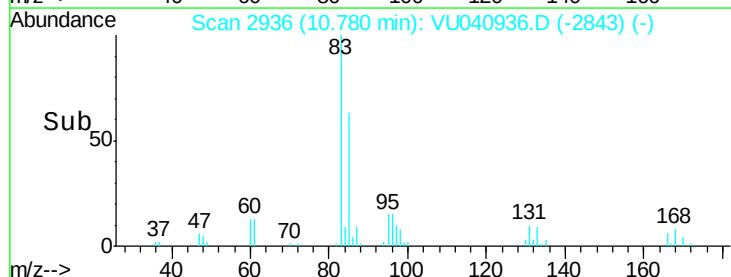


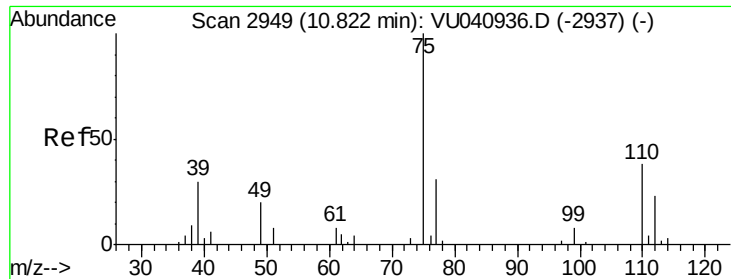
Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.322 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

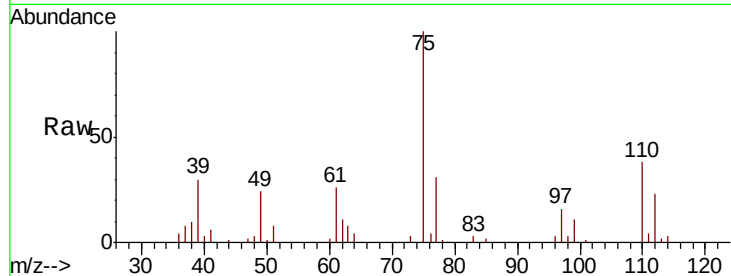
VSTD00503

Tot Ion: 75 Resp: 19219

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040936.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU040936.D (-2937) (-)

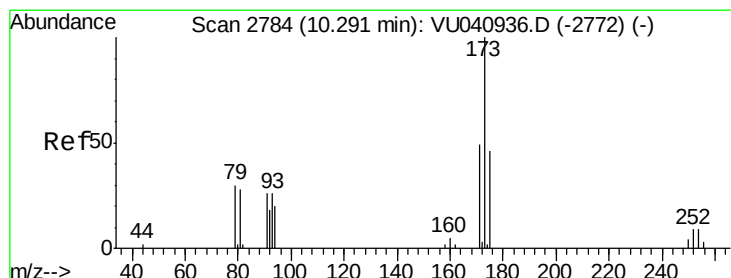
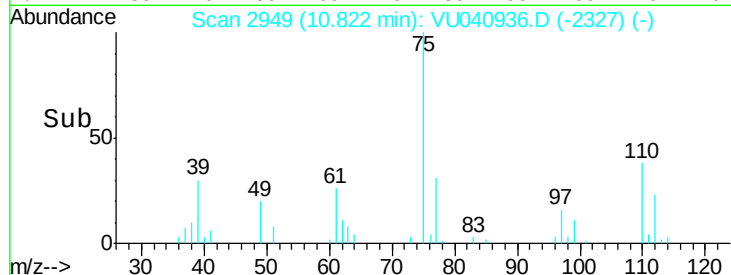
10.82

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.128 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

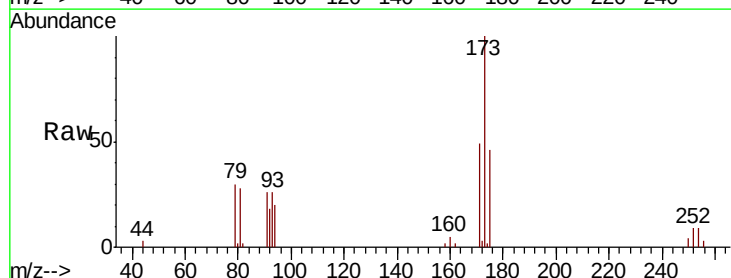
Tgt Ion: 173 Resp: 12426

Ion Ratio Lower Upper

173 100

175 47.0 37.6 56.4

254 8.2 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU040936.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU040936.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU040936.D (-2772) (-)

