

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101320\
 Data File : VU040673.D
 Acq On : 13 Oct 2020 10:47
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Oct 14 05:58:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 13 16:07:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	129830	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127636	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	67410	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46458	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.92	69	39554	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.58	63	97677	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.80%
20) 2-Butanone-d5	4.66	46	193176	56.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.22%
24) Chloroform-d	5.08	84	99294	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.72	65	58560	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.74	84	177794	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.70	67	60191	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.90	98	159246	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	8.19	79	25661	5.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.00%
46) 2-Hexanone-d5	8.64	63	142079	56.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56592	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	61977	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	61216	5.204	ug/L 99
3) Chloromethane	1.53	50	52517	4.774	ug/L 96
5) Vinyl chloride	1.61	62	55633	4.802	ug/L 99
6) Bromomethane	1.87	94	28143	4.474	ug/L 95
8) Chloroethane	1.94	64	35899	4.867	ug/L 95
9) Trichlorofluoromethane	2.15	101	84490	5.079	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	55698	5.157	ug/L 98
12) 1,1-Dichloroethene	2.59	96	47067	5.081	ug/L 95
13) Acetone	2.67	43	136534	51.166	ug/L 96
14) Carbon disulfide	2.81	76	117641	4.537	ug/L 98
15) Methyl Acetate	2.97	43	31229	5.125	ug/L 100
16) Methylene chloride	3.06	84	56577	4.757	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	132842	5.071	ug/L 100
18) trans-1,2-Dichloroethene	3.37	96	46895	4.836	ug/L 99
19) 1,1-Dichloroethane	3.89	63	103705	5.171	ug/L 99
21) 2-Butanone	4.74	43	218880	52.612	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	54225	5.185	ug/L 95

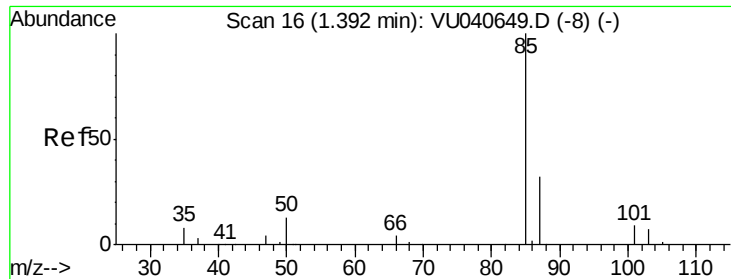
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101320\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26540	5.108	ug/L	92
25) Chloroform	5.11	83	110830	5.413	ug/L	97
27) 1,2-Dichloroethane	5.81	62	74283	5.126	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	92053	5.367	ug/L	99
30) Cyclohexane	5.40	56	77130	4.880	ug/L	99
31) Carbon tetrachloride	5.54	117	77383	5.272	ug/L	98
33) Benzene	5.79	78	213203	5.199	ug/L	100
34) Trichloroethene	6.55	95	54882	5.163	ug/L	98
35) Methylcyclohexane	6.77	83	73061	4.847	ug/L	99
37) 1,2-Dichloropropane	6.80	63	61450	5.378	ug/L	99
38) Bromodichloromethane	7.11	83	78328	5.363	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	81407	5.215	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	490544	53.854	ug/L	99
42) Toluene	7.98	91	228889	5.478	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	75922	5.283	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	44856	5.242	ug/L	98
47) Tetrachloroethene	8.56	164	40609	5.355	ug/L	97
48) 2-Hexanone	8.69	43	374304	55.193	ug/L	100
49) Dibromochloromethane	8.82	129	54589	5.544	ug/L	97
50) 1,2-Dibromoethane	8.93	107	42033	5.178	ug/L	98
51) Chlorobenzene	9.45	112	146706	5.330	ug/L	97
52) Ethylbenzene	9.57	91	236303	5.226	ug/L	98
53) m,p-Xylene	9.70	106	91689	5.563	ug/L	99
54) o-Xylene	10.10	106	85174	5.373	ug/L	99
55) Styrene	10.11	104	158557	5.760	ug/L	99
56) Isopropylbenzene	10.48	105	235152	5.511	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	60519	5.387	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	43674	5.204	ug/L	99
61) Bromoform	10.29	173	29662	5.133	ug/L	96
62) 1,3-Dichlorobenzene	11.74	146	118674	5.379	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	120077	5.278	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	114541	5.310	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9381	4.967	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	80586	5.148	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	64278	5.314	ug/L	96
69) Naphthalene	14.08	128	99364	5.022	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	60698	5.404	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.204 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

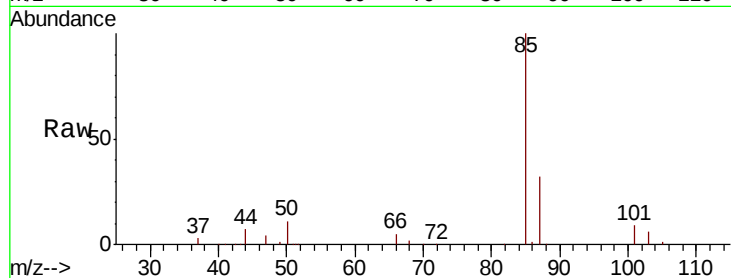
VSTD00530

Tot Ion: 85 Resp: 61216

Ion Ratio Lower Upper

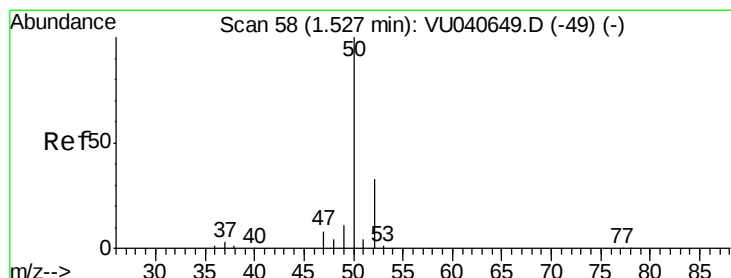
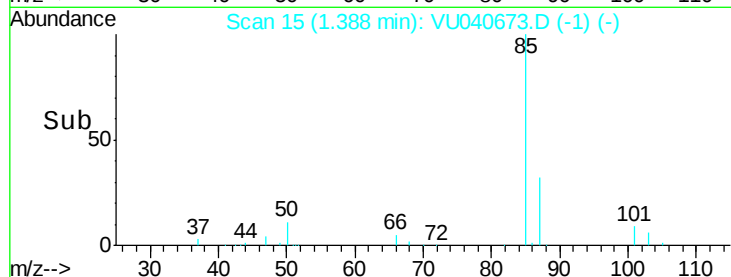
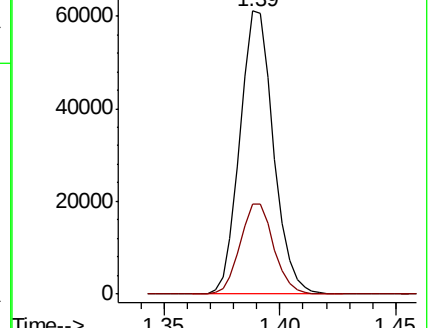
85 100

87 32.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU040673.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU040673.D (-1) (-)



#3

Chloromethane

Concen: 4.774 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040673.D

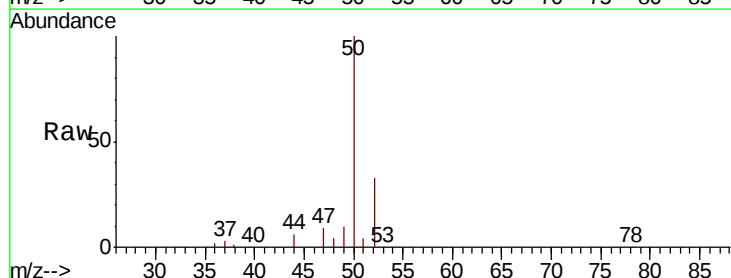
Acq: 13 Oct 2020 10:47

Tgt Ion: 50 Resp: 52517

Ion Ratio Lower Upper

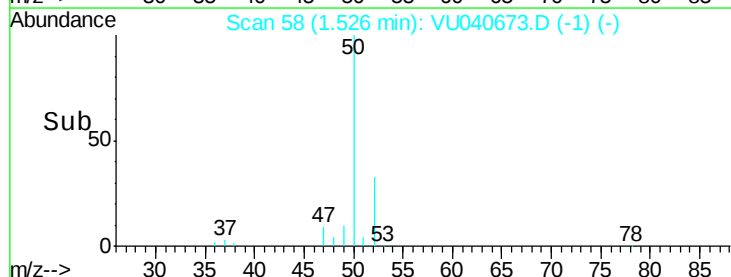
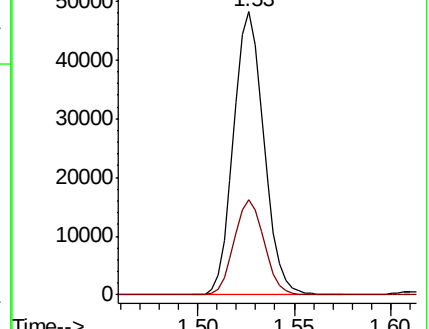
50 100

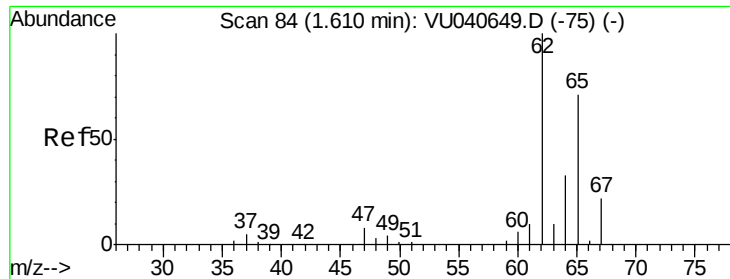
52 33.5 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040673.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040673.D (-1) (-)





#5

Vinyl chloride

Concen: 4.802 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

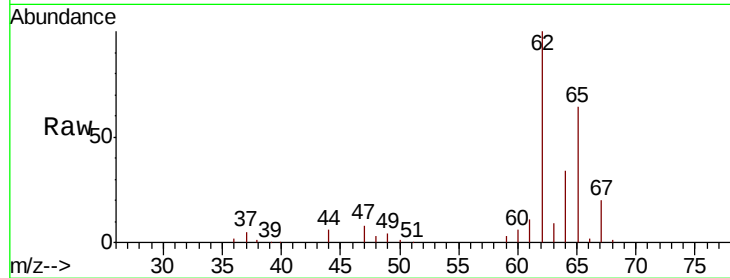
VSTD00530

Tot Ion: 62 Resp: 55633

Ion Ratio Lower Upper

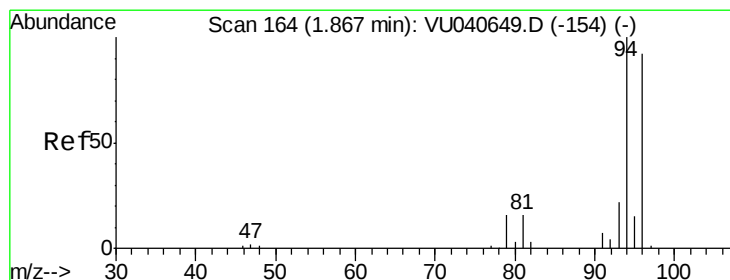
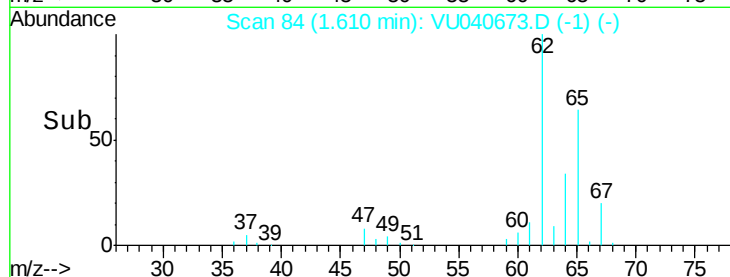
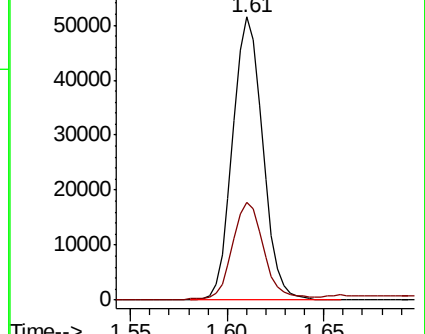
62 100

64 34.4 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: 4.474 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040673.D

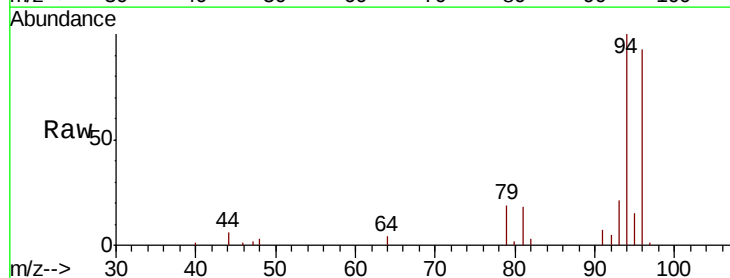
Acq: 13 Oct 2020 10:47

Tgt Ion: 94 Resp: 28143

Ion Ratio Lower Upper

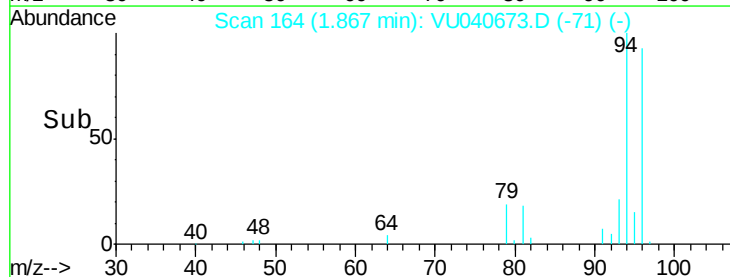
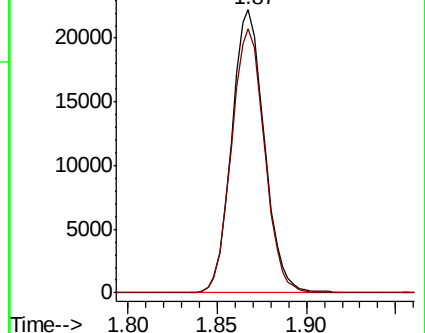
94 100

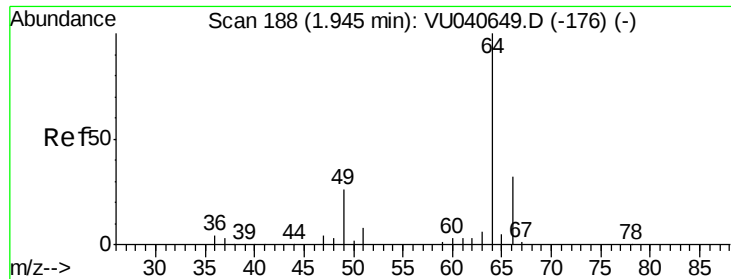
96 93.2 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

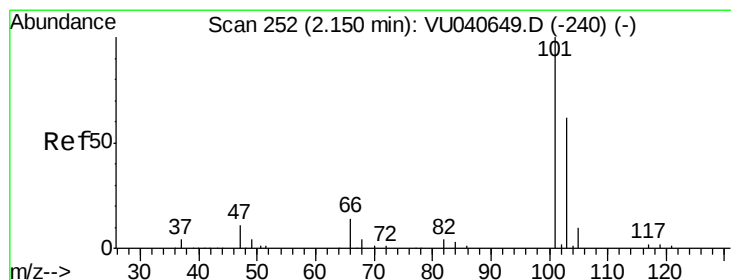
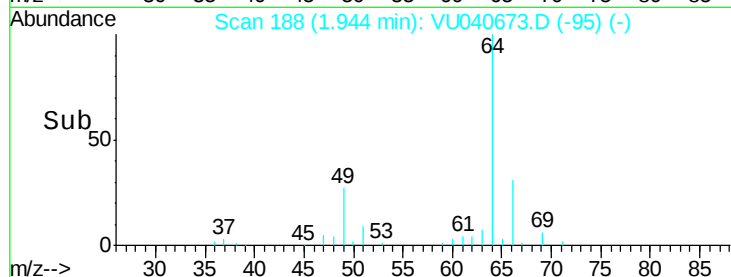
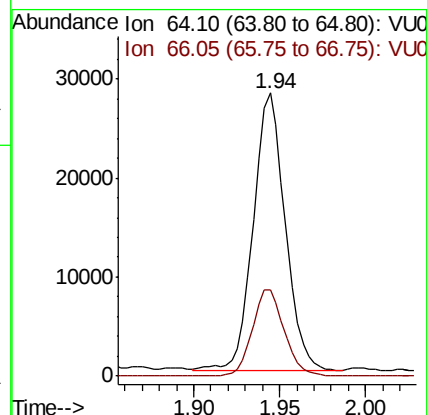
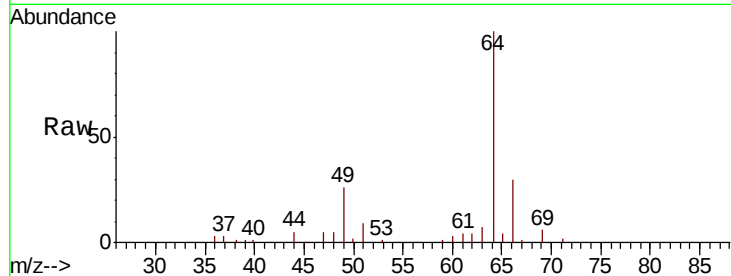




#8
 Chloroethane
 Concen: 4.867 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

