

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101220\
 Data File : VU040671.D
 Acq On : 12 Oct 2020 20:01
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Quant Time: Oct 13 04:44:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 13 04:32:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	131486	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127947	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	68483	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	43230	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.92	69	37354	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.58	63	92249	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.60%
20) 2-Butanone-d5	4.66	46	180107	51.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.32%
24) Chloroform-d	5.08	84	93289	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	54920	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.74	84	165396	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.70	67	56453	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.91	98	149691	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	8.19	79	24522	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.64	63	131058	52.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.80%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52275	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	60087	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	58379	4.900	ug/L	98
3) Chloromethane	1.53	50	50679	4.549	ug/L	98
5) Vinyl chloride	1.61	62	54416	4.638	ug/L	100
6) Bromomethane	1.87	94	27380	4.298	ug/L	94
8) Chloroethane	1.94	64	36303	4.860	ug/L	98
9) Trichlorofluoromethane	2.15	101	82656	4.906	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	52710	4.819	ug/L	99
12) 1,1-Dichloroethene	2.59	96	46144	4.918	ug/L	97
13) Acetone	2.67	43	124815	46.185	ug/L	95
14) Carbon disulfide	2.81	76	118167	4.499	ug/L	100
15) Methyl Acetate	2.97	43	27406	4.441	ug/L	98
16) Methylene chloride	3.06	84	56325	4.676	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	132114	4.980	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	47573	4.844	ug/L	98
19) 1,1-Dichloroethane	3.89	63	101545	5.000	ug/L	99
21) 2-Butanone	4.74	43	206761	49.073	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	55365	5.228	ug/L	96

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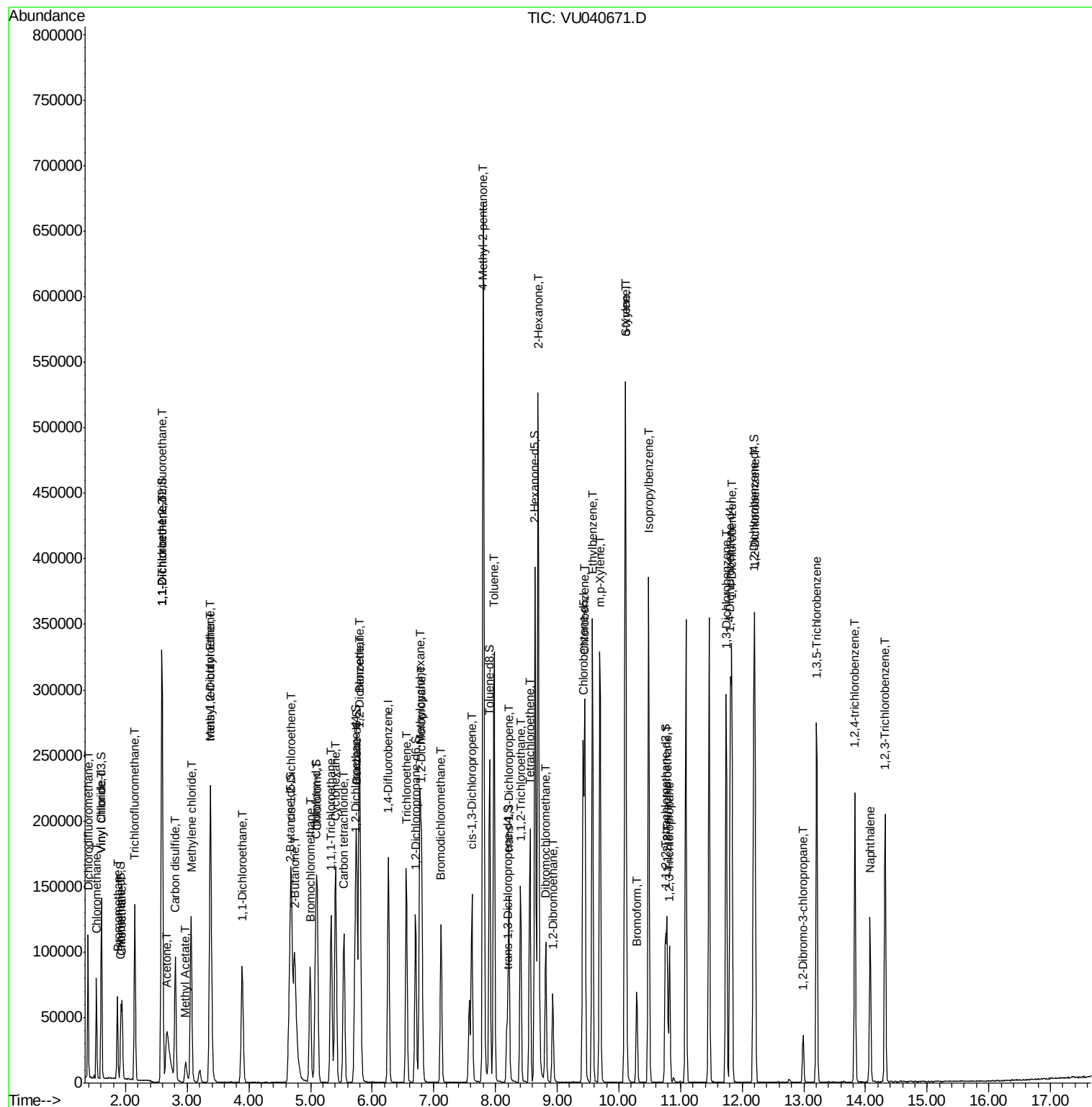
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	25655	4.876	ug/L	97
25) Chloroform	5.11	83	108556	5.235	ug/L	97
27) 1,2-Dichloroethane	5.81	62	73355	4.998	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	87605	5.095	ug/L	98
30) Cyclohexane	5.41	56	75537	4.768	ug/L	98
31) Carbon tetrachloride	5.54	117	76423	5.194	ug/L	100
33) Benzene	5.79	78	213117	5.185	ug/L	100
34) Trichloroethene	6.56	95	53652	5.035	ug/L	96
35) Methylcyclohexane	6.77	83	71197	4.712	ug/L	99
37) 1,2-Dichloropropane	6.80	63	59638	5.207	ug/L	99
38) Bromodichloromethane	7.11	83	75563	5.161	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	79923	5.107	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	466639	51.105	ug/L	100
42) Toluene	7.98	91	221060	5.278	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	75220	5.222	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	44037	5.134	ug/L	97
47) Tetrachloroethene	8.56	164	39455	5.190	ug/L	95
48) 2-Hexanone	8.69	43	356908	52.500	ug/L	99
49) Dibromochloromethane	8.81	129	52471	5.316	ug/L	97
50) 1,2-Dibromoethane	8.93	107	40611	4.991	ug/L	99
51) Chlorobenzene	9.45	112	141923	5.144	ug/L	98
52) Ethylbenzene	9.57	91	234807	5.180	ug/L	99
53) m,p-Xylene	9.69	106	88065	5.330	ug/L	98
54) o-Xylene	10.10	106	84824	5.338	ug/L	98
55) Styrene	10.11	104	153243	5.553	ug/L	99
56) Isopropylbenzene	10.48	105	228402	5.340	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	58275	5.174	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	42749	5.081	ug/L	97
61) Bromoform	10.29	173	29774	5.072	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	113147	5.048	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	114532	4.956	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	110489	5.042	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9587	4.997	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	78139	4.913	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	59501	4.842	ug/L	99
69) Naphthalene	14.08	128	97295	4.840	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	57839	5.069	ug/L	99

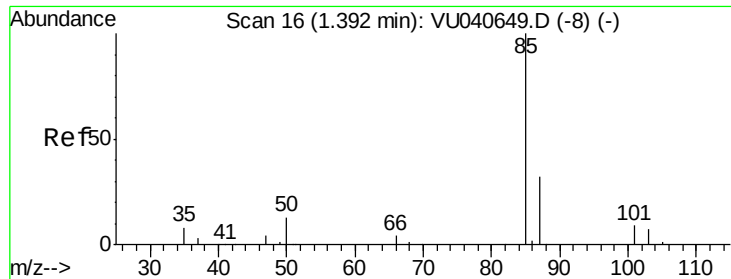
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.900 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

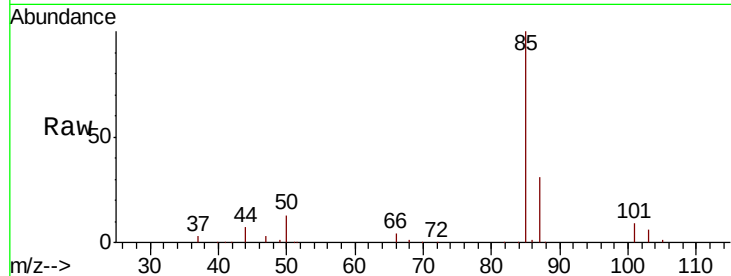
VSTD00529

Tot Ion: 85 Resp: 58379

Ion Ratio Lower Upper

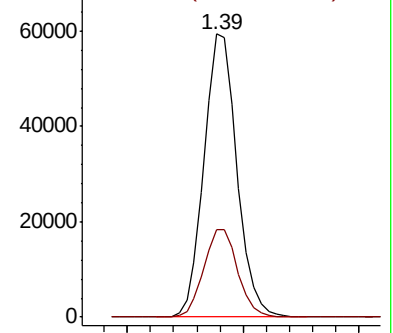
85 100

87 31.8 26.2 39.4

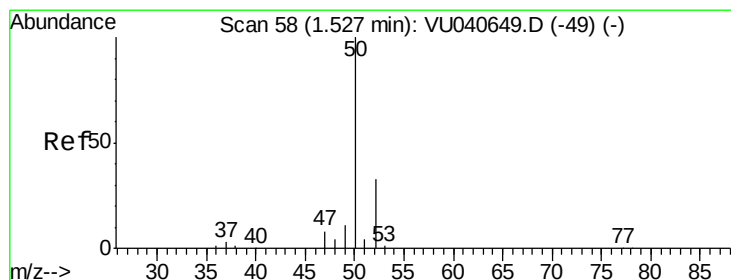
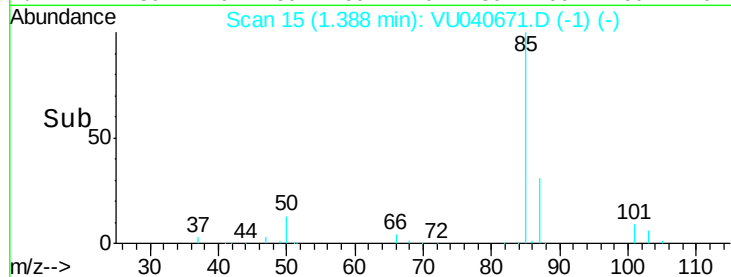


Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



Time-->



#3

Chloromethane

Concen: 4.549 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040671.D

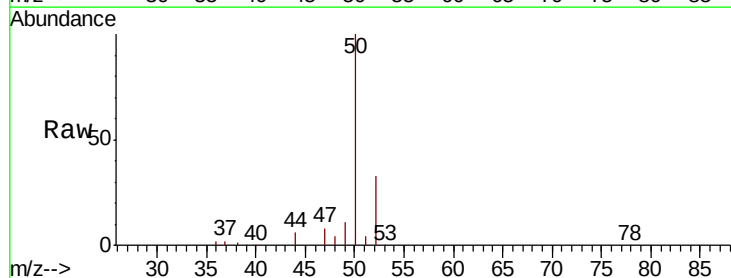
Acq: 12 Oct 2020 20:01

Tgt Ion: 50 Resp: 50679

Ion Ratio Lower Upper

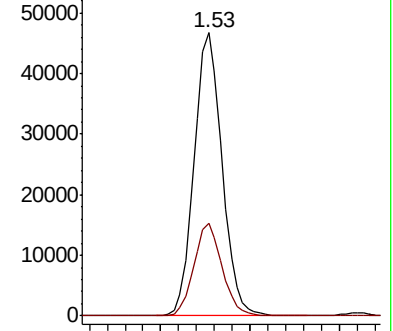
50 100

52 32.6 21.9 40.7

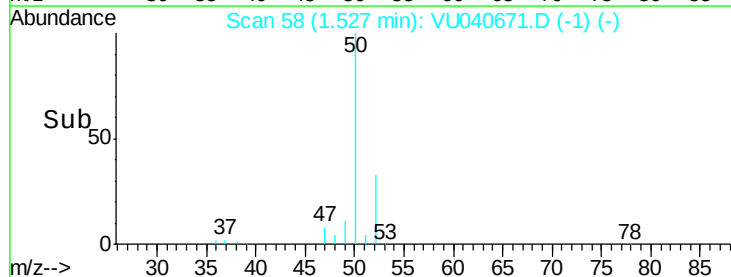


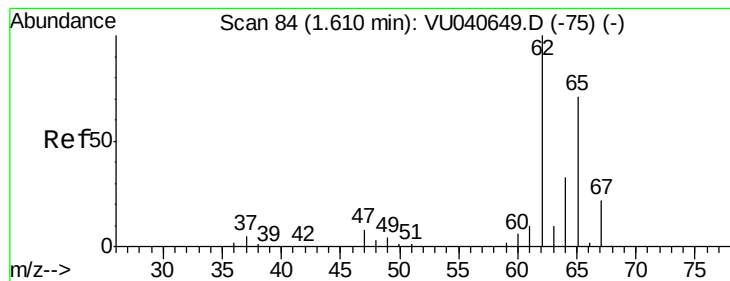
Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->





#5

Vinyl chloride

Concen: 4.638 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

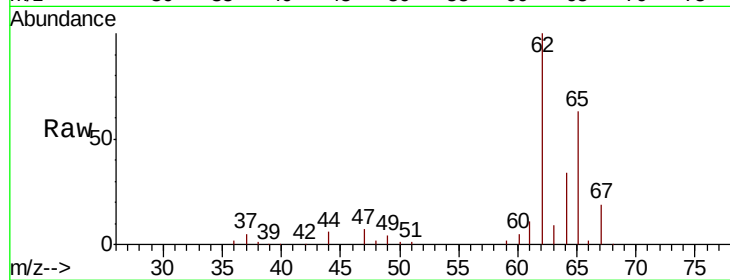
VSTD00529

Tot Ion: 62 Resp: 54416

Ion Ratio Lower Upper

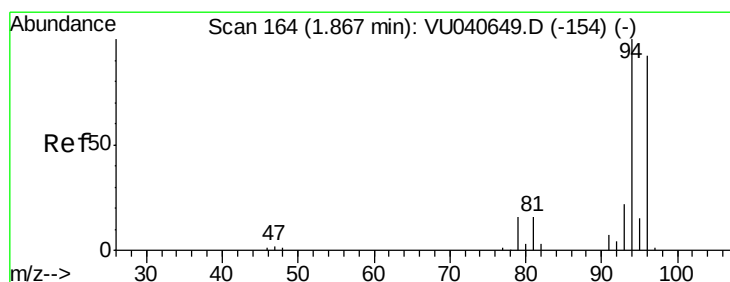
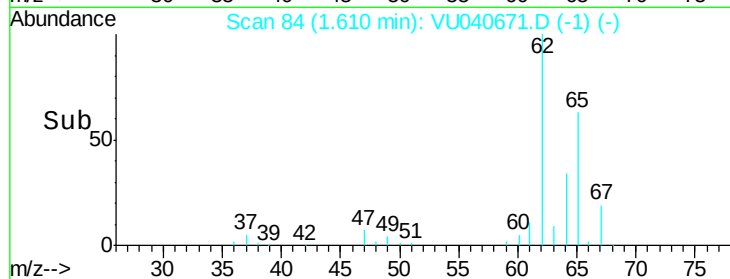
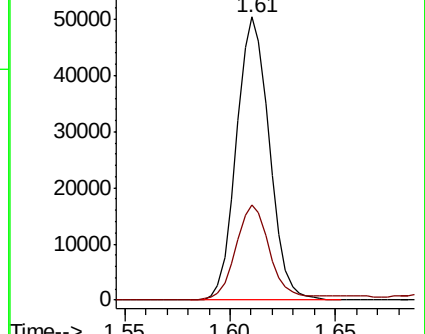
62 100

