

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101120\
 Data File : VU040647.D
 Acq On : 10 Oct 2020 20:10
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Quant Time: Oct 12 07:16:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 12 07:06:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	126802	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	129222	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	69357	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	42896	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.92	69	36965	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.58	63	91692	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	4.66	46	190721	56.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.44%
24) Chloroform-d	5.08	84	95962	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.72	65	57195	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.75	84	171819	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.70	67	58197	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.91	98	157203	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	8.19	79	25411	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.64	63	142179	56.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.58%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	54832	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	64585	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	55010	4.788	ug/L 100
3) Chloromethane	1.53	50	51354	4.780	ug/L 99
5) Vinyl chloride	1.61	62	53712	4.747	ug/L 99
6) Bromomethane	1.87	94	23319	3.795	ug/L 99
8) Chloroethane	1.94	64	34166	4.742	ug/L 98
9) Trichlorofluoromethane	2.15	101	81571	5.020	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	51427	4.876	ug/L 99
12) 1,1-Dichloroethene	2.59	96	44692	4.940	ug/L 95
13) Acetone	2.66	43	124498	47.769	ug/L 98
14) Carbon disulfide	2.81	76	116232	4.589	ug/L 96
15) Methyl Acetate	2.97	43	30468	5.120	ug/L 99
16) Methylene chloride	3.06	84	53028	4.565	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	130917	5.117	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	46238	4.882	ug/L 98
19) 1,1-Dichloroethane	3.89	63	99789	5.095	ug/L 98
21) 2-Butanone	4.73	43	209026	51.443	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	53976	5.285	ug/L 96

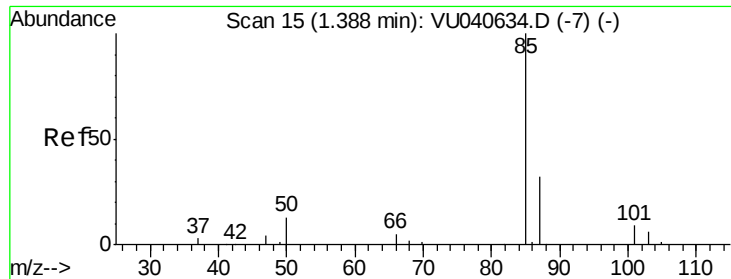
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101120\
 Data File : VU040647.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 12 07:06:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	25262	4.979	ug/L	97
25) Chloroform	5.11	83	105844	5.293	ug/L	99
27) 1,2-Dichloroethane	5.81	62	73951	5.225	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	87708	5.051	ug/L	100
30) Cyclohexane	5.41	56	77816	4.863	ug/L	100
31) Carbon tetrachloride	5.54	117	74577	5.019	ug/L	98
33) Benzene	5.79	78	210954	5.081	ug/L	100
34) Trichloroethene	6.56	95	54652	5.079	ug/L	93
35) Methylcyclohexane	6.77	83	71680	4.697	ug/L	100
37) 1,2-Dichloropropane	6.80	63	60379	5.220	ug/L	100
38) Bromodichloromethane	7.12	83	76104	5.147	ug/L	100
39) cis-1,3-Dichloropropene	7.62	75	79856	5.053	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	489278	53.056	ug/L	99
42) Toluene	7.98	91	219956	5.199	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	75158	5.166	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	44109	5.092	ug/L	99
47) Tetrachloroethene	8.56	164	39146	5.099	ug/L	93
48) 2-Hexanone	8.69	43	373625	54.417	ug/L	99
49) Dibromochloromethane	8.82	129	52923	5.309	ug/L	99
50) 1,2-Dibromoethane	8.93	107	41429	5.041	ug/L	98
51) Chlorobenzene	9.45	112	142130	5.101	ug/L	97
52) Ethylbenzene	9.57	91	238352	5.206	ug/L	100
53) m,p-Xylene	9.70	106	89896	5.387	ug/L	99
54) o-Xylene	10.10	106	86314	5.378	ug/L	97
55) Styrene	10.11	104	155740	5.588	ug/L	99
56) Isopropylbenzene	10.48	105	231363	5.355	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	58990	5.186	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	43364	5.104	ug/L	97
61) Bromoform	10.29	173	29539	4.968	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	117490	5.176	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	120174	5.134	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	115433	5.202	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	9783	5.035	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	80906	5.023	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	65035	5.226	ug/L	97
69) Naphthalene	14.08	128	105139	5.165	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	61834	5.351	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.788 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

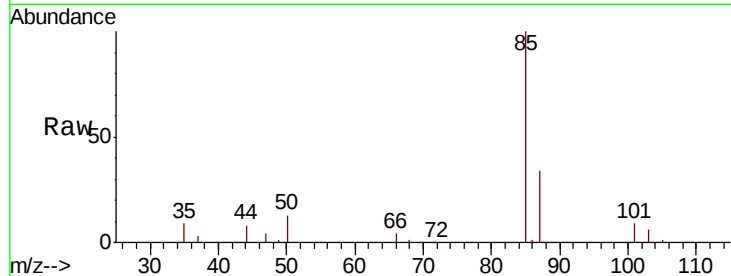
VSTD00527

Tot Ion: 85 Resp: 55010

Ion Ratio Lower Upper

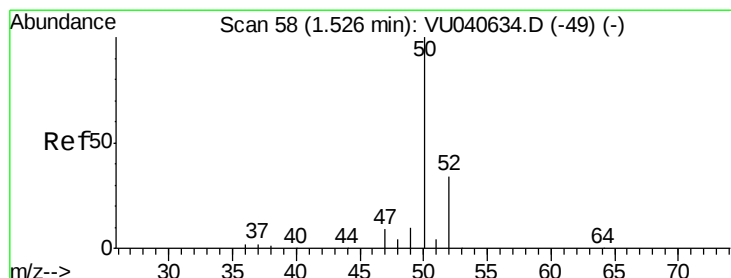
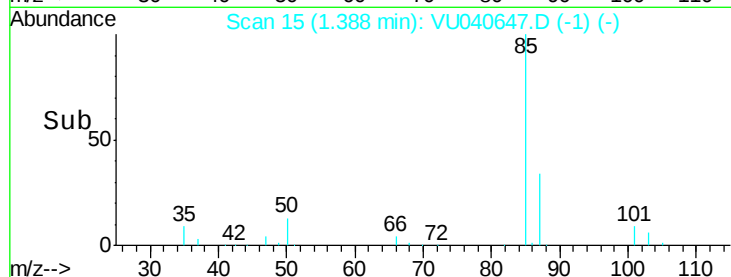
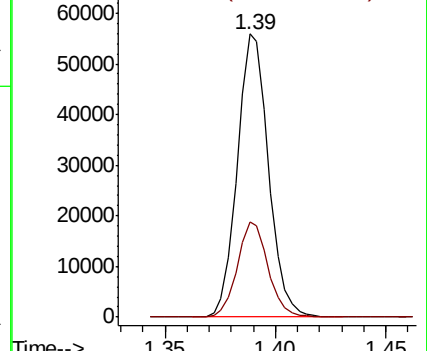
85 100

87 32.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.780 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040647.D

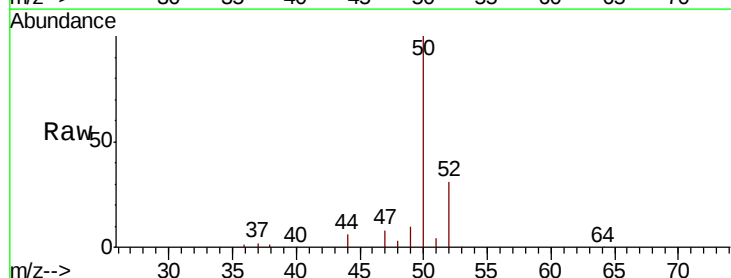
Acq: 10 Oct 2020 20:10

Tgt Ion: 50 Resp: 51354

Ion Ratio Lower Upper

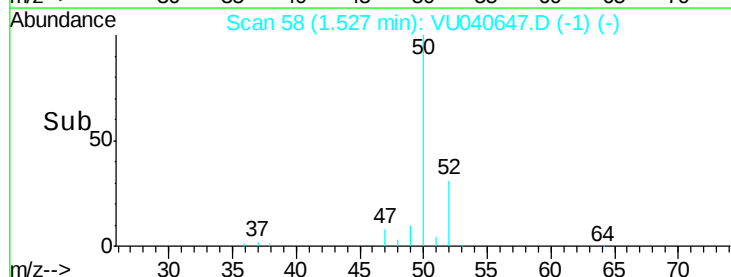
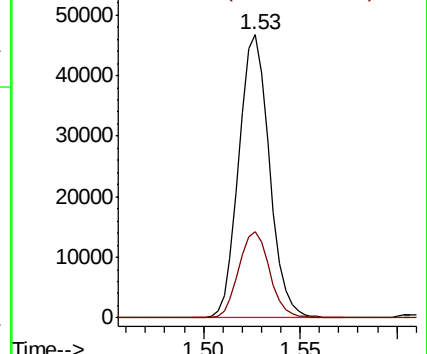
50 100

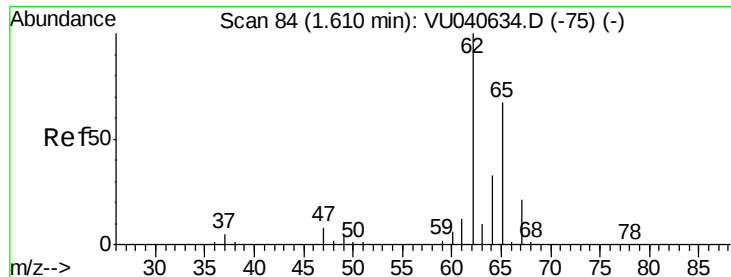
52 30.6 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.747 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

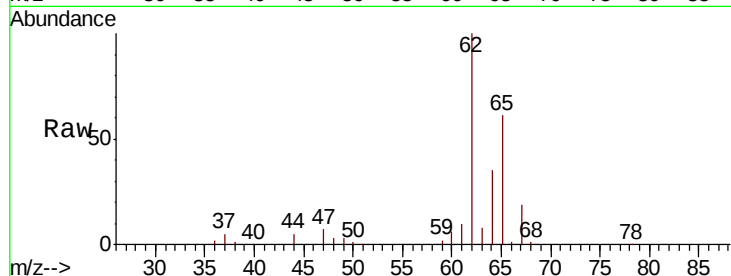
VSTD00527

Tot Ion: 62 Resp: 53712

Ion Ratio Lower Upper

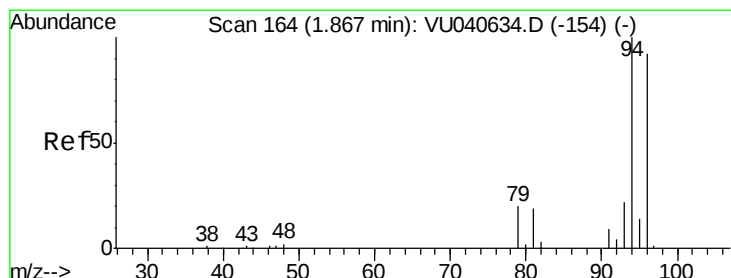
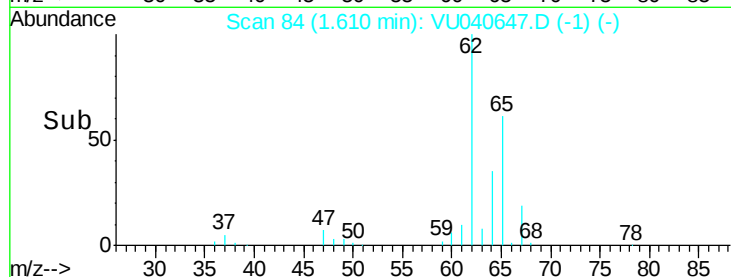
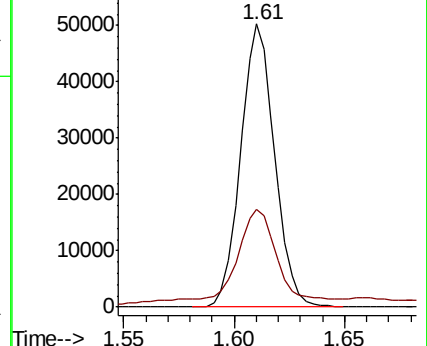
62 100

64 34.7 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.795 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040647.D

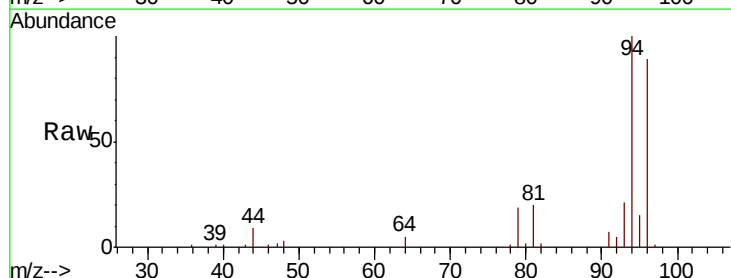
Acq: 10 Oct 2020 20:10

Tgt Ion: 94 Resp: 23319

Ion Ratio Lower Upper

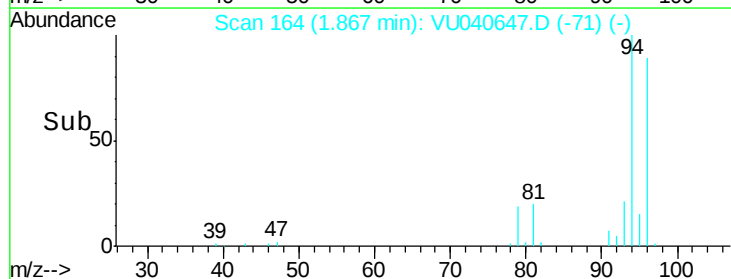
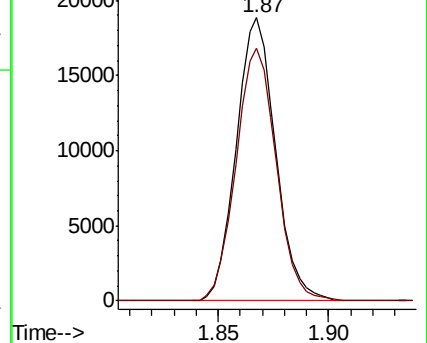
94 100

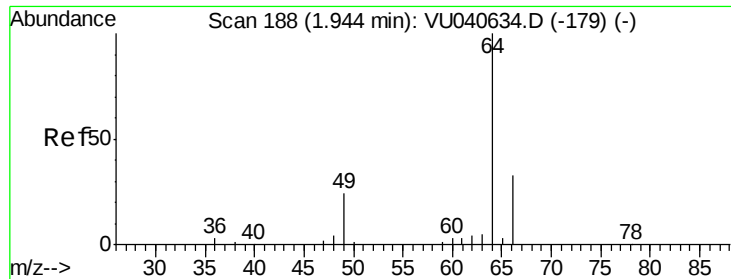
96 89.3 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

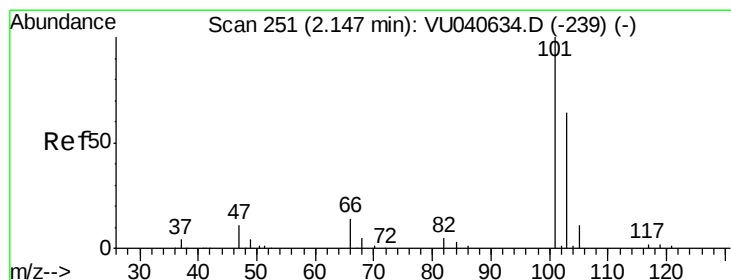
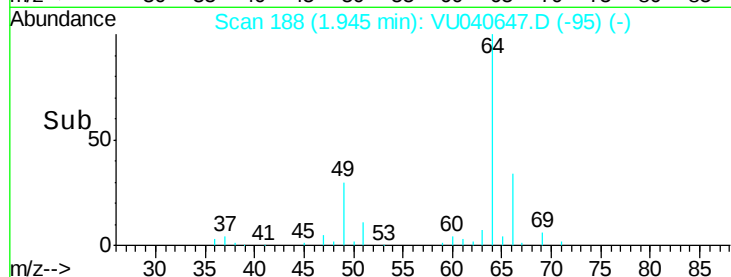
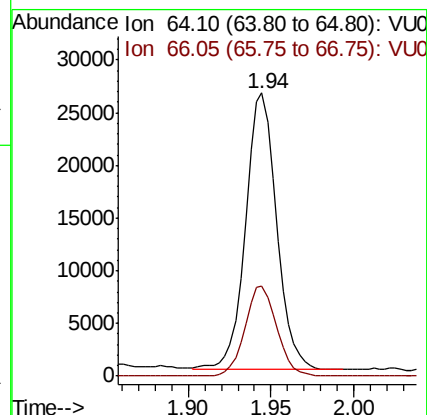
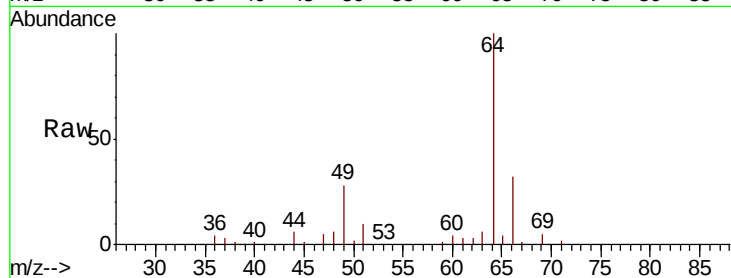




#8
 Chloroethane
 Concen: 4.742 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