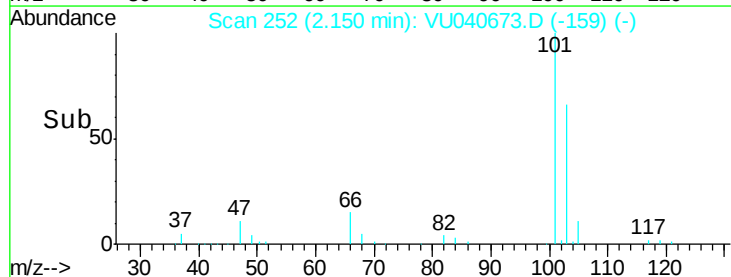
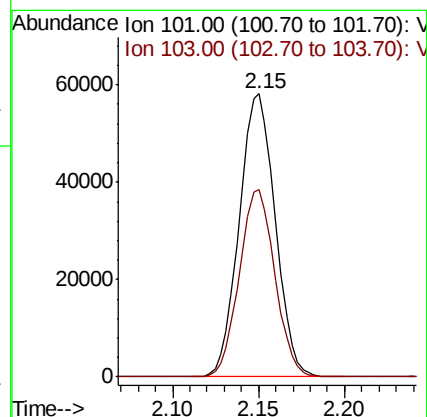
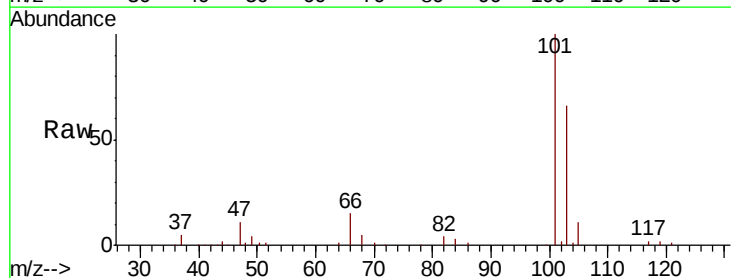
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

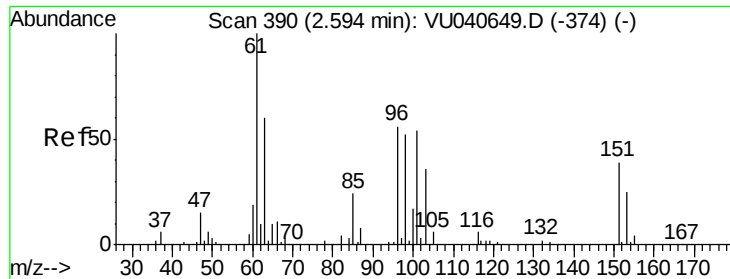
Tot Ion: 64 Resp: 35899
 Ion Ratio Lower Upper
 64 100
 66 30.4 23.3 43.3



#9
 Trichlorofluoromethane
 Concen: 5.079 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

Tgt Ion:101 Resp: 84490
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.2 78.4





#10

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

Concen: 5.157 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

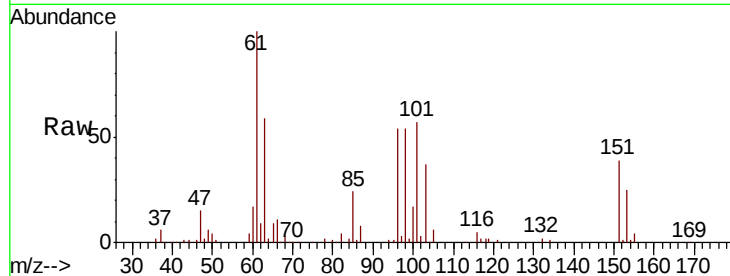
Tot Ion:101 Resp: 55698

Ion Ratio Lower Upper

101 100

85 43.5 36.7 55.1

151 71.9 58.0 87.0

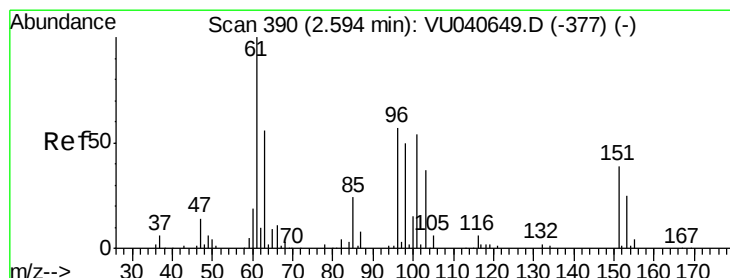
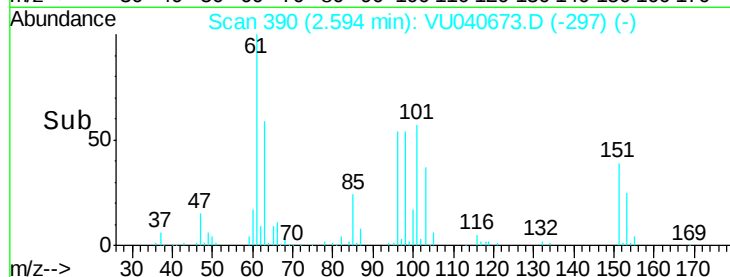


Abundance Ion 101.00 (100.70 to 101.70): VU040649.D (-374) (-)

Ion 85.00 (84.70 to 85.70): VU040649.D (-374) (-)

Ion 151.00 (150.70 to 151.70): VU040649.D (-374) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 5.081 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

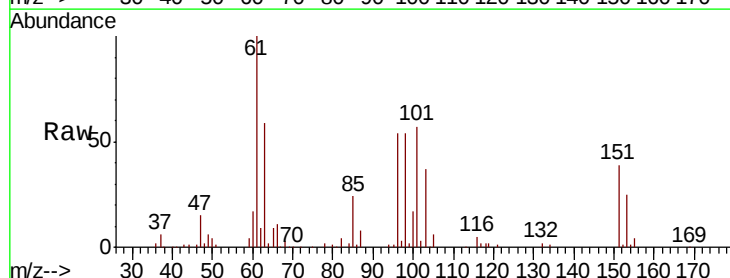
Tgt Ion: 96 Resp: 47067

Ion Ratio Lower Upper

96 100

61 185.6 128.8 239.2

63 109.7 84.6 157.2

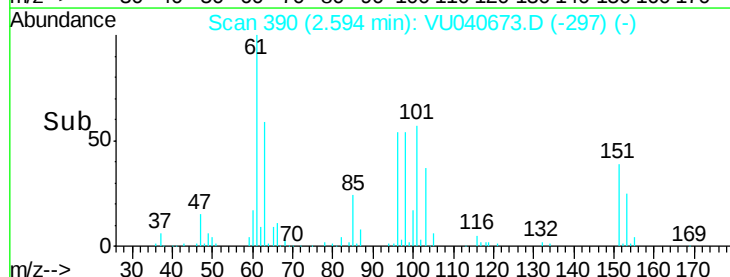


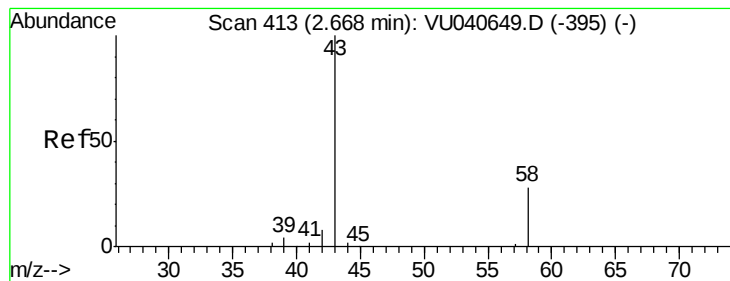
Abundance Ion 96.00 (95.70 to 96.70): VU040649.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VU040649.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU040649.D (-377) (-)

Time-->





#13

Acetone

Concen: 51.166 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

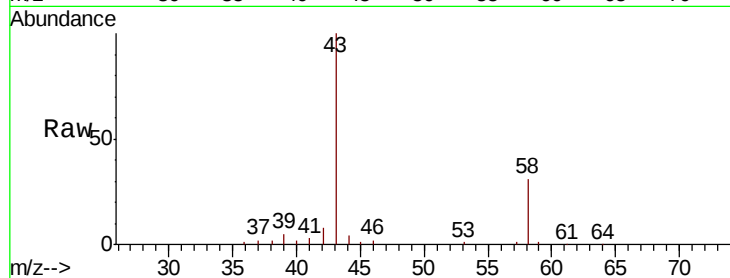
VSTD00530

Tot Ion: 43 Resp: 136534

Ion Ratio Lower Upper

43 100

58 28.1 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040673.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU040673.D (-320) (-)

2.67

25000

20000

15000

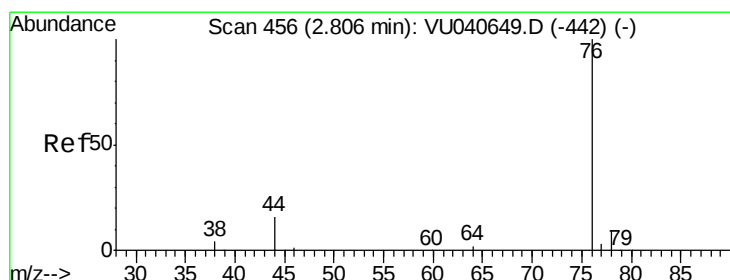
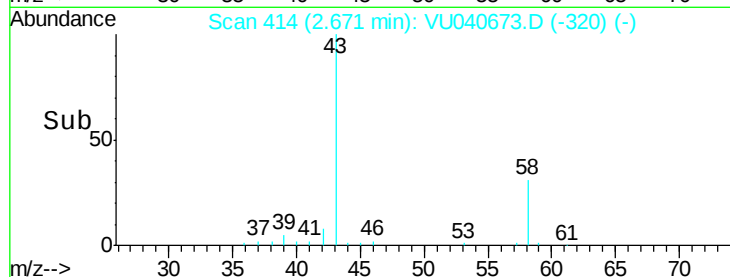
10000

5000

0

Time-->

2.50 2.60 2.70 2.80 2.90



#14

Carbon disulfide

Concen: 4.537 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040673.D

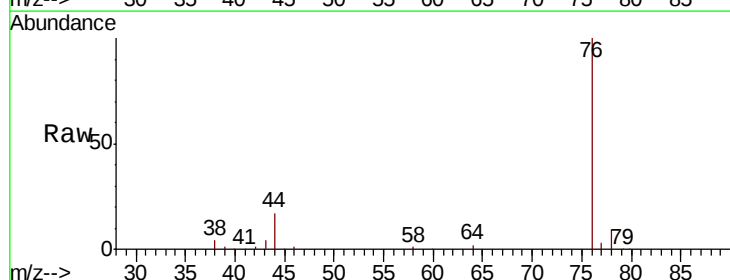
Acq: 13 Oct 2020 10:47

Tgt Ion: 76 Resp: 117641

Ion Ratio Lower Upper

76 100

78 9.4 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040673.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040673.D (-363) (-)

2.81

80000

60000

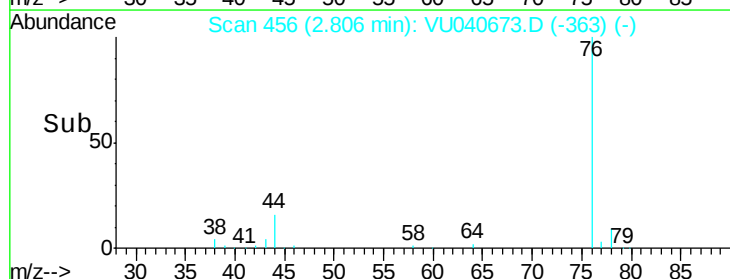
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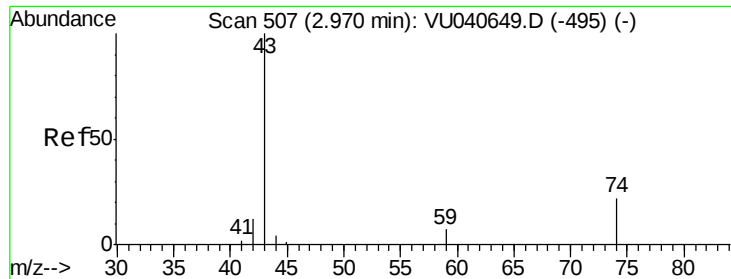
20000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methvl Acetate

Concen: 5.125 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

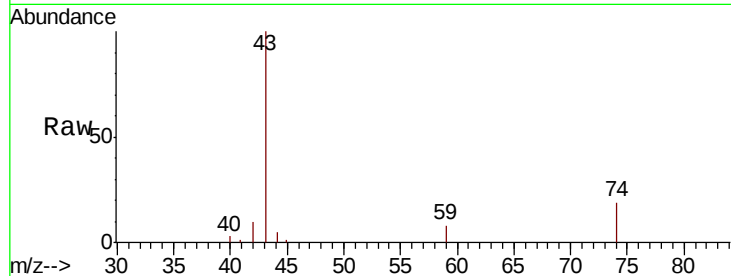
VSTD00530

Tot Ion: 43 Resp: 31229

Ion Ratio Lower Upper

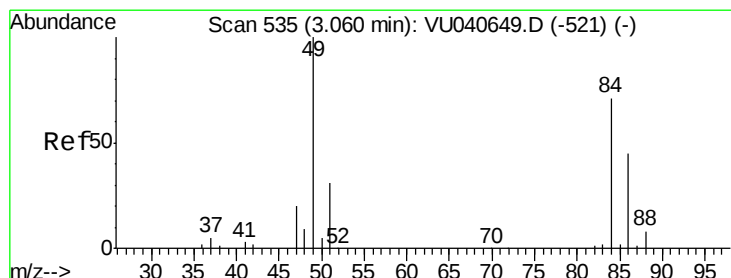
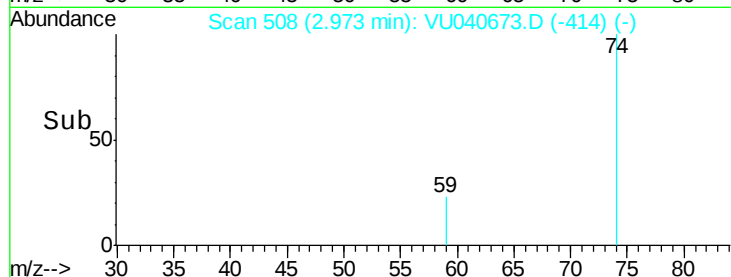
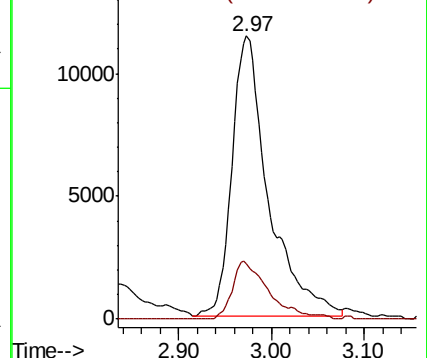
43 100

74 20.8 16.5 24.7



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.757 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

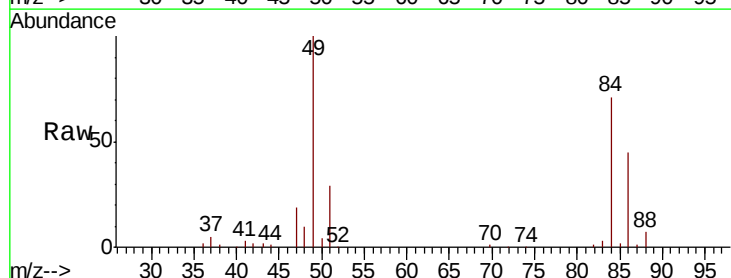
Tgt Ion: 84 Resp: 56577

Ion Ratio Lower Upper

84 100

86 62.3 45.4 84.4

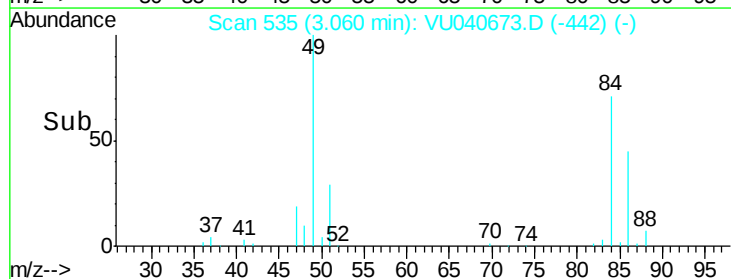
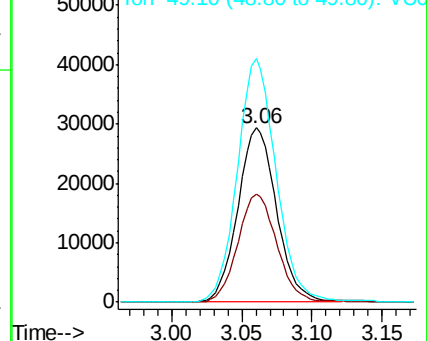
49 140.0 99.8 185.3

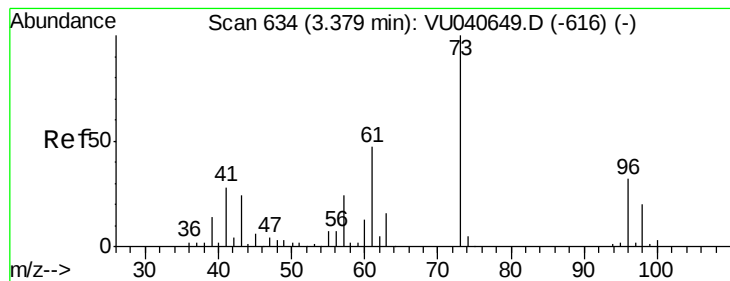


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



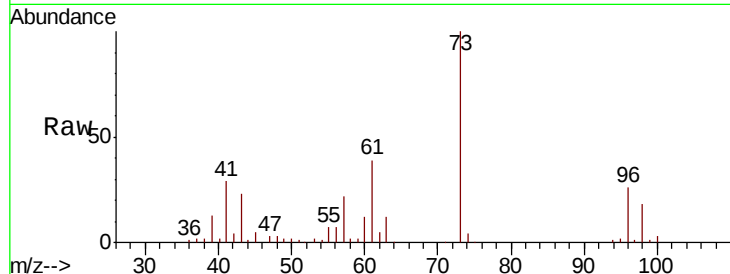


#17

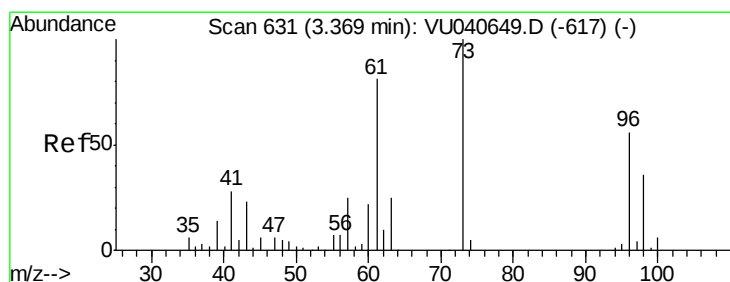
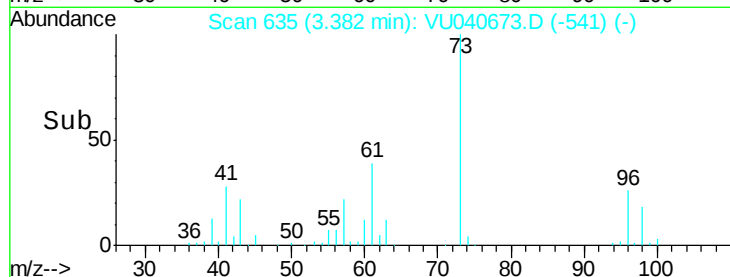
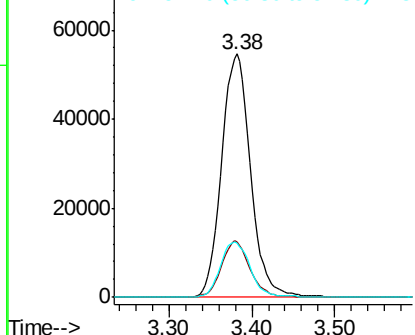
Methyl tert-butyl Ether
 Concen: 5.071 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 73 Resp: 132842
 Ion Ratio Lower Upper
 73 100
 43 22.6 18.2 27.4
 57 23.2 18.6 28.0