64 33.7 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: 4.298 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040671.D

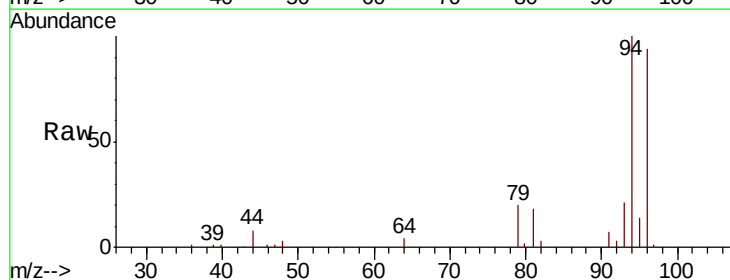
Acq: 12 Oct 2020 20:01

Tgt Ion: 94 Resp: 27380

Ion Ratio Lower Upper

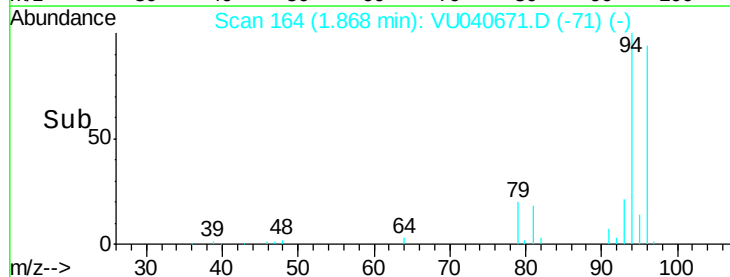
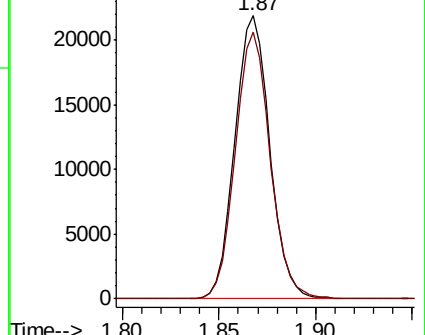
94 100

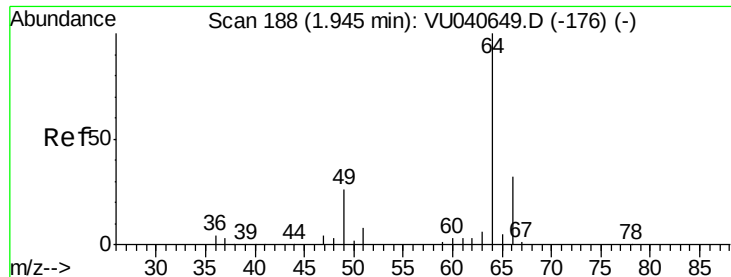
96 94.1 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.860 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

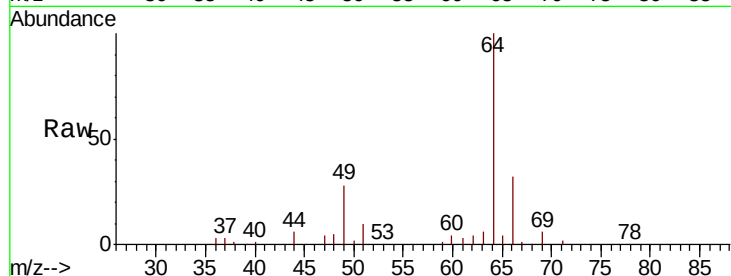
VSTD00529

Tot Ion: 64 Resp: 36303

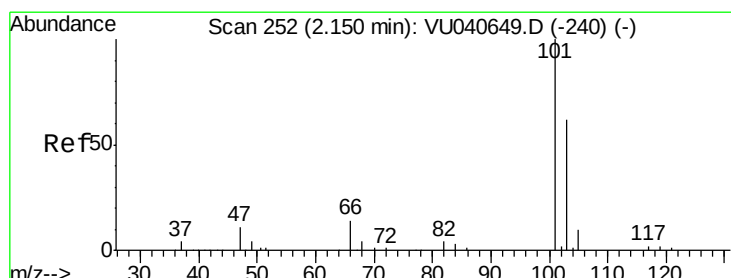
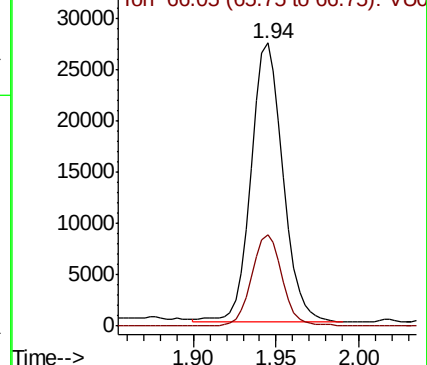
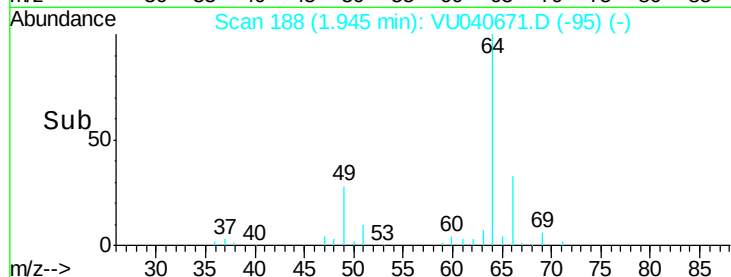
Ion Ratio Lower Upper

64 100

66 32.2 23.3 43.3



Abundance Ion 64.10 (63.80 to 64.80): VU040671.D (-95) (-)



#9

Trichlorofluoromethane

Concen: 4.906 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040671.D

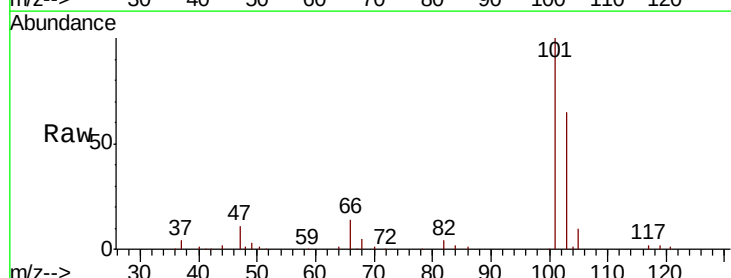
Acq: 12 Oct 2020 20:01

Tgt Ion: 101 Resp: 82656

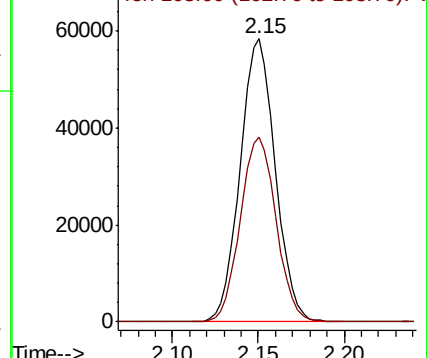
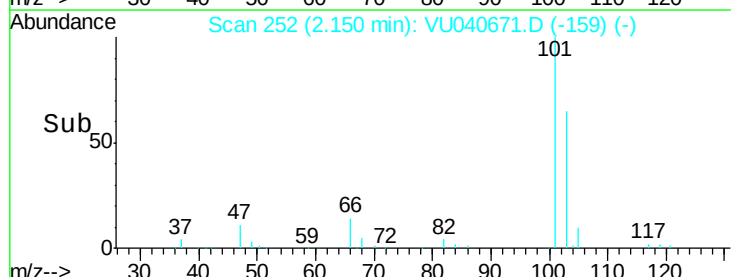
Ion Ratio Lower Upper

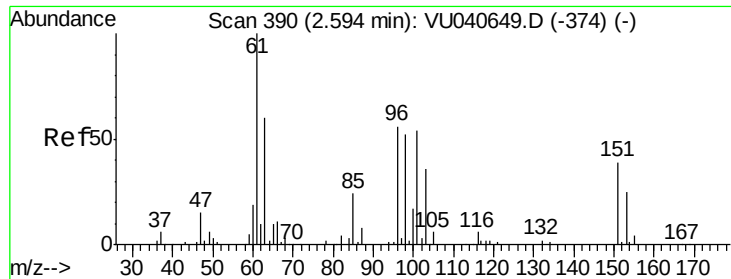
101 100

103 66.7 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU040671.D (-159) (-)





#10

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

Concen: 4.819 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

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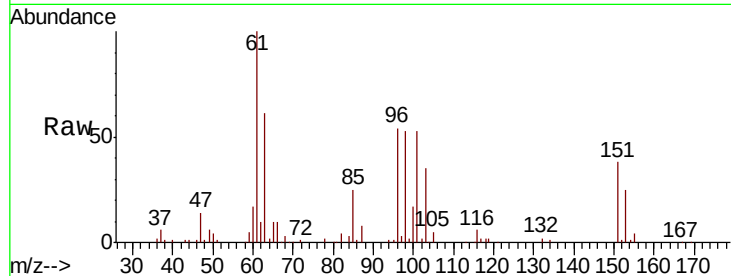
Tot Ion:101 Resp: 52710

Ion Ratio Lower Upper

101 100

85 45.5 36.7 55.1

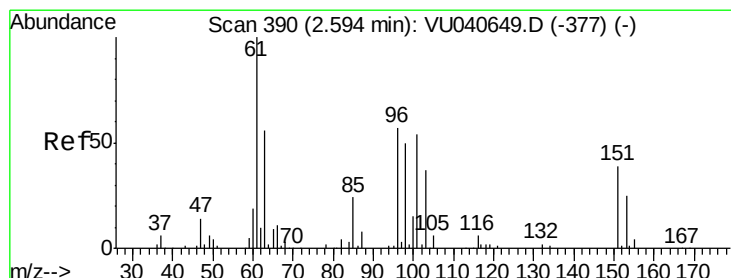
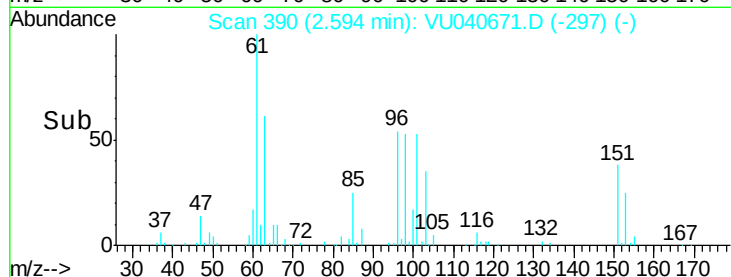
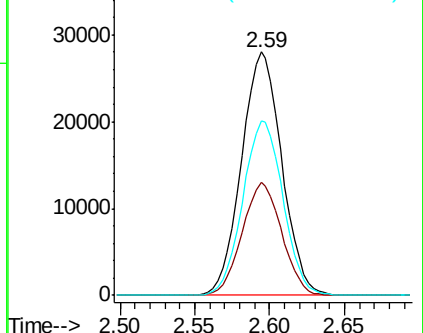
151 71.3 58.0 87.0



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: 4.918 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

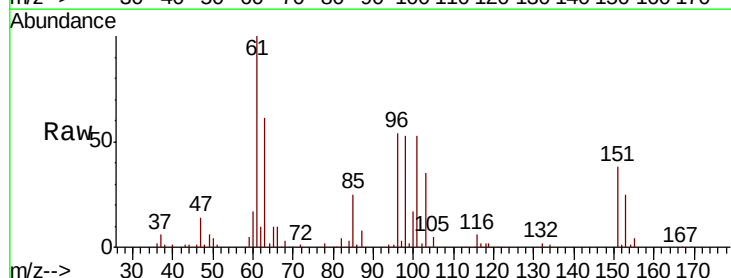
Tgt Ion: 96 Resp: 46144

Ion Ratio Lower Upper

96 100

61 184.6 128.8 239.2

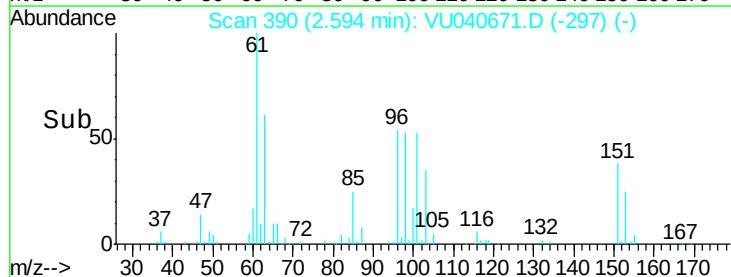
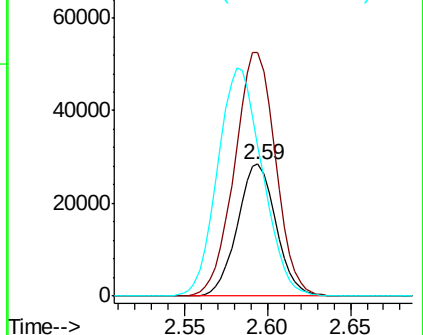
63 113.4 84.6 157.2

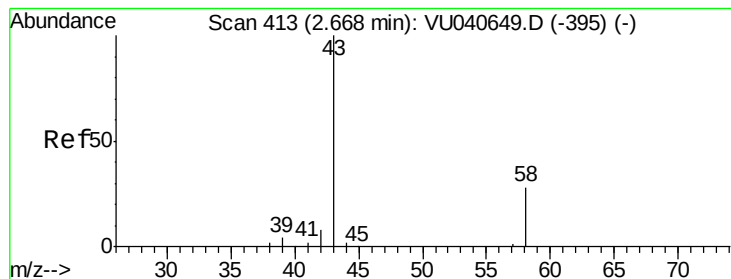


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.185 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040671.D

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MSVOA_U

ClientSampled :

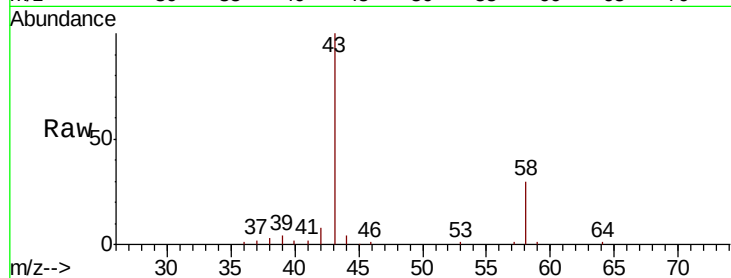
VSTD00529

Tot Ion: 43 Resp: 124815

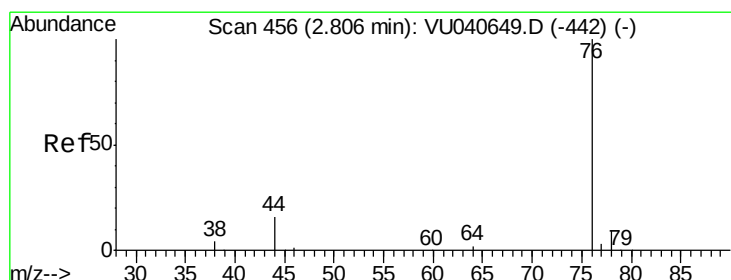
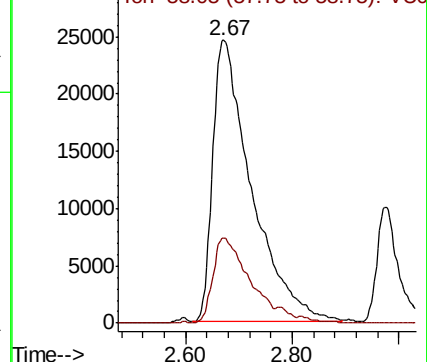
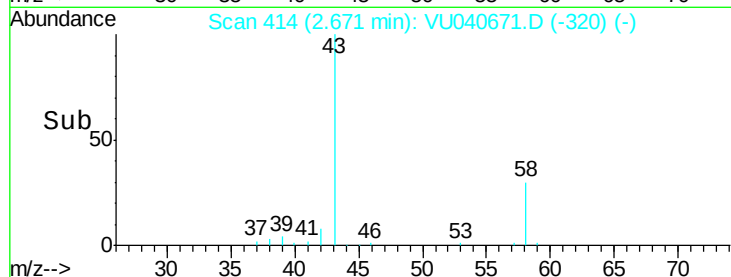
Ion Ratio Lower Upper