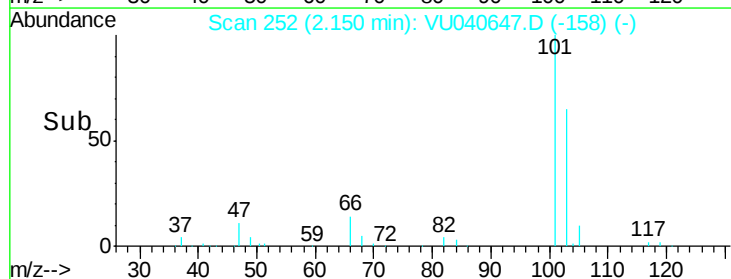
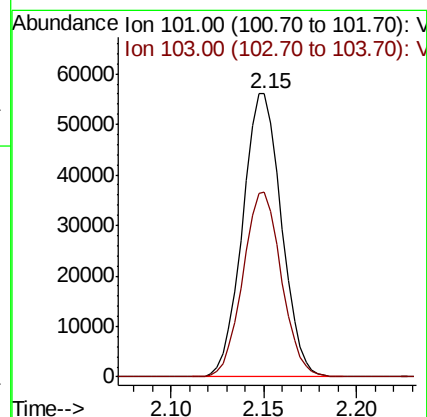
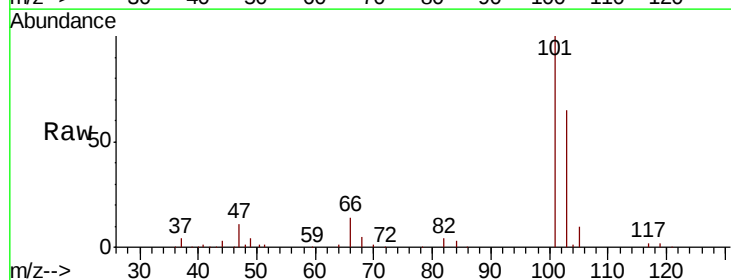
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

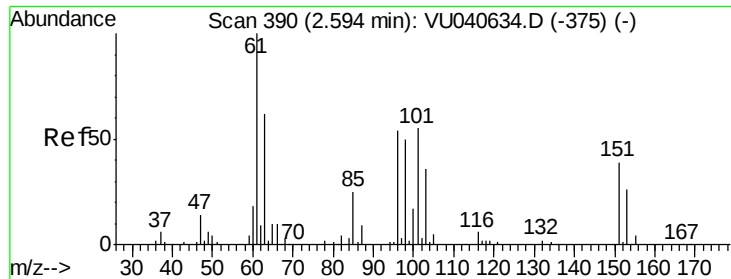
Tot Ion: 64 Resp: 34166
 Ion Ratio Lower Upper
 64 100
 66 31.9 23.3 43.3



#9
 Trichlorofluoromethane
 Concen: 5.020 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

Tgt Ion: 101 Resp: 81571
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.2 78.4





#10

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

Concen: 4.876 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

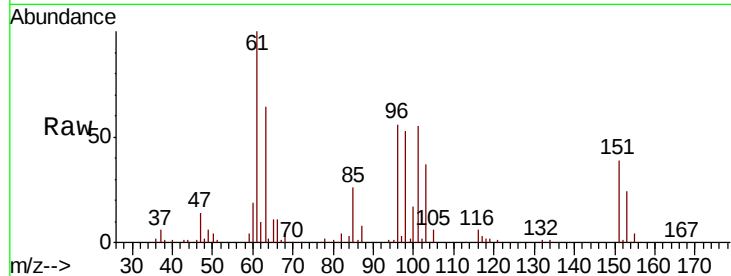
Tot Ion:101 Resp: 51427

Ion Ratio Lower Upper

101 100

85 44.6 36.7 55.1

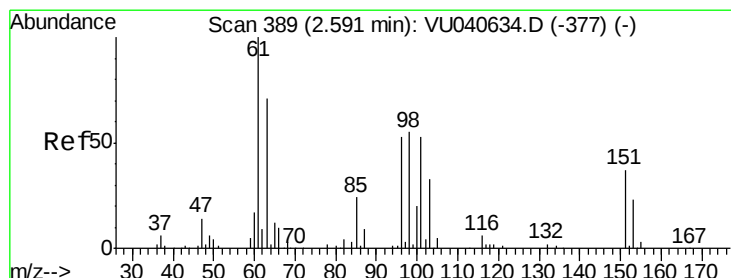
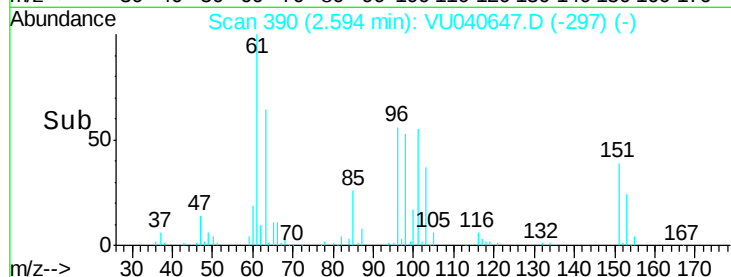
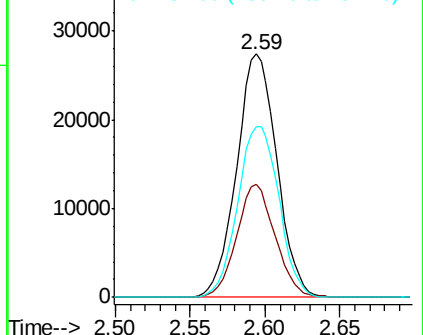
151 71.8 58.0 87.0



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: 4.940 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

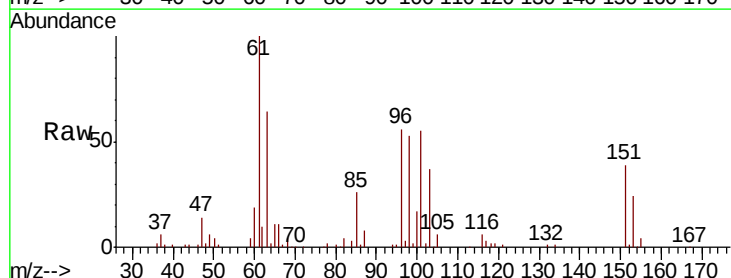
Tgt Ion: 96 Resp: 44692

Ion Ratio Lower Upper

96 100

61 178.3 128.8 239.2

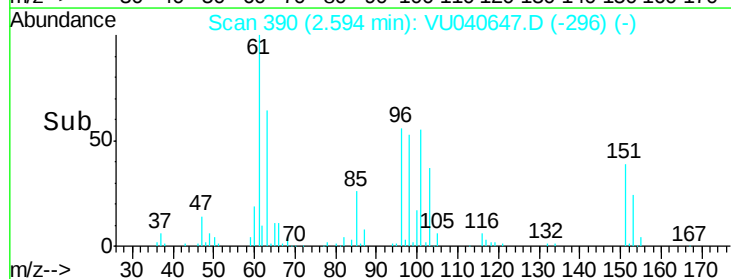
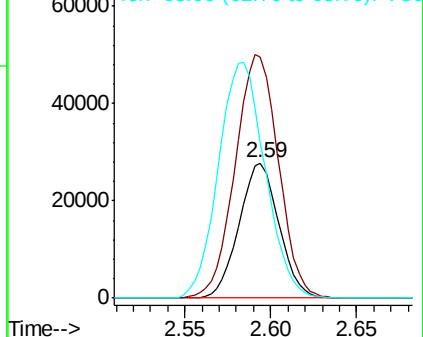
63 114.8 84.6 157.2

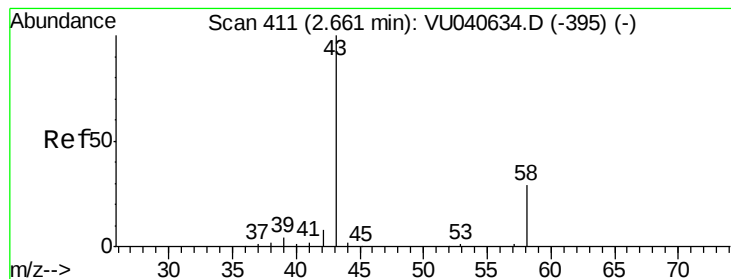


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.769 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

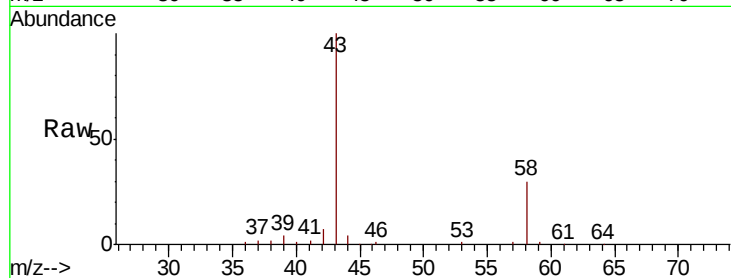
VSTD00527

Tot Ion: 43 Resp: 124498

Ion Ratio Lower Upper

43 100

58 31.2 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040634.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU040634.D (-395) (-)

2.66

40000

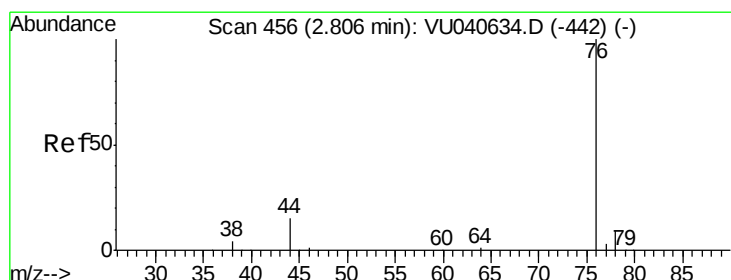
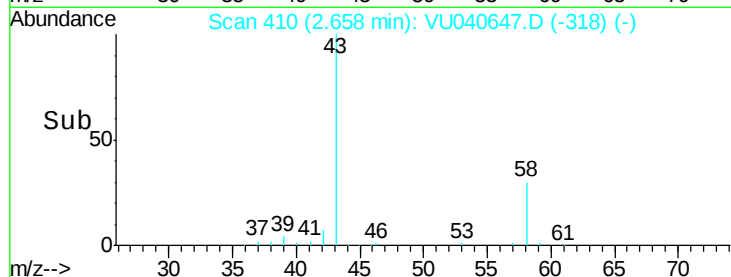
30000

20000

10000

0

Time--> 2.50 2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.589 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040647.D

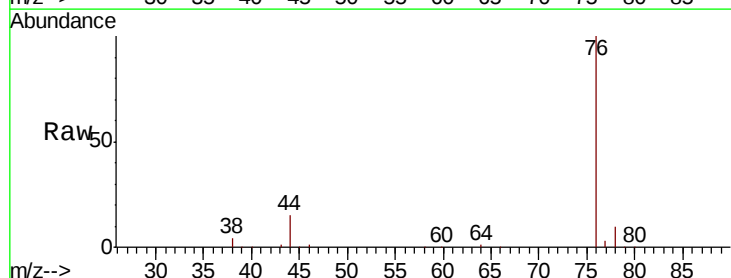
Acq: 10 Oct 2020 20:10

Tgt Ion: 76 Resp: 116232

Ion Ratio Lower Upper

76 100

78 9.9 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040634.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040634.D (-442) (-)

2.81

80000

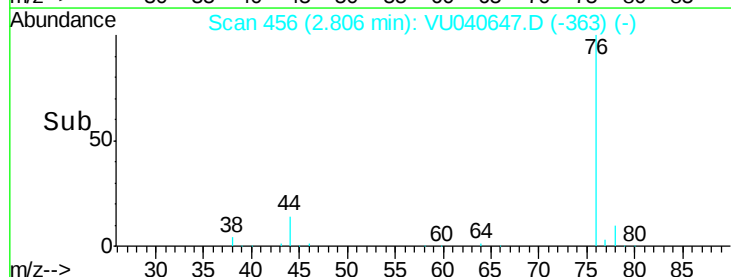
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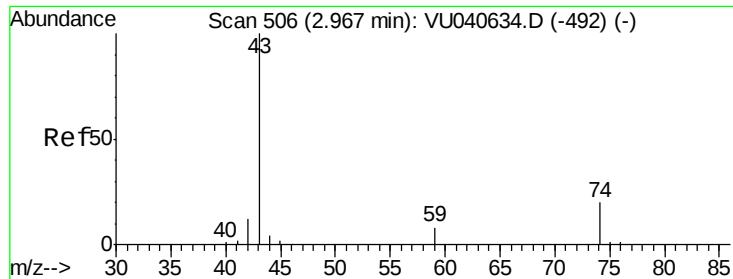
40000

20000

0

Time--> 2.75 2.80 2.85 2.90

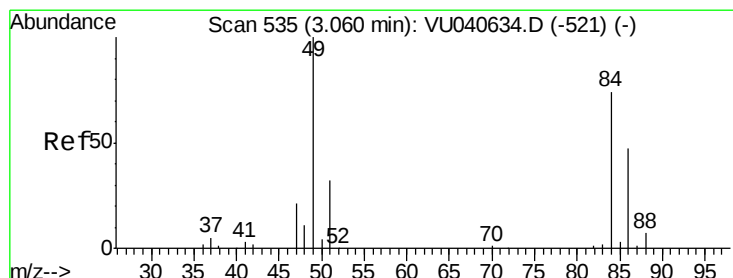
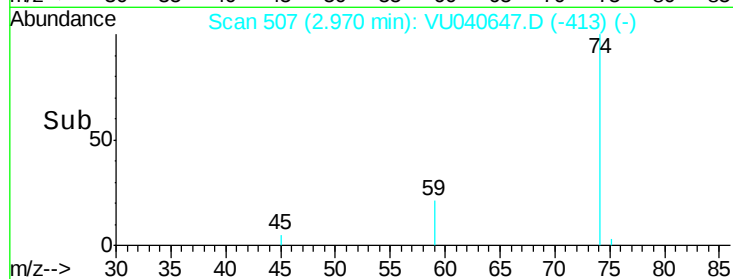
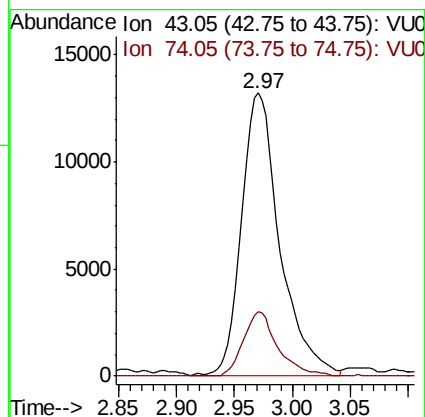
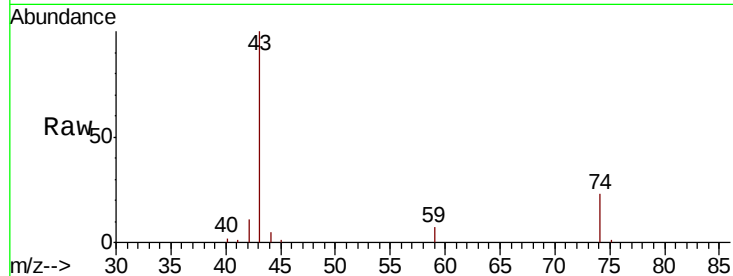




#15
Methvl Acetate
Concen: 5.120 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU040647.D
Acq: 10 Oct 2020 20:10

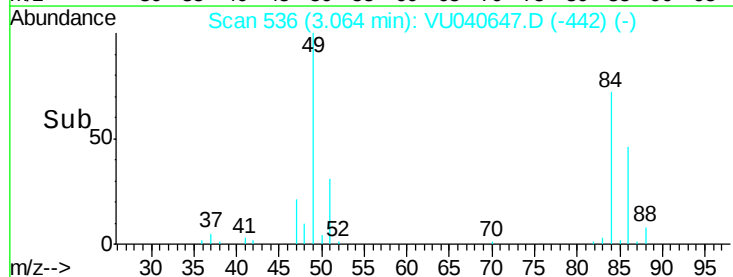
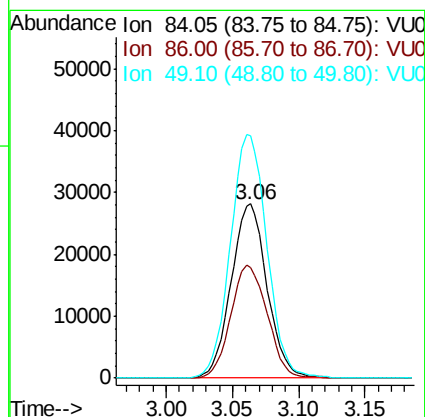
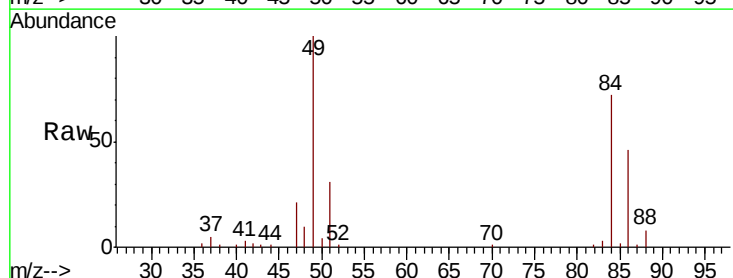
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

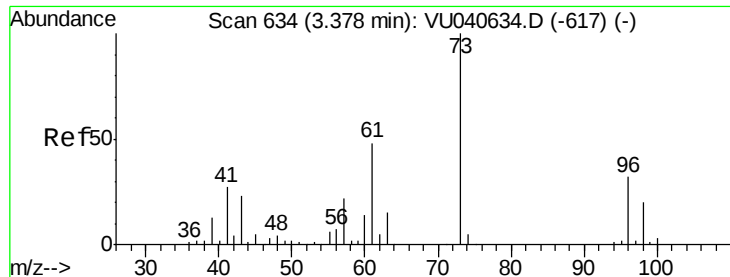
Tot Ion: 43 Resp: 30468
Ion Ratio Lower Upper
43 100
74 20.4 16.5 24.7



#16
Methylene chloride
Concen: 4.565 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040647.D
Acq: 10 Oct 2020 20:10

Tgt Ion: 84 Resp: 53028
Ion Ratio Lower Upper
84 100
86 63.5 45.4 84.4
49 139.1 99.8 185.3