10.29

10000

8000

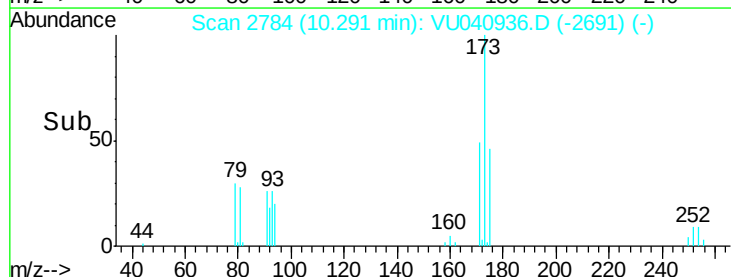
6000

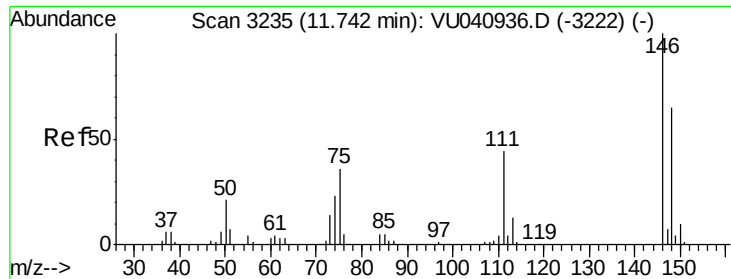
4000

2000

0

Time-->

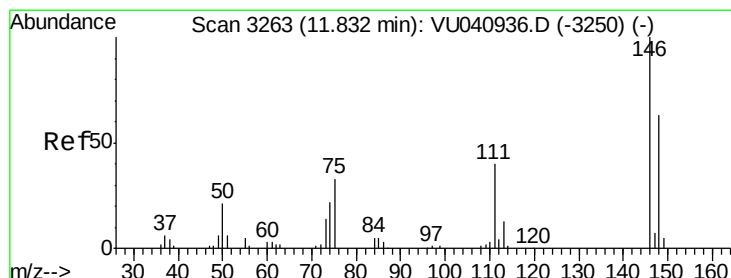
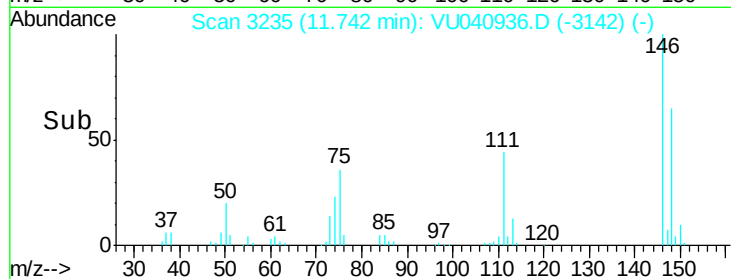
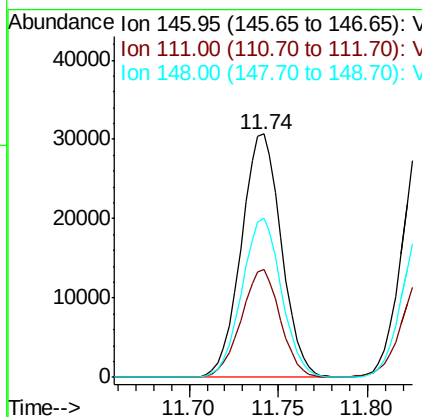
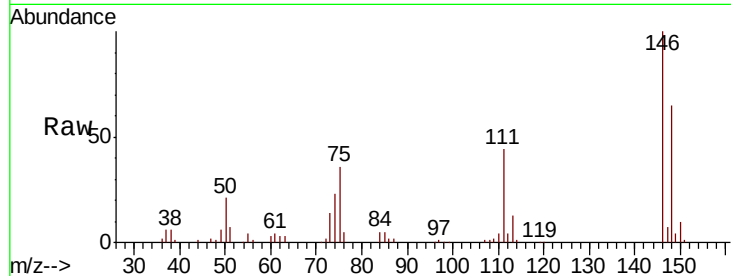




#62
 1,3-Dichlorobenzene
 Concen: 4.727 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