43 100

58 27.5 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040671.D (-320) (-)



#14

Carbon disulfide

Concen: 4.499 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040671.D

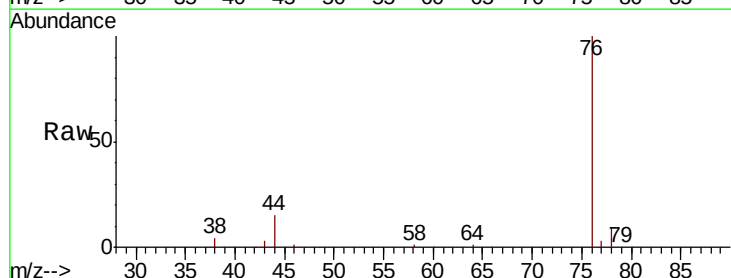
Acq: 12 Oct 2020 20:01

Tgt Ion: 76 Resp: 118167

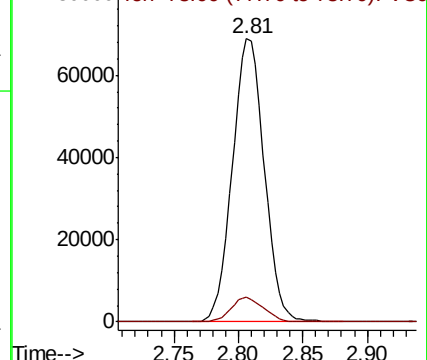
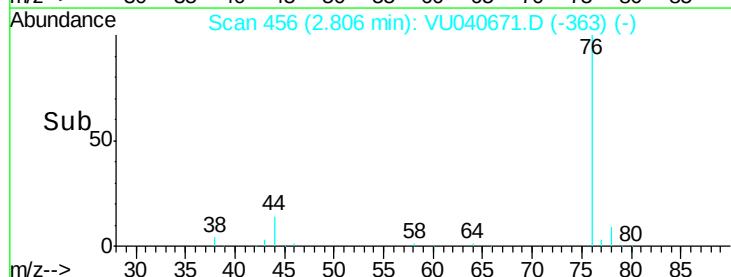
Ion Ratio Lower Upper

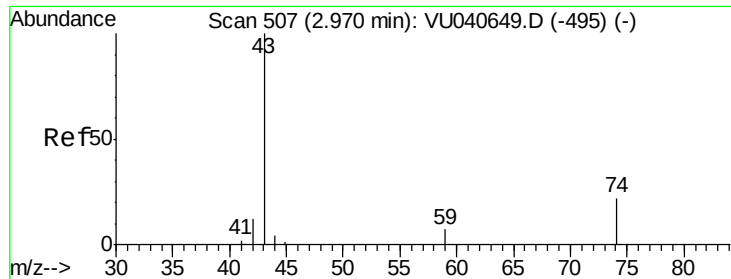
76 100

78 8.6 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040671.D (-363) (-)





#15

Methyl Acetate

Concen: 4.441 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

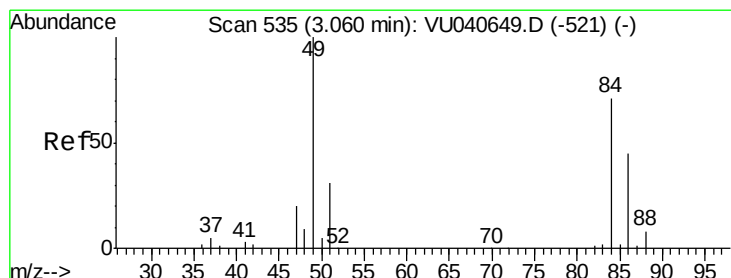
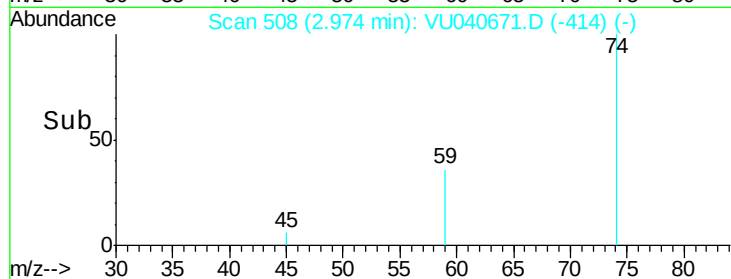
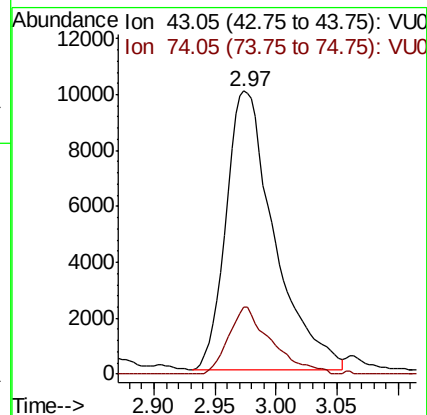
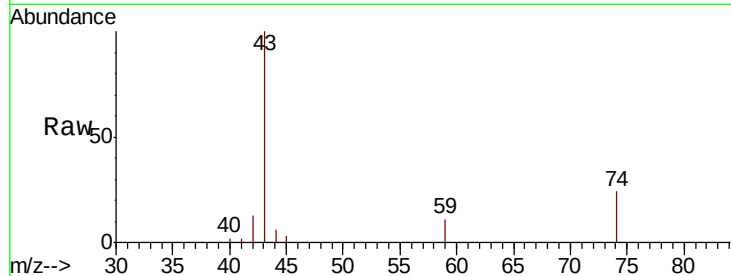
VSTD00529

Tot Ion: 43 Resp: 27406

Ion Ratio Lower Upper

43 100

74 21.3 16.5 24.7



#16

Methylene chloride

Concen: 4.676 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

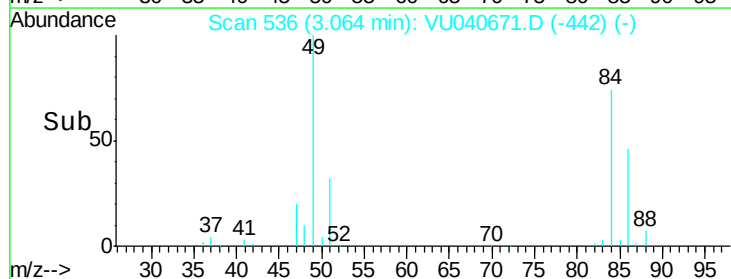
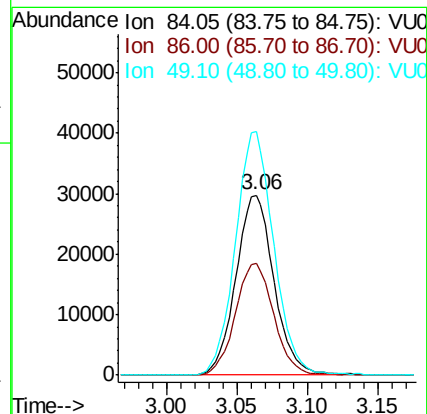
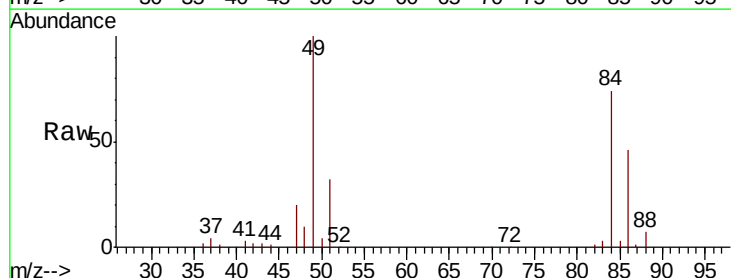
Tgt Ion: 84 Resp: 56325

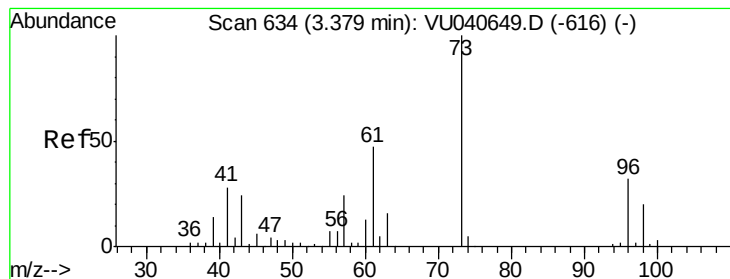
Ion Ratio Lower Upper

84 100

86 62.2 45.4 84.4

49 135.3 99.8 185.3



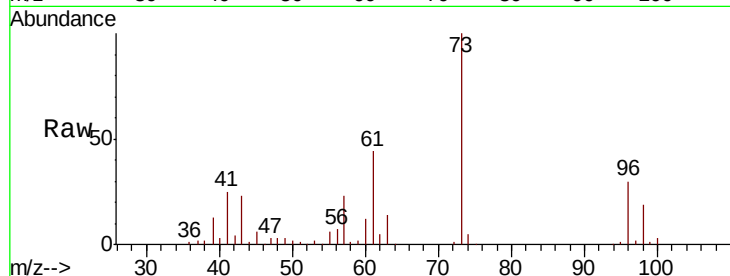


#17

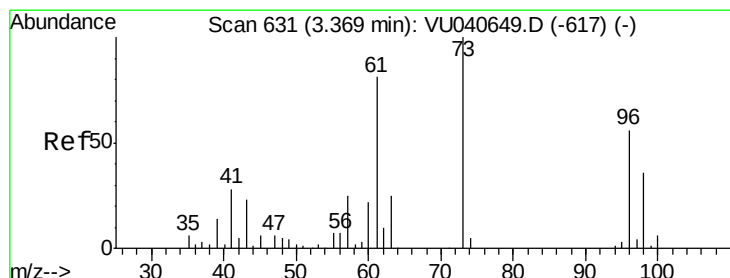
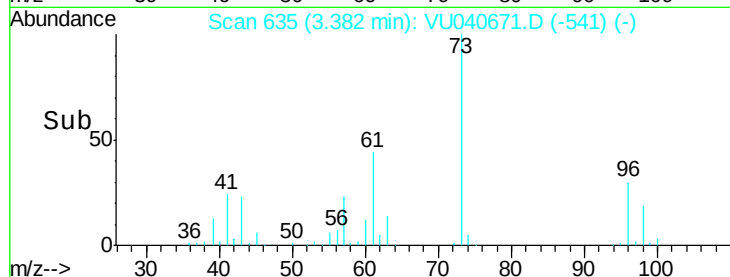
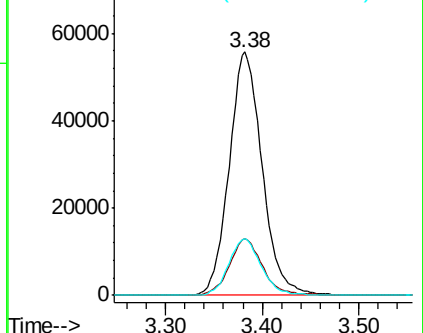
Methyl tert-butyl Ether
 Concen: 4.980 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00529

Tot Ion: 73 Resp: 132114
 Ion Ratio Lower Upper
 73 100
 43 23.5 18.2 27.4
 57 23.0 18.6 28.0



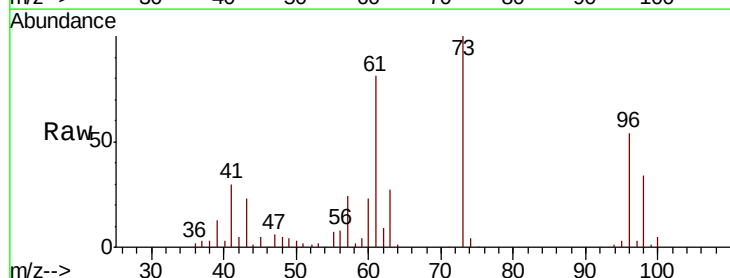
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



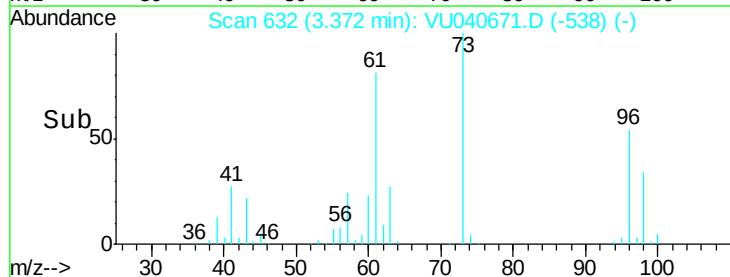
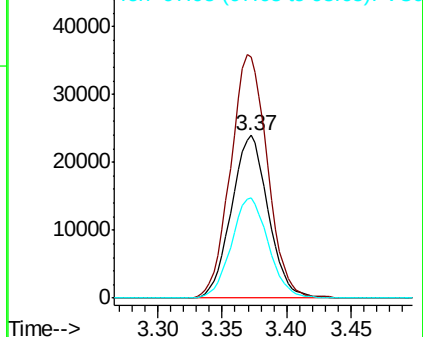
#18

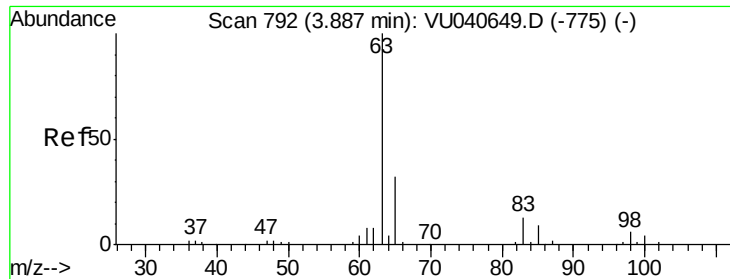
trans-1,2-Dichloroethene
 Concen: 4.844 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

Tgt Ion: 96 Resp: 47573
 Ion Ratio Lower Upper
 96 100
 61 148.3 105.9 196.7
 98 61.7 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

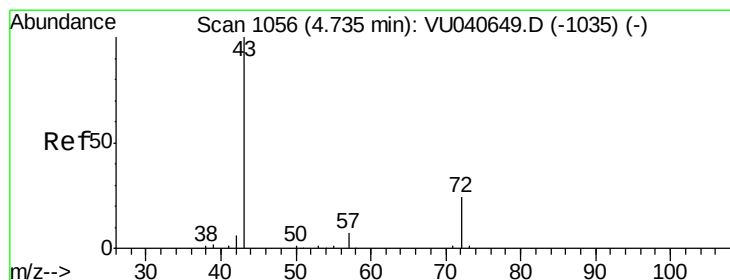
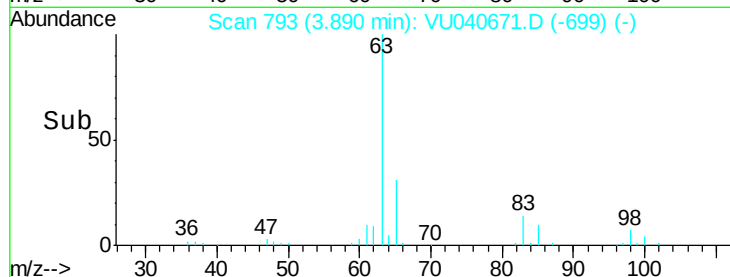
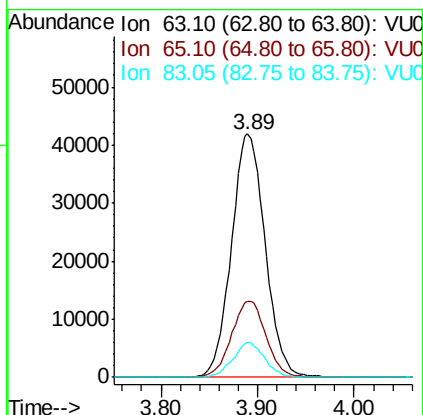
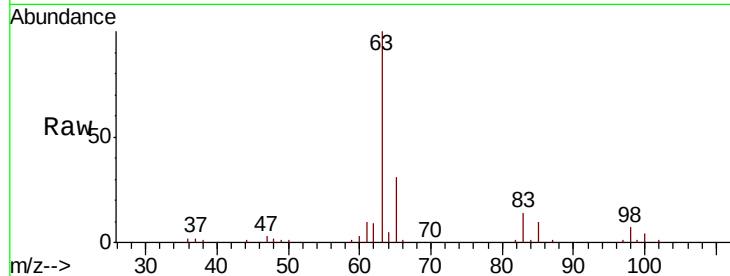