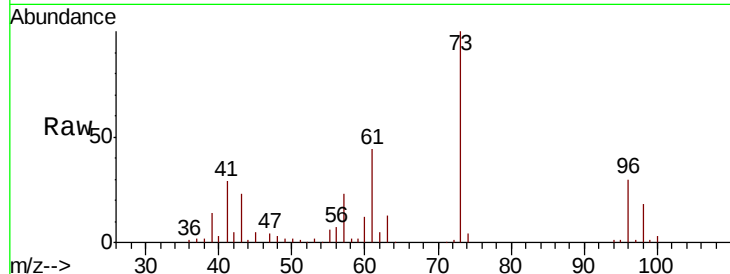




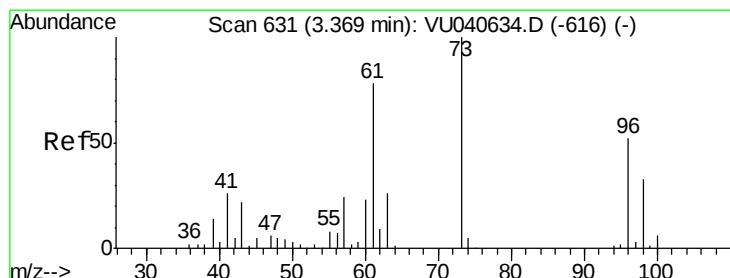
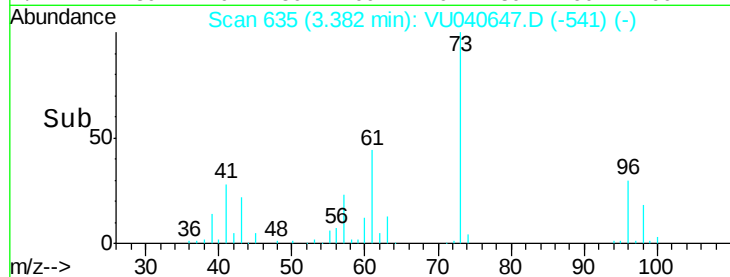
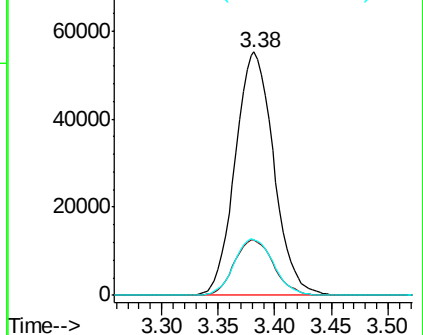
#17
Methvl tert-butvl Ether
Concen: 5.117 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040647.D
Acq: 10 Oct 2020 20:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion: 73 Resp: 130917
Ion Ratio Lower Upper
73 100
43 23.4 18.2 27.4
57 23.7 18.6 28.0

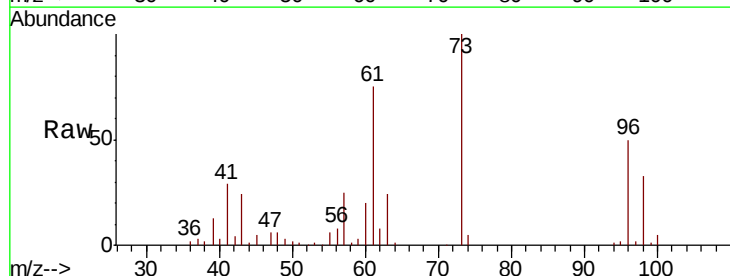


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

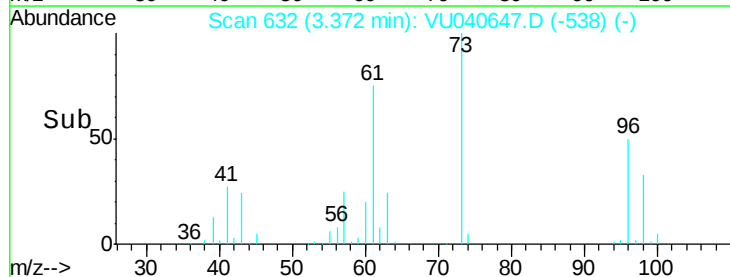
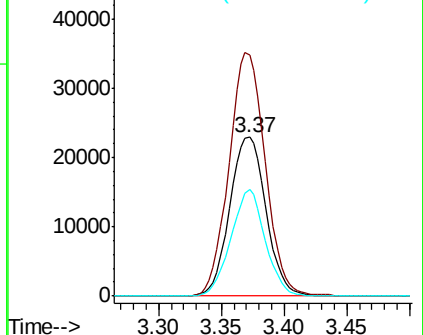


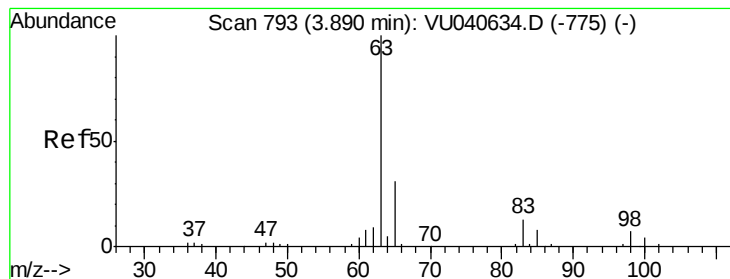
#18
trans-1,2-Dichloroethene
Concen: 4.882 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040647.D
Acq: 10 Oct 2020 20:10

Tgt Ion: 96 Resp: 46238
Ion Ratio Lower Upper
96 100
61 151.6 105.9 196.7
98 67.2 43.8 81.3



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: 5.095 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampled :

VSTD00527

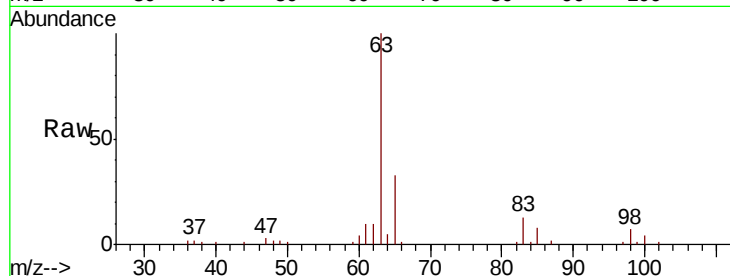
Tot Ion: 63 Resp: 99789

Ion Ratio Lower Upper

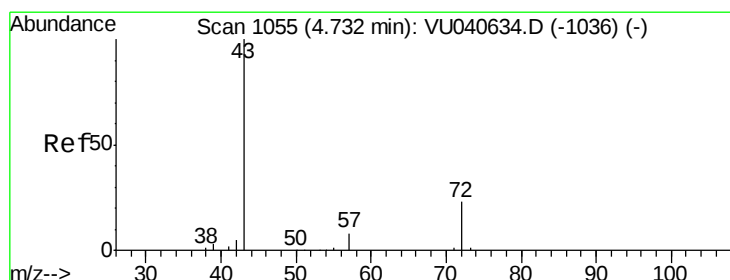
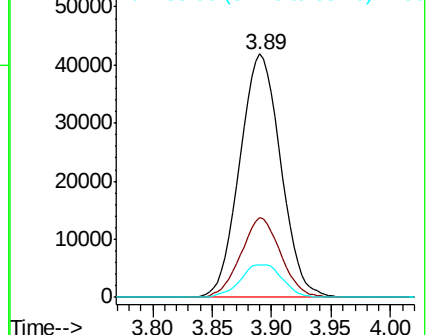
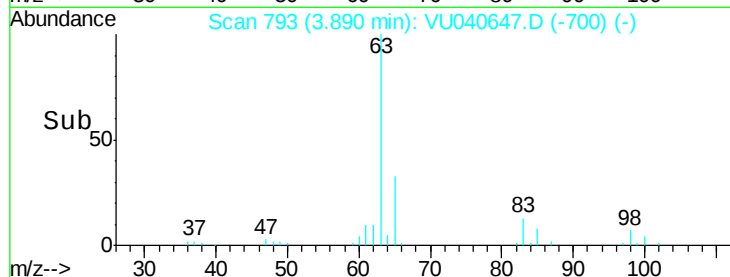
63 100

65 32.6 21.9 40.7

83 13.1 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU040647.D (-700) (-)



#21

2-Butanone

Concen: 51.443 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU040647.D

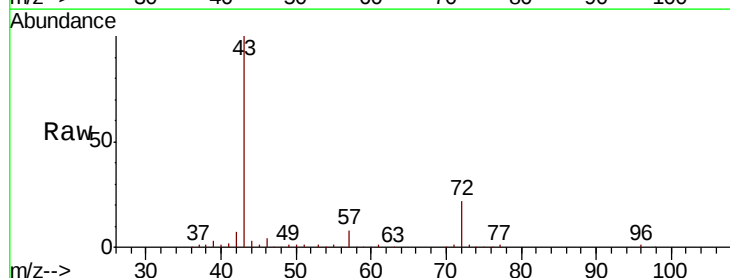
Acq: 10 Oct 2020 20:10

Tgt Ion: 43 Resp: 209026

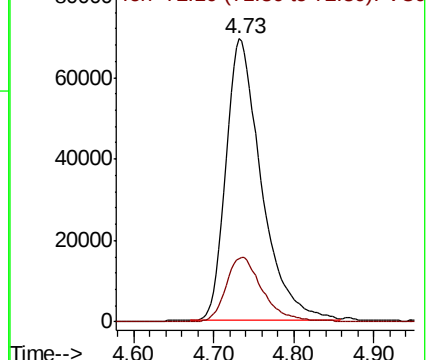
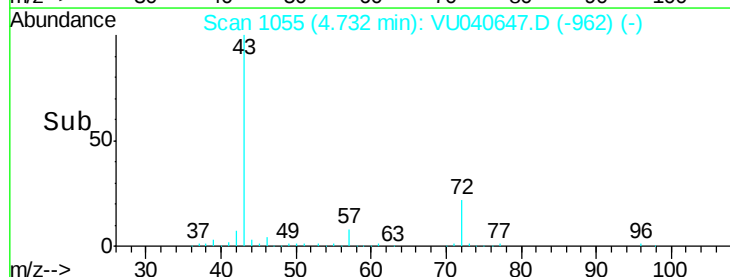
Ion Ratio Lower Upper

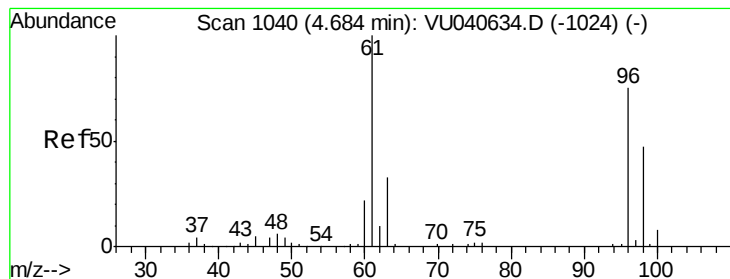
43 100

72 23.7 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU040647.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.285 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

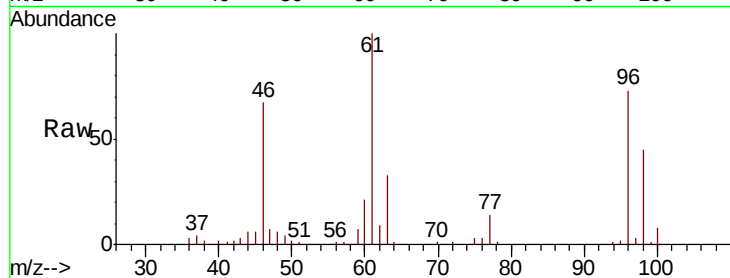
Tot Ion: 96 Resp: 53976

Ion Ratio Lower Upper

96 100

61 137.7 99.8 185.4

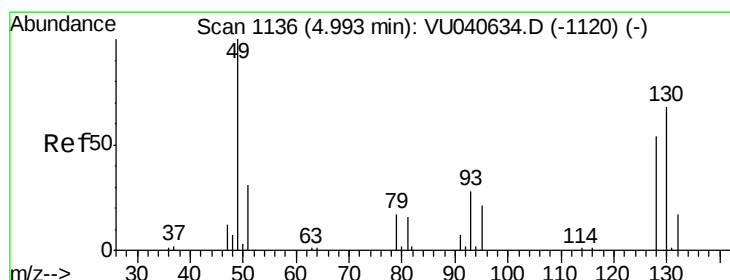
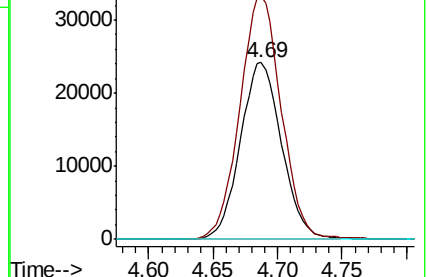
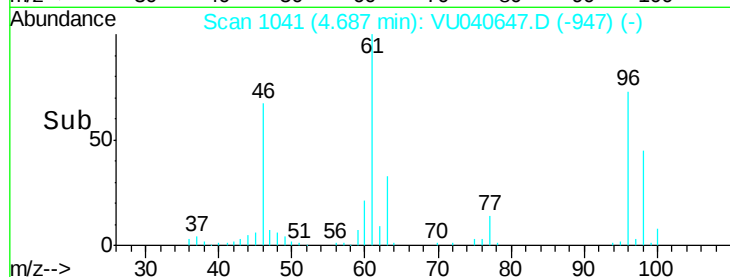
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040647.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040647.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040647.D (-947) (-)



#23

Bromochloromethane

Concen: 4.979 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Tgt Ion: 128 Resp: 25262

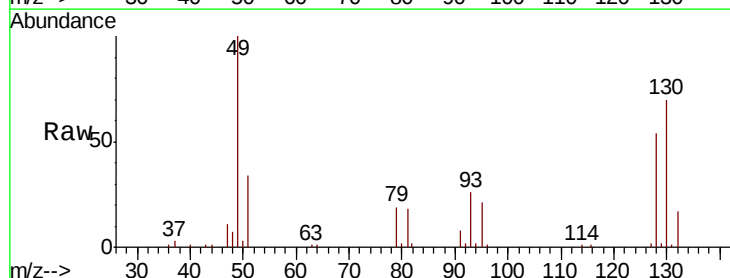
Ion Ratio Lower Upper

128 100

49 186.0 132.2 245.4

130 129.8 89.2 165.8

51 62.6 45.3 67.9

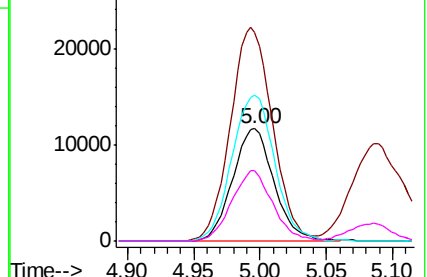
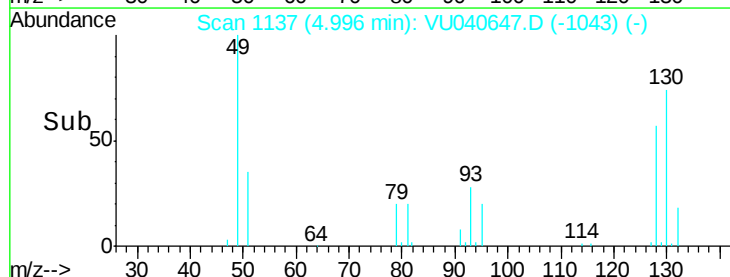


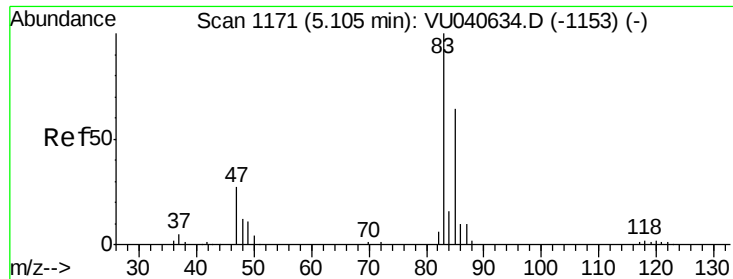
Abundance Ion 127.90 (127.60 to 128.60): VU040647.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU040647.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040647.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040647.D (-1043) (-)

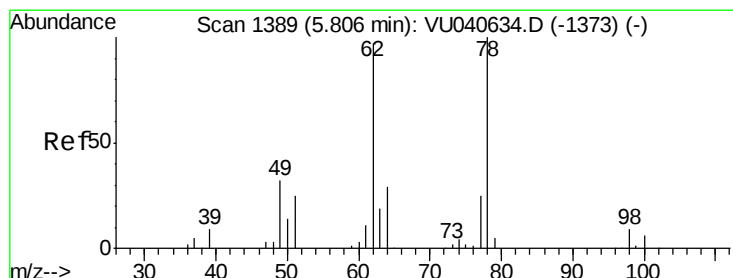
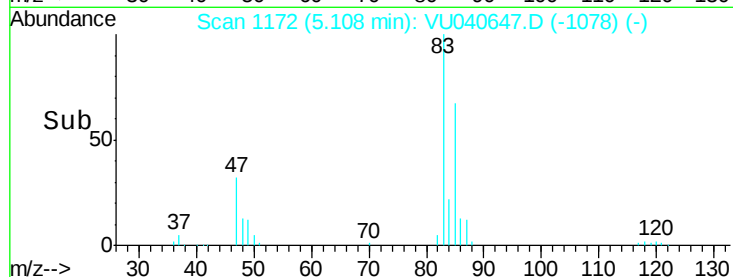
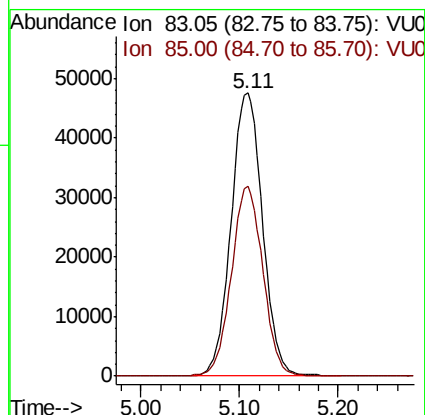
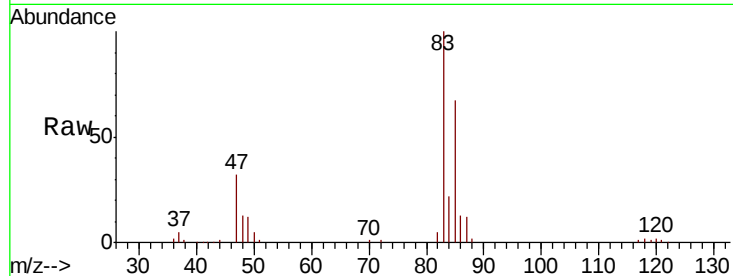