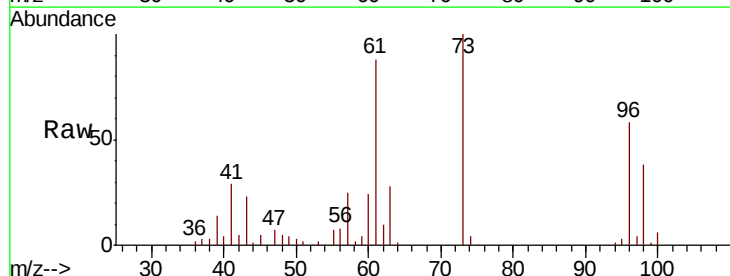
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



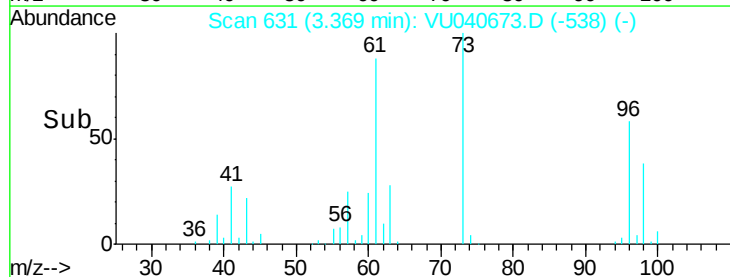
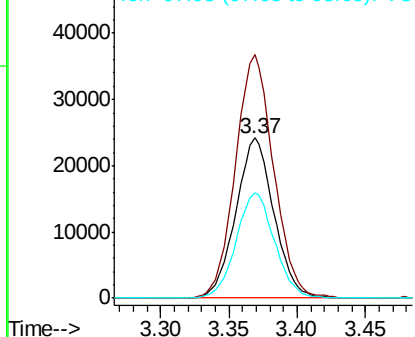
#18

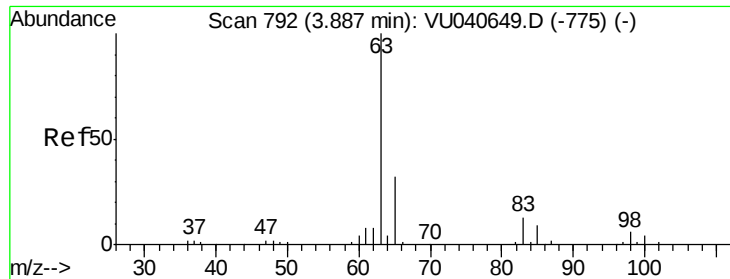
trans-1,2-Dichloroethene
 Concen: 4.836 ug/L
 RT: 3.37 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

Tgt Ion: 96 Resp: 46895
 Ion Ratio Lower Upper
 96 100
 61 152.0 105.9 196.7
 98 65.4 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

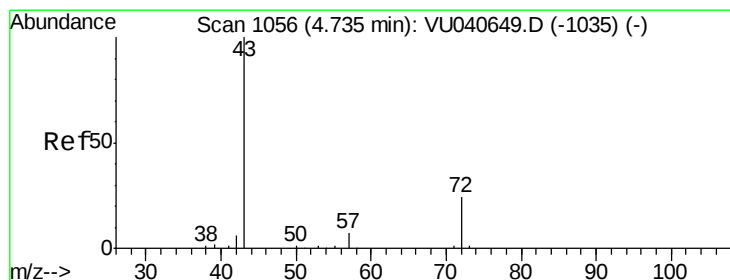
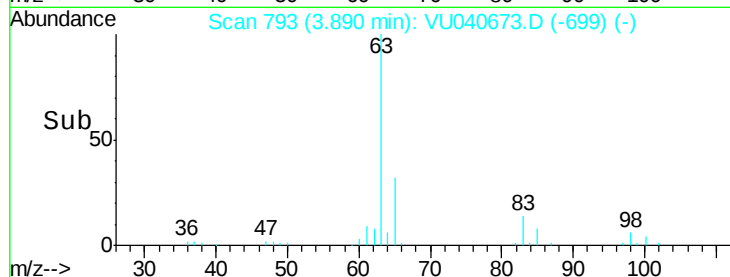
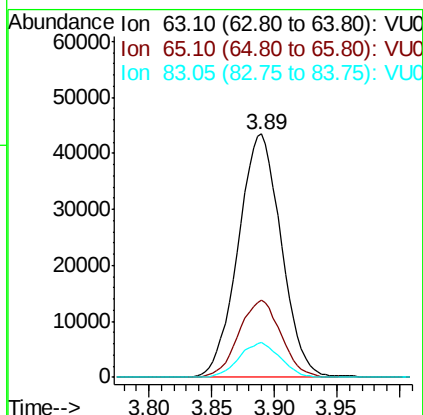
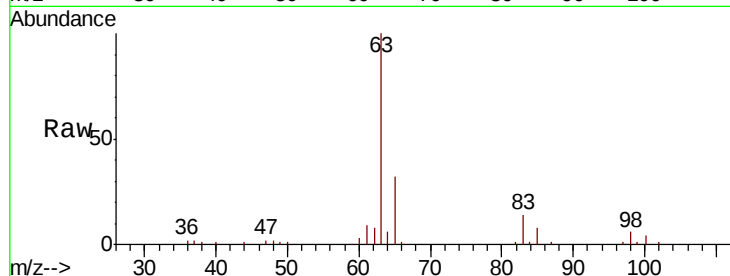




#19
 1,1-Dichloroethane
 Concen: 5.171 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

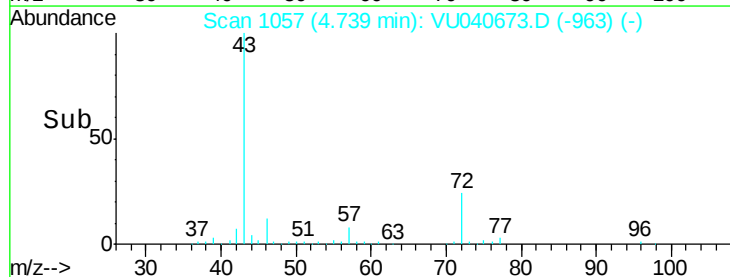
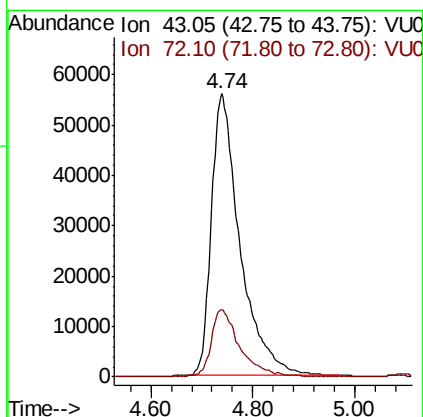
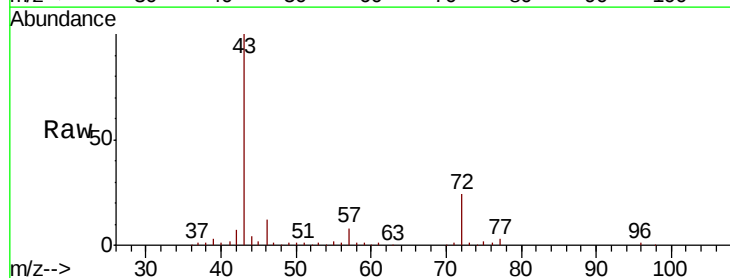
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

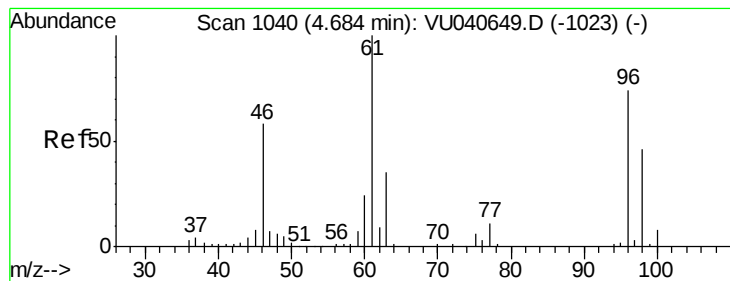
Tot Ion: 63 Resp: 103705
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.9 40.7
 83 14.2 9.6 17.8



#21
 2-Butanone
 Concen: 52.612 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

Tgt Ion: 43 Resp: 218880
 Ion Ratio Lower Upper
 43 100
 72 23.3 11.4 34.2





#22

cis-1,2-Dichloroethene

Concen: 5.185 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

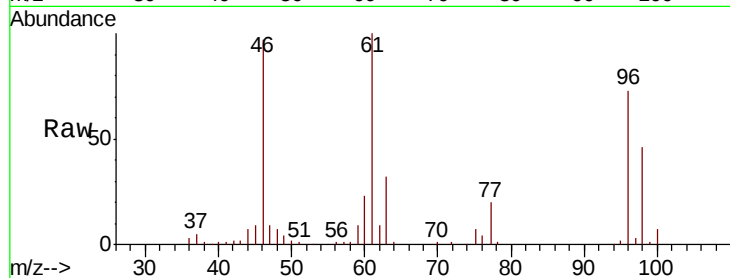
Tot Ion: 96 Resp: 54225

Ion Ratio Lower Upper

96 100

61 136.8 99.8 185.4

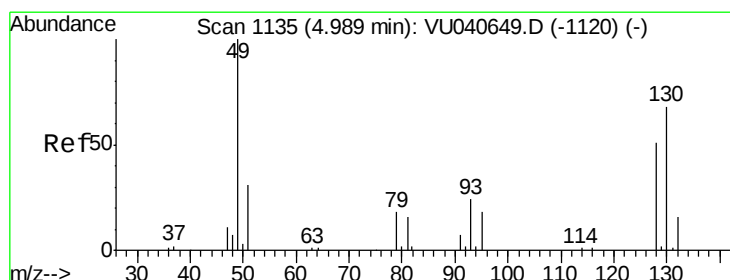
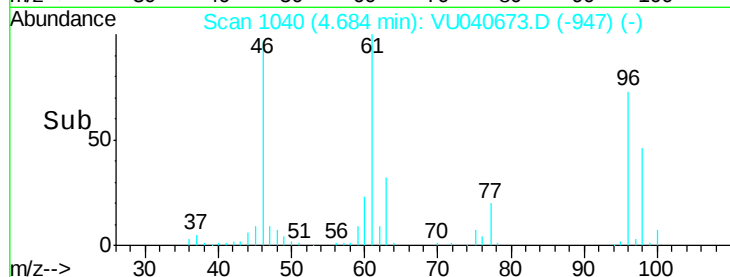
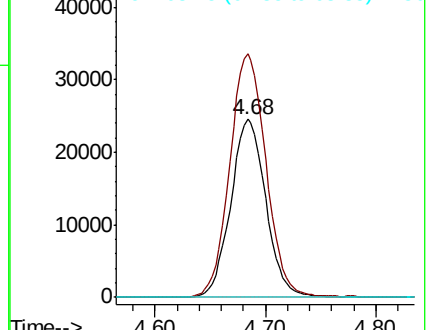
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040673.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040673.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040673.D (-947) (-)



#23

Bromochloromethane

Concen: 5.108 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Tgt Ion: 128 Resp: 26540

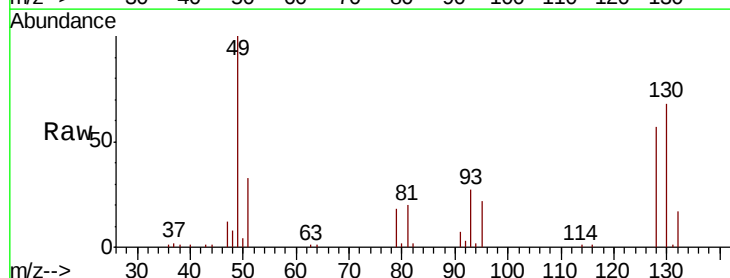
Ion Ratio Lower Upper

128 100

49 174.7 132.2 245.4

130 119.4 89.2 165.8

51 57.6 45.3 67.9

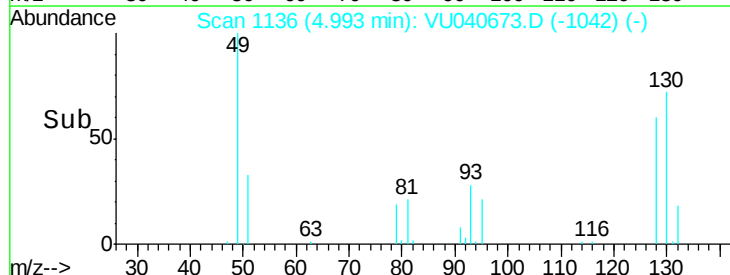
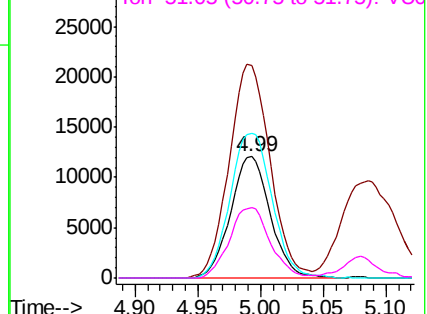


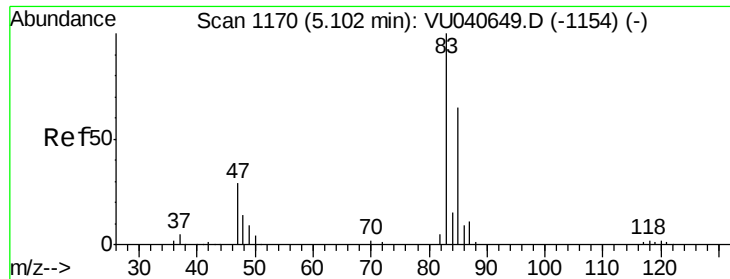
Abundance Ion 127.90 (127.60 to 128.60): VU040673.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040673.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040673.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040673.D (-1042) (-)

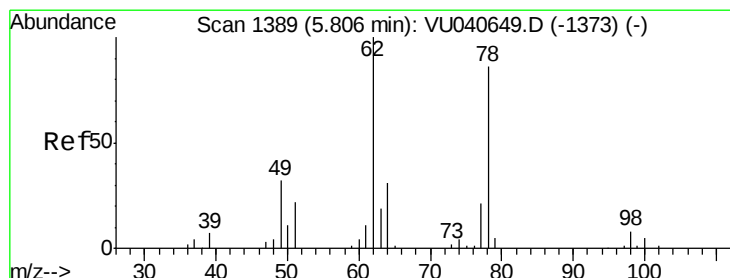
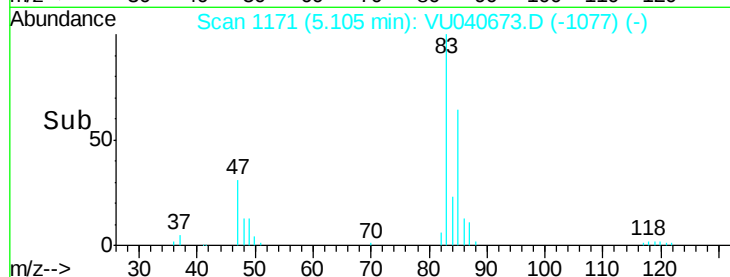
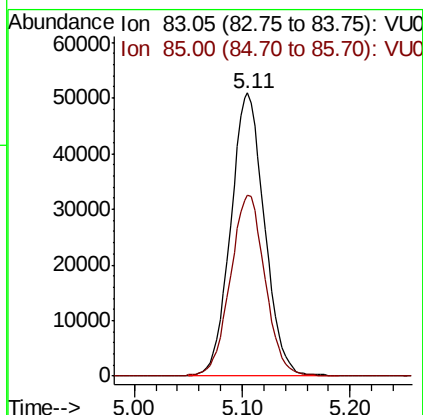
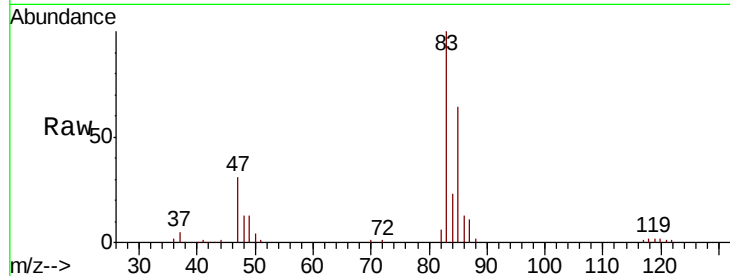




#25
Chloroform
Concen: 5.413 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040673.D
Acq: 13 Oct 2020 10:47