#19
 1,1-Dichloroethane
 Concen: 5.000 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

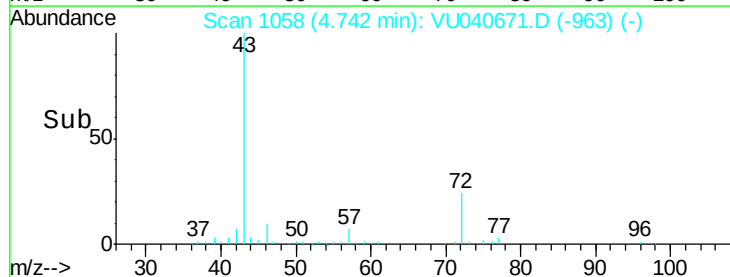
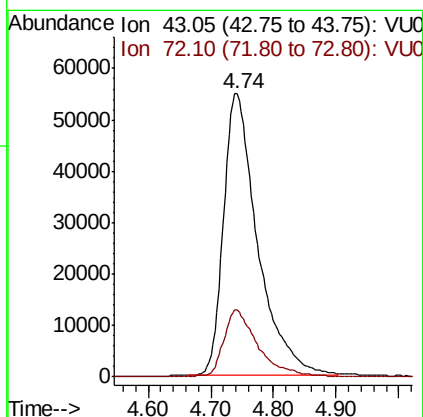
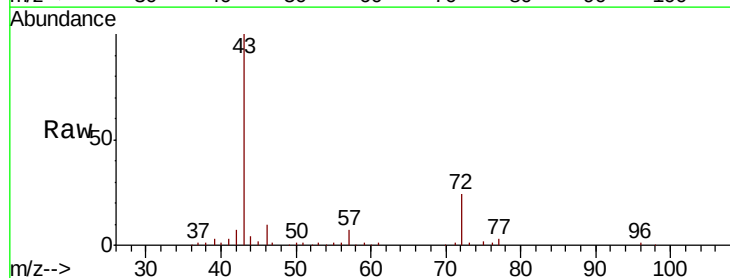
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

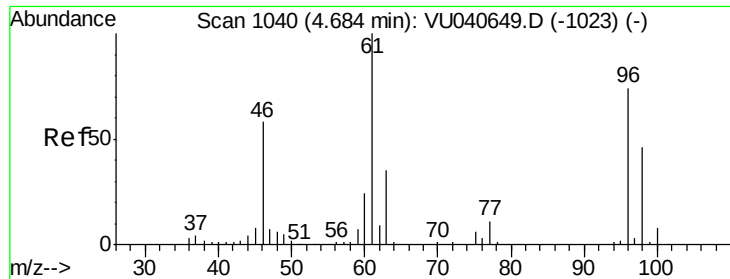
Tot Ion: 63 Resp: 101545
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.9 40.7
 83 14.3 9.6 17.8



#21
 2-Butanone
 Concen: 49.073 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

Tgt Ion: 43 Resp: 206761
 Ion Ratio Lower Upper
 43 100
 72 23.1 11.4 34.2





#22

cis-1,2-Dichloroethene

Concen: 5.228 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

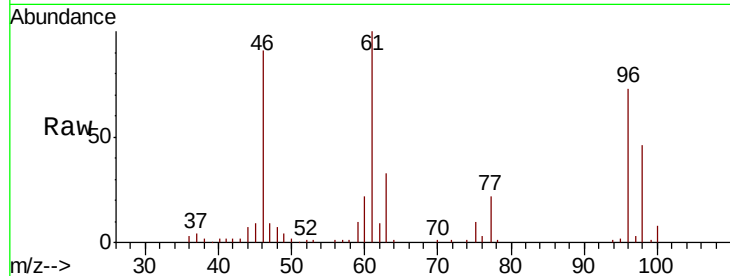
Tot Ion: 96 Resp: 55365

Ion Ratio Lower Upper

96 100

61 137.1 99.8 185.4

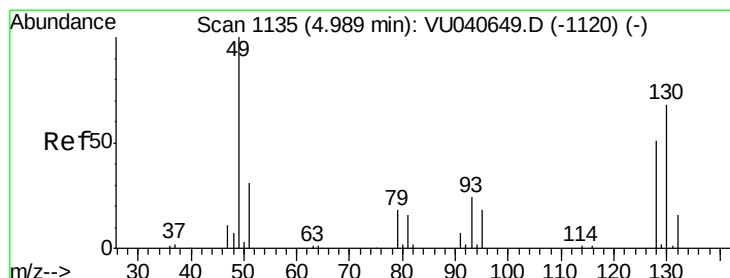
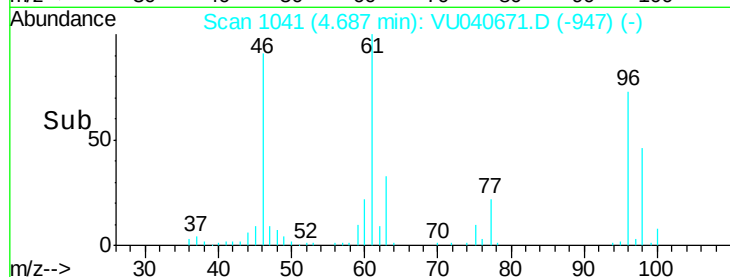
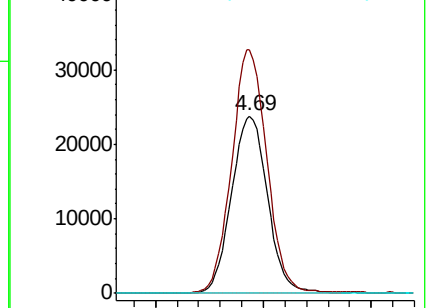
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040671.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040671.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040671.D (-947) (-)



#23

Bromochloromethane

Concen: 4.876 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Tgt Ion: 128 Resp: 25655

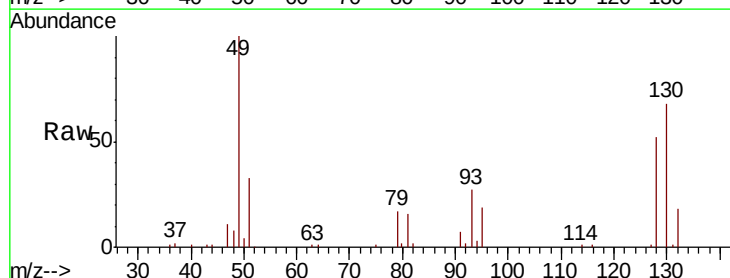
Ion Ratio Lower Upper

128 100

49 192.1 132.2 245.4

130 130.2 89.2 165.8

51 63.3 45.3 67.9

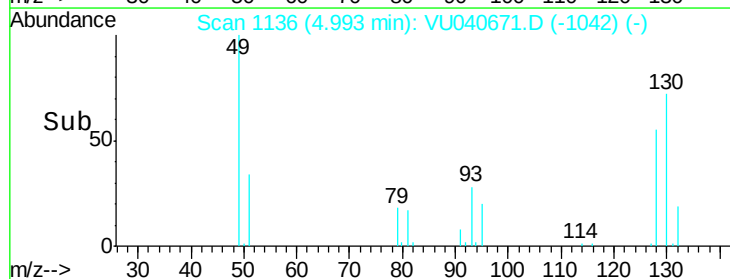
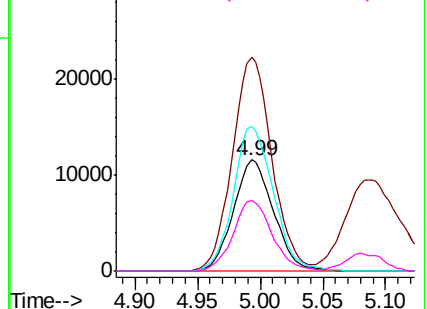


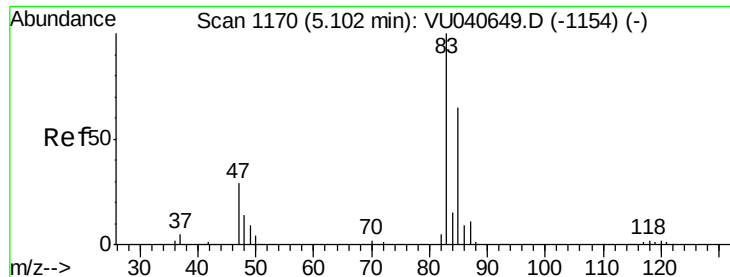
Abundance Ion 127.90 (127.60 to 128.60): VU040671.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040671.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040671.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040671.D (-1042) (-)





#25

Chloroform

Concen: 5.235 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

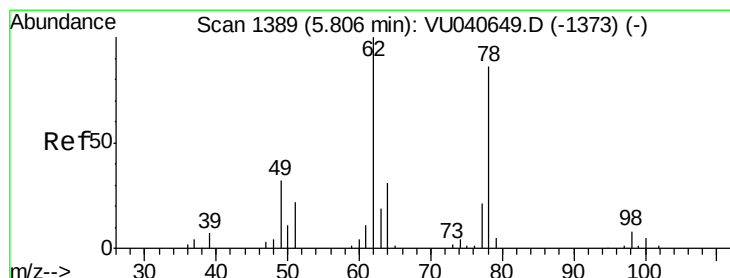
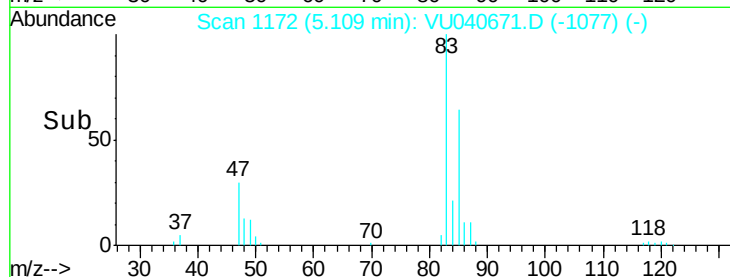
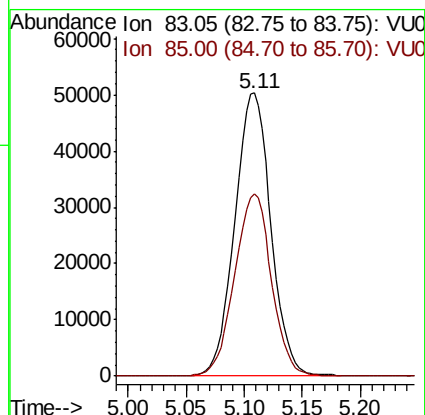
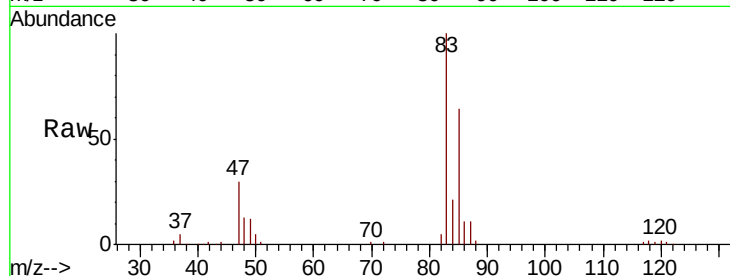
VSTD00529

Tot Ion: 83 Resp: 108556

Ion Ratio Lower Upper

83 100

85 64.4 46.5 86.5



#27

1,2-Dichloroethane

Concen: 4.998 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU040671.D

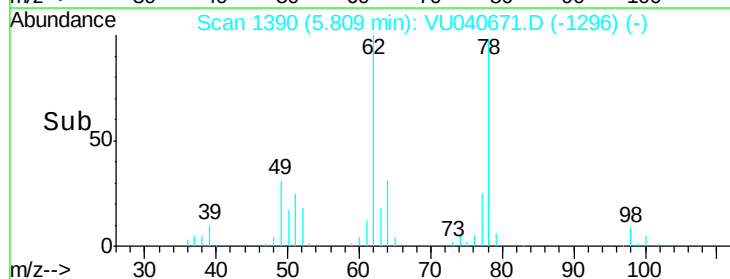
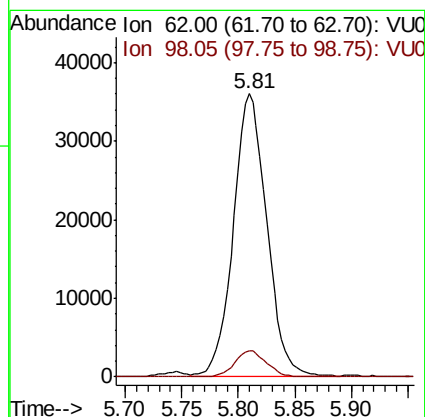
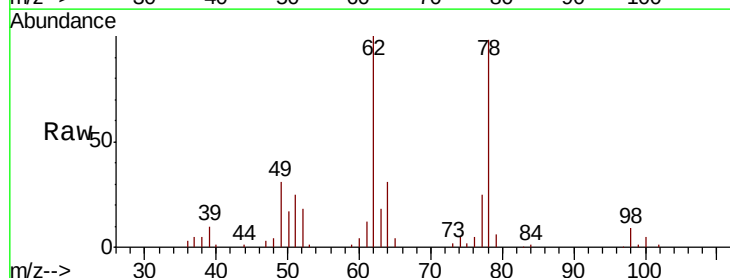
Acq: 12 Oct 2020 20:01

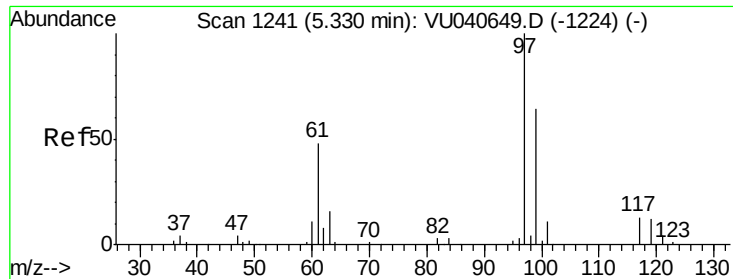
Tgt Ion: 62 Resp: 73355

Ion Ratio Lower Upper

62 100

98 9.4 6.6 10.0

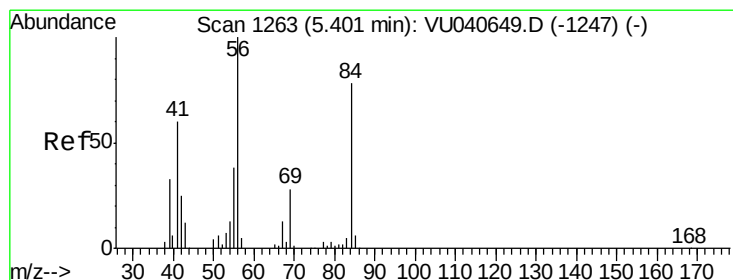
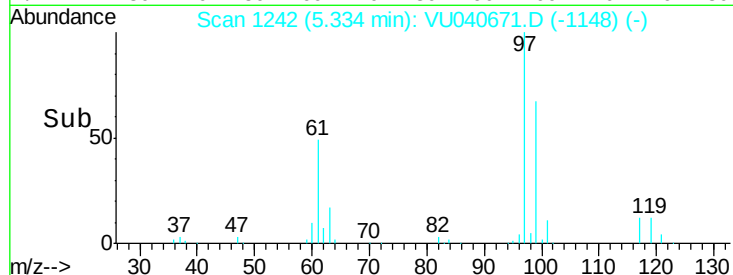
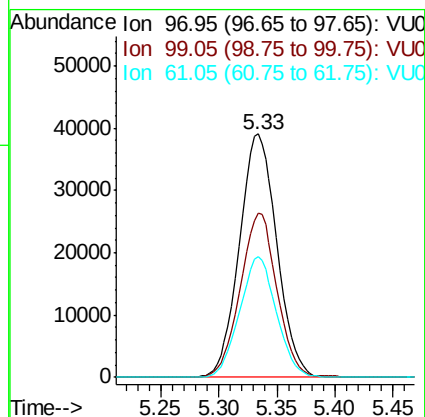
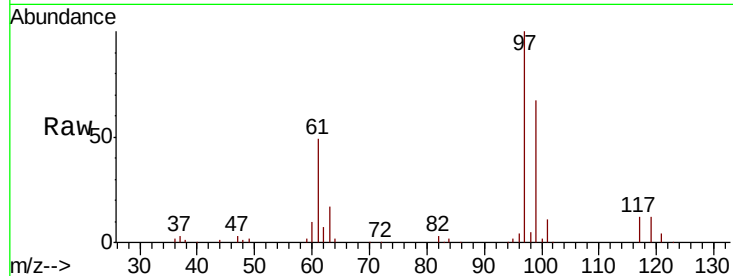