#25
Chloroform
Concen: 5.293 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040647.D
Acq: 10 Oct 2020 20:10

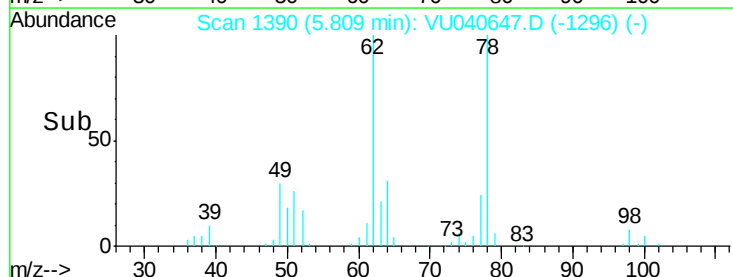
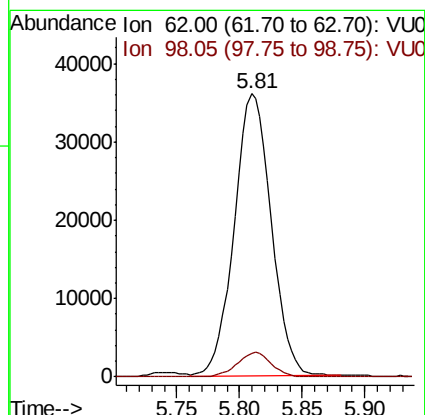
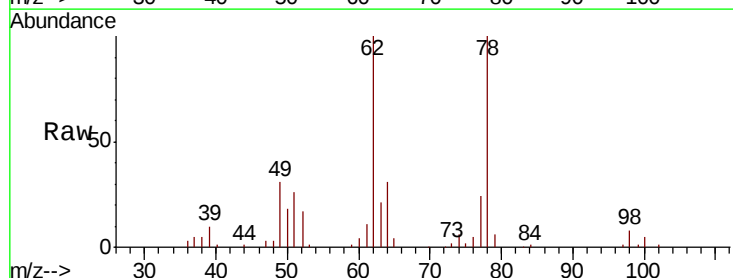
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

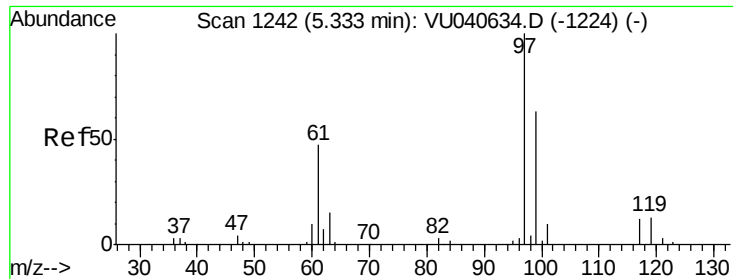
Tot Ion: 83 Resp: 105844
Ion Ratio Lower Upper
83 100
85 67.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.225 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040647.D
Acq: 10 Oct 2020 20:10

Tgt Ion: 62 Resp: 73951
Ion Ratio Lower Upper
62 100
98 8.2 6.6 10.0

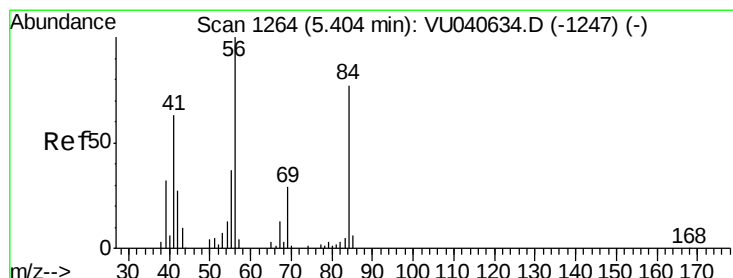
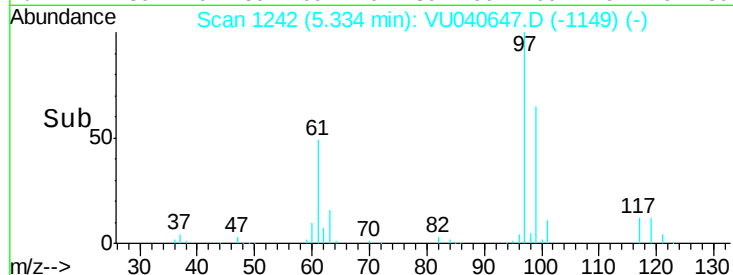
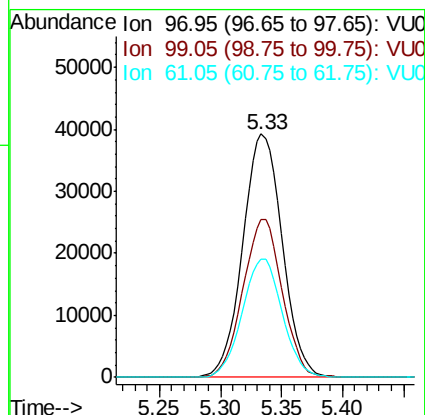
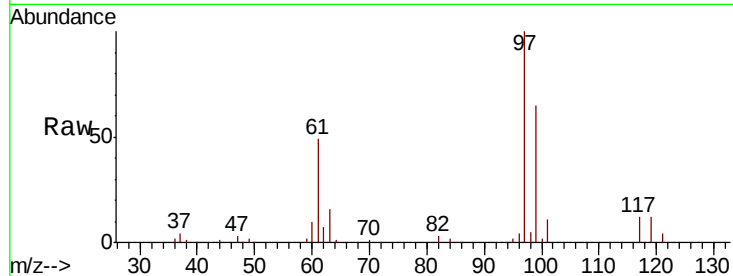




#29
 1,1,1-Trichloroethane
 Concen: 5.051 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

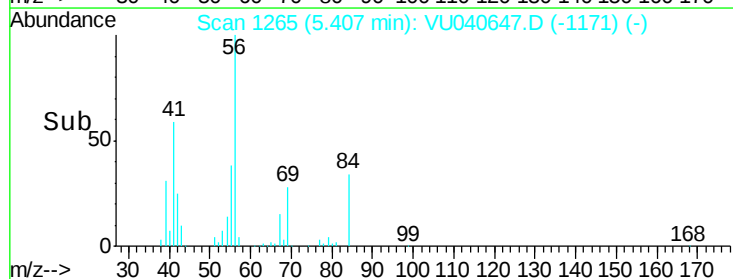
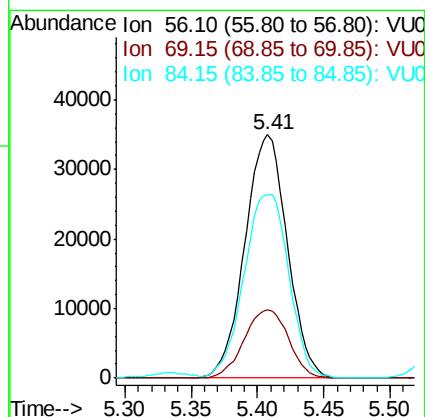
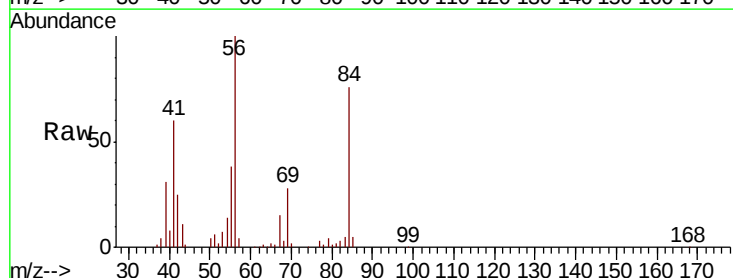
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

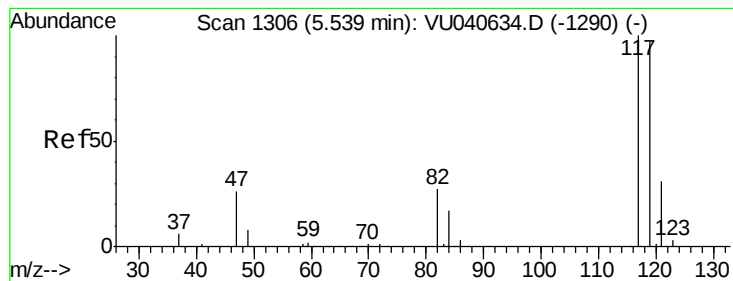
Tot Ion: 97 Resp: 87708
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.3 76.9
 61 49.2 39.4 59.2



#30
 Cyclohexane
 Concen: 4.863 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

Tgt Ion: 56 Resp: 77816
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.8 35.8
 84 80.1 64.0 96.0





#31

Carbon tetrachloride

Concen: 5.019 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

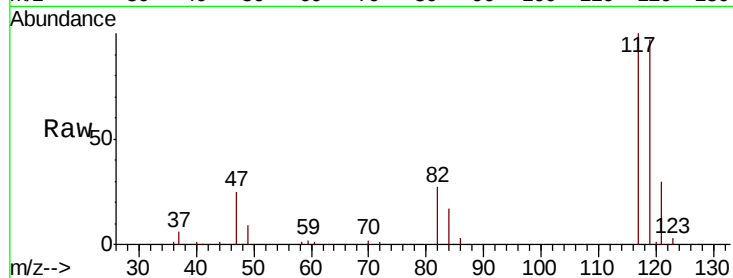
VSTD00527

Tot Ion:117 Resp: 74577

Ion Ratio Lower Upper

117 100

119 97.2 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

40000

30000

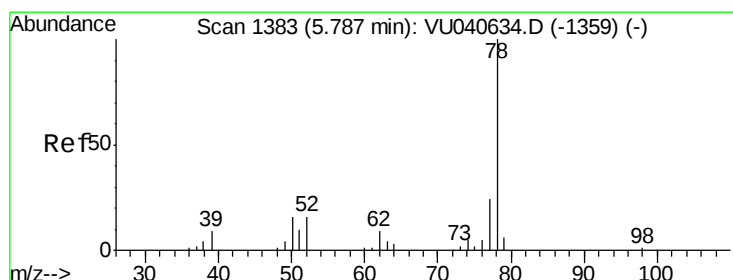
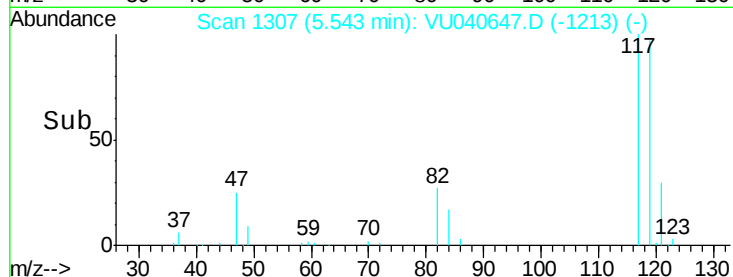
20000

10000

0

Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 5.081 ug/L

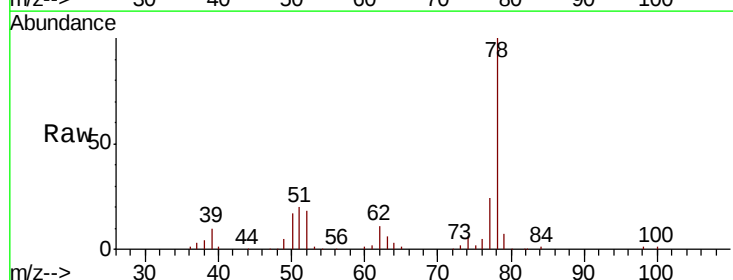
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Tgt Ion: 78 Resp: 210954



Abundance Ion 78.10 (77.80 to 78.80): VU0

120000

100000

80000

60000

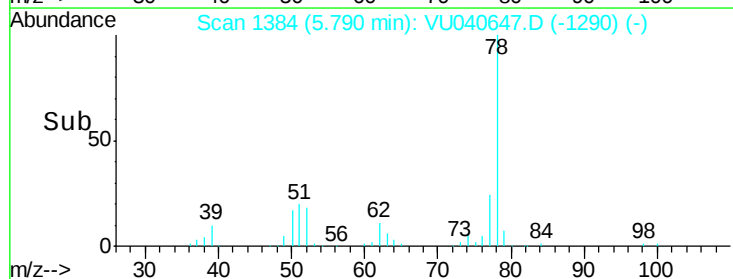
40000

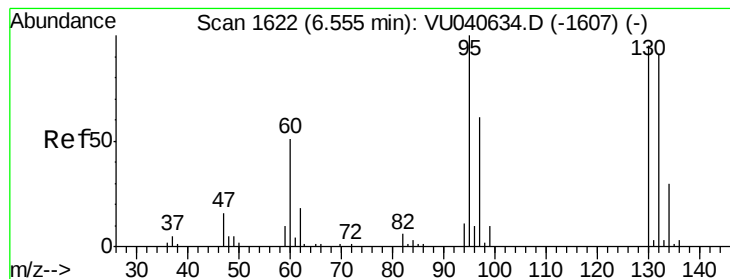
20000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 5.079 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

Tot Ion: 95 Resp: 54652

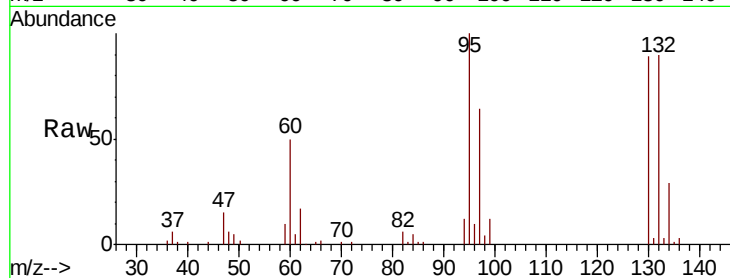
Ion Ratio Lower Upper

95 100

97 63.7 45.5 84.5

132 90.0 67.5 125.4

130 89.4 69.9 129.9

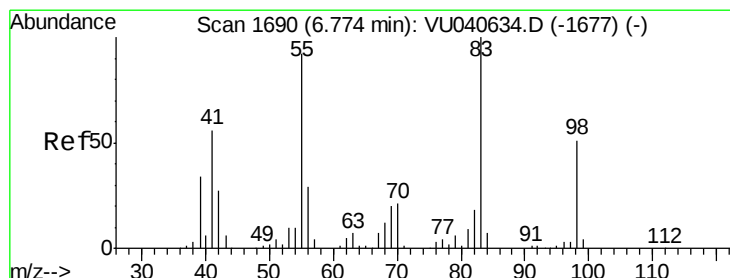
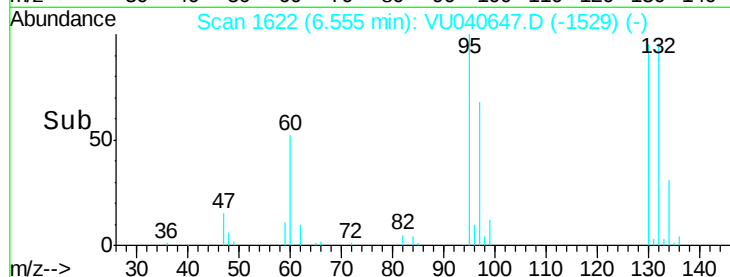
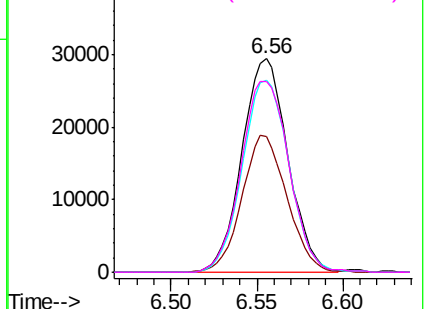


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.697 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

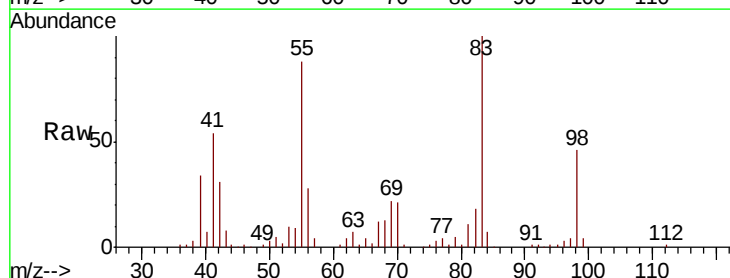
Tgt Ion: 83 Resp: 71680

Ion Ratio Lower Upper

83 100

55 88.4 70.7 106.1

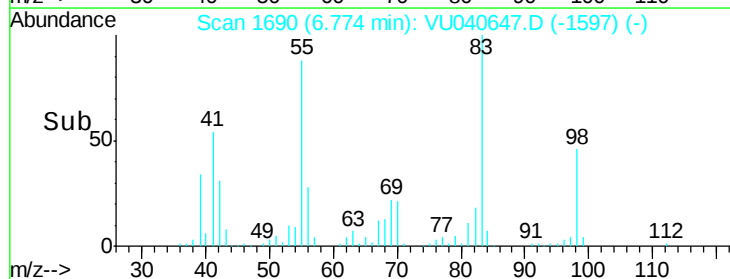
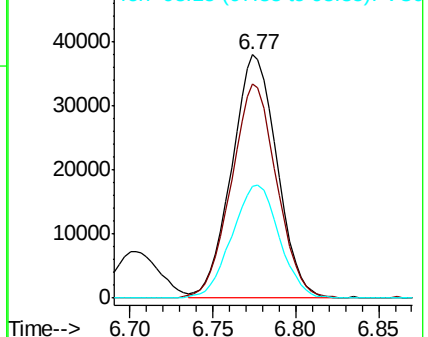
98 48.6 38.4 57.6