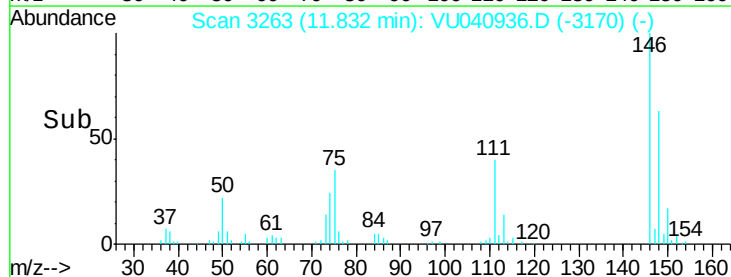
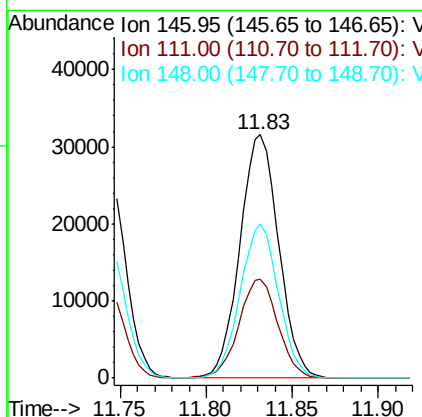
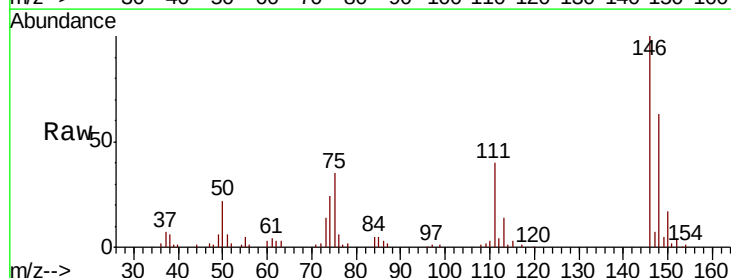
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

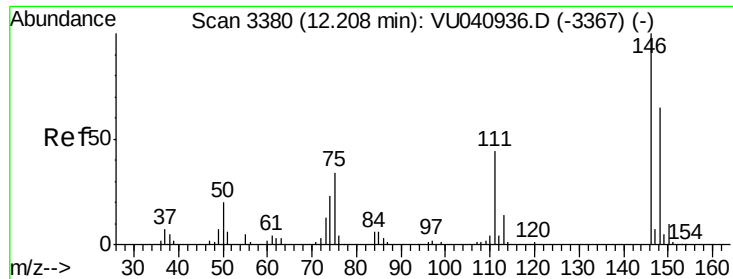
Tot Ion:146 Resp: 48036
 Ion Ratio Lower Upper
 146 100
 111 44.1 30.9 57.3
 148 65.5 45.8 85.2



#63
 1,4-Dichlorobenzene
 Concen: 4.710 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

Tgt Ion:146 Resp: 49360
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.3 52.7
 148 63.2 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 4.777 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