#29
 1,1,1-Trichloroethane
 Concen: 5.095 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

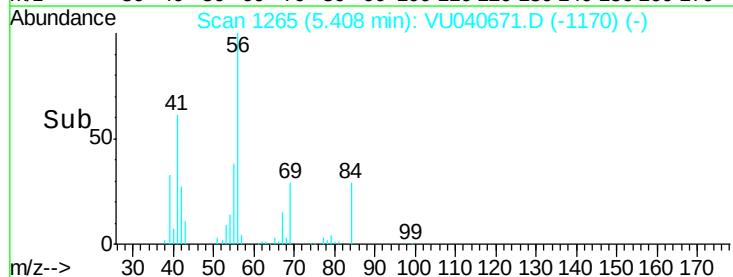
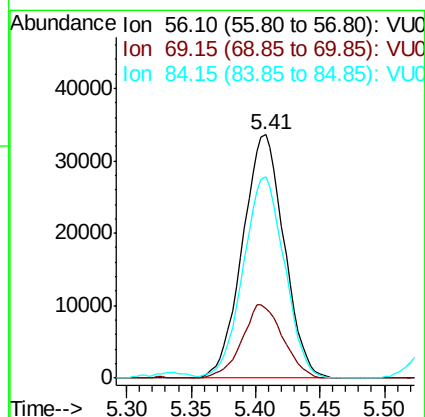
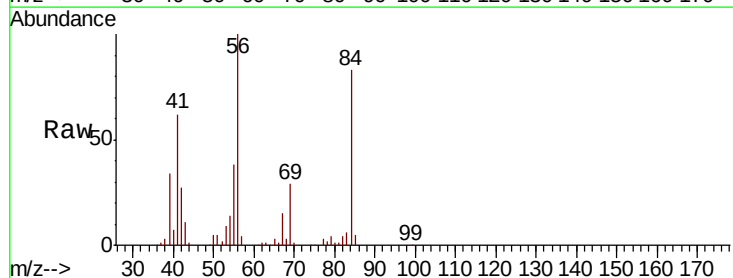
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

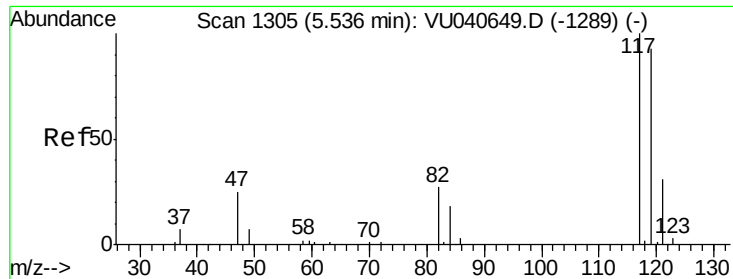
Tot Ion: 97 Resp: 87605
 Ion Ratio Lower Upper
 97 100
 99 66.0 51.3 76.9
 61 48.8 39.4 59.2



#30
 Cyclohexane
 Concen: 4.768 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

Tgt Ion: 56 Resp: 75537
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.8 35.8
 84 82.0 64.0 96.0

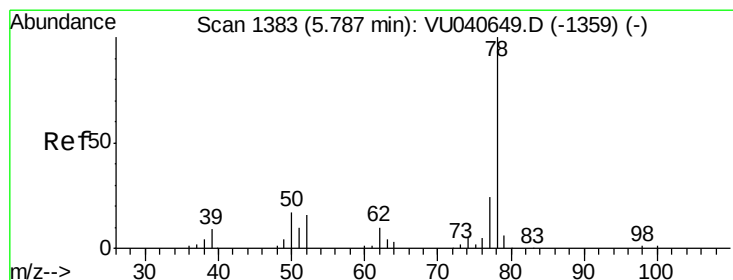
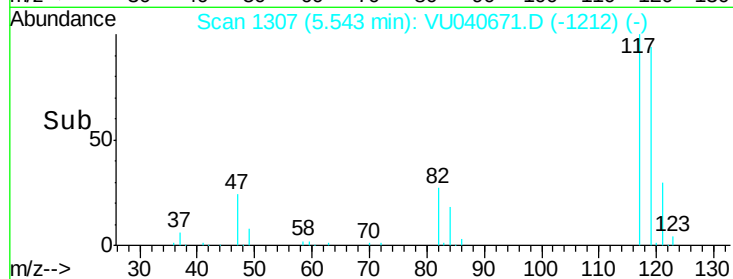
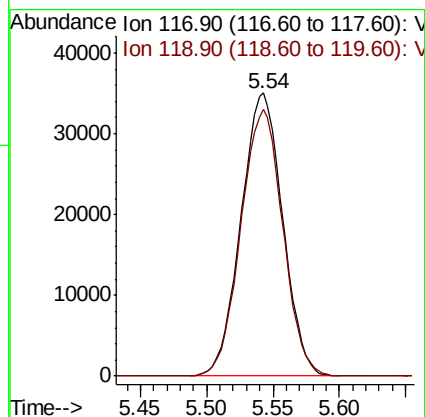
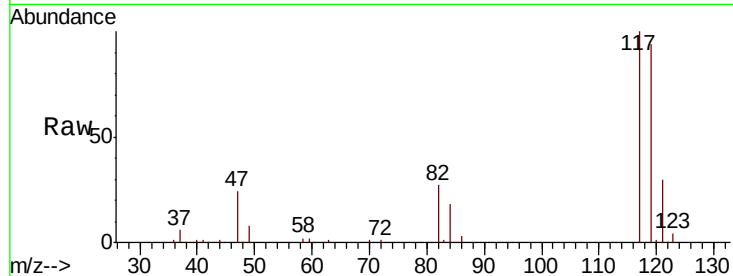




#31
Carbon tetrachloride
Concen: 5.194 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.01 min
Lab File: VU040671.D
Acq: 12 Oct 2020 20:01

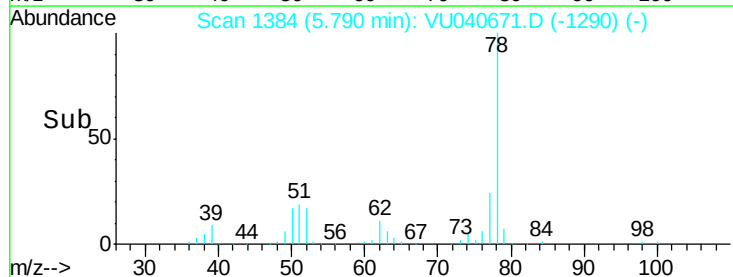
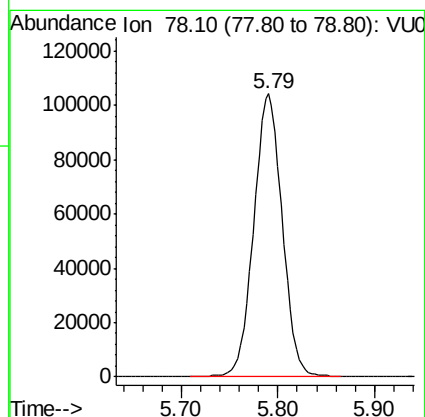
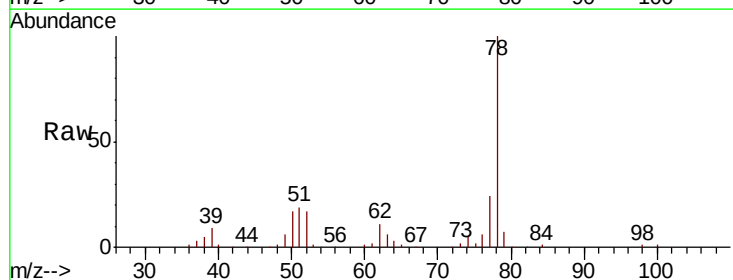
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

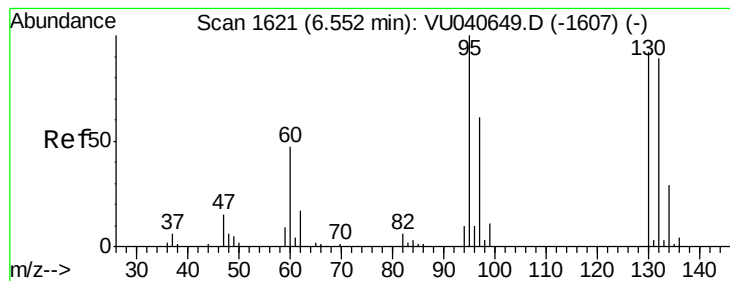
Tot Ion:117 Resp: 76423
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.2



#33
Benzene
Concen: 5.185 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040671.D
Acq: 12 Oct 2020 20:01

Tgt Ion: 78 Resp: 213117





#34

Trichloroethene

Concen: 5.035 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

Tot Ion: 95 Resp: 53652

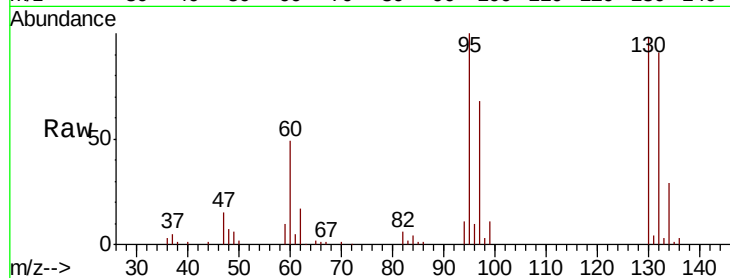
Ion Ratio Lower Upper

95 100

97 68.1 45.5 84.5

132 91.0 67.5 125.4

130 97.9 69.9 129.9

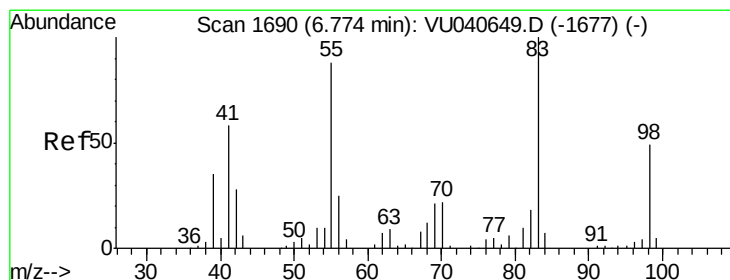
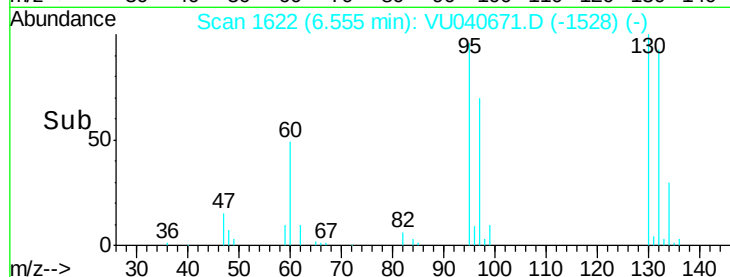
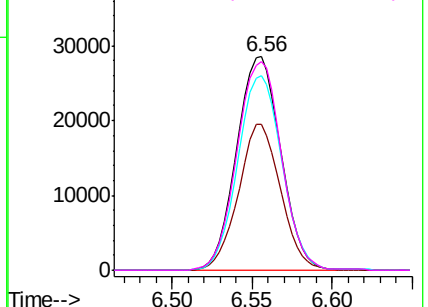


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.712 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

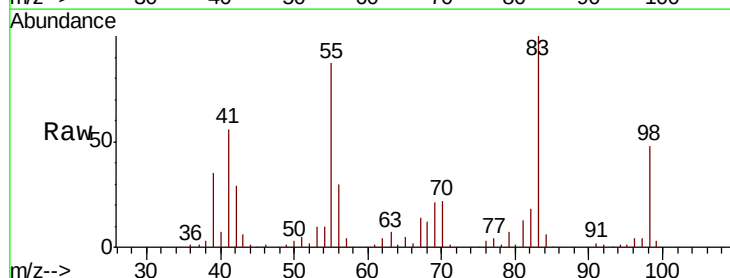
Tgt Ion: 83 Resp: 71197

Ion Ratio Lower Upper

83 100

55 89.4 70.7 106.1

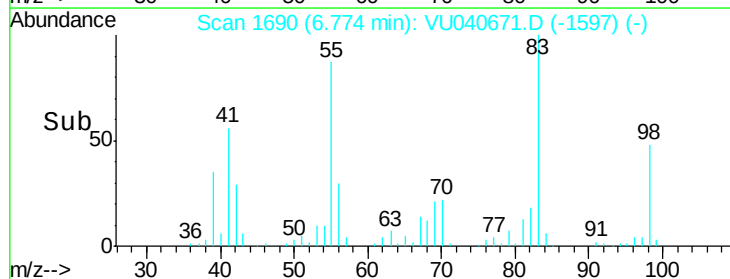
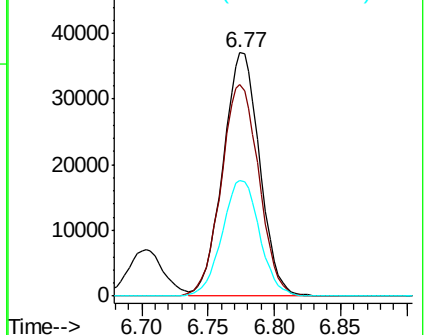
98 48.4 38.4 57.6