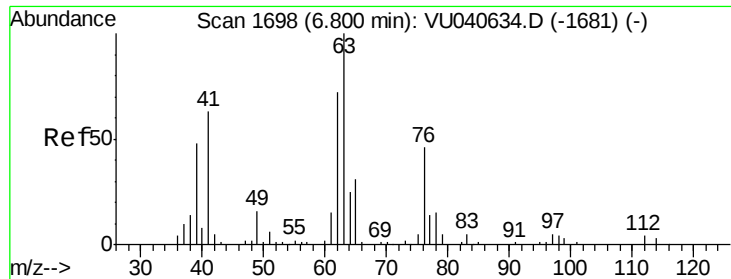


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

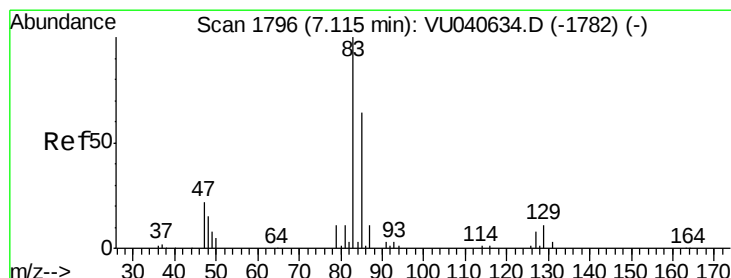
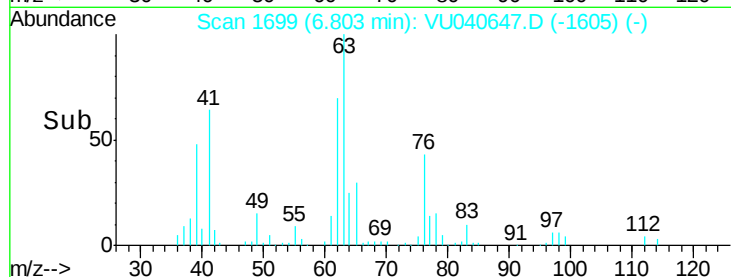
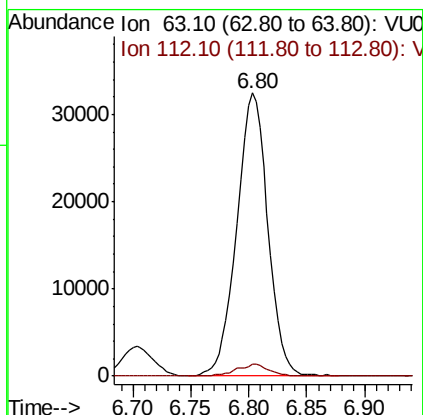
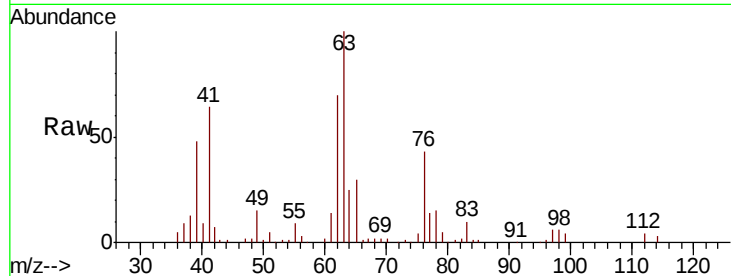




#37
 1,2-Dichloropropane
 Concen: 5.220 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

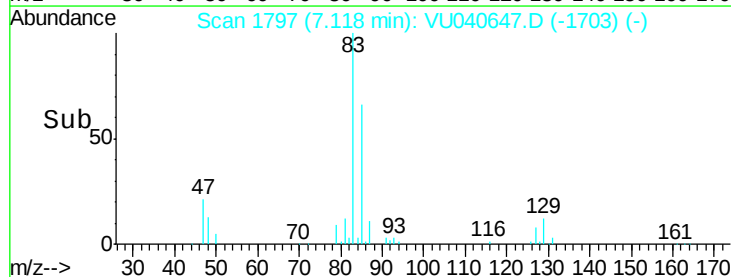
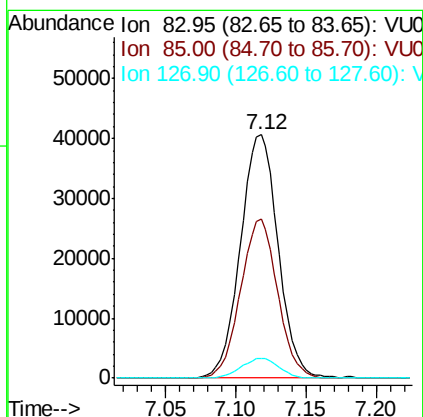
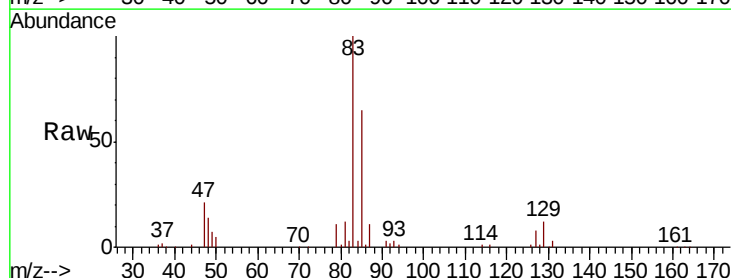
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

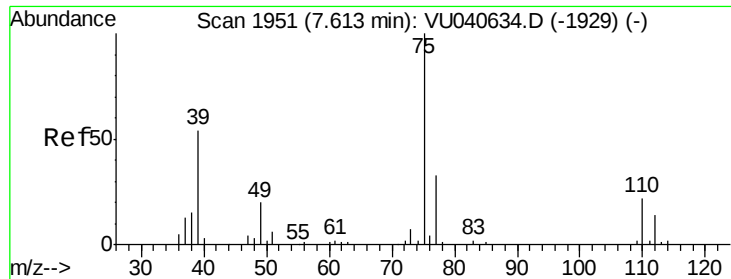
Tot Ion: 63 Resp: 60379
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.147 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

Tgt Ion: 83 Resp: 76104
 Ion Ratio Lower Upper
 83 100
 85 65.4 46.0 85.4
 127 8.1 6.7 10.1

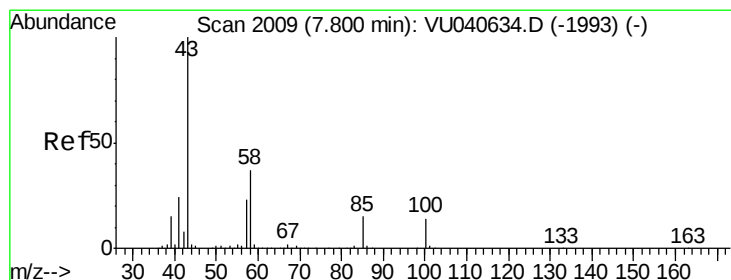
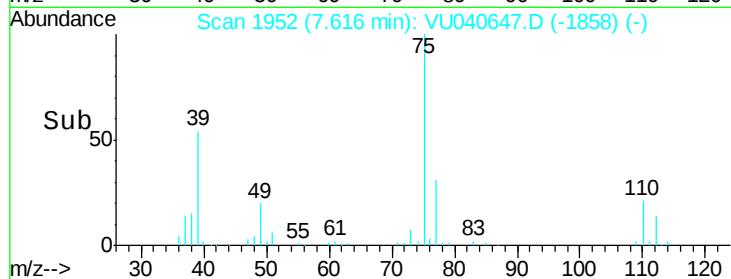
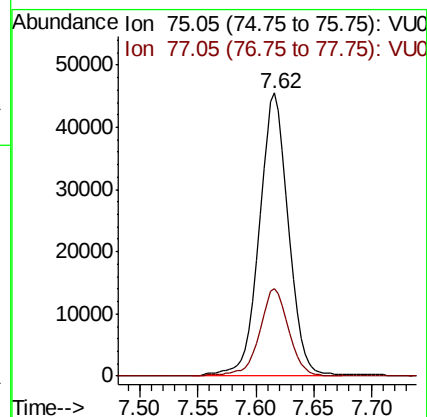
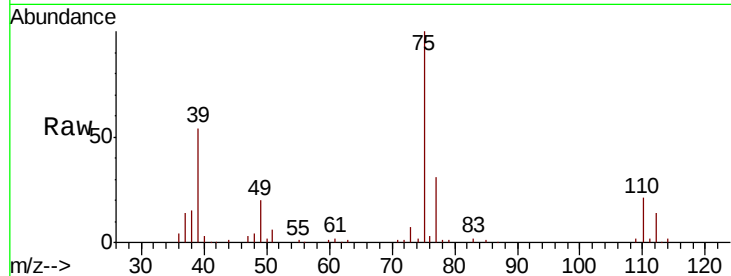




#39
 cis-1,3-Dichloropropene
 Concen: 5.053 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

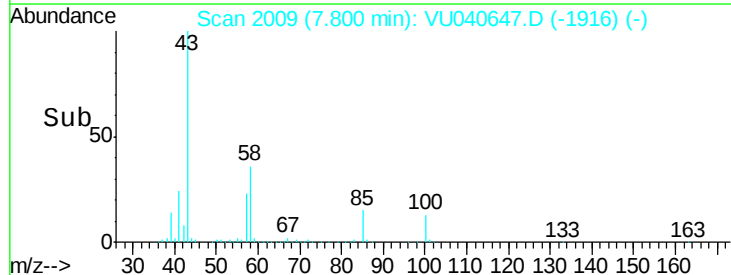
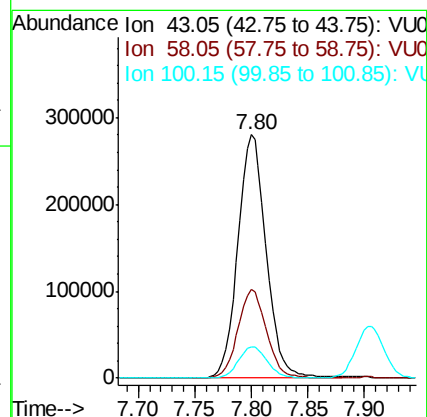
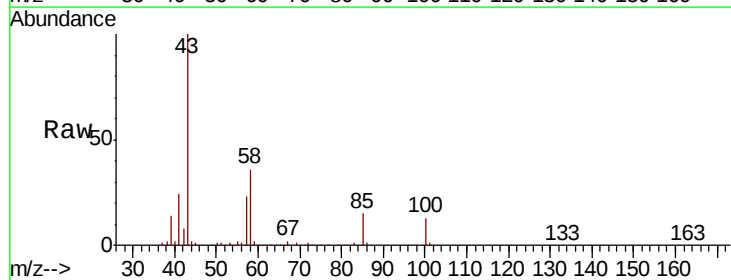
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

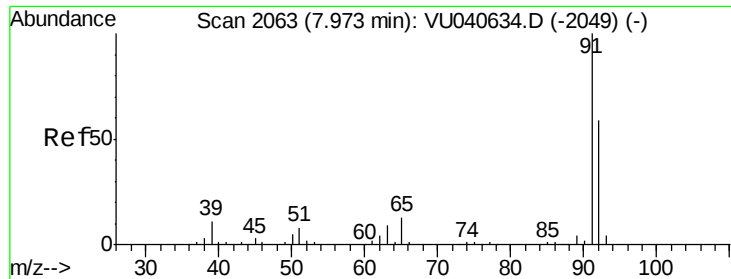
Tot Ion: 75 Resp: 79856
 Ion Ratio Lower Upper
 75 100
 77 31.0 20.5 38.1



#40
 4-Methyl-2-pentanone
 Concen: 53.056 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

Tgt Ion: 43 Resp: 489278
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.7 44.5
 100 13.2 10.7 16.1





#42

Toluene

Concen: 5.199 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

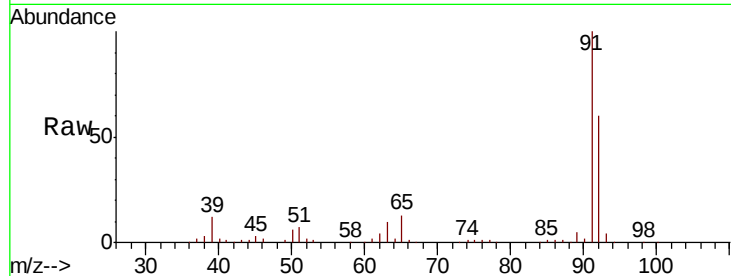
VSTD00527

Tot Ion: 91 Resp: 219956

Ion Ratio Lower Upper

91 100

92 60.0 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040634.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040634.D (-2049) (-)

7.98

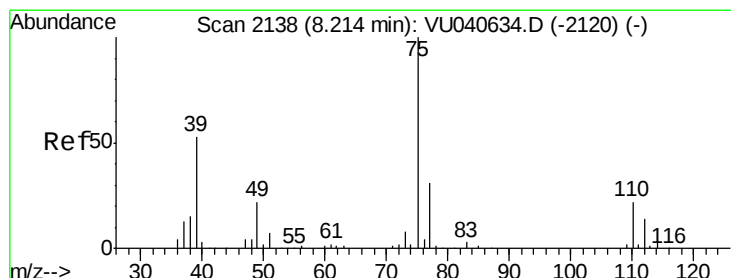
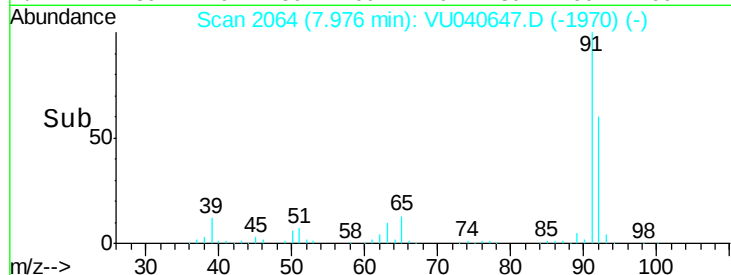
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.166 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040647.D

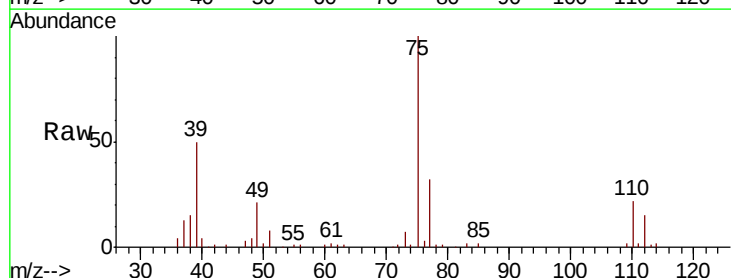
Acq: 10 Oct 2020 20:10

Tgt Ion: 75 Resp: 75158

Ion Ratio Lower Upper

75 100

77 31.5 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040634.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040634.D (-2120) (-)

8.22

50000

40000

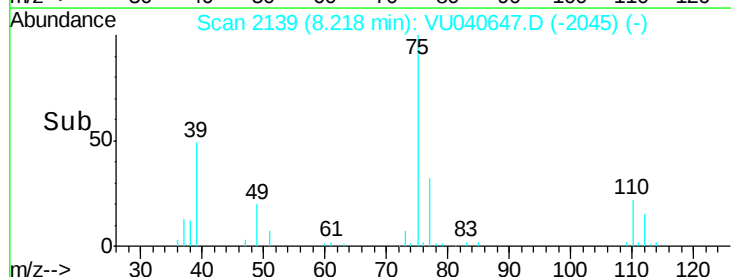
30000

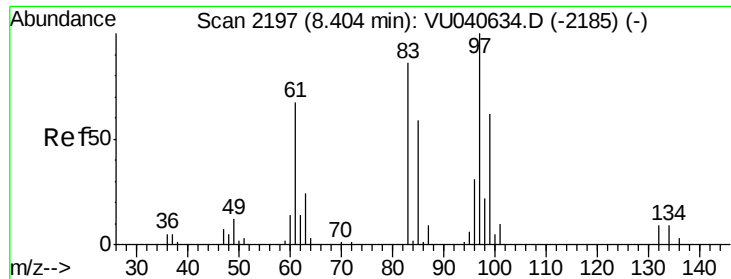
20000

10000

0

Time-->

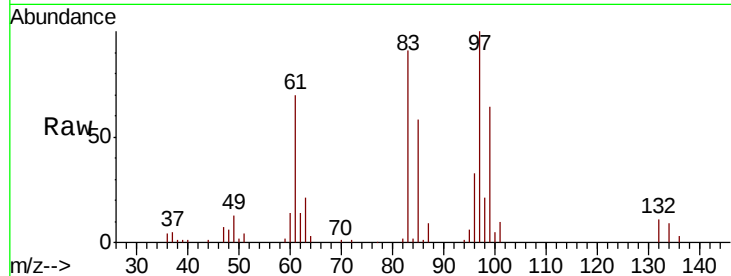




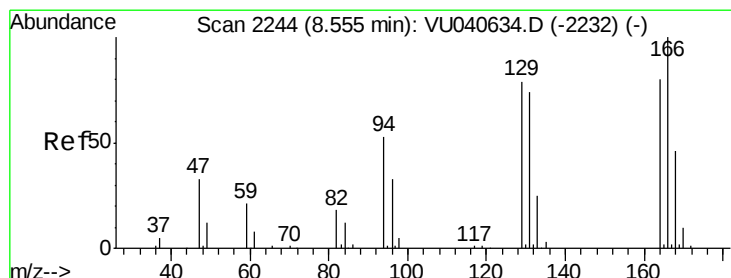
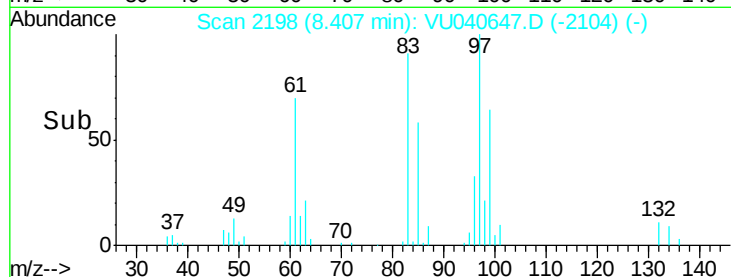
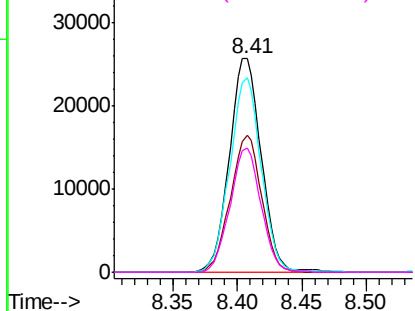
#45
 1,1,2-Trichloroethane
 Concen: 5.092 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:	97	Resp:	44109
Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.0	81.6
83	90.9	62.9	116.9
85	58.1	40.3	74.8