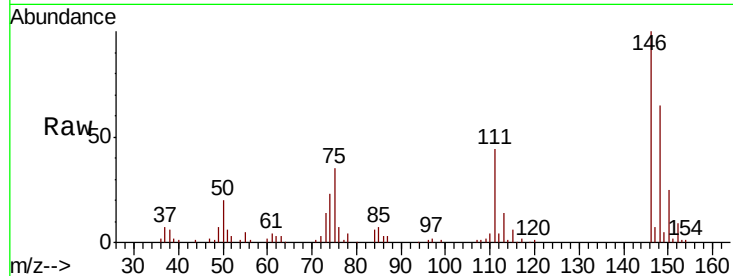
Tot Ion:146 Resp: 45908

Ion Ratio Lower Upper

146 100

111 43.8 35.0 52.6

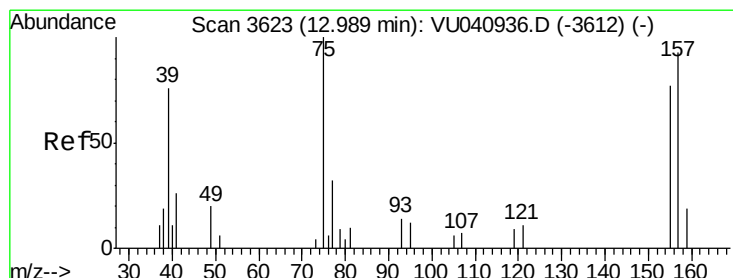
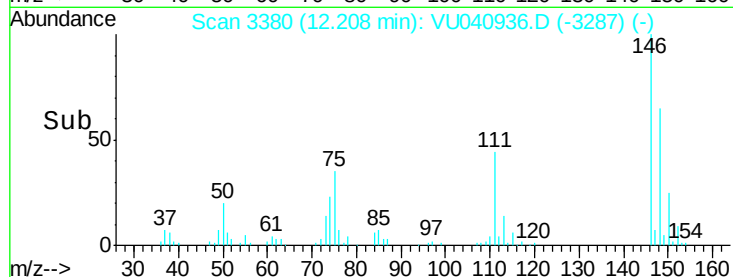
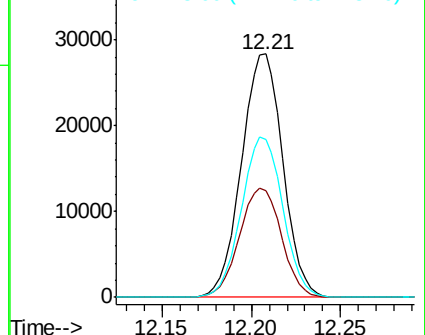
148 65.0 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.920 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

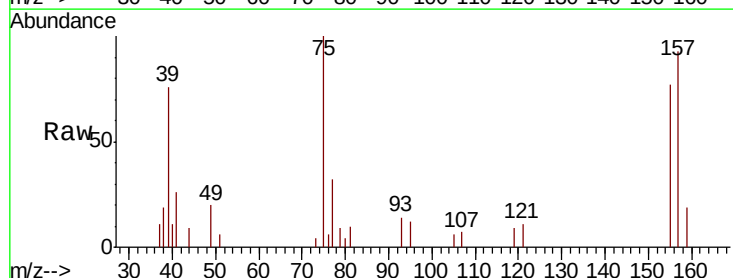
Tgt Ion: 75 Resp: 4515

Ion Ratio Lower Upper

75 100

155 76.8 61.4 92.2

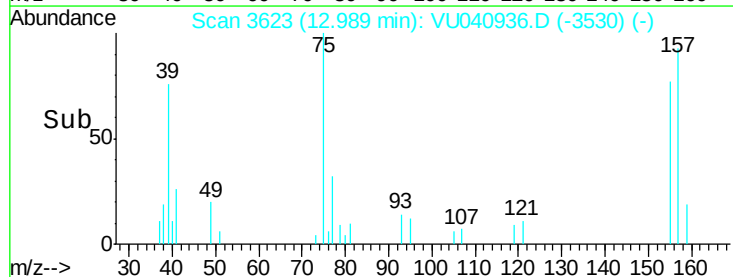
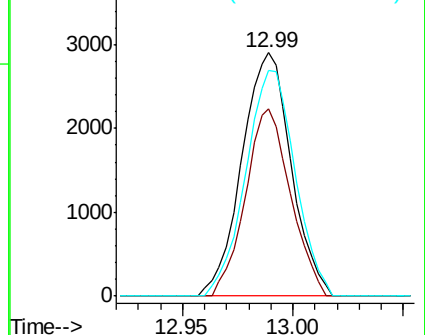
157 92.8 74.2 111.4