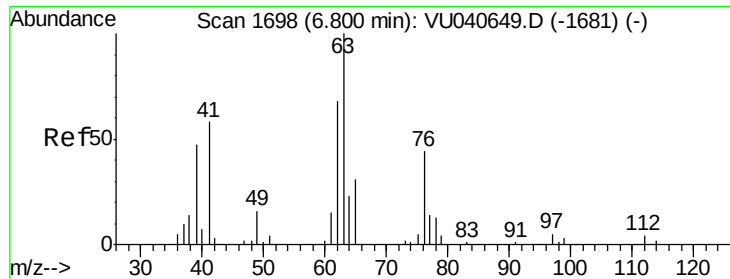


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

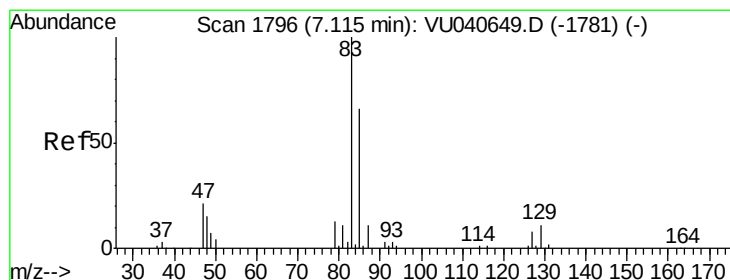
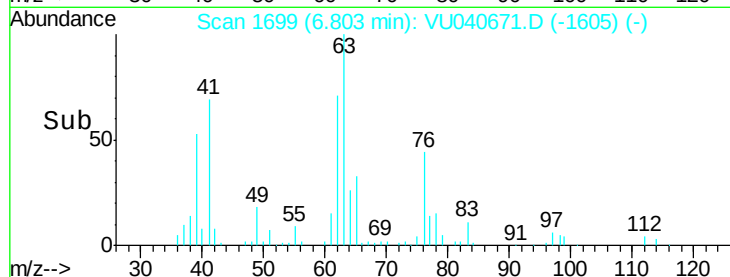
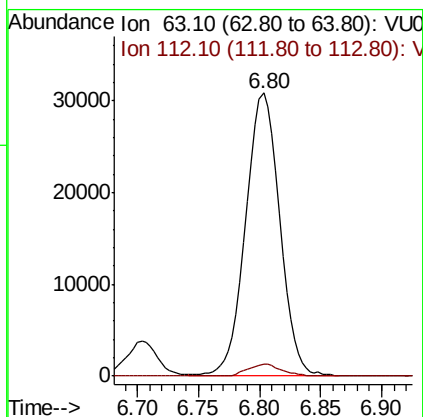
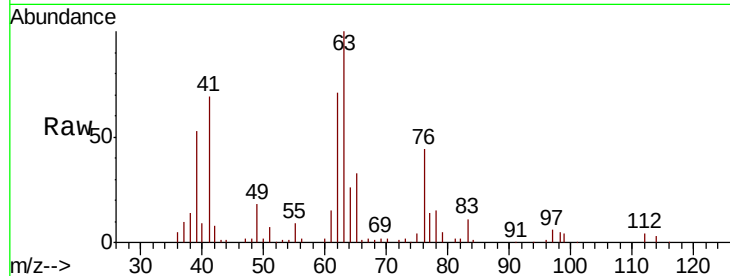




#37
 1,2-Dichloropropane
 Concen: 5.207 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

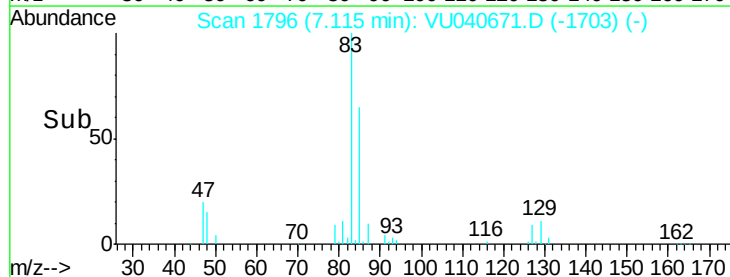
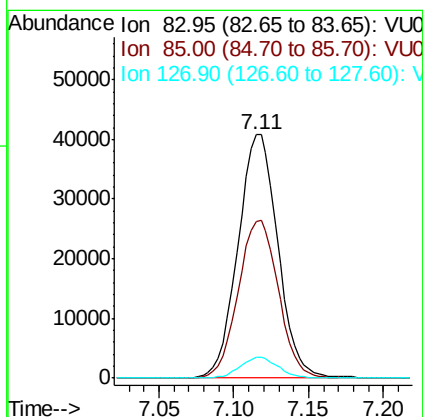
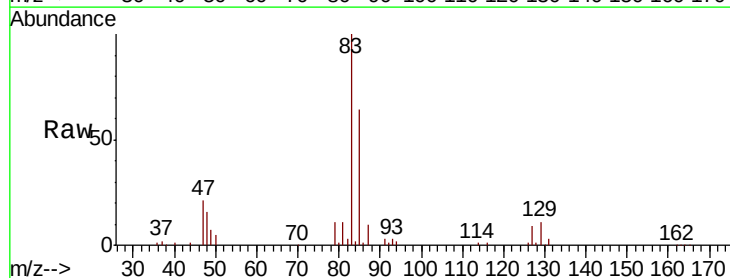
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

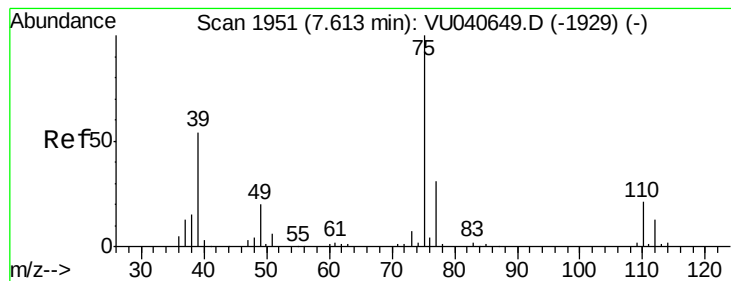
Tot Ion: 63 Resp: 59638
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.161 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

Tgt Ion: 83 Resp: 75563
 Ion Ratio Lower Upper
 83 100
 85 64.4 46.0 85.4
 127 8.6 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 5.107 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

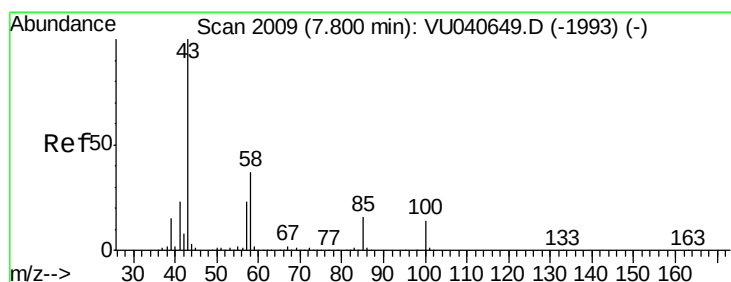
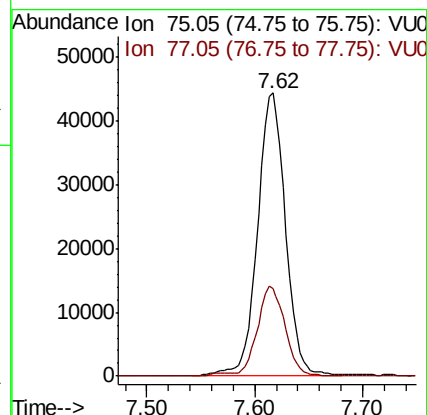
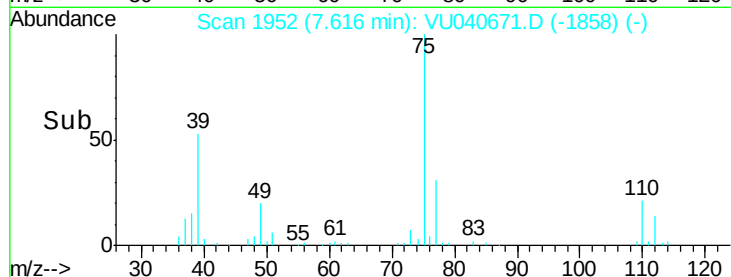
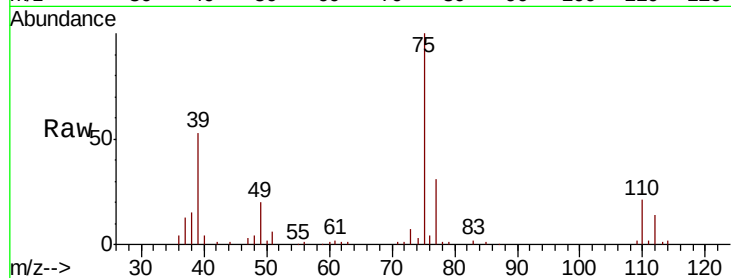
VSTD00529

Tot Ion: 75 Resp: 79923

Ion Ratio Lower Upper

75 100

77 31.1 20.5 38.1



#40

4-Methyl-2-pentanone

Concen: 51.105 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

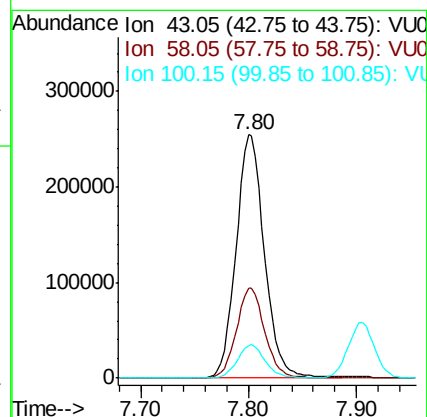
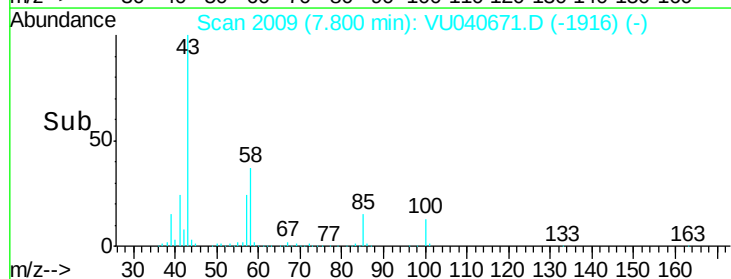
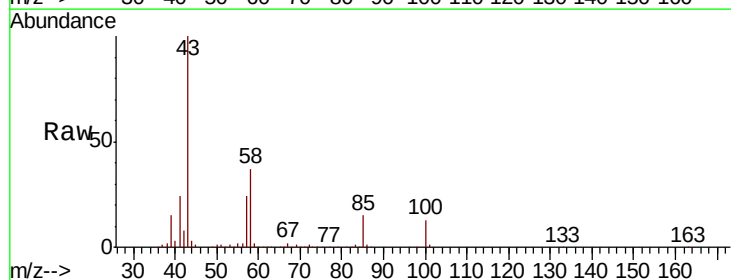
Tgt Ion: 43 Resp: 466639

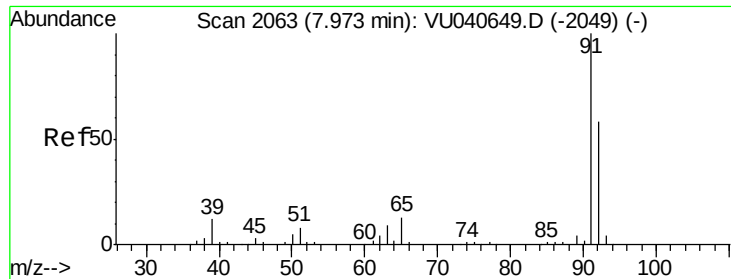
Ion Ratio Lower Upper

43 100

58 37.1 29.7 44.5

100 13.4 10.7 16.1





#42

Toluene

Concen: 5.278 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

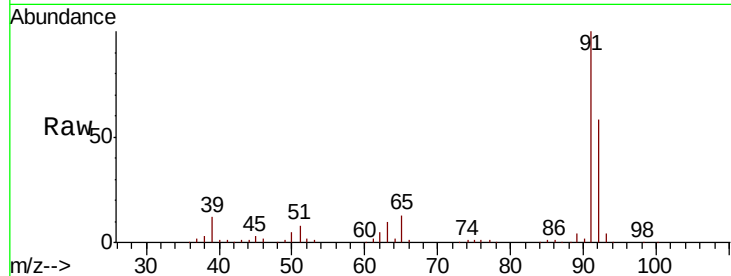
VSTD00529

Tot Ion: 91 Resp: 221060

Ion Ratio Lower Upper

91 100

92 58.5 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040649.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040649.D (-2049) (-)

7.98

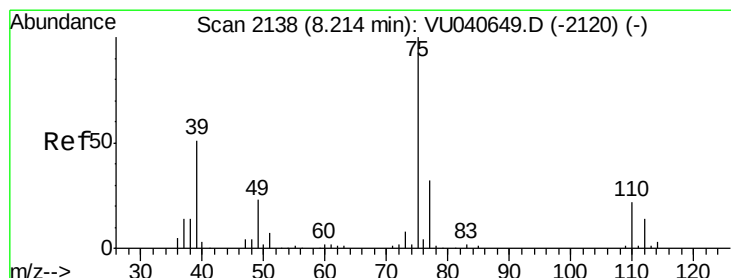
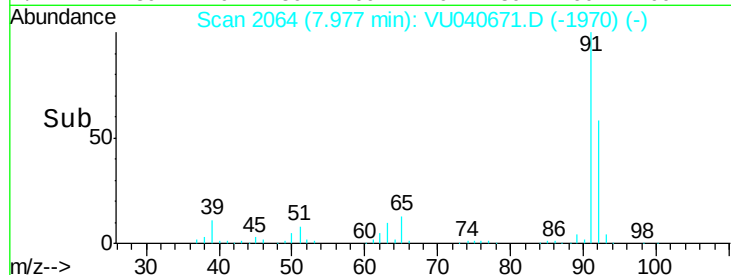
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.222 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040671.D

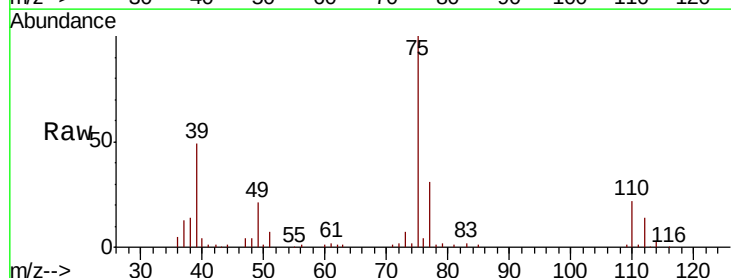
Acq: 12 Oct 2020 20:01

Tgt Ion: 75 Resp: 75220

Ion Ratio Lower Upper

75 100

77 31.1 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040649.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040649.D (-2120) (-)

8.21

50000

40000

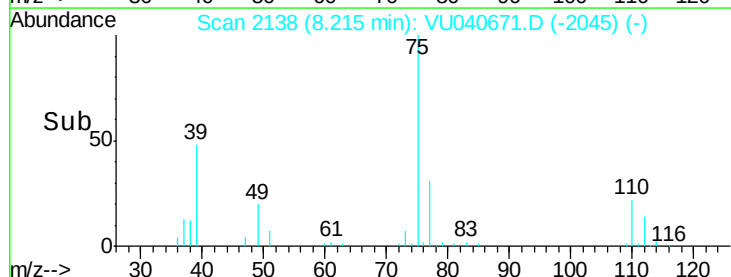
30000

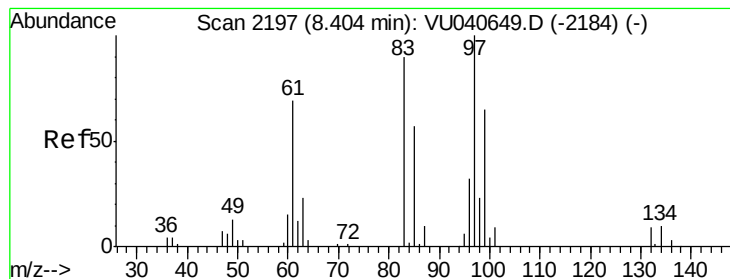
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.134 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