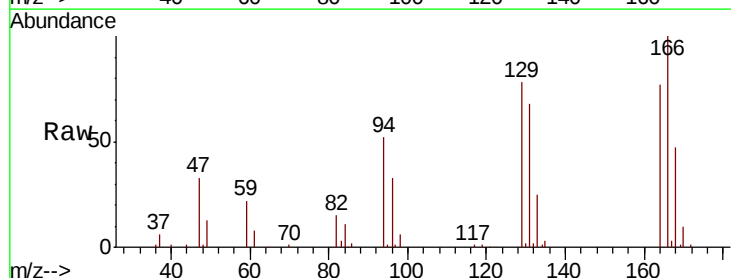


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

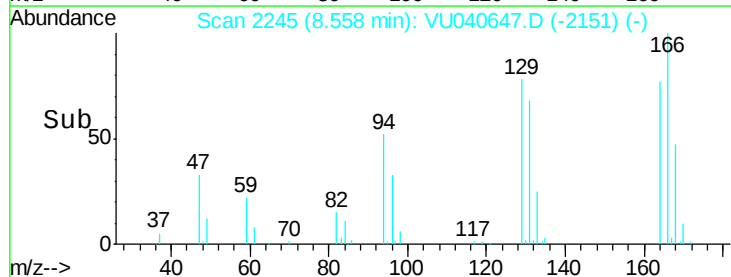
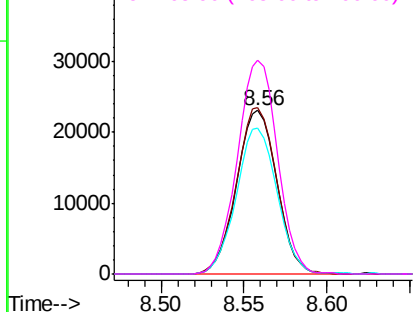


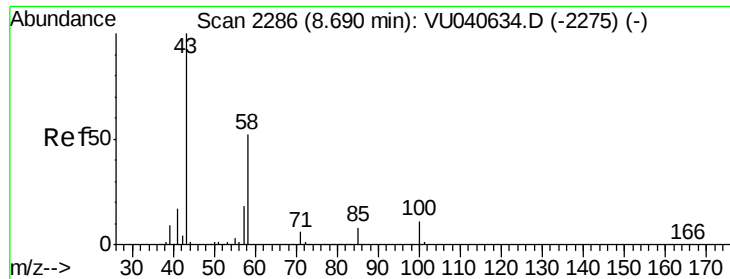
#47
 Tetrachloroethene
 Concen: 5.099 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

Tgt Ion:	164	Resp:	39146
Ion	Ratio	Lower	Upper
164	100		
129	101.8	68.8	127.8
131	88.9	66.7	123.9
166	130.6	83.9	155.7



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

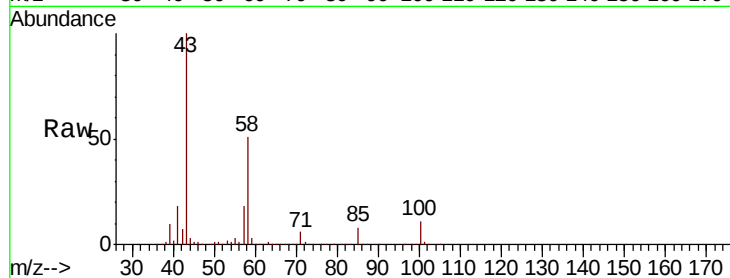




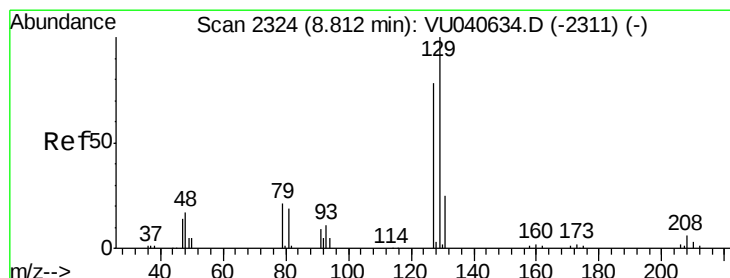
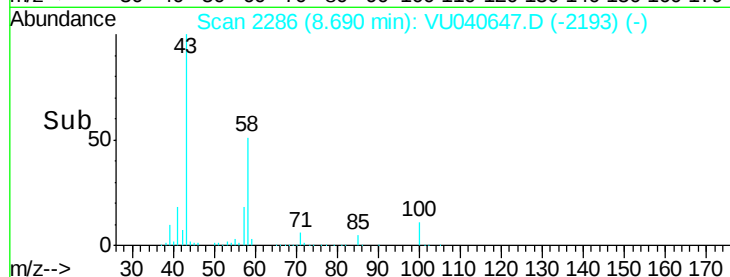
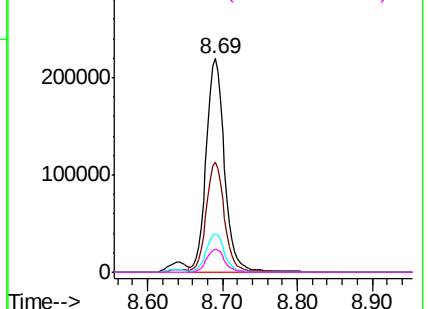
#48
2-Hexanone
Concen: 54.417 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040647.D
Acq: 10 Oct 2020 20:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion: 43 Resp: 373625
Ion Ratio Lower Upper
43 100
58 50.7 41.0 61.6
57 17.7 14.4 21.6
100 10.7 8.6 13.0

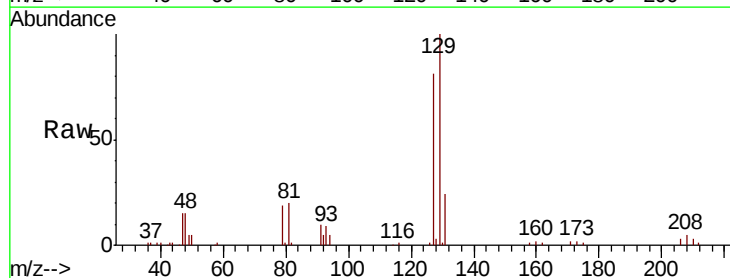


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

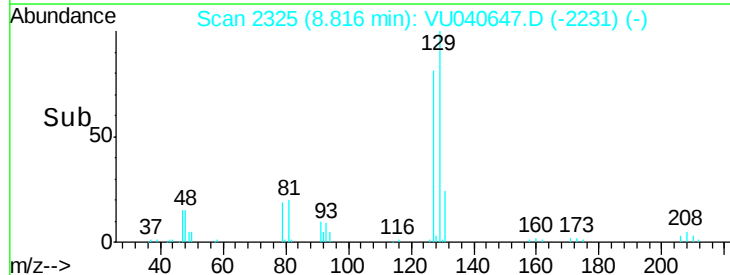
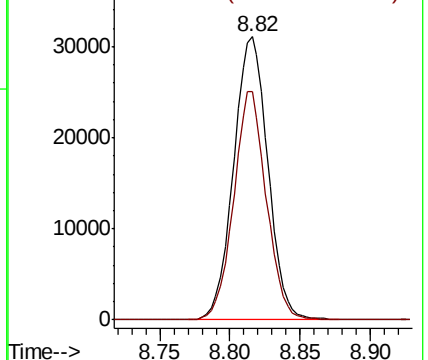


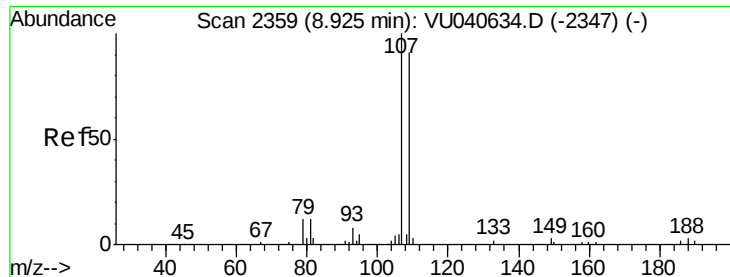
#49
Dibromochloromethane
Concen: 5.309 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040647.D
Acq: 10 Oct 2020 20:10

Tgt Ion: 129 Resp: 52923
Ion Ratio Lower Upper
129 100
127 80.8 55.8 103.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 5.041 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

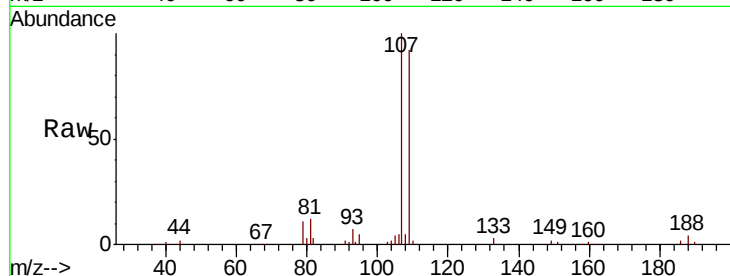
Tot Ion:107 Resp: 41429

Ion Ratio Lower Upper

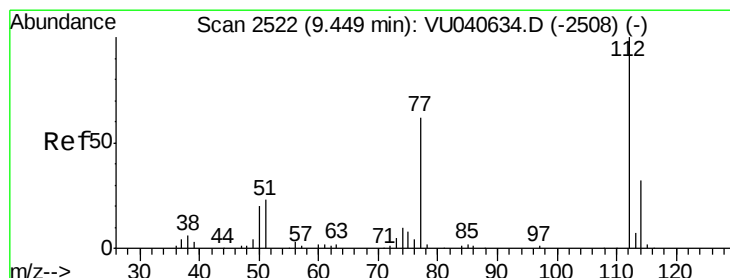
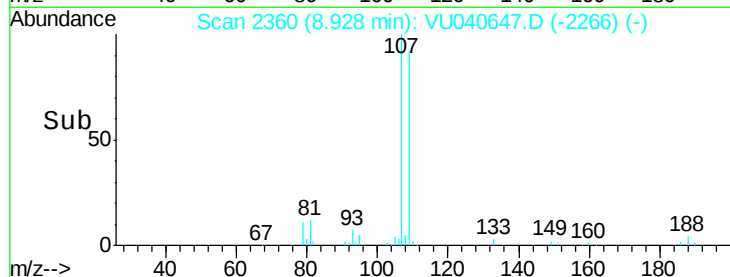
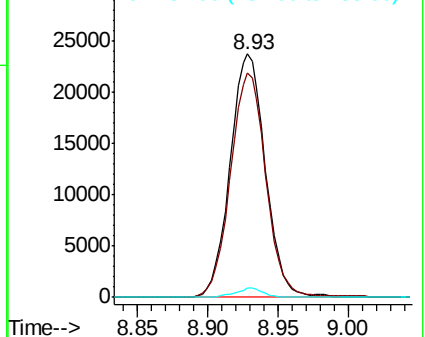
107 100

109 92.0 65.7 121.9

188 3.6 3.0 4.4



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.101 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

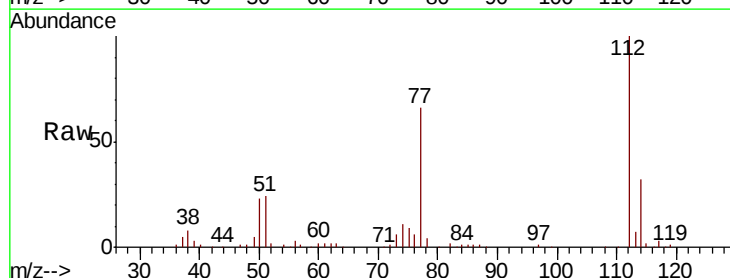
Tgt Ion:112 Resp: 142130

Ion Ratio Lower Upper

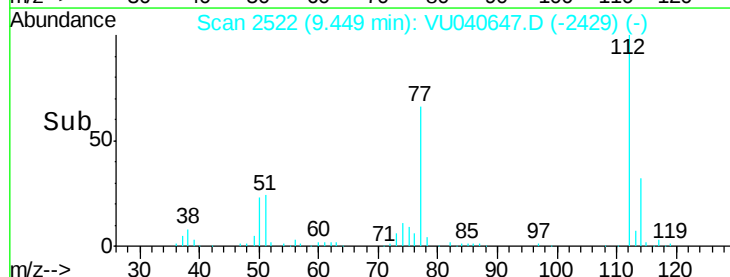
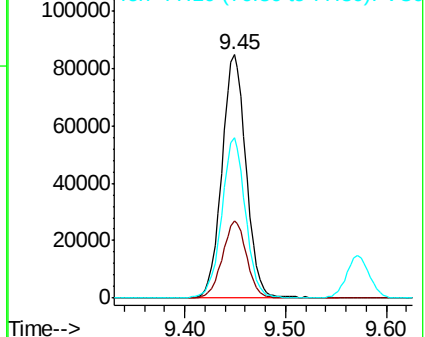
112 100

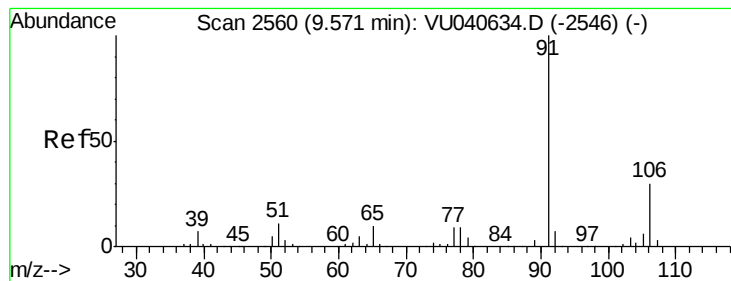
114 31.7 23.1 42.9

77 66.1 50.3 75.5



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: 5.206 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

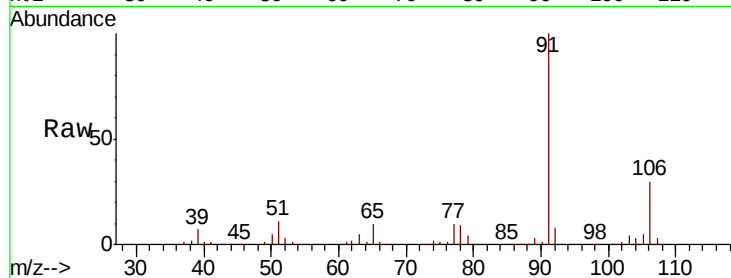
VSTD00527

Tot Ion: 91 Resp: 238352

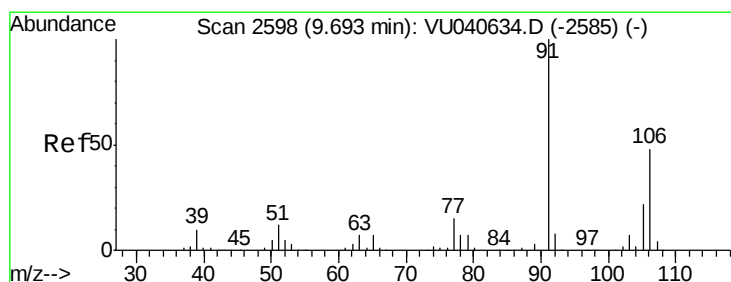
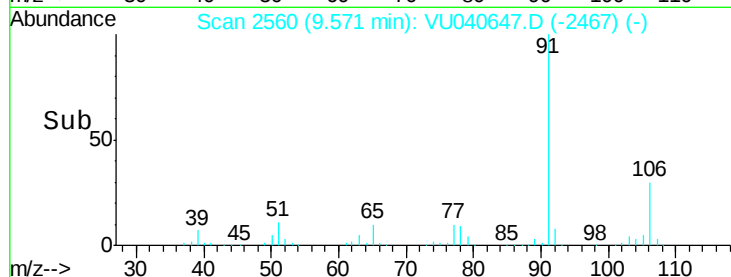
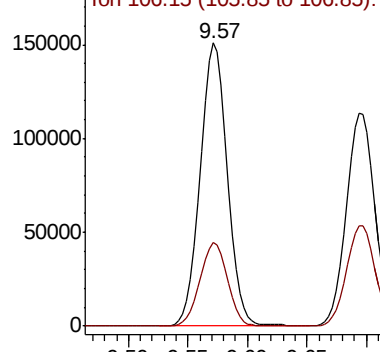
Ion Ratio Lower Upper

91 100

106 29.6 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040634.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.387 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040647.D

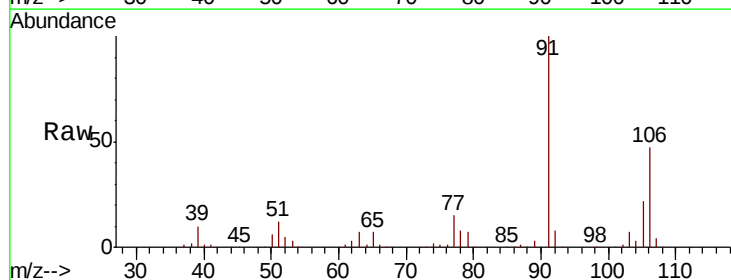
Acq: 10 Oct 2020 20:10

Tgt Ion: 106 Resp: 89896

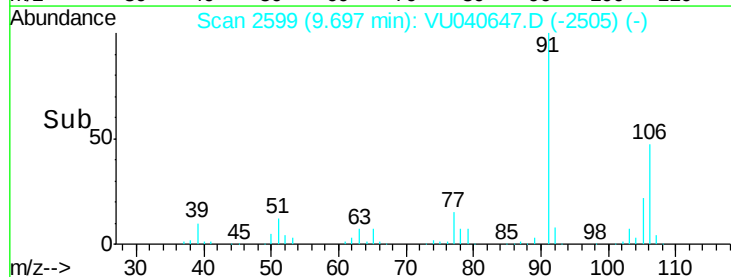
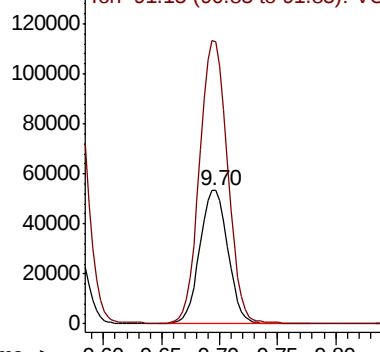
Ion Ratio Lower Upper