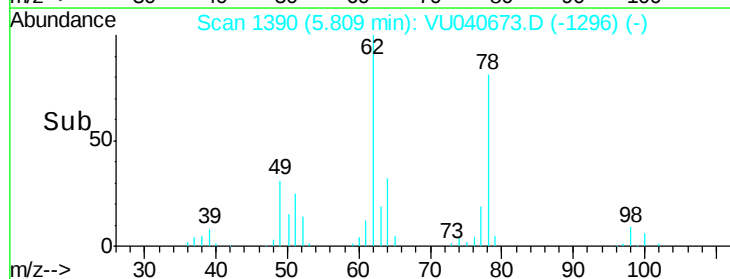
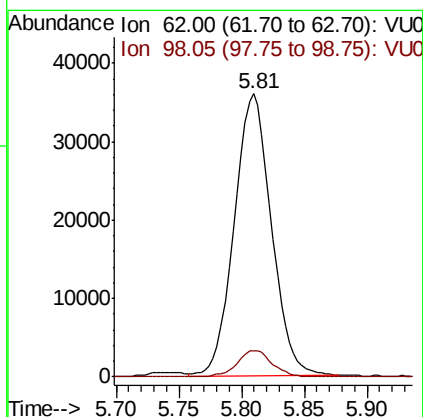
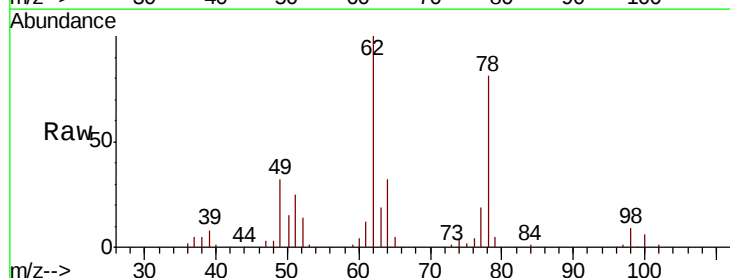
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

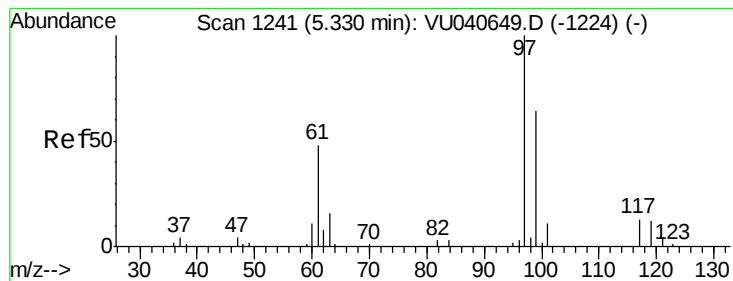
Tot Ion: 83 Resp: 110830
Ion Ratio Lower Upper
83 100
85 64.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.126 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040673.D
Acq: 13 Oct 2020 10:47

Tgt Ion: 62 Resp: 74283
Ion Ratio Lower Upper
62 100
98 9.4 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.367 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

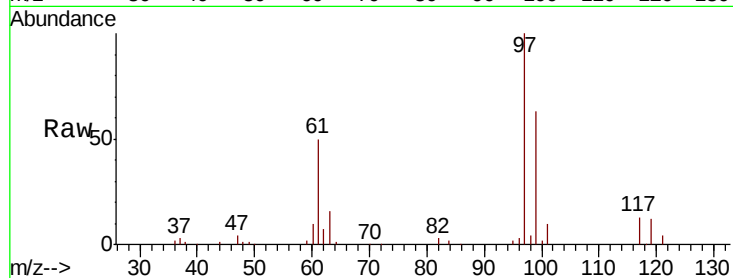
Tot Ion: 97 Resp: 92053

Ion Ratio Lower Upper

97 100

99 63.3 51.3 76.9

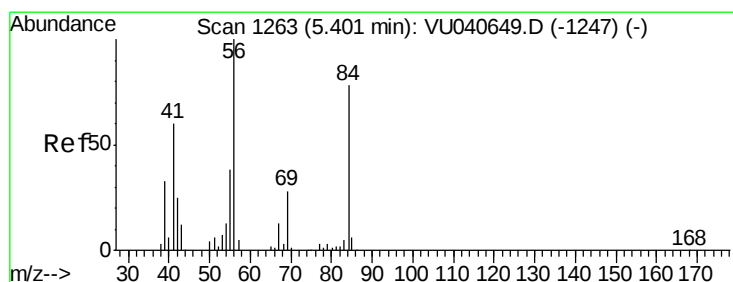
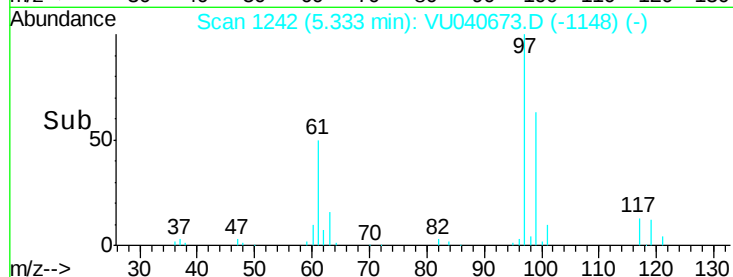
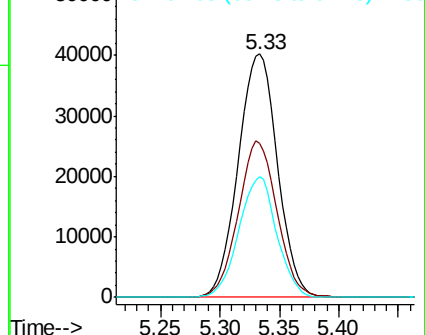
61 47.9 39.4 59.2



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: 4.880 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

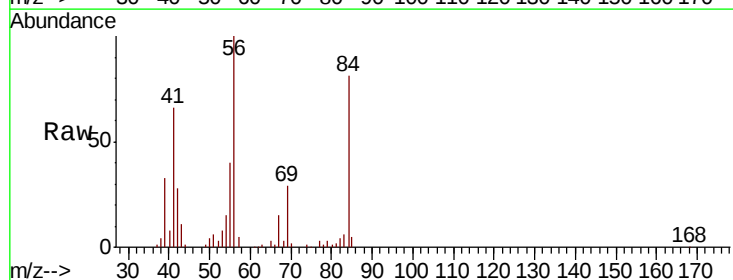
Tgt Ion: 56 Resp: 77130

Ion Ratio Lower Upper

56 100

69 29.7 23.8 35.8

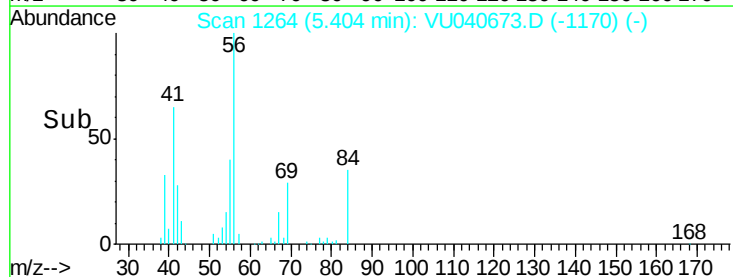
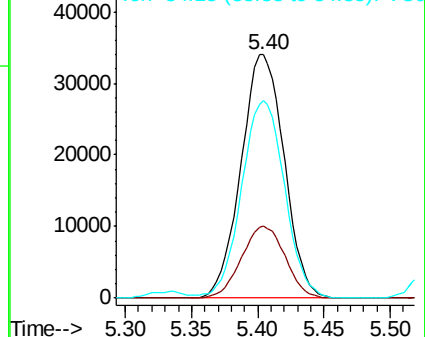
84 81.0 64.0 96.0

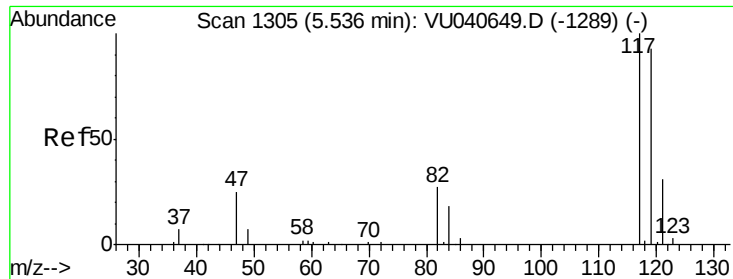


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.272 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

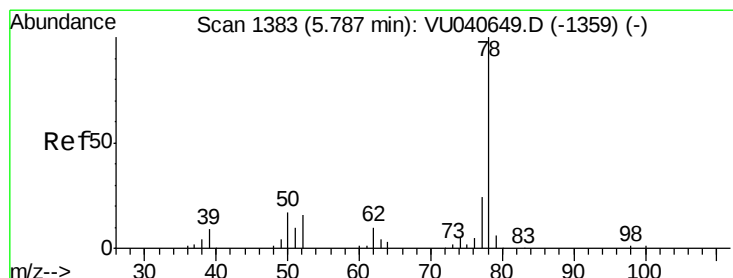
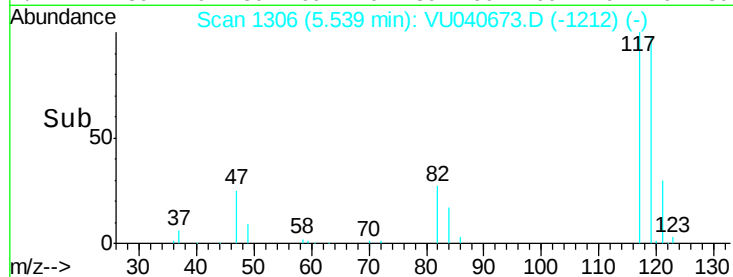
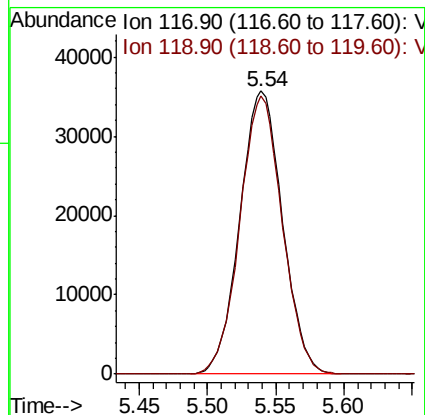
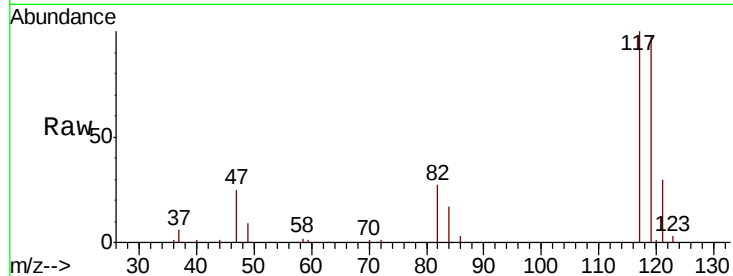
VSTD00530

Tot Ion:117 Resp: 77383

Ion Ratio Lower Upper

117 100

119 97.6 76.2 114.2



#33

Benzene

Concen: 5.199 ug/L

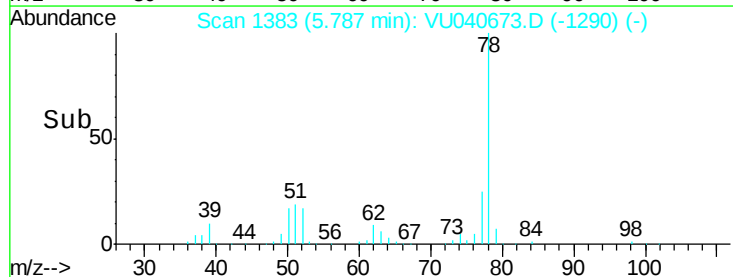
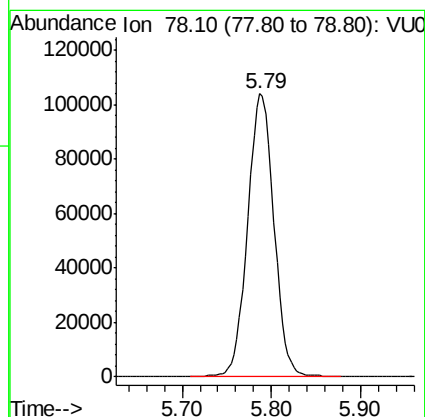
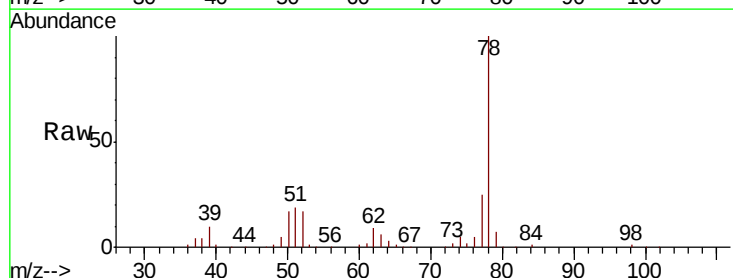
RT: 5.79 min Scan# 1383

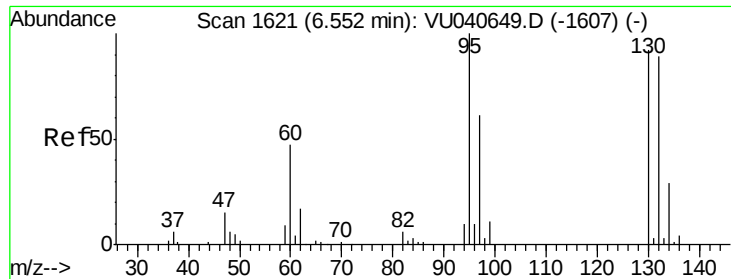
Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Tgt Ion: 78 Resp: 213203

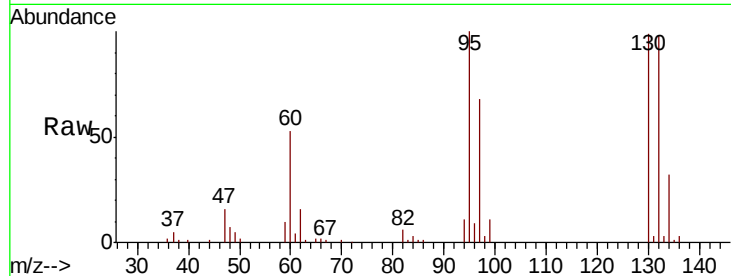




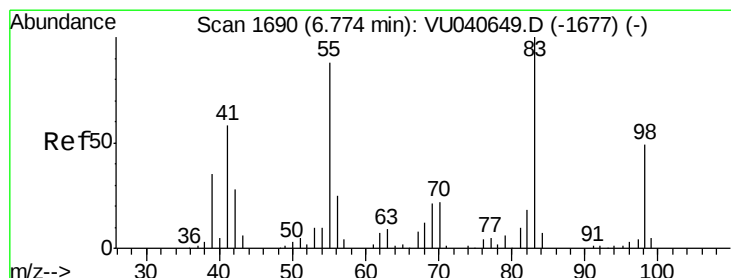
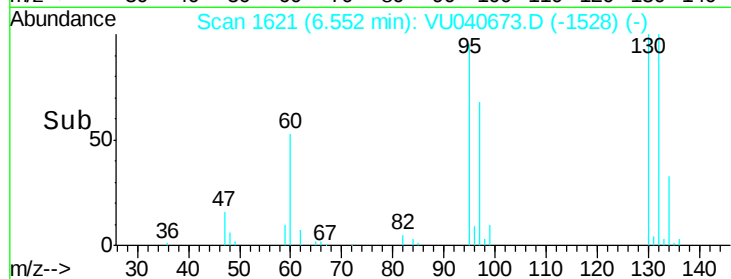
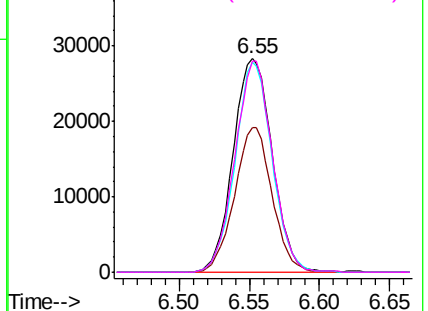
#34
 Trichloroethene
 Concen: 5.163 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion:	95	Resp:	54882
Ion	Ratio	Lower	Upper
95	100		
97	67.6	45.5	84.5
132	98.4	67.5	125.4
130	98.8	69.9	129.9

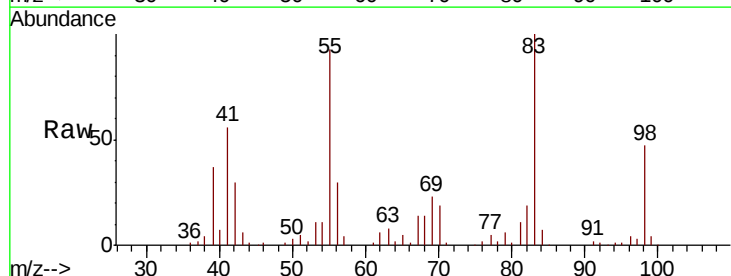


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

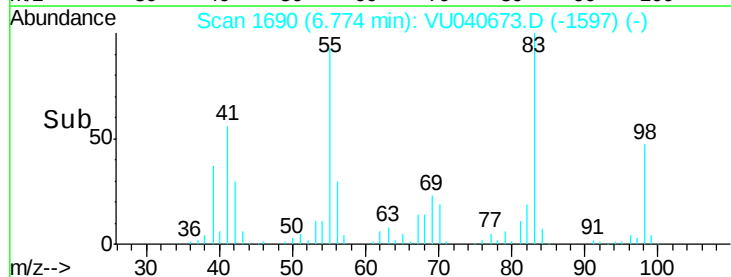
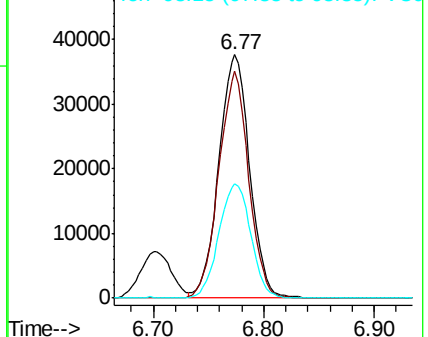


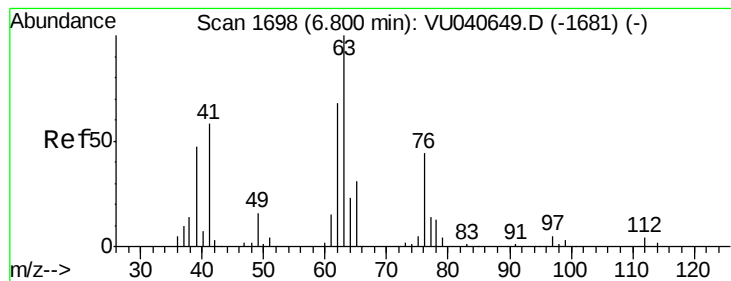
#35
 Methylcyclohexane
 Concen: 4.847 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

Tgt Ion:	83	Resp:	73061
Ion	Ratio	Lower	Upper
83	100		
55	90.1	70.7	106.1
98	48.5	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: 5.378 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