Tot Ion: 97 Resp: 44037

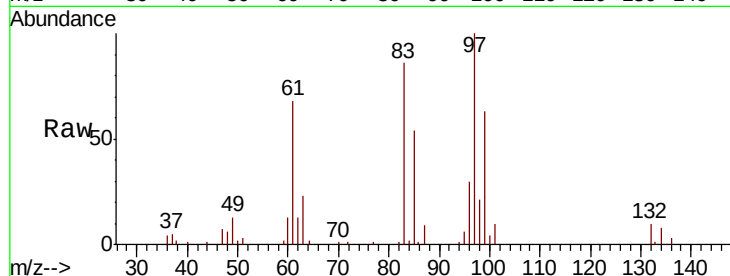
Ion Ratio Lower Upper

97 100

99 63.1 44.0 81.6

83 85.6 62.9 116.9

85 54.1 40.3 74.8

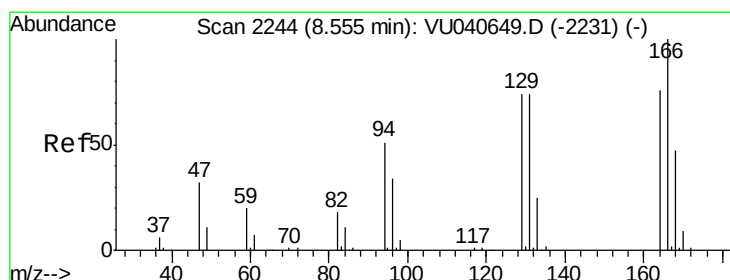
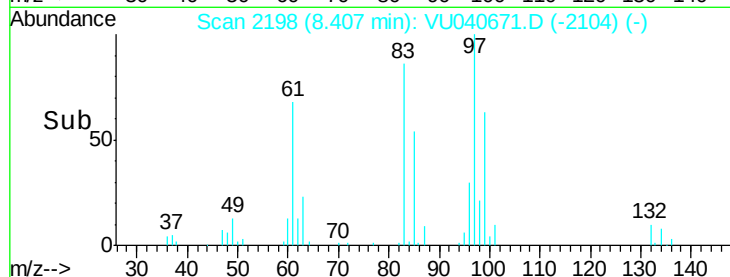
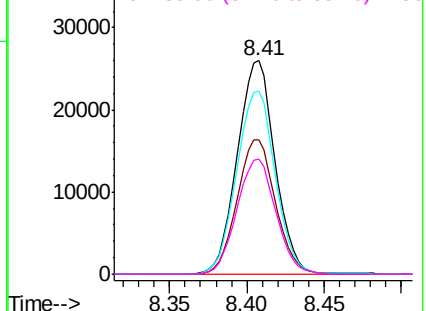


Abundance Ion 96.95 (96.65 to 97.65): VU040671.D (-2197) (-)

Ion 99.05 (98.75 to 99.75): VU040671.D (-2197) (-)

Ion 82.95 (82.65 to 83.65): VU040671.D (-2197) (-)

Ion 85.00 (84.70 to 85.70): VU040671.D (-2197) (-)



#47

Tetrachloroethene

Concen: 5.190 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Tgt Ion: 164 Resp: 39455

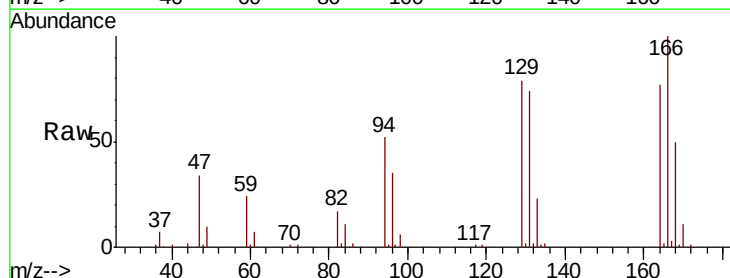
Ion Ratio Lower Upper

164 100

129 102.3 68.8 127.8

131 95.8 66.7 123.9

166 129.3 83.9 155.7

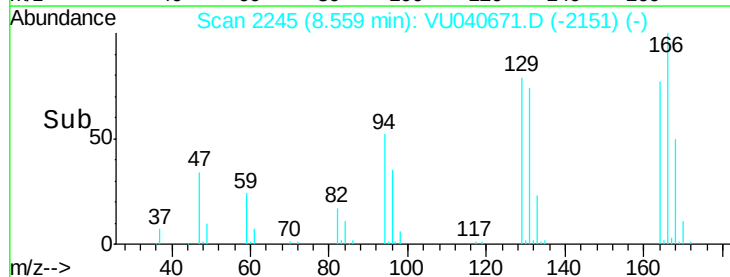
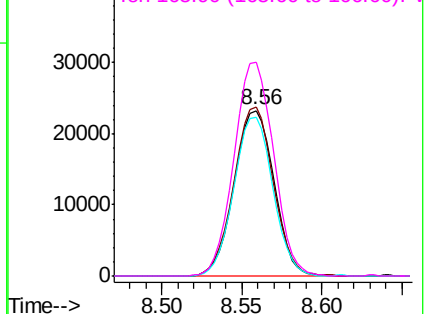


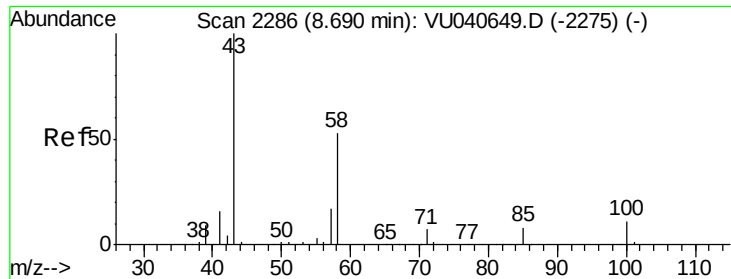
Abundance Ion 163.90 (163.60 to 164.60): VU040671.D (-2244) (-)

Ion 128.95 (128.65 to 129.65): VU040671.D (-2244) (-)

Ion 130.95 (130.65 to 131.65): VU040671.D (-2244) (-)

Ion 165.90 (165.60 to 166.60): VU040671.D (-2244) (-)

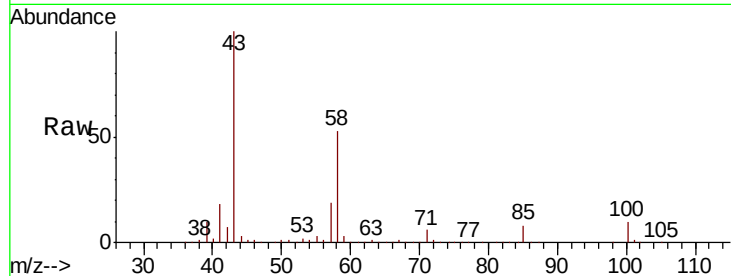




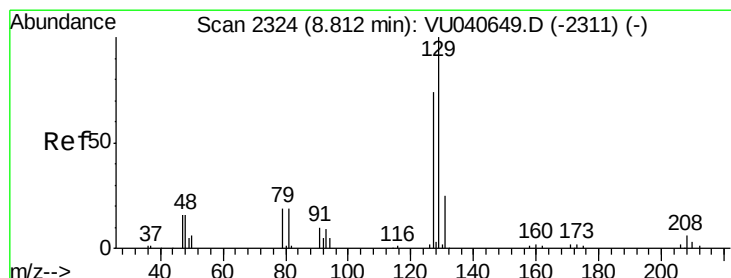
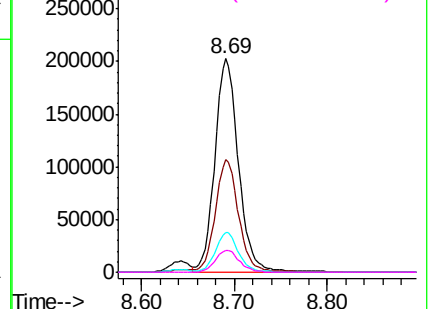
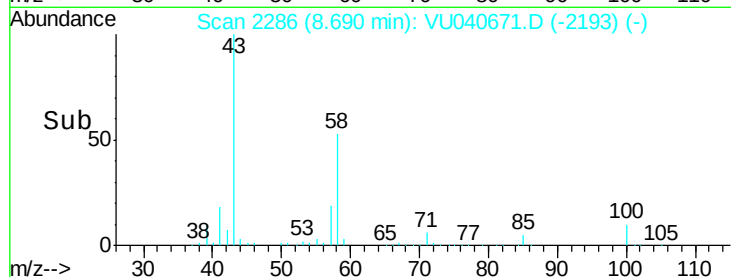
#48
2-Hexanone
Concen: 52.500 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040671.D
Acq: 12 Oct 2020 20:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion: 43 Resp: 356908
Ion Ratio Lower Upper
43 100
58 51.8 41.0 61.6
57 18.0 14.4 21.6
100 10.6 8.6 13.0

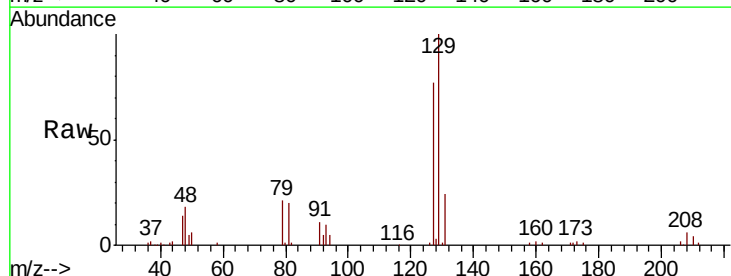


Abundance Ion 43.05 (42.75 to 43.75): VU040671.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040671.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040671.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040671.D (-2193) (-)

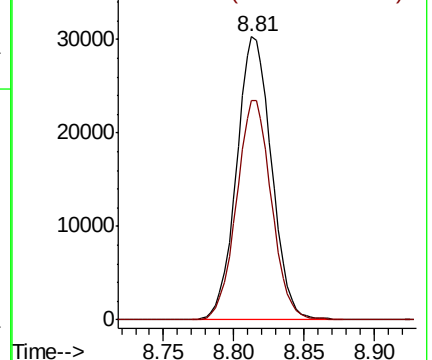
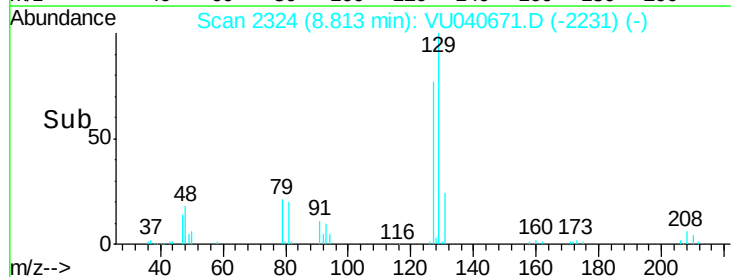


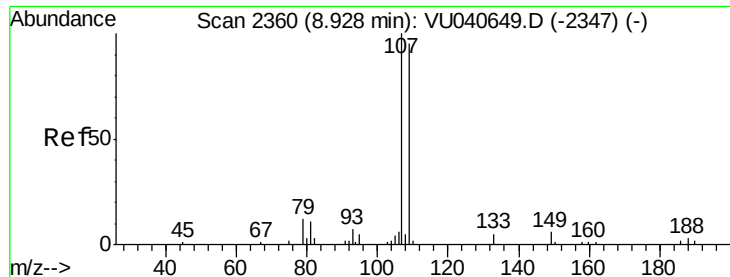
#49
Dibromochloromethane
Concen: 5.316 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040671.D
Acq: 12 Oct 2020 20:01

Tgt Ion: 129 Resp: 52471
Ion Ratio Lower Upper
129 100
127 77.5 55.8 103.6



Abundance Ion 128.95 (128.65 to 129.65): VU040671.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU040671.D (-2231) (-)

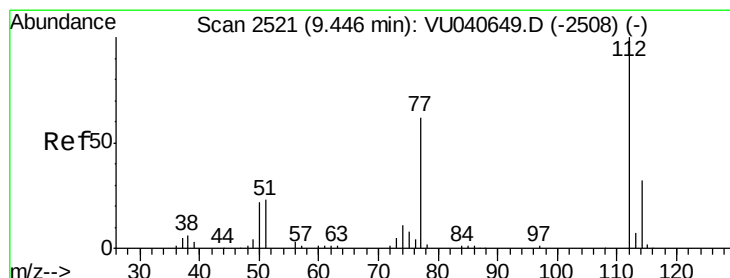
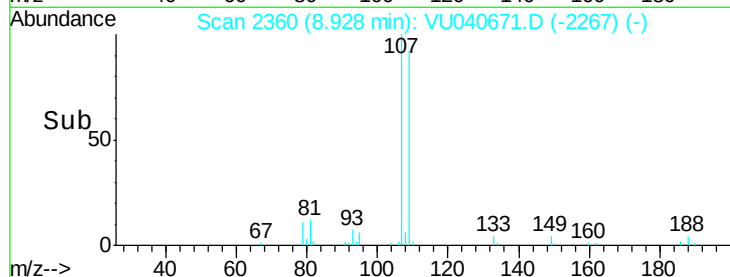
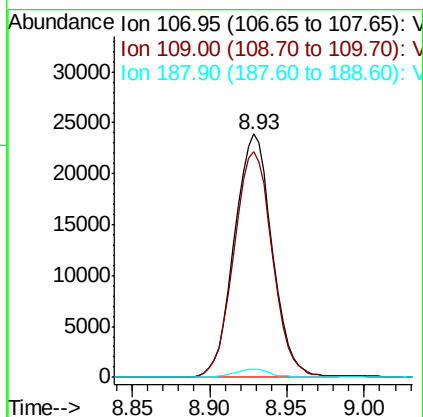
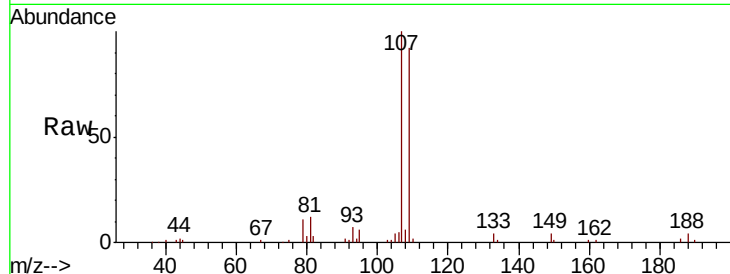




#50
 1,2-Dibromoethane
 Concen: 4.991 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

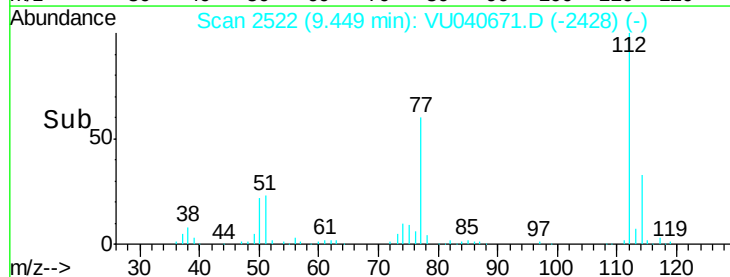
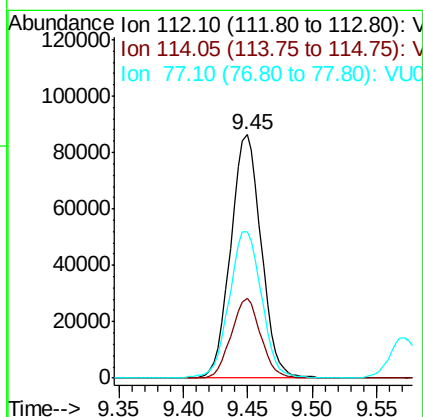
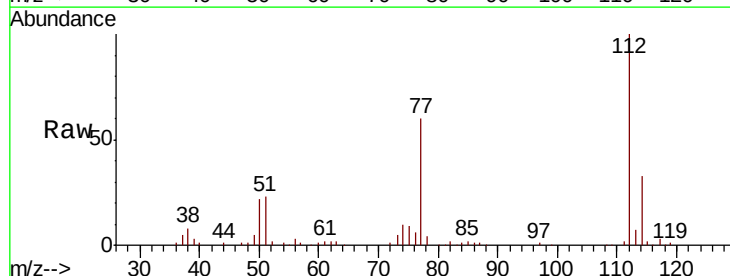
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

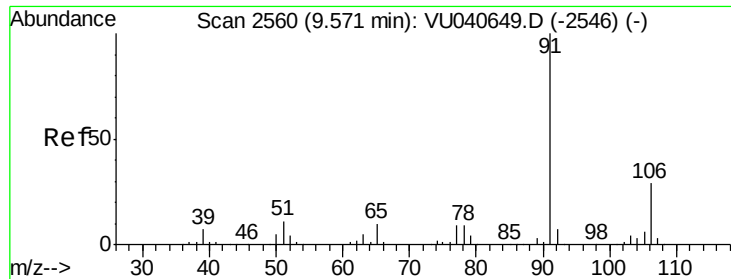
Tot Ion:107 Resp: 40611
 Ion Ratio Lower Upper
 107 100
 109 92.5 65.7 121.9
 188 3.6 3.0 4.4