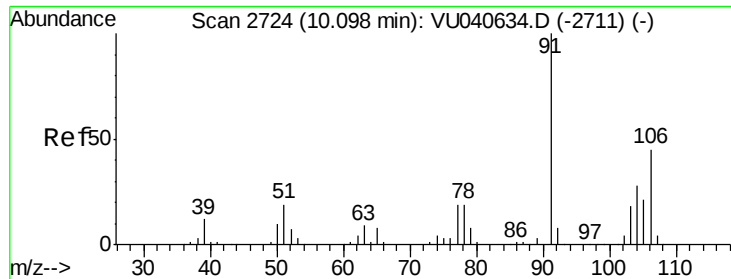
106 100

91 210.9 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040634.D (-2585) (-)

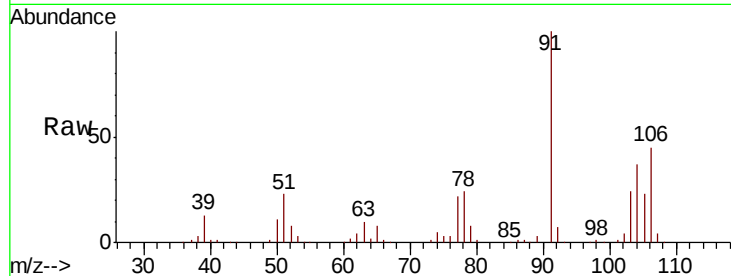




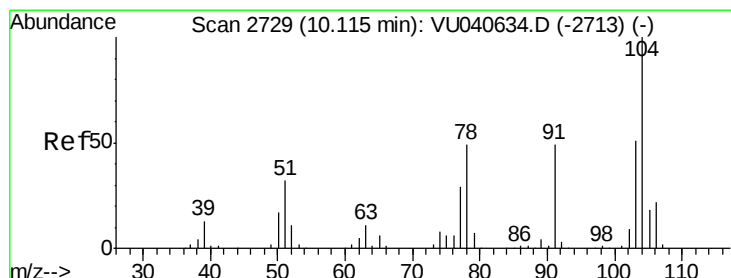
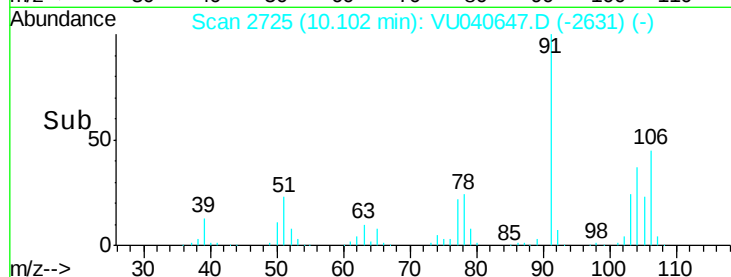
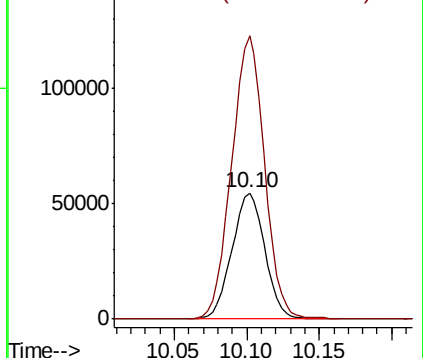
#54
o-Xylene
Concen: 5.378 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040647.D
Acq: 10 Oct 2020 20:10

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion:106 Resp: 86314
Ion Ratio Lower Upper
106 100
91 224.1 160.2 297.4

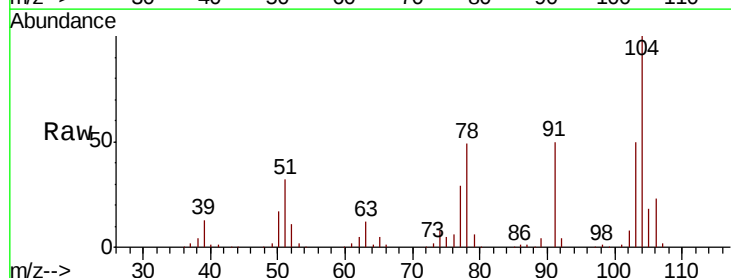


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

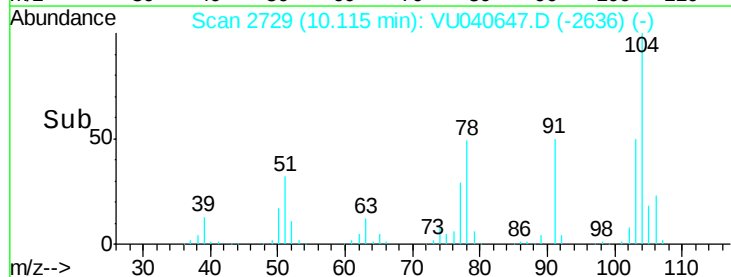
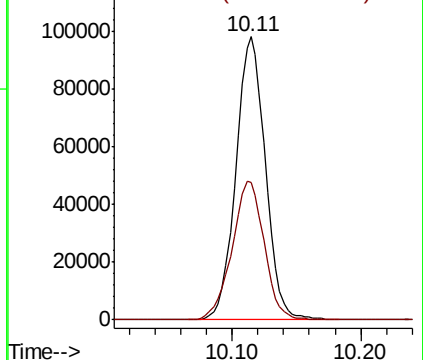


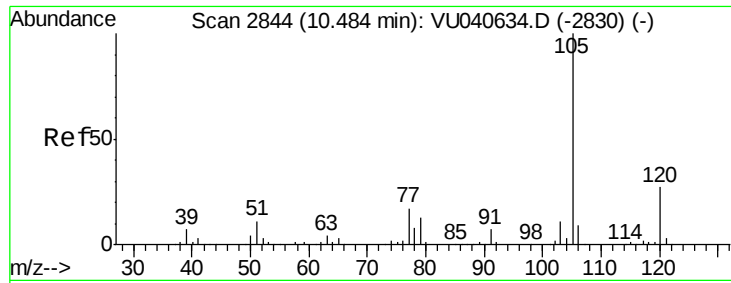
#55
Styrene
Concen: 5.588 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040647.D
Acq: 10 Oct 2020 20:10

Tgt Ion:104 Resp: 155740
Ion Ratio Lower Upper
104 100
78 48.6 34.6 64.3



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





#56

Isopropylbenzene

Concen: 5.355 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

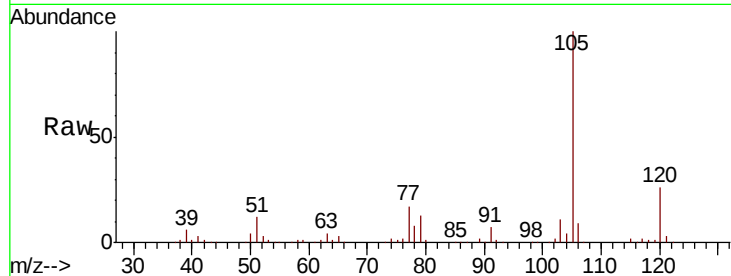
Tot Ion:105 Resp: 231363

Ion Ratio Lower Upper

105 100

120 26.9 20.6 30.8

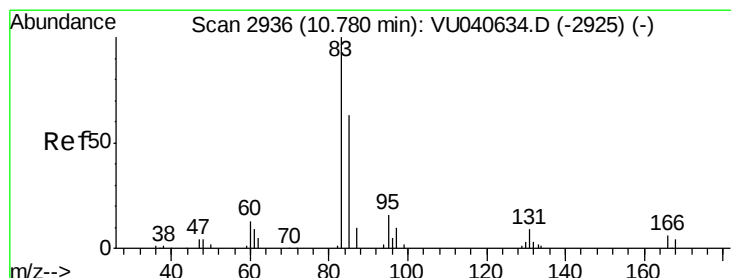
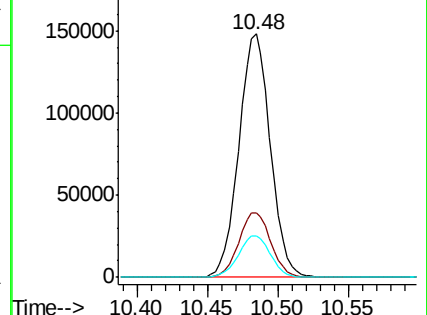
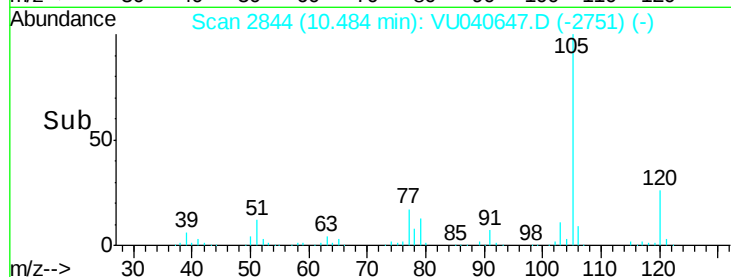
77 17.5 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.186 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

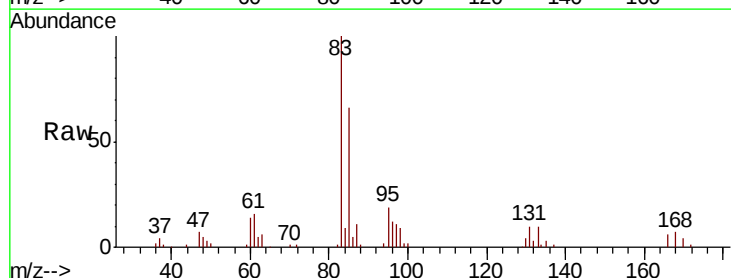
Tgt Ion: 83 Resp: 58990

Ion Ratio Lower Upper

83 100

85 66.1 45.6 84.6

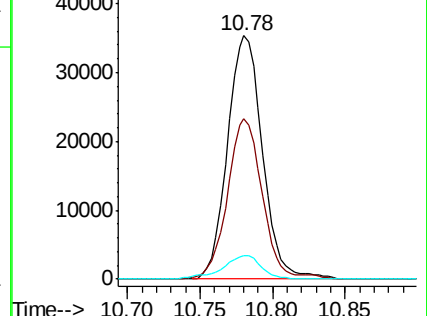
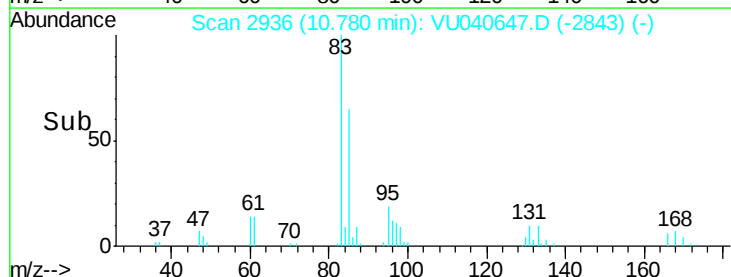
131 9.6 7.1 10.7

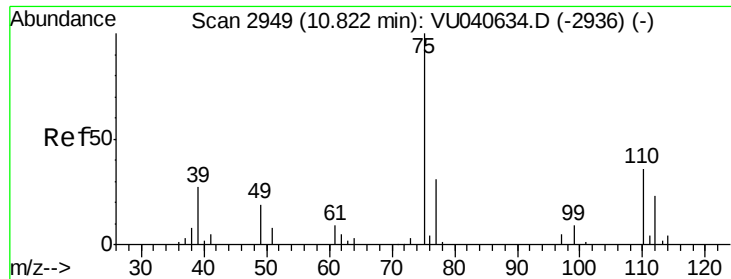


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.104 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

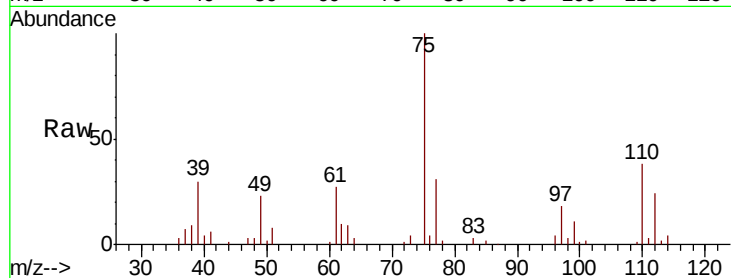
VSTD00527

Tot Ion: 75 Resp: 43364

Ion Ratio Lower Upper

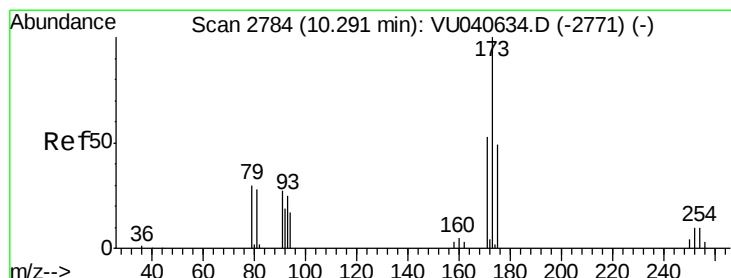
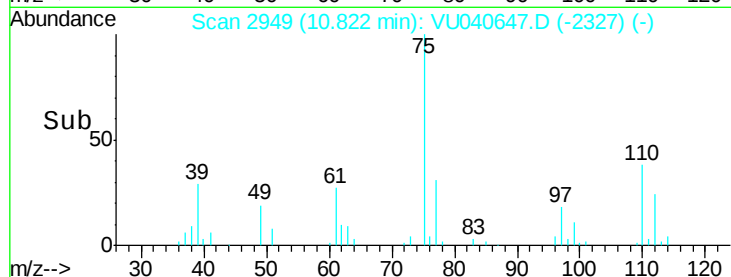
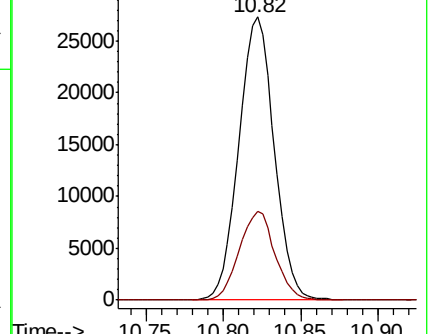
75 100

77 31.5 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040634.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040634.D (-2936) (-)



#61

Bromoform

Concen: 4.968 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

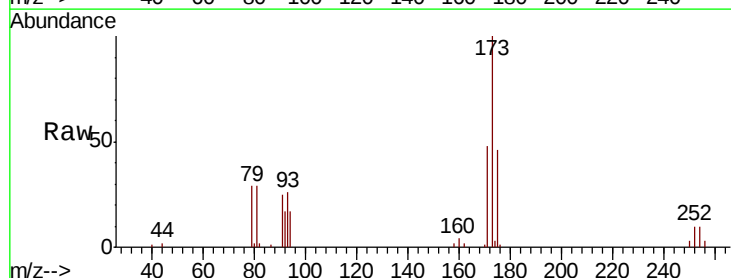
Tgt Ion: 173 Resp: 29539

Ion Ratio Lower Upper

173 100

175 48.3 37.4 56.0

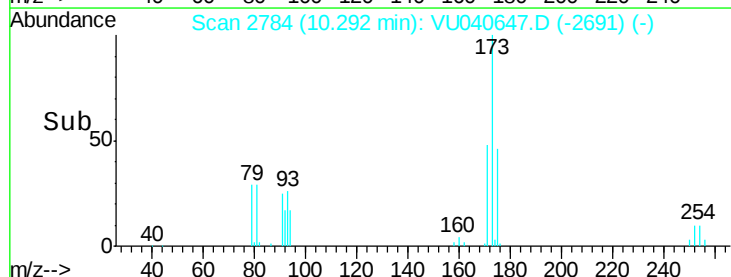
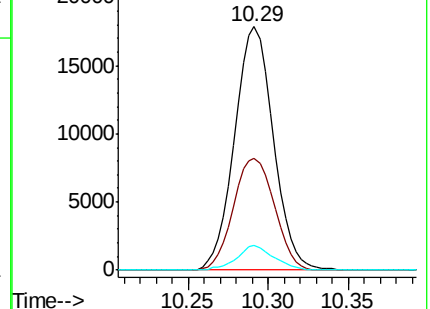
254 9.4 7.4 11.2

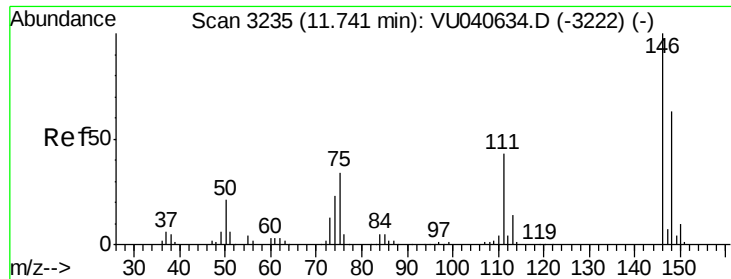


Abundance Ion 172.90 (172.60 to 173.60): VU040634.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040634.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040634.D (-2771) (-)

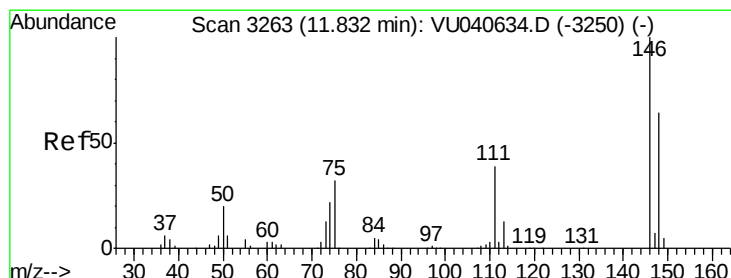
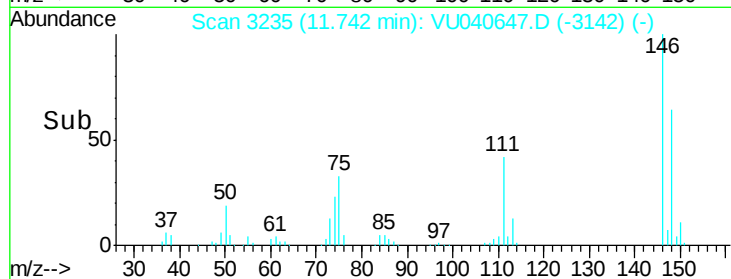
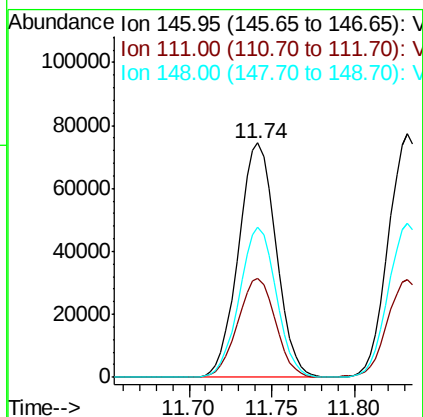
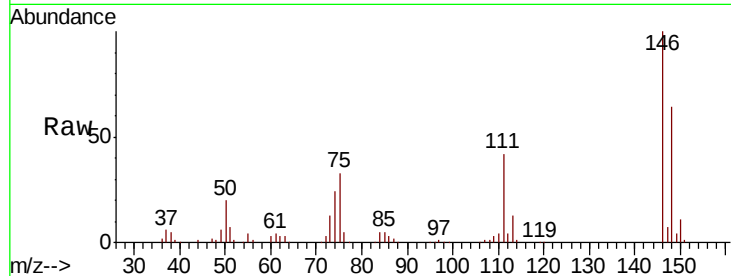