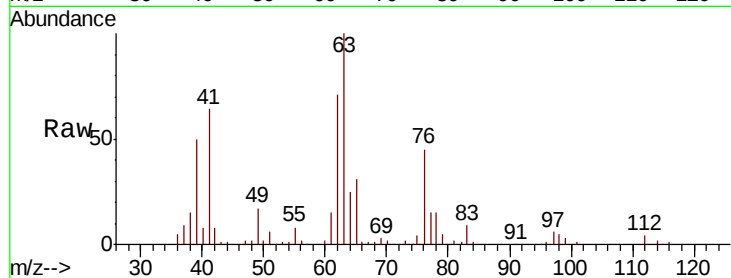
VSTD00530

Tot Ion: 63 Resp: 61450

Ion Ratio Lower Upper

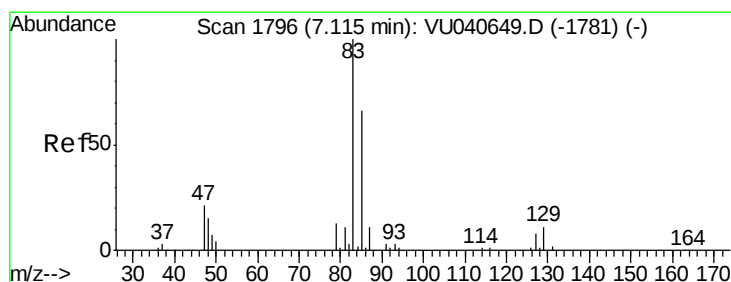
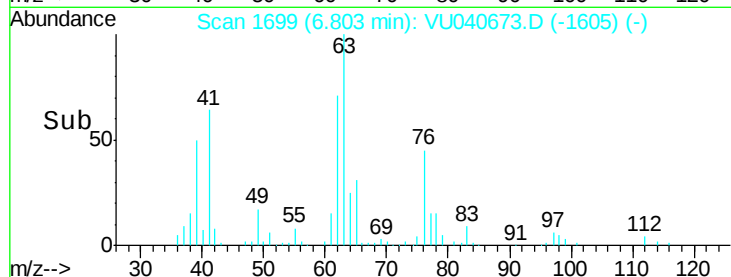
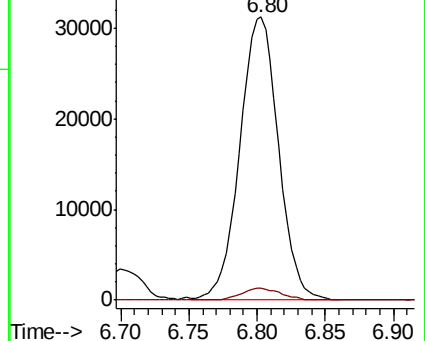
63 100

112 4.2 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU040649.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU040649.D (-1681) (-)



#38

Bromodichloromethane

Concen: 5.363 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

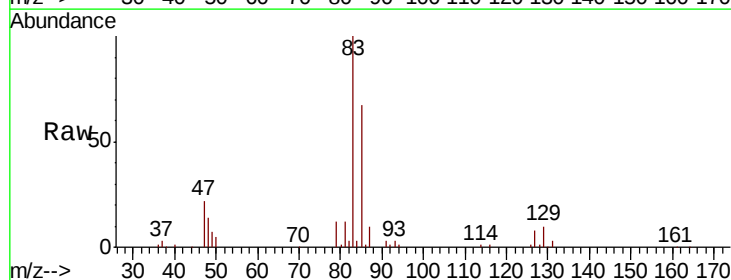
Tgt Ion: 83 Resp: 78328

Ion Ratio Lower Upper

83 100

85 66.6 46.0 85.4

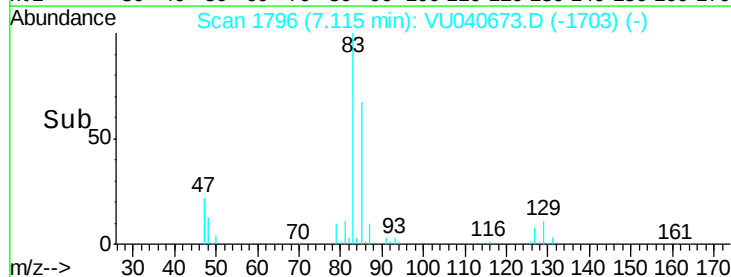
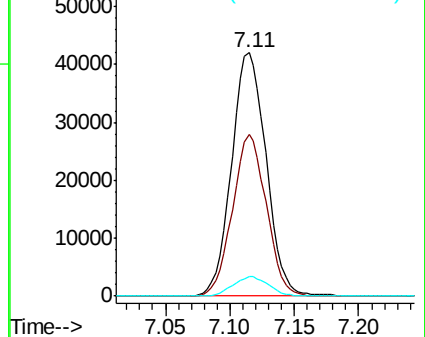
127 7.8 6.7 10.1

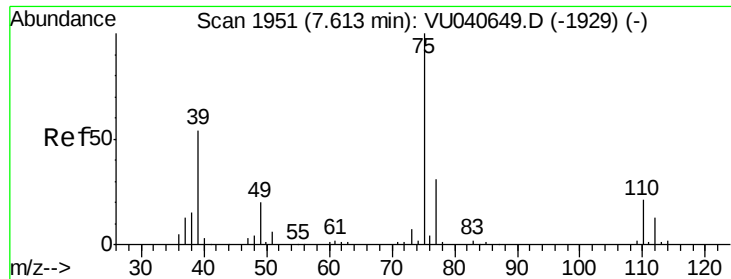


Abundance Ion 82.95 (82.65 to 83.65): VU040649.D (-1781) (-)

Ion 85.00 (84.70 to 85.70): VU040649.D (-1781) (-)

Ion 126.90 (126.60 to 127.60): VU040649.D (-1781) (-)

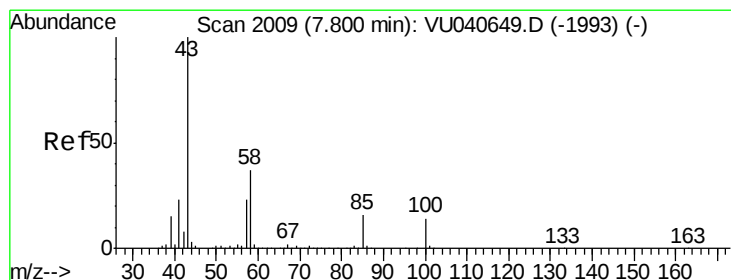
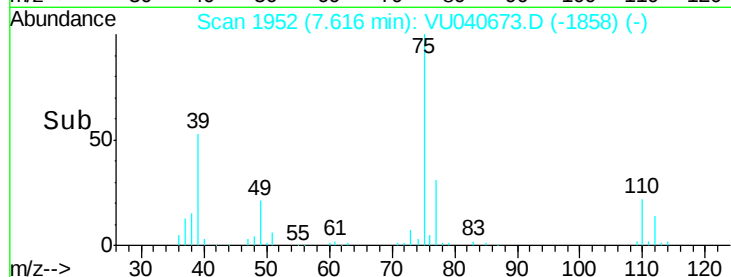
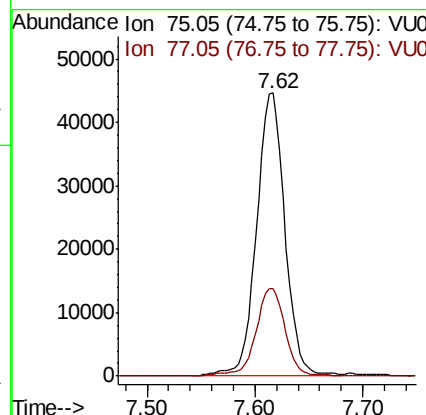
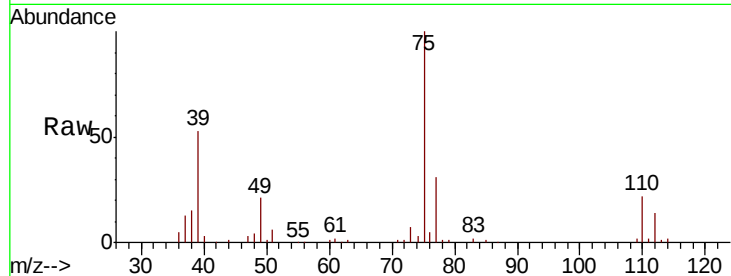




#39
 cis-1,3-Dichloropropene
 Concen: 5.215 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

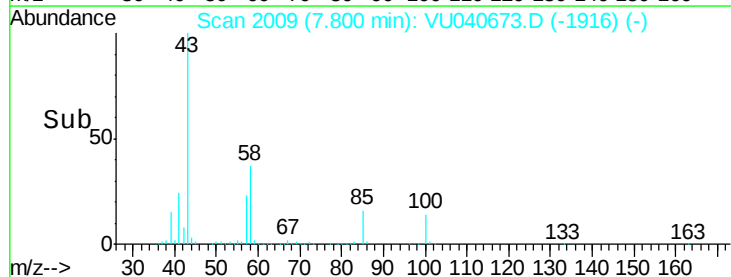
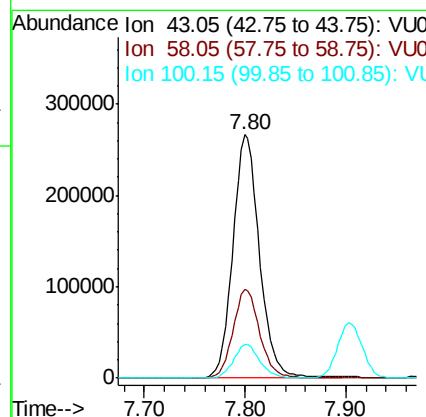
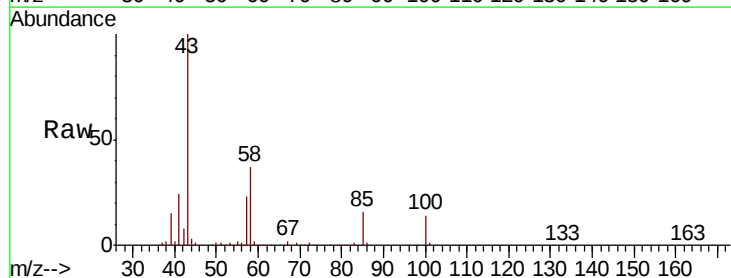
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

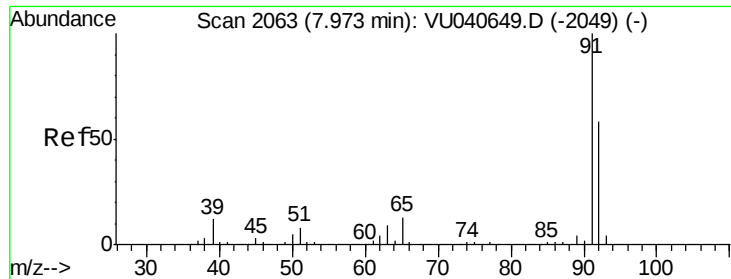
Tot Ion: 75 Resp: 81407
 Ion Ratio Lower Upper
 75 100
 77 31.1 20.5 38.1



#40
 4-Methyl-2-pentanone
 Concen: 53.854 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

Tgt Ion: 43 Resp: 490544
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.7 44.5
 100 13.6 10.7 16.1





#42

Toluene

Concen: 5.478 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

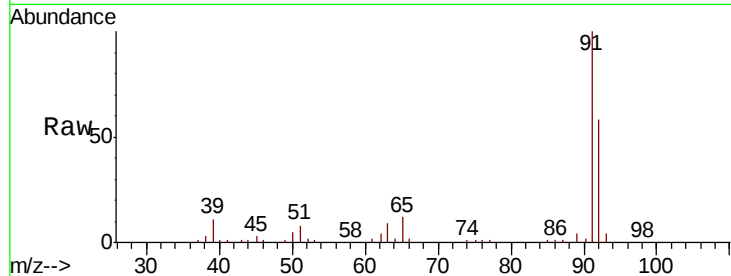
VSTD00530

Tot Ion: 91 Resp: 228889

Ion Ratio Lower Upper

91 100

92 57.5 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

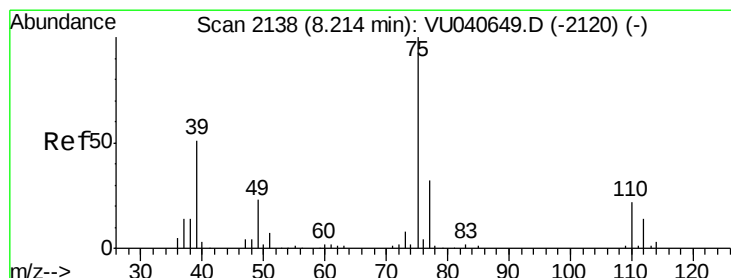
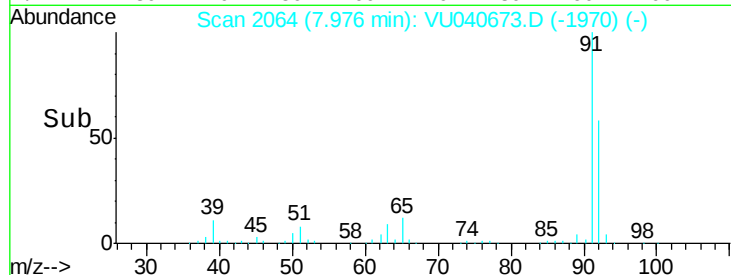
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.283 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040673.D

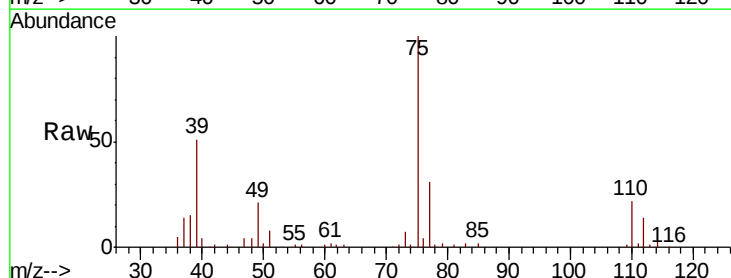
Acq: 13 Oct 2020 10:47

Tgt Ion: 75 Resp: 75922

Ion Ratio Lower Upper

75 100

77 30.9 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

50000

40000

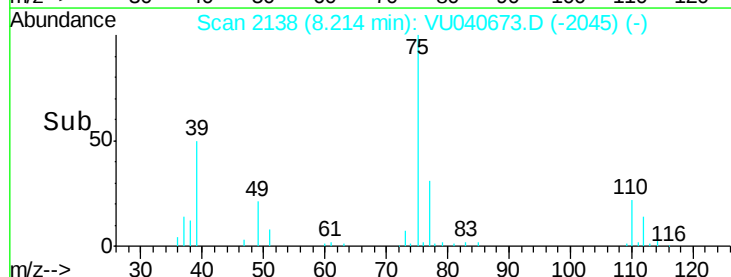
30000

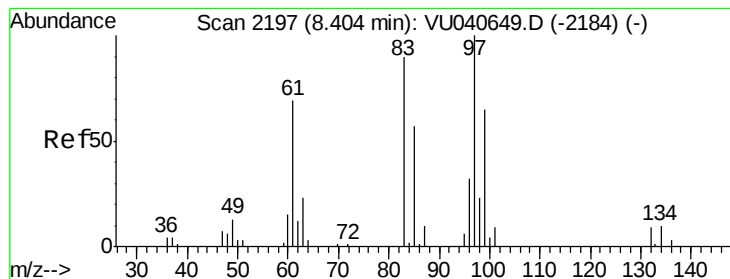
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.242 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

Tot Ion: 97 Resp: 44856

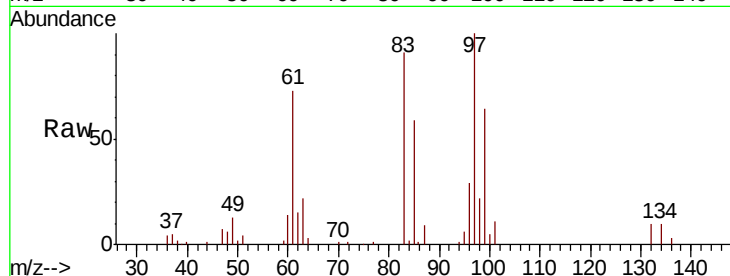
Ion Ratio Lower Upper

97 100

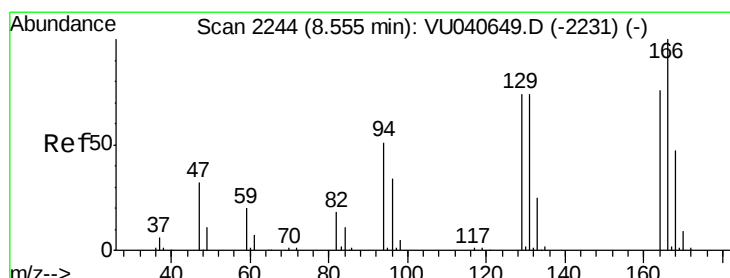
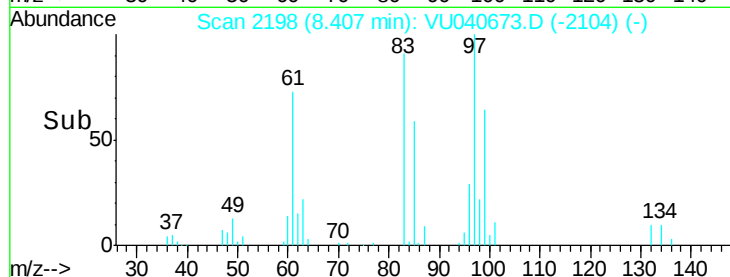
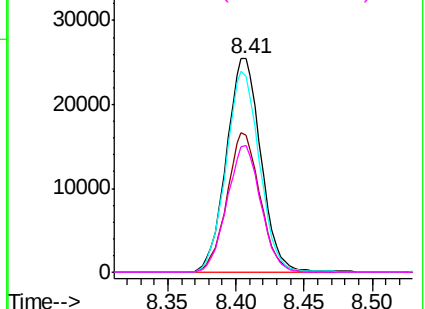
99 64.0 44.0 81.6

83 91.5 62.9 116.9

85 59.5 40.3 74.8



Abundance Ion 96.95 (96.65 to 97.65): VU040673.D (-2104) (-)
 Ion 99.05 (98.75 to 99.75): VU040673.D (-2104) (-)
 Ion 82.95 (82.65 to 83.65): VU040673.D (-2104) (-)
 Ion 85.00 (84.70 to 85.70): VU040673.D (-2104) (-)