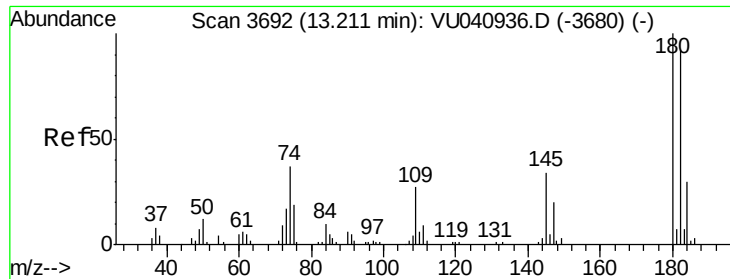


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

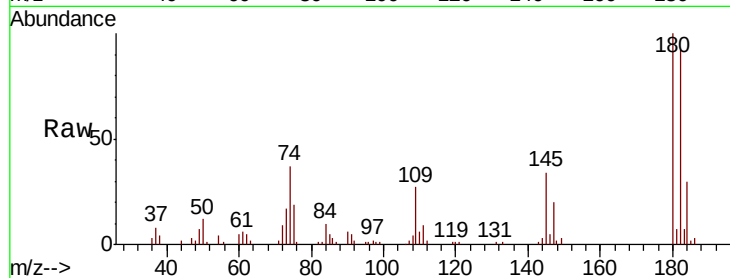




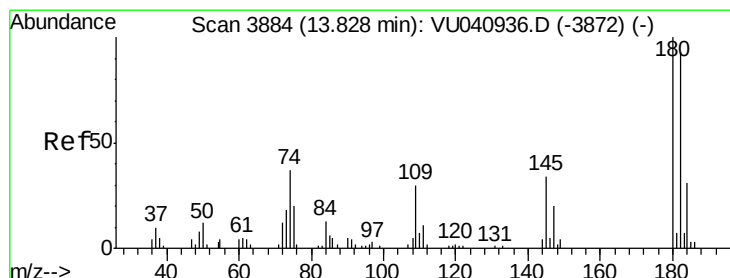
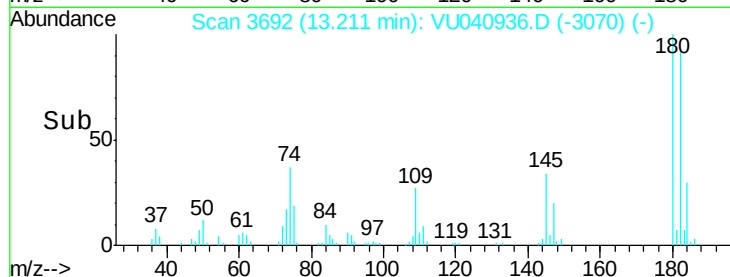
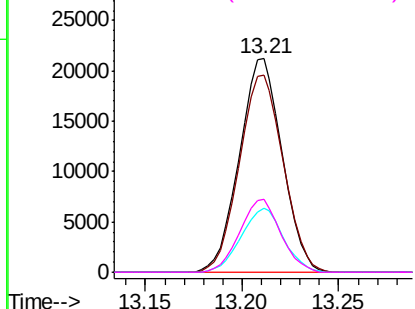
#67
 1,3,5-Trichlorobenzene
 Concen: 4.371 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tot Ion:180 Resp: 32608
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.7 113.5
 184 29.6 23.7 35.5
 145 32.6 26.1 39.1

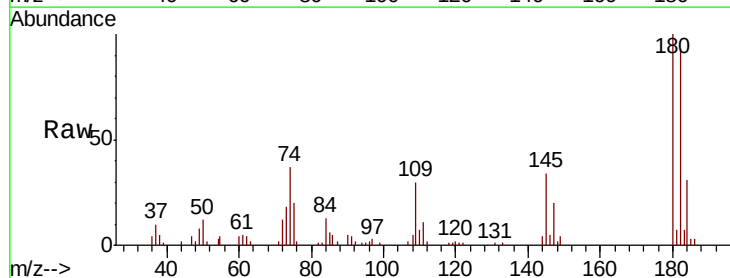


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

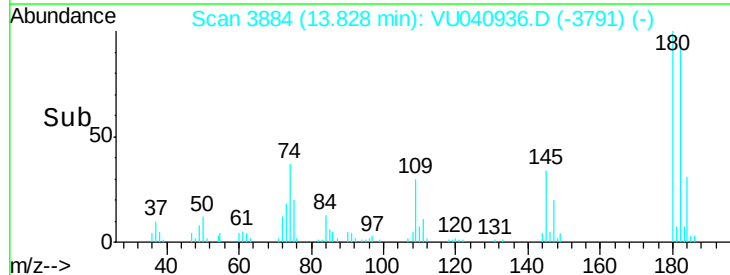
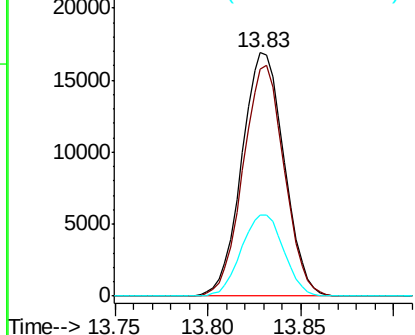