#62
 1,3-Dichlorobenzene
 Concen: 5.176 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

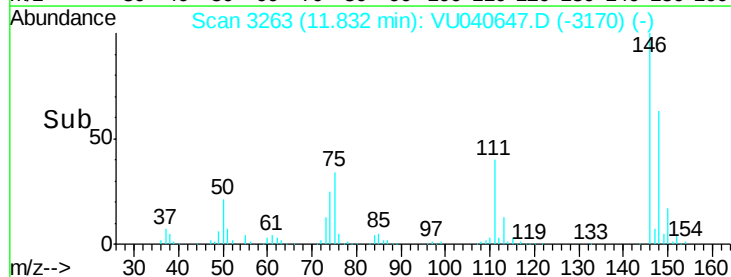
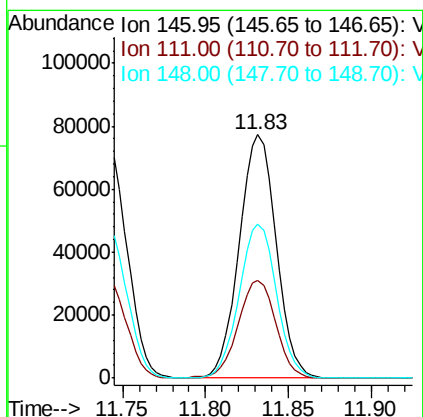
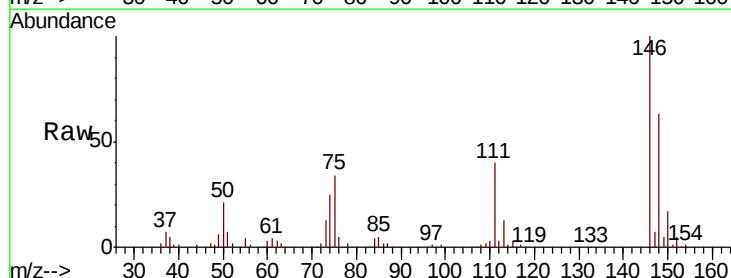
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

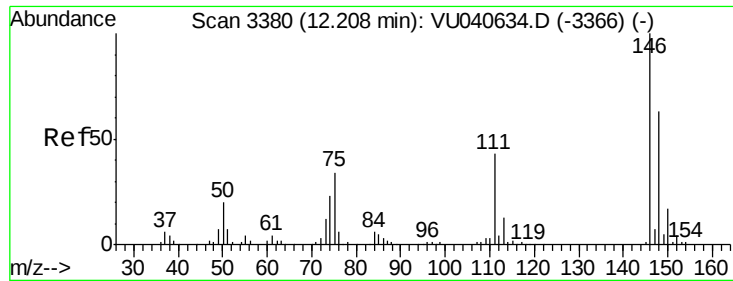
Tot Ion:146 Resp: 117490
 Ion Ratio Lower Upper
 146 100
 111 42.4 28.8 53.6
 148 64.0 44.4 82.4



#63
 1,4-Dichlorobenzene
 Concen: 5.134 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

Tgt Ion:146 Resp: 120174
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.4 52.8
 148 63.1 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 5.202 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

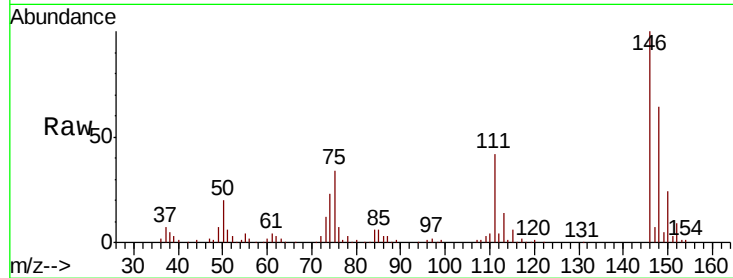
Tot Ion:146 Resp: 115433

Ion Ratio Lower Upper

146 100

111 42.4 34.4 51.6

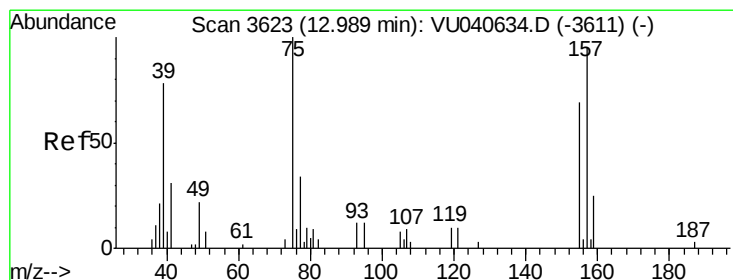
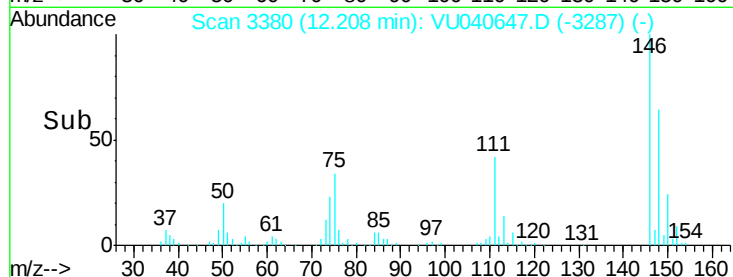
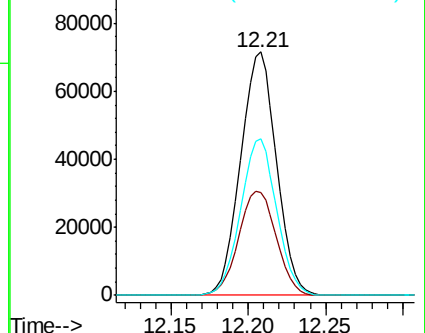
148 64.4 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.035 ug/L

RT: 12.99 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

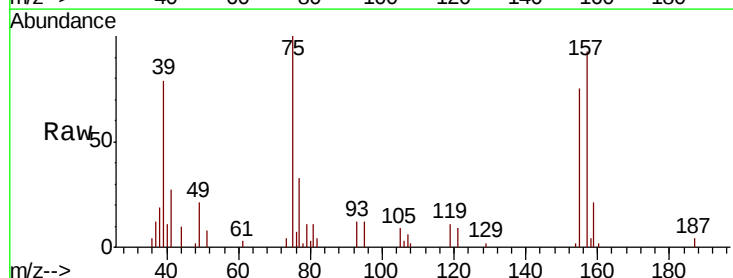
Tgt Ion: 75 Resp: 9783

Ion Ratio Lower Upper

75 100

155 74.9 53.8 80.6

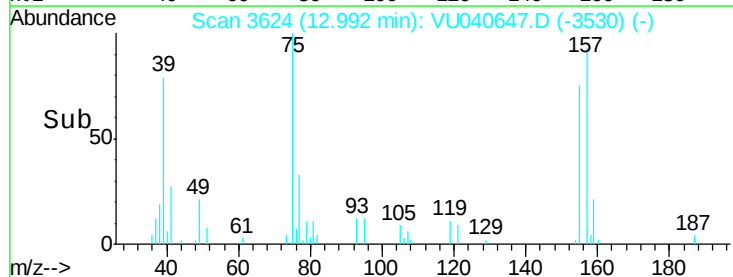
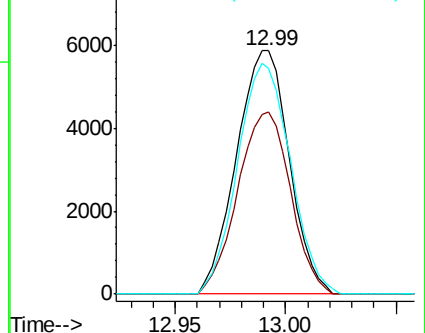
157 92.9 74.6 112.0

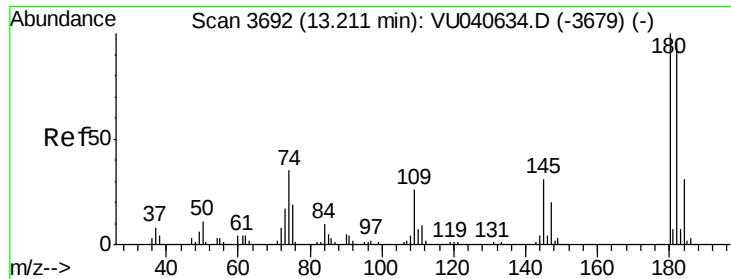


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

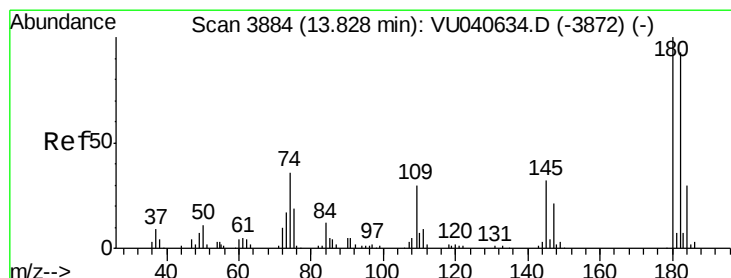
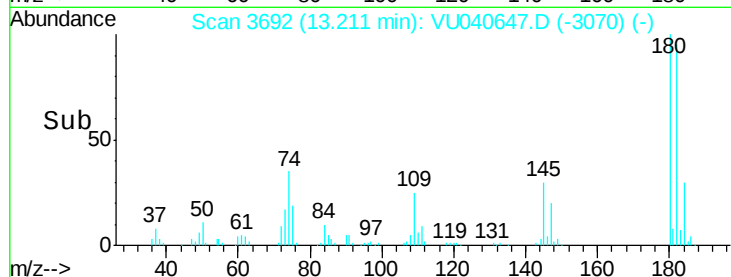
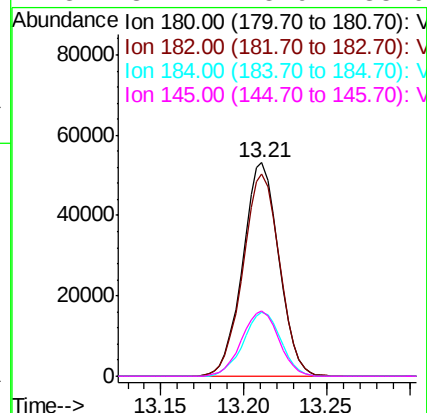
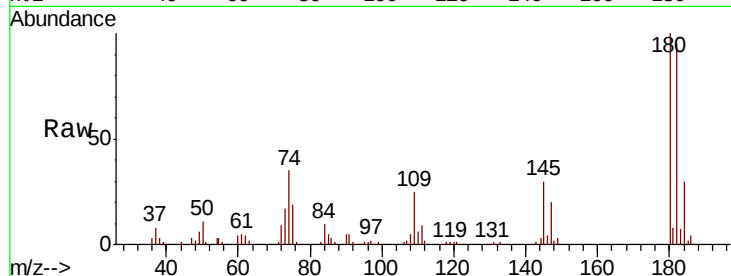




#67
 1,3,5-Trichlorobenzene
 Concen: 5.023 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

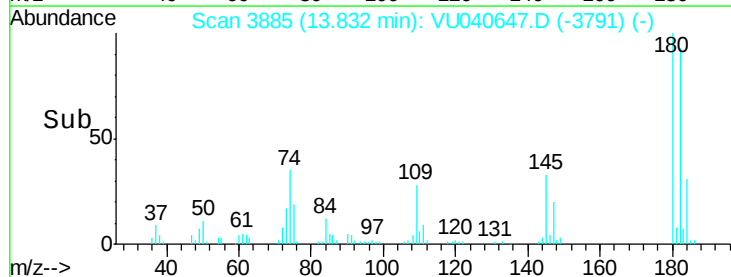
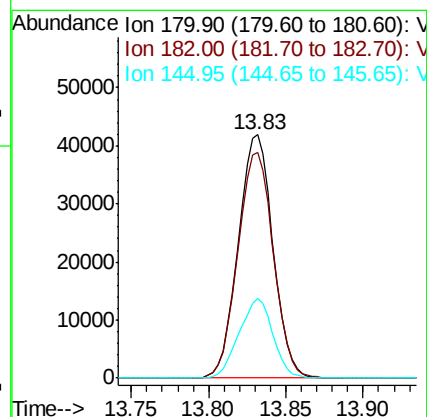
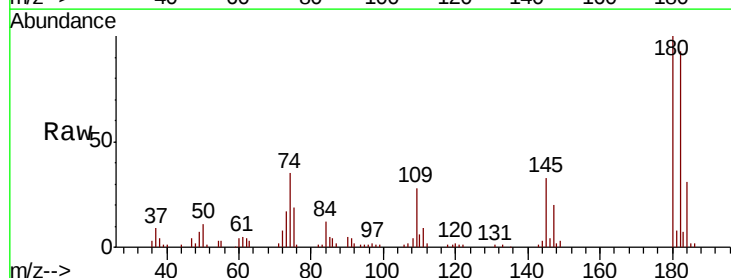
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

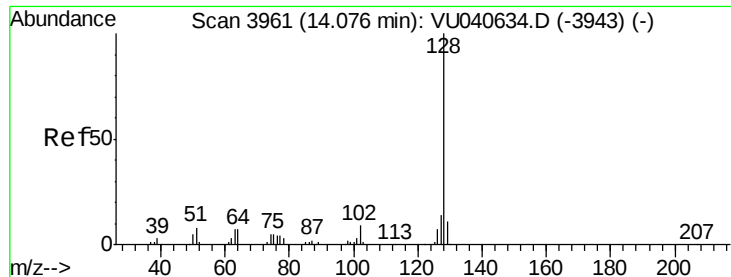
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.4
184	30.7	24.5	36.7
145	31.4	25.9	38.9



#68
 1,2,4-trichlorobenzene
 Concen: 5.226 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040647.D
 Acq: 10 Oct 2020 20:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	78.8	118.2
145	31.9	26.1	39.1





#69

Naphthalene

Concen: 5.165 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

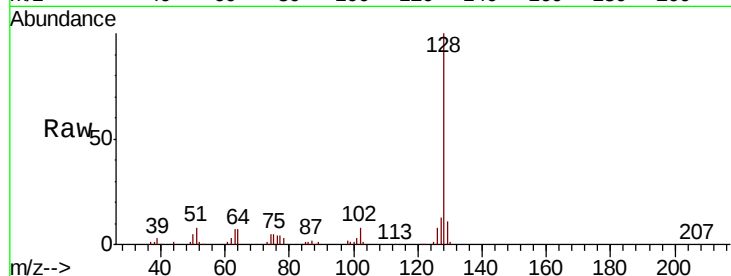
Tot Ion:128 Resp: 105139

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

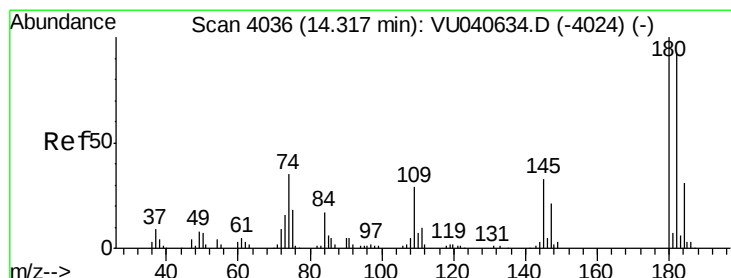
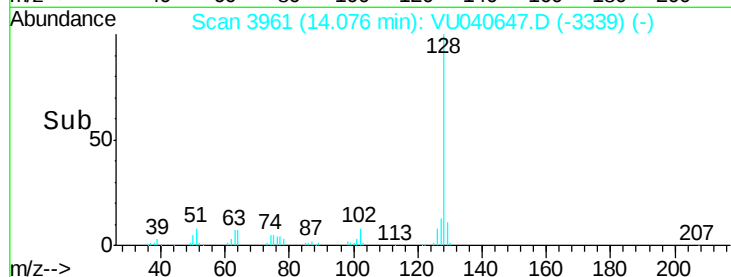
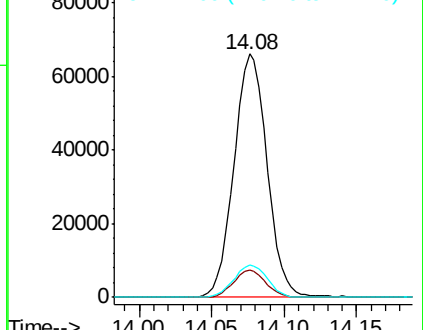
127 13.5 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.351 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040647.D

Acq: 10 Oct 2020 20:10

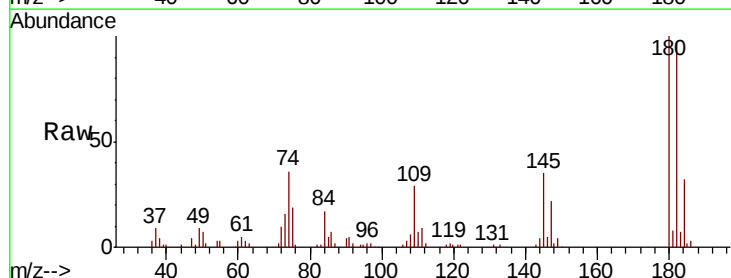
Tgt Ion:180 Resp: 61834

Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.8

145 34.2 27.4 41.2



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