#47

Tetrachloroethene

Concen: 5.355 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Tgt Ion: 164 Resp: 40609

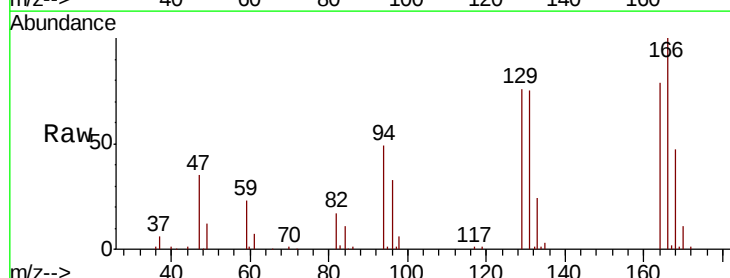
Ion Ratio Lower Upper

164 100

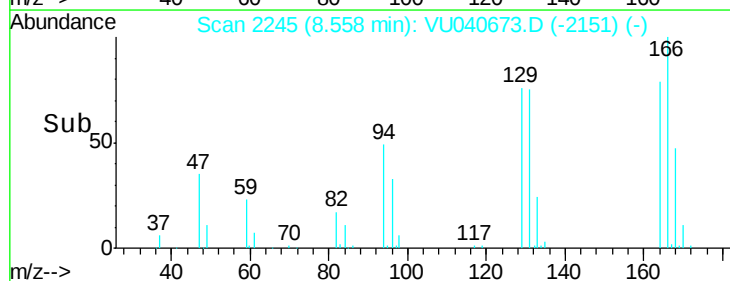
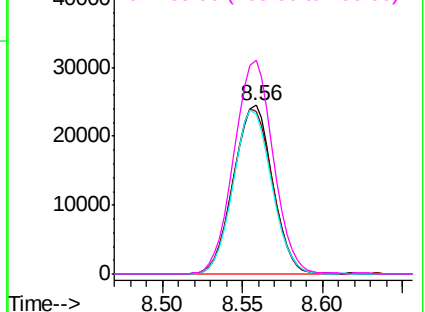
129 96.5 68.8 127.8

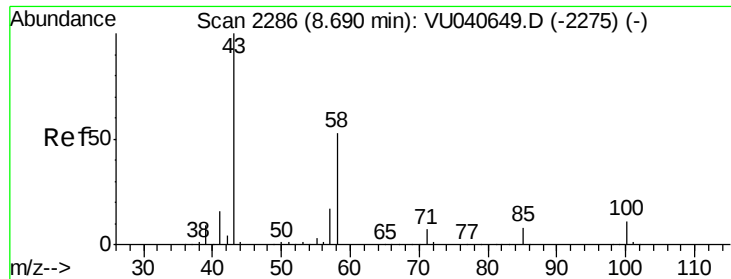
131 95.0 66.7 123.9

166 126.6 83.9 155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040673.D (-2151) (-)
 Ion 128.95 (128.65 to 129.65): VU040673.D (-2151) (-)
 Ion 130.95 (130.65 to 131.65): VU040673.D (-2151) (-)
 Ion 165.90 (165.60 to 166.60): VU040673.D (-2151) (-)

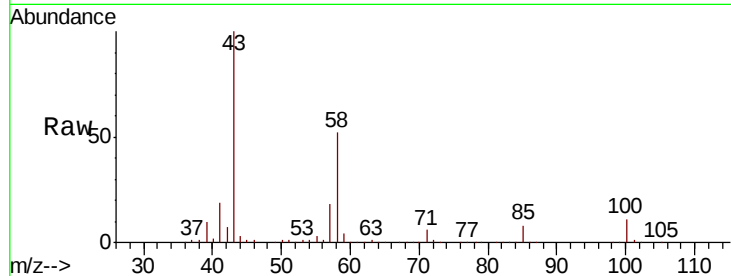




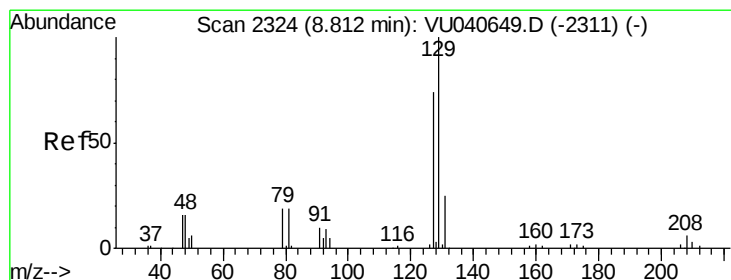
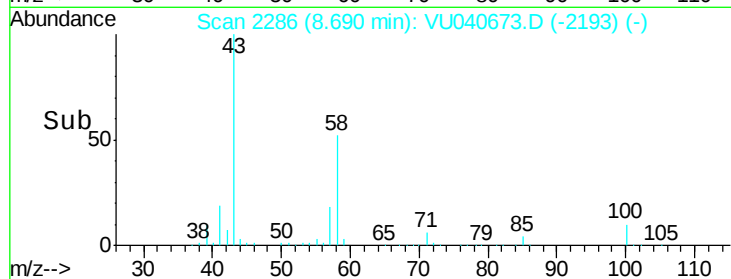
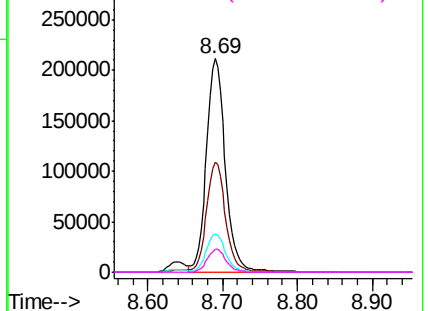
#48
2-Hexanone
Concen: 55.193 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040673.D
Acq: 13 Oct 2020 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion: 43 Resp: 374304
Ion Ratio Lower Upper
43 100
58 51.3 41.0 61.6
57 17.9 14.4 21.6
100 10.7 8.6 13.0

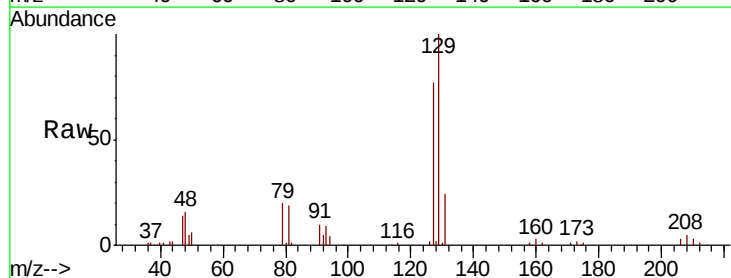


Abundance Ion 43.05 (42.75 to 43.75): VU040673.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040673.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040673.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040673.D (-2193) (-)

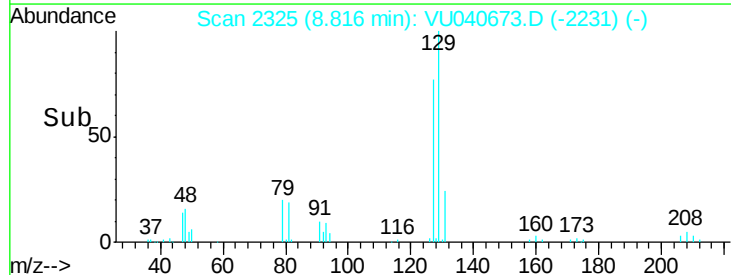
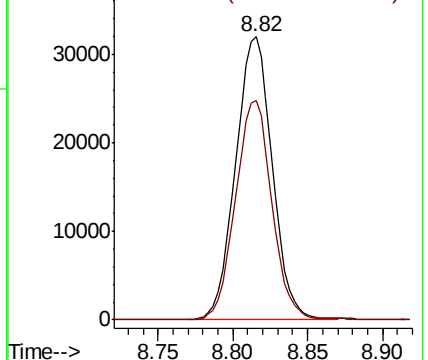


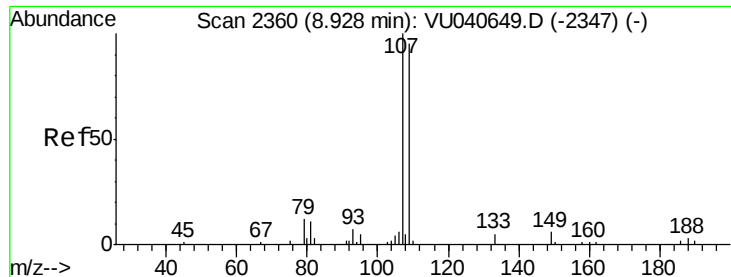
#49
Dibromochloromethane
Concen: 5.544 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040673.D
Acq: 13 Oct 2020 10:47

Tgt Ion: 129 Resp: 54589
Ion Ratio Lower Upper
129 100
127 77.4 55.8 103.6



Abundance Ion 128.95 (128.65 to 129.65): VU040673.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU040673.D (-2231) (-)

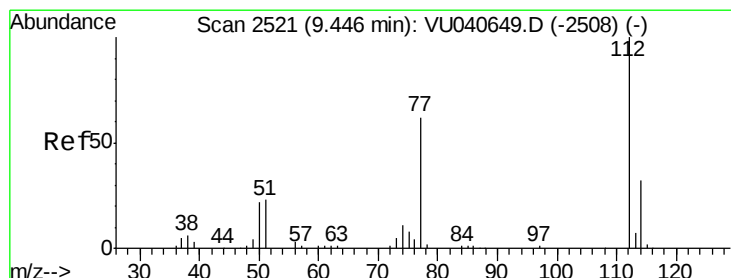
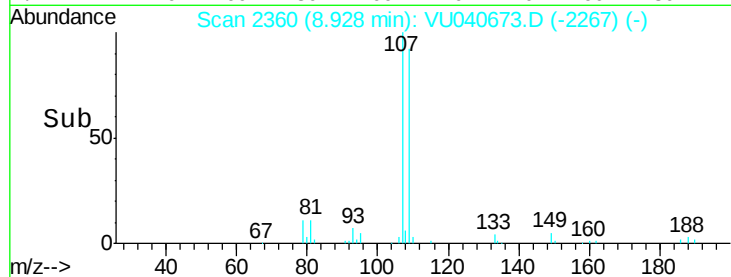
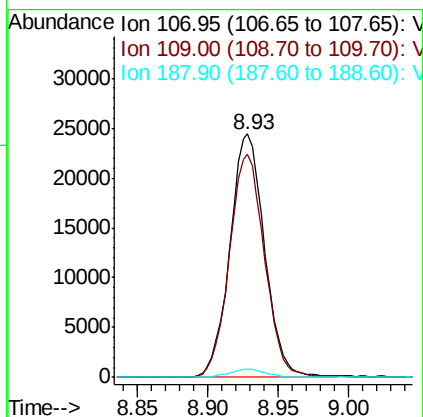
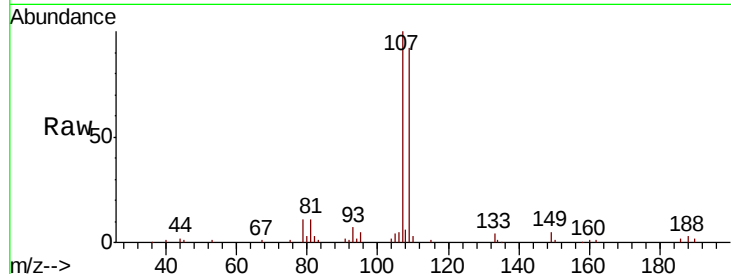




#50
 1,2-Dibromoethane
 Concen: 5.178 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

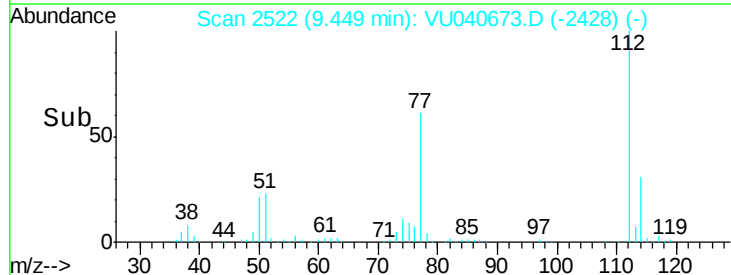
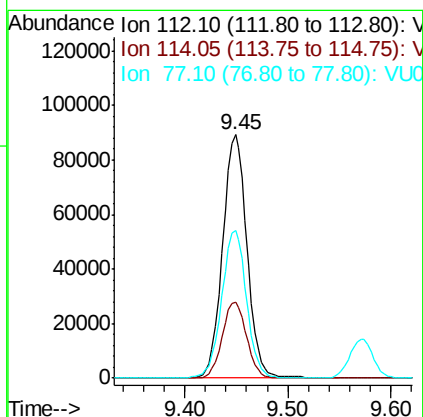
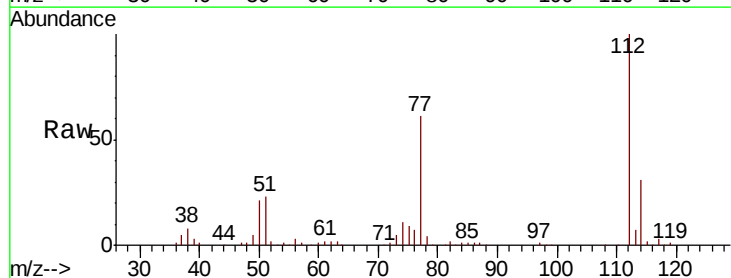
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

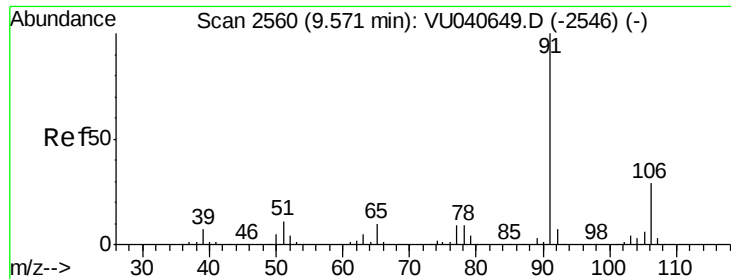
Tot Ion:107 Resp: 42033
 Ion Ratio Lower Upper
 107 100
 109 91.7 65.7 121.9
 188 3.2 3.0 4.4



#51
 Chlorobenzene
 Concen: 5.330 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

Tgt Ion:112 Resp: 146706
 Ion Ratio Lower Upper
 112 100
 114 31.0 23.1 42.9
 77 60.8 50.3 75.5





#52

Ethylbenzene

Concen: 5.226 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

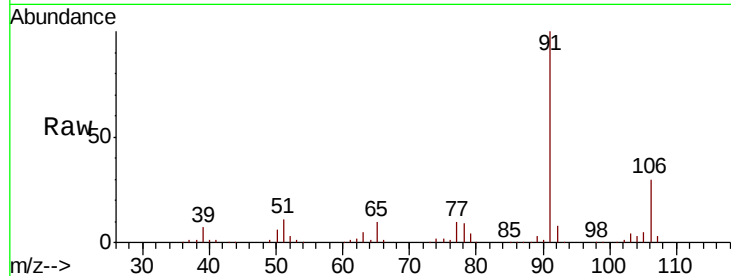
VSTD00530

Tot Ion: 91 Resp: 236303

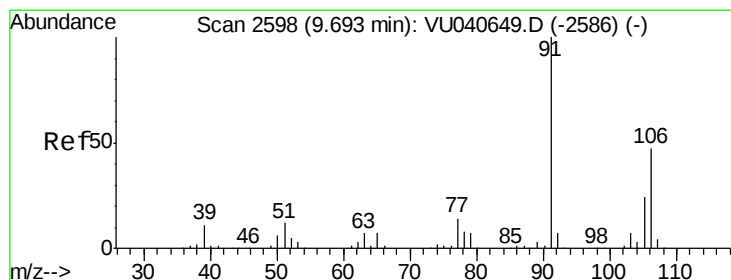
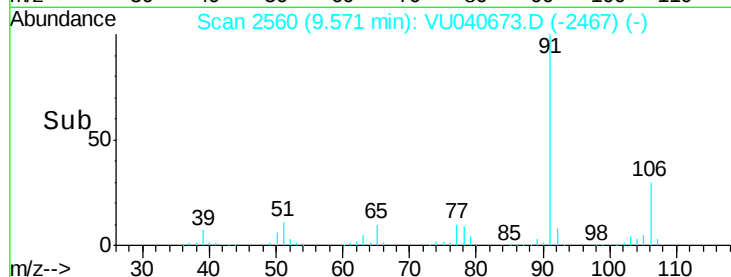
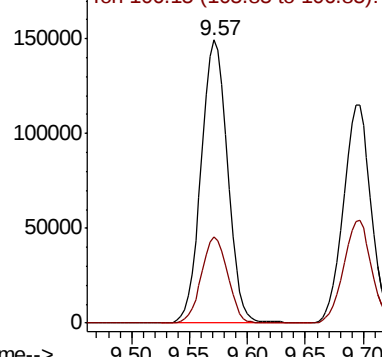
Ion Ratio Lower Upper

91 100

106 30.4 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040673.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.563 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040673.D

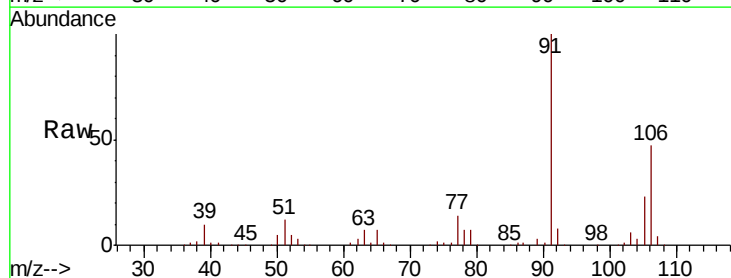
Acq: 13 Oct 2020 10:47

Tgt Ion: 106 Resp: 91689

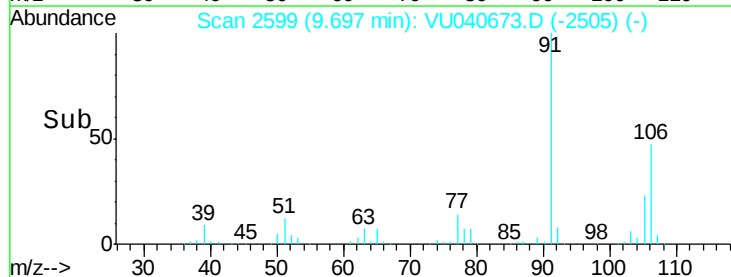
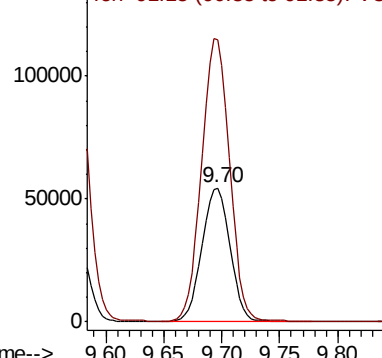
Ion Ratio Lower Upper