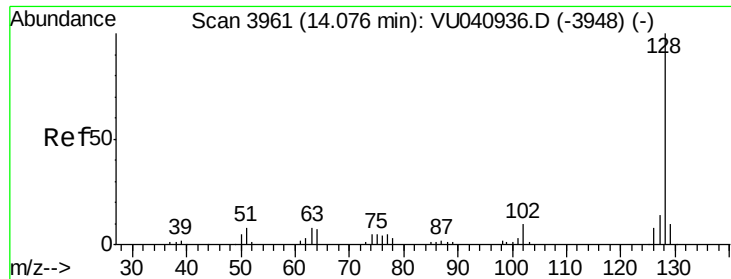
#68
 1,2,4-trichlorobenzene
 Concen: 4.287 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040936.D
 Acq: 26 Oct 2020 11:34

Tgt Ion:180 Resp: 26836
 Ion Ratio Lower Upper
 180 100
 182 91.9 73.5 110.3
 145 33.3 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: 4.128 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

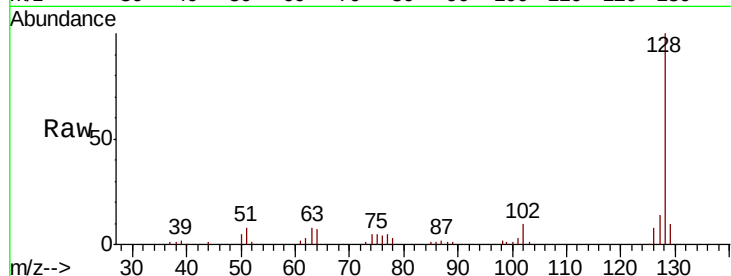
Tot Ion:128 Resp: 47235

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

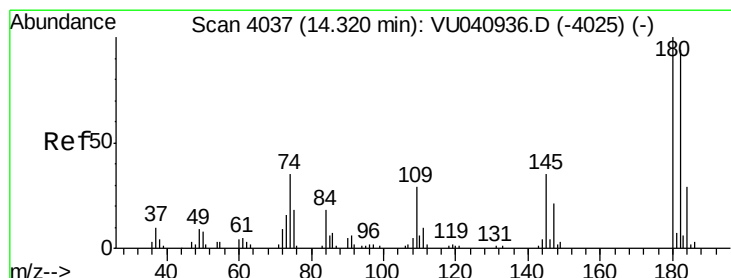
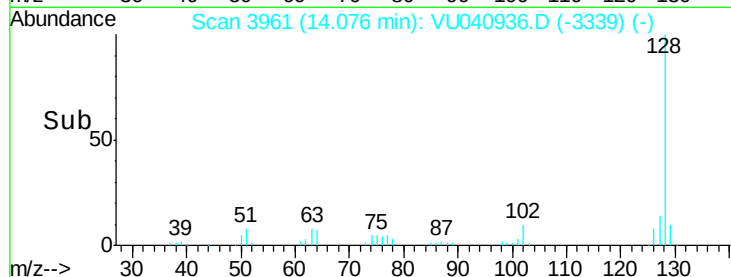
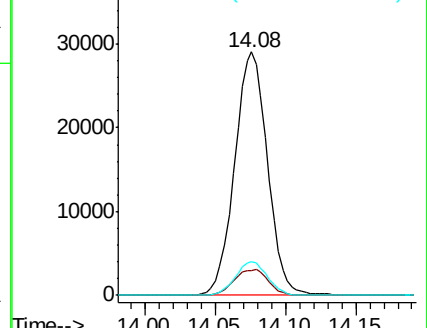
127 13.5 10.8 16.2



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: 4.238 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040936.D

Acq: 26 Oct 2020 11:34

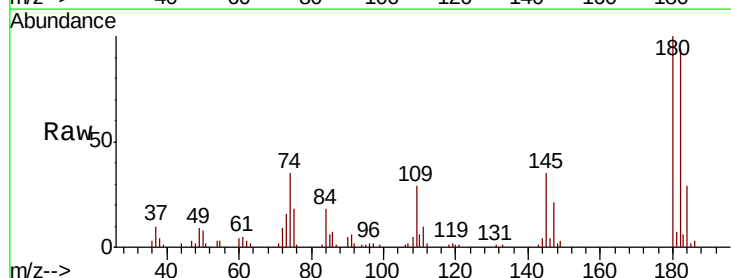
Tgt Ion:180 Resp: 25636

Ion Ratio Lower Upper

180 100

182 97.1 77.7 116.5

145 36.7 29.4 44.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