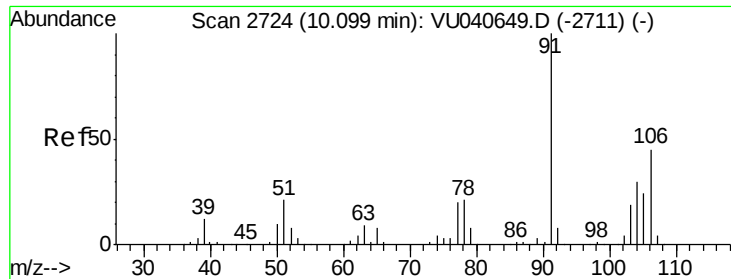
106 100

91 210.6 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040673.D (-2598) (-)

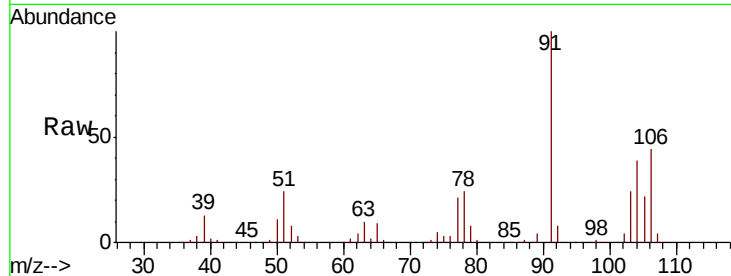




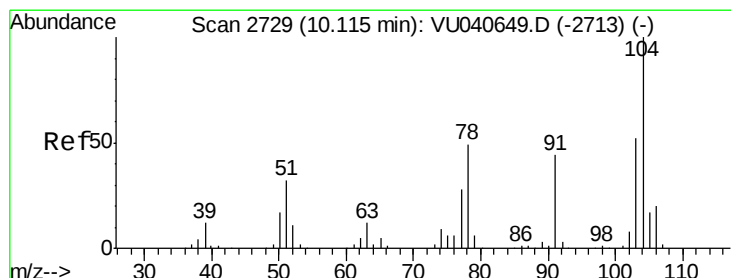
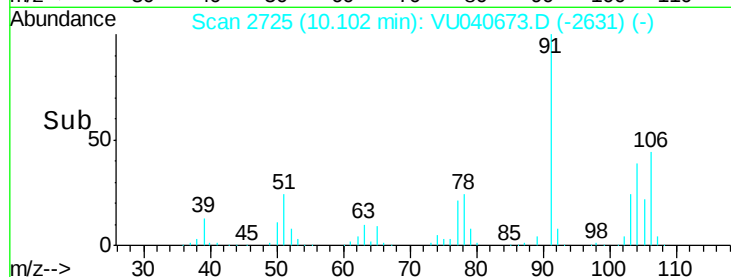
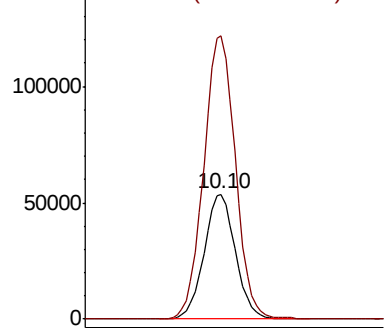
#54
o-Xylene
Concen: 5.373 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040673.D
Acq: 13 Oct 2020 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:106 Resp: 85174
Ion Ratio Lower Upper
106 100
91 226.9 160.2 297.4

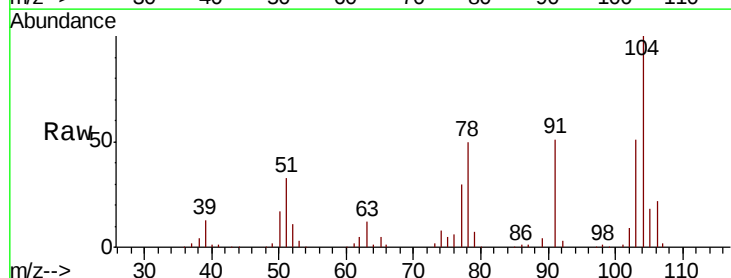


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

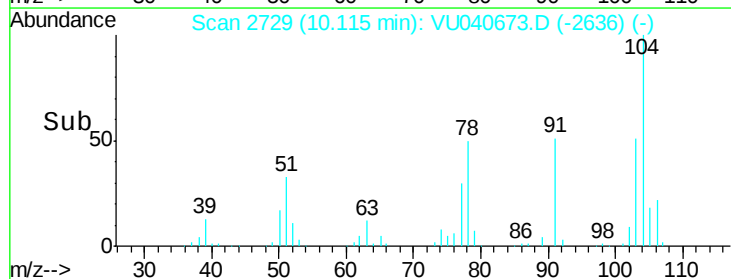
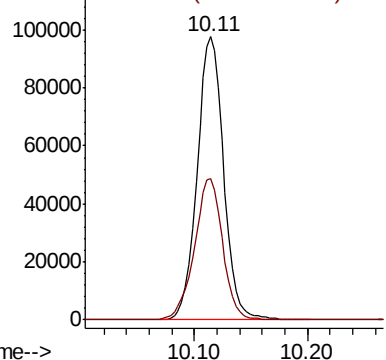


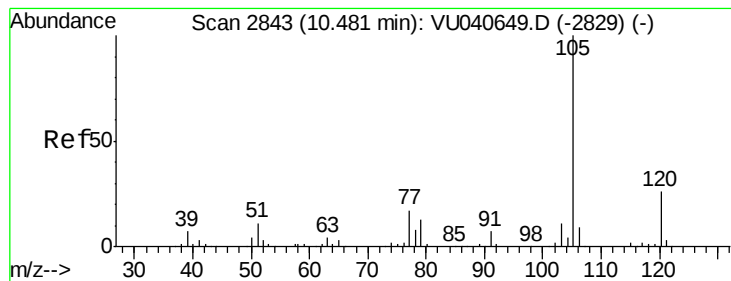
#55
Styrene
Concen: 5.760 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040673.D
Acq: 13 Oct 2020 10:47

Tgt Ion:104 Resp: 158557
Ion Ratio Lower Upper
104 100
78 50.0 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: 5.511 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

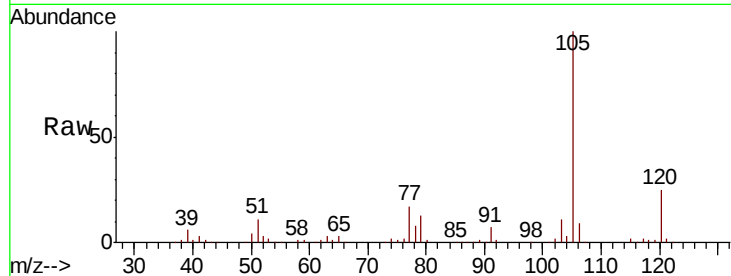
Tot Ion:105 Resp: 235152

Ion Ratio Lower Upper

105 100

120 25.5 20.6 30.8

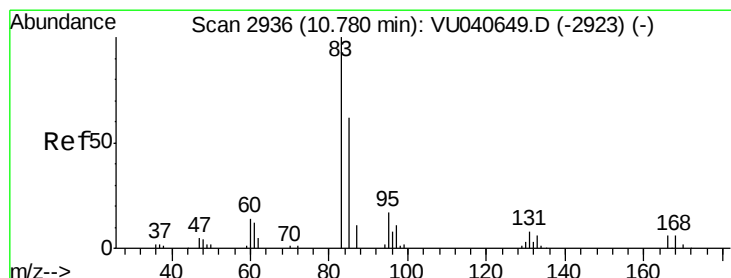
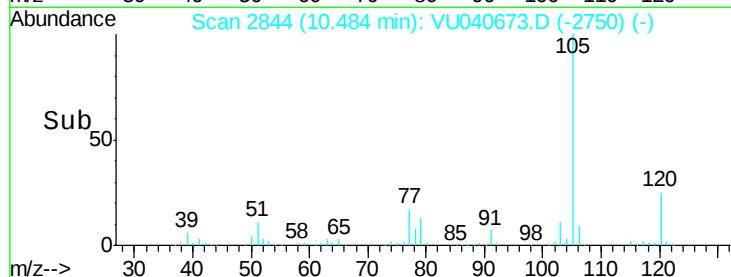
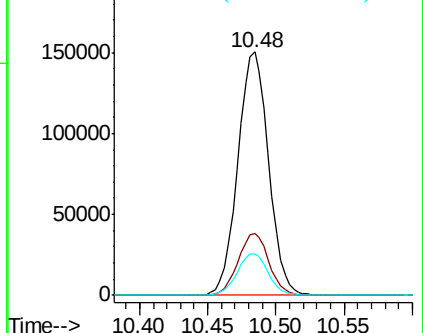
77 17.2 13.8 20.6



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



#58

1,1,2,2-Tetrachloroethane

Concen: 5.387 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

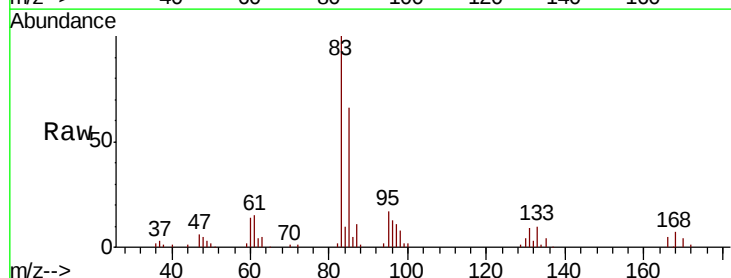
Tgt Ion: 83 Resp: 60519

Ion Ratio Lower Upper

83 100

85 66.3 45.6 84.6

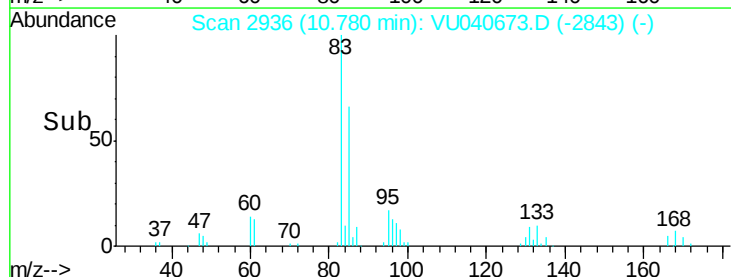
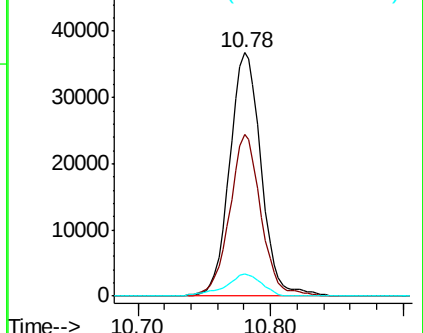
131 9.0 7.1 10.7

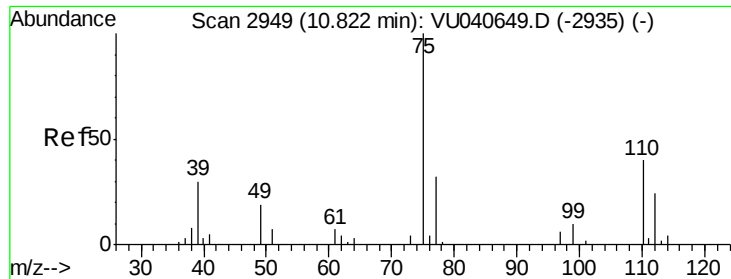


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.204 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

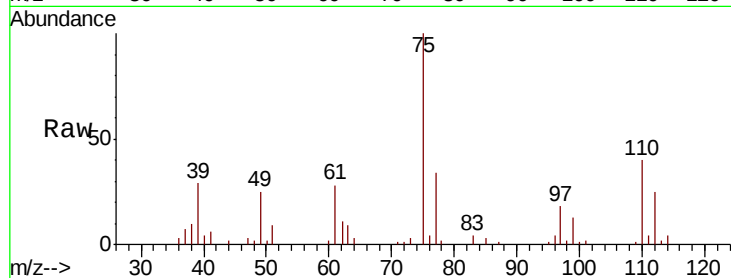
VSTD00530

Tot Ion: 75 Resp: 43674

Ion Ratio Lower Upper

75 100

77 32.4 26.4 39.6

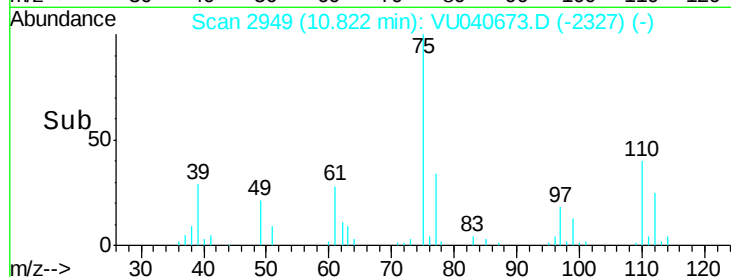


Abundance Ion 75.00 (74.70 to 75.70): VU040649.D (-2935) (-)

Ion 77.00 (76.70 to 77.70): VU040649.D (-2935) (-)

10.82

Time-->

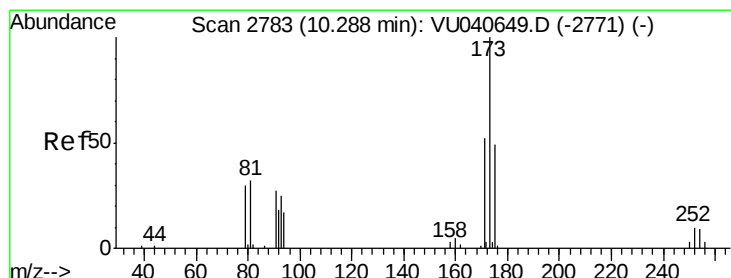


Abundance Ion 75.00 (74.70 to 75.70): VU040673.D (-2327) (-)

Ion 77.00 (76.70 to 77.70): VU040673.D (-2327) (-)

10.82

Time-->



#61

Bromoform

Concen: 5.133 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

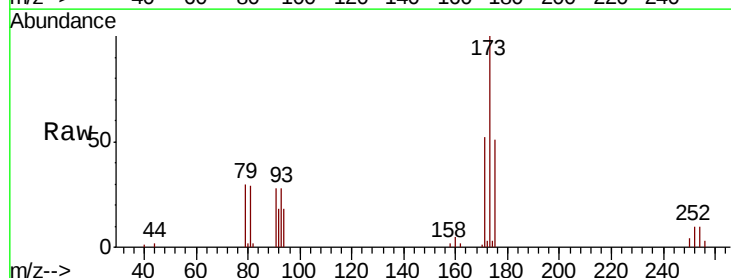
Tgt Ion: 173 Resp: 29662

Ion Ratio Lower Upper

173 100

175 49.7 37.4 56.0

254 8.6 7.4 11.2



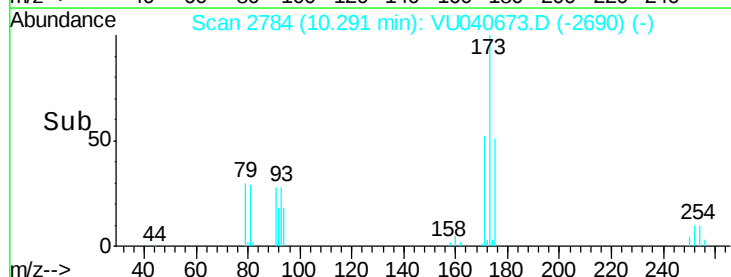
Abundance Ion 172.90 (172.60 to 173.60): VU040649.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040649.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040649.D (-2771) (-)

10.29

Time-->



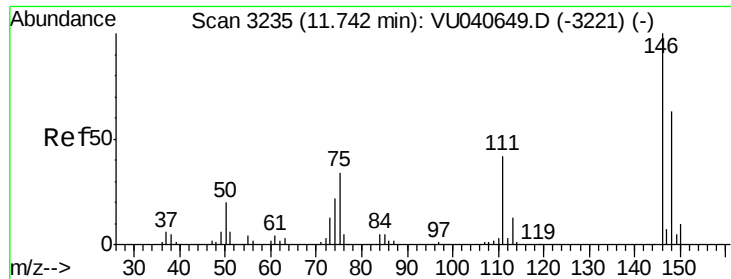
Abundance Ion 172.90 (172.60 to 173.60): VU040673.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VU040673.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VU040673.D (-2690) (-)

10.29

Time-->



#62

1,3-Dichlorobenzene

Concen: 5.379 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

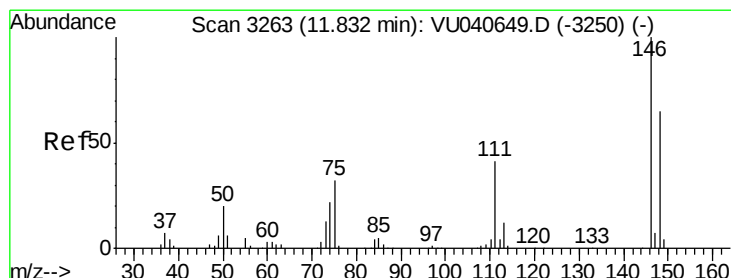
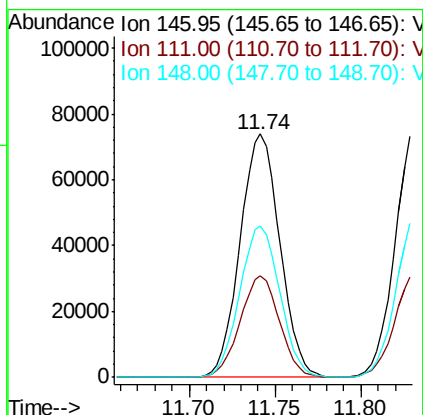
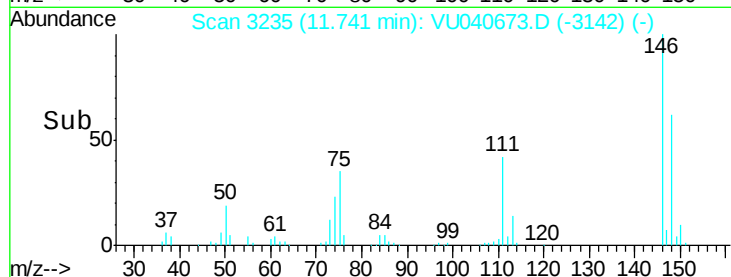
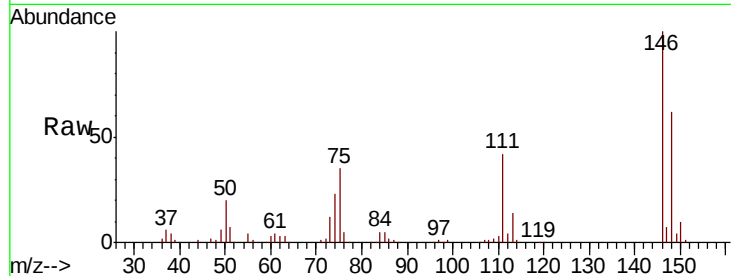
Tot Ion:146 Resp: 118674

Ion Ratio Lower Upper

146 100

111 41.9 28.8 53.6

148 62.3 44.4 82.4



#63

1,4-Dichlorobenzene

Concen: 5.278 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

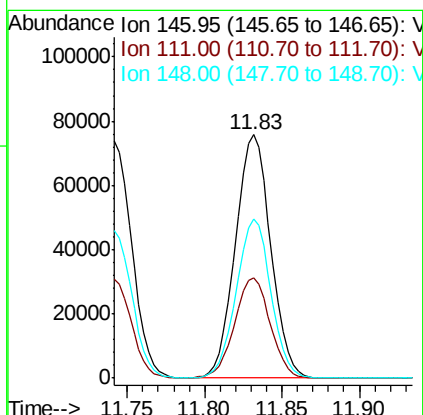
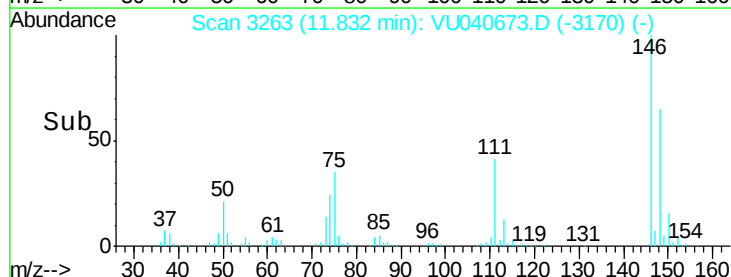
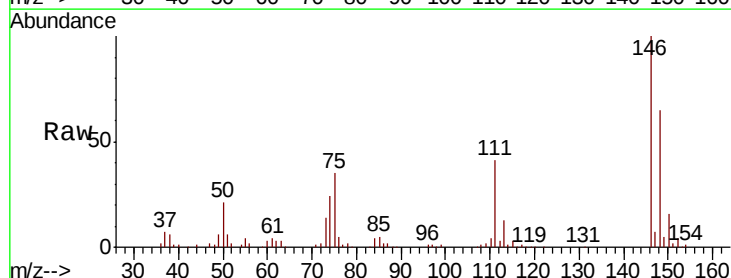
Tgt Ion:146 Resp: 120077

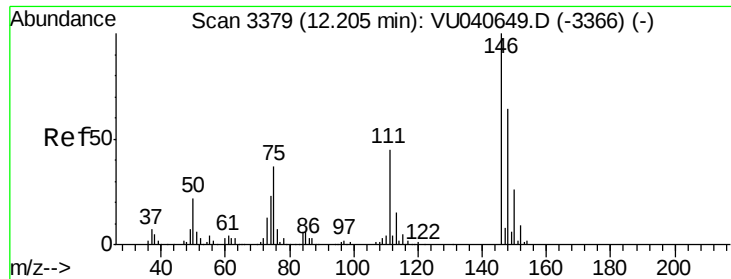
Ion Ratio Lower Upper

146 100

111 41.2 28.4 52.8

148 65.2 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 5.310 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

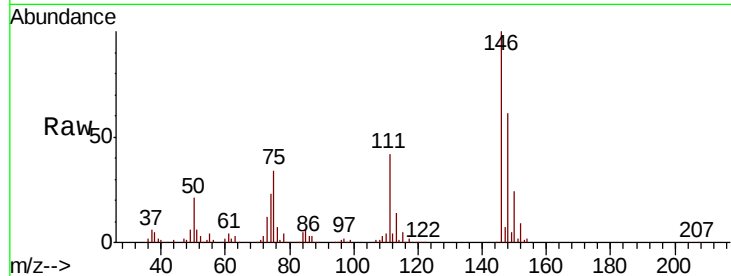
Tot Ion:146 Resp: 114541

Ion Ratio Lower Upper

146 100

111 42.1 34.4 51.6

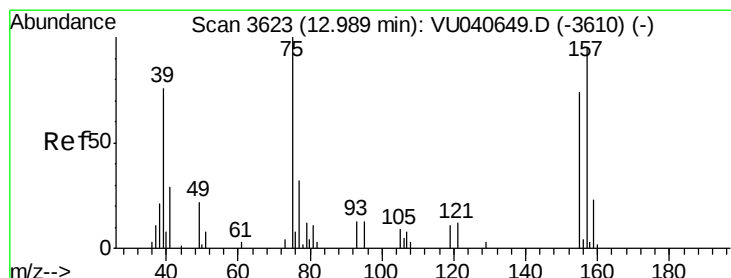
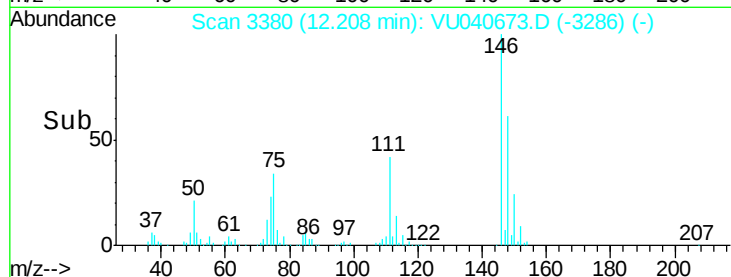
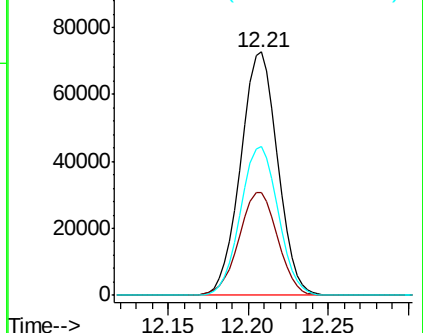
148 61.4 50.0 75.0



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: 4.967 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

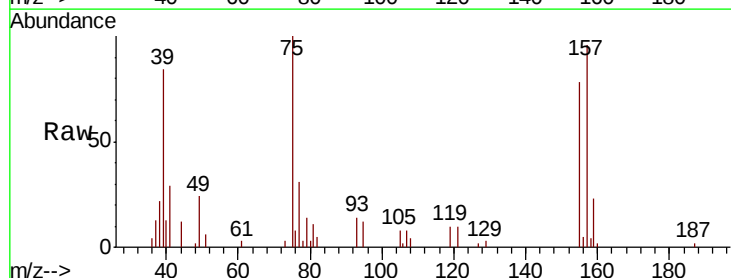
Tgt Ion: 75 Resp: 9381

Ion Ratio Lower Upper

75 100

155 77.7 53.8 80.6

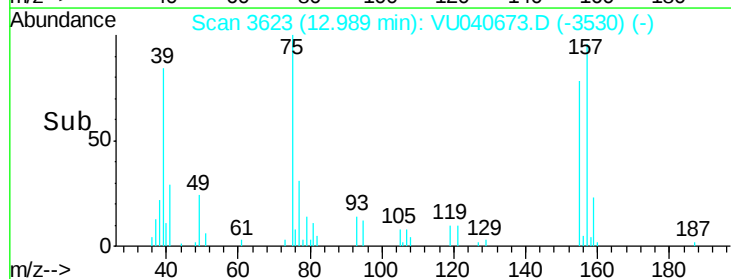
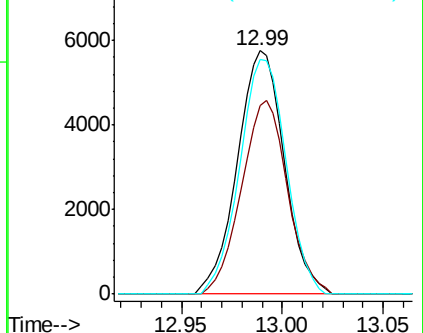
157 96.5 74.6 112.0

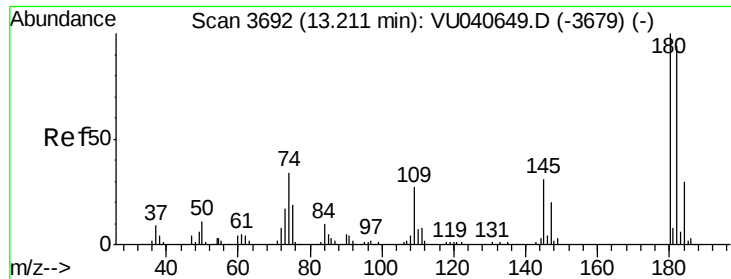


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

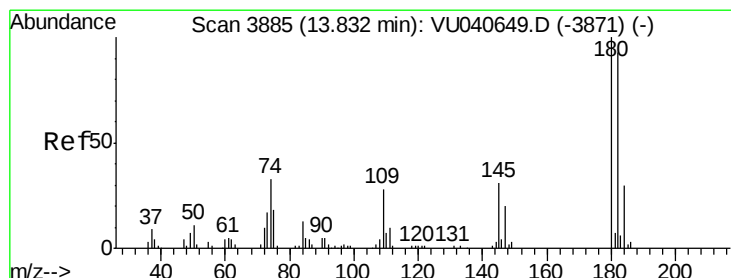
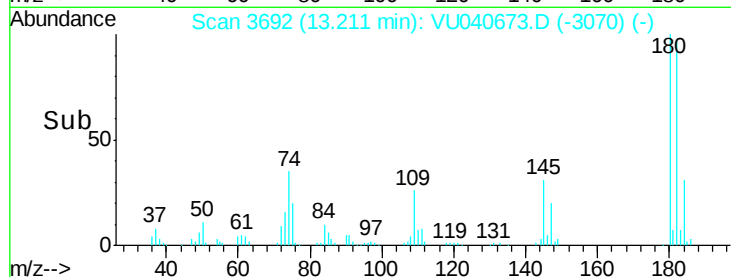
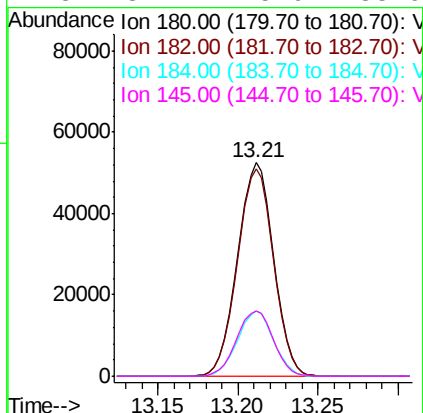
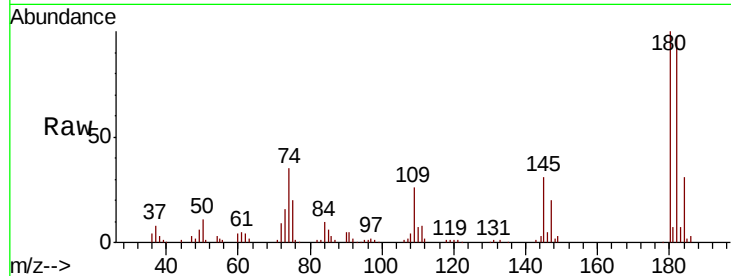




#67
 1,3,5-Trichlorobenzene
 Concen: 5.148 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

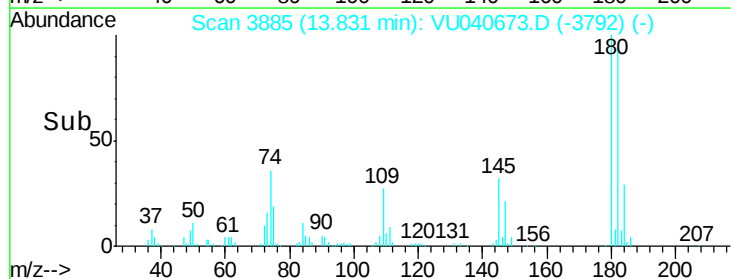
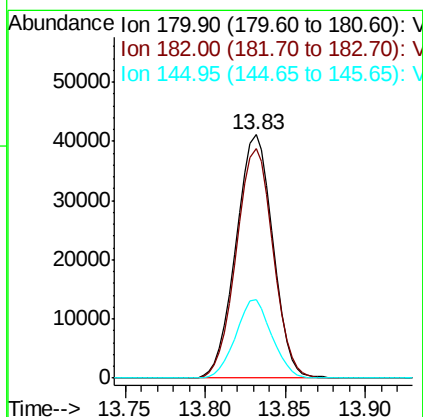
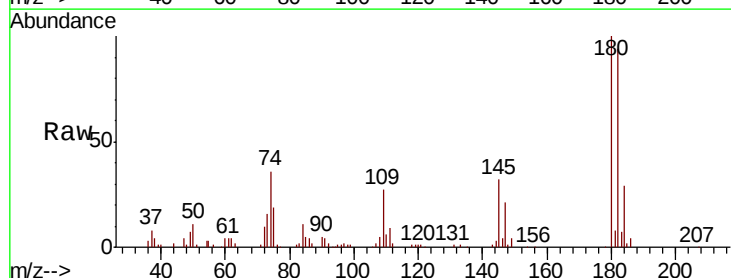
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

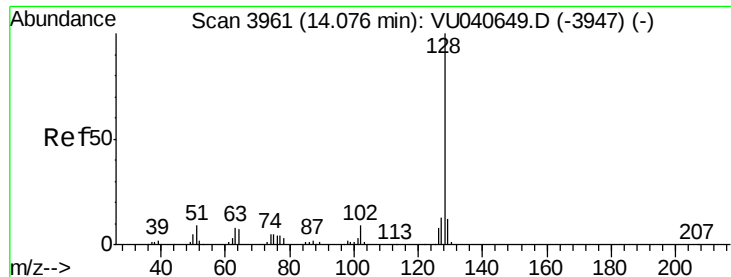
Tot Ion:180	Resp:	80586
Ion Ratio	Lower	Upper
180	100	
182	97.2	77.0 115.4
184	30.6	24.5 36.7
145	31.1	25.9 38.9



#68
 1,2,4-trichlorobenzene
 Concen: 5.314 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040673.D
 Acq: 13 Oct 2020 10:47

Tgt Ion:180	Resp:	64278
Ion Ratio	Lower	Upper
180	100	
182	94.3	78.8 118.2
145	31.5	26.1 39.1





#69

Naphthalene

Concen: 5.022 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

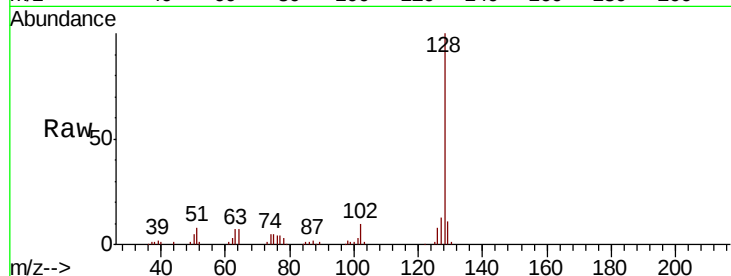
Tot Ion:128 Resp: 99364

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

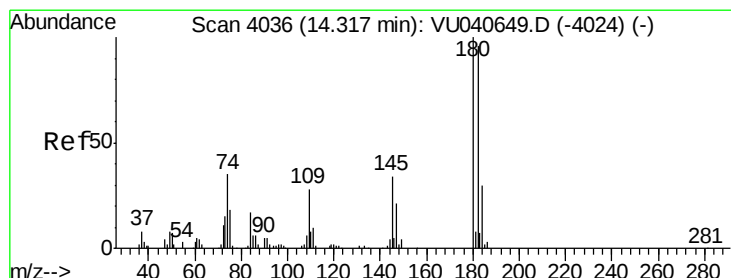
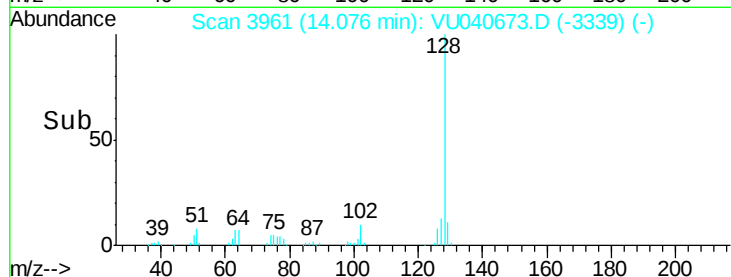
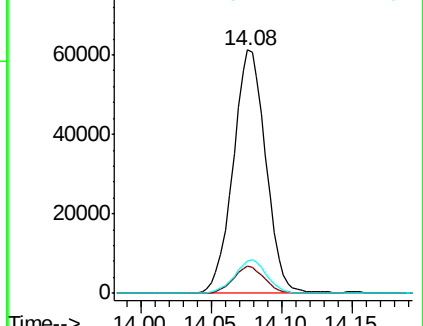
127 13.5 10.2 15.4



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: 5.404 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040673.D

Acq: 13 Oct 2020 10:47

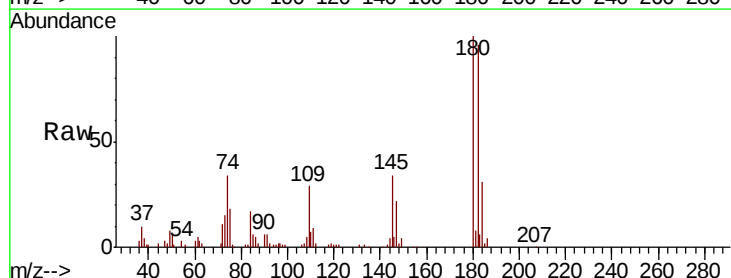
Tgt Ion:180 Resp: 60698

Ion Ratio Lower Upper

180 100

182 94.6 75.8 113.8

145 33.1 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