#51
 Chlorobenzene
 Concen: 5.144 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

Tgt Ion:112 Resp: 141923
 Ion Ratio Lower Upper
 112 100
 114 32.7 23.1 42.9
 77 60.3 50.3 75.5

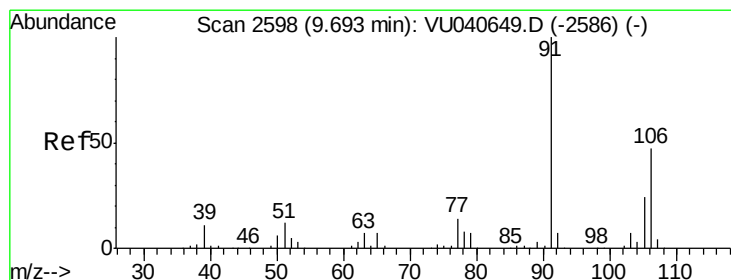
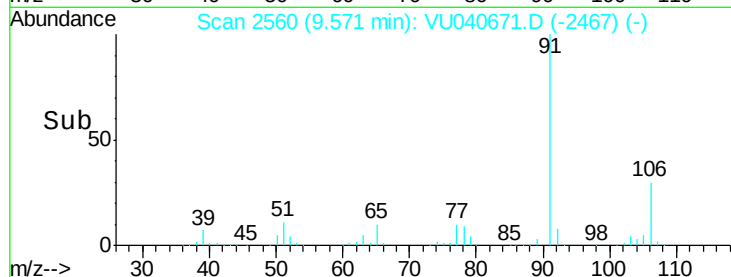
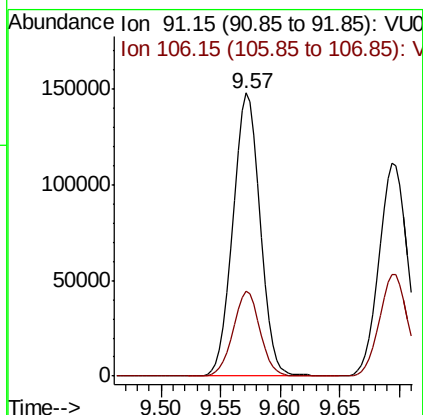
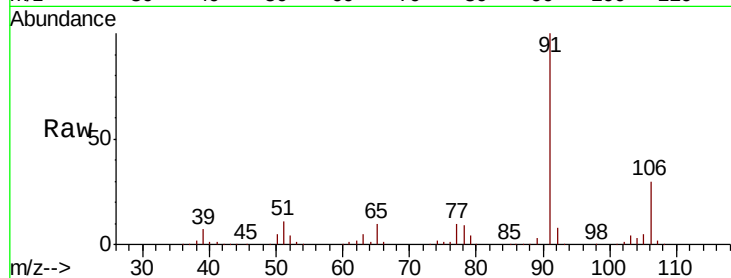




#52
Ethylbenzene
Concen: 5.180 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040671.D
Acq: 12 Oct 2020 20:01

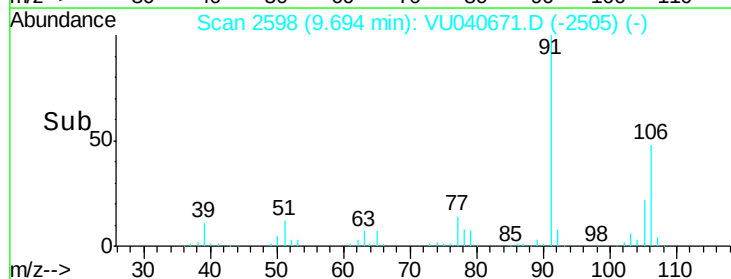
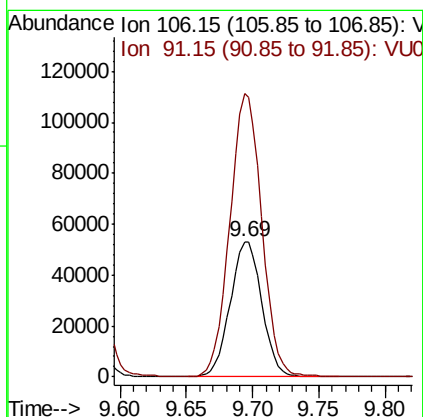
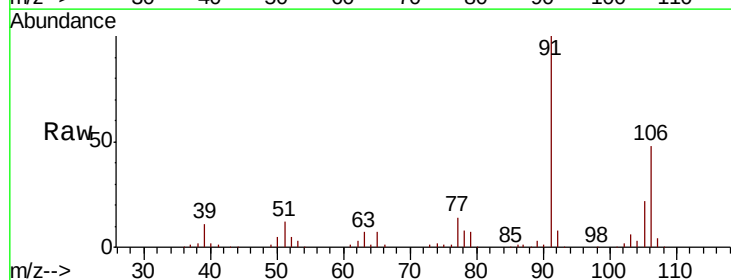
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

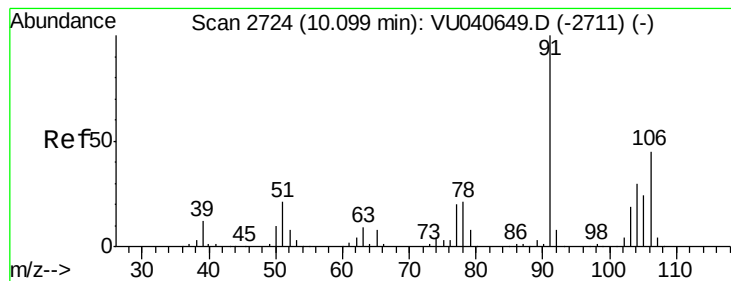
Tot Ion: 91 Resp: 234807
Ion Ratio Lower Upper
91 100
106 30.0 20.7 38.5



#53
m,p-Xylene
Concen: 5.330 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU040671.D
Acq: 12 Oct 2020 20:01

Tgt Ion: 106 Resp: 88065
Ion Ratio Lower Upper
106 100
91 208.9 148.5 275.7





#54

o-Xylene

Concen: 5.338 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

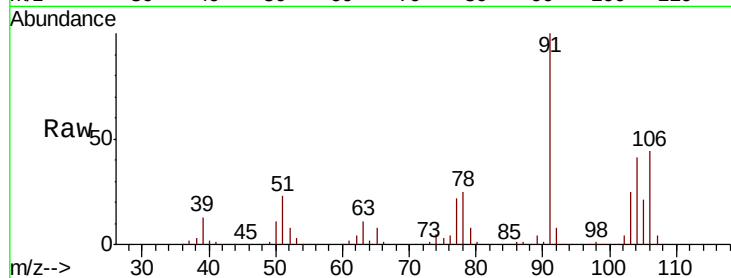
VSTD00529

Tot Ion:106 Resp: 84824

Ion Ratio Lower Upper

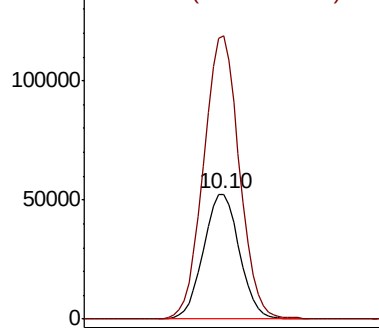
106 100

91 226.2 160.2 297.4

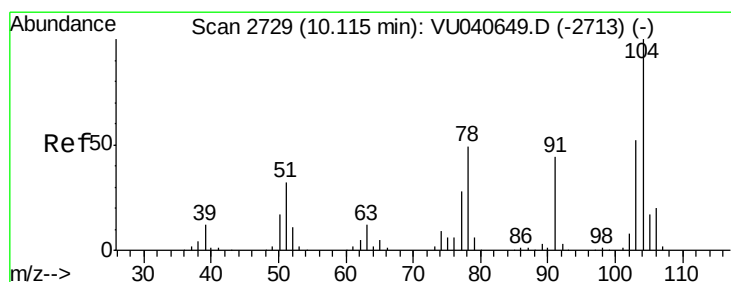
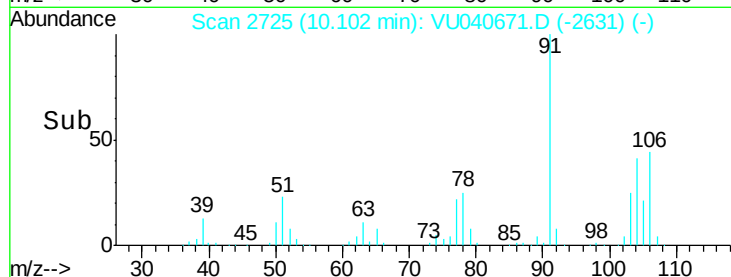


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



Time-->



#55

Styrene

Concen: 5.553 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU040671.D

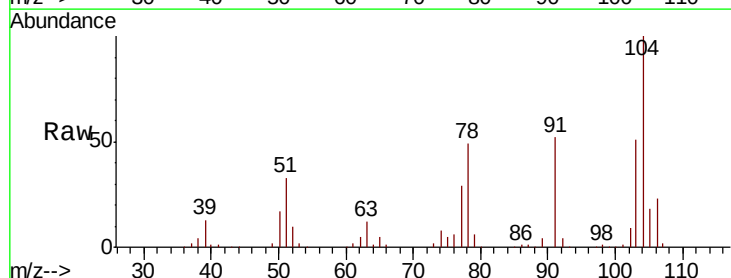
Acq: 12 Oct 2020 20:01

Tgt Ion:104 Resp: 153243

Ion Ratio Lower Upper

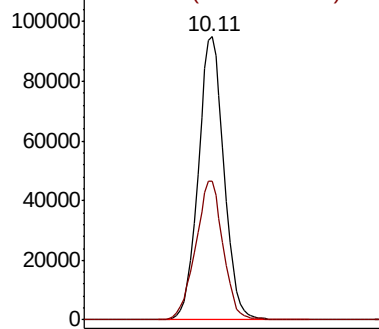
104 100

78 49.0 34.6 64.3

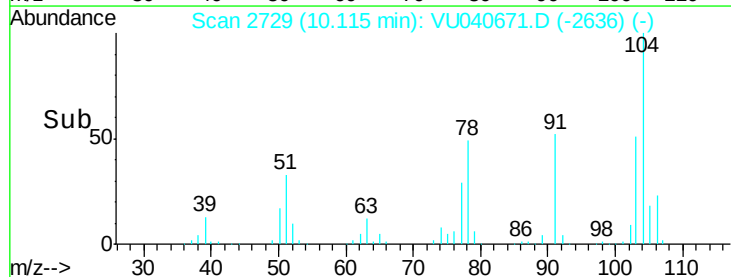


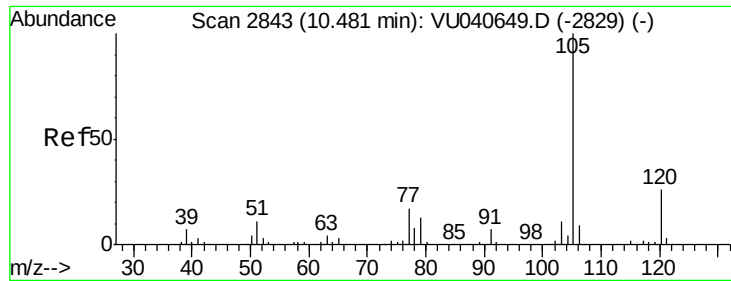
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 5.340 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

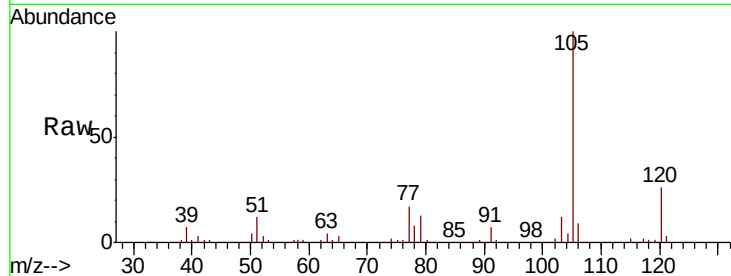
Tot Ion:105 Resp: 228402

Ion Ratio Lower Upper

105 100

120 26.4 20.6 30.8

77 17.1 13.8 20.6

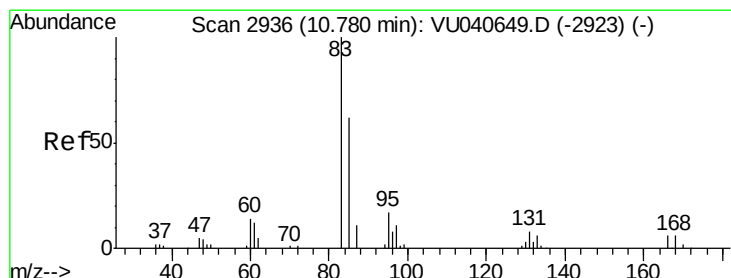
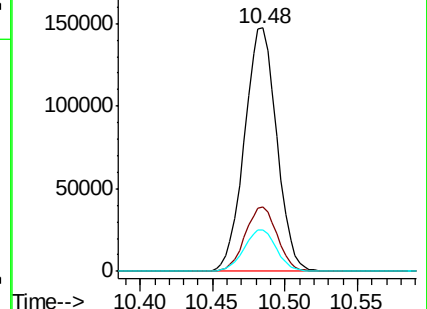
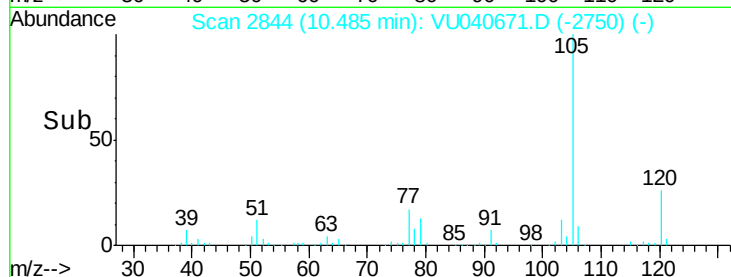


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 5.174 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

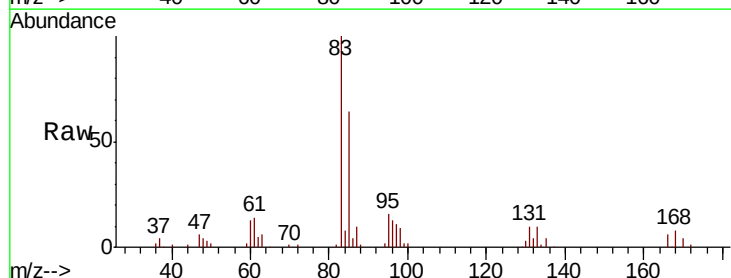
Tgt Ion: 83 Resp: 58275

Ion Ratio Lower Upper

83 100

85 64.1 45.6 84.6

131 9.7 7.1 10.7

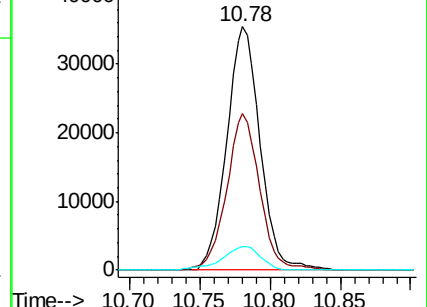
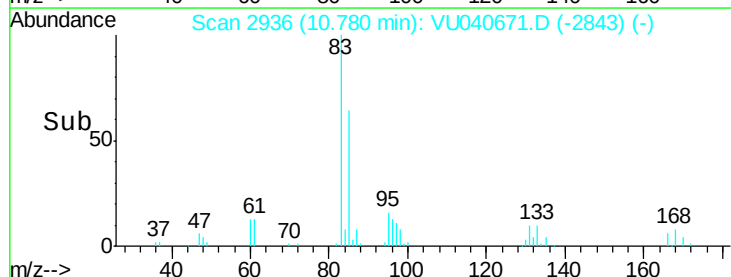


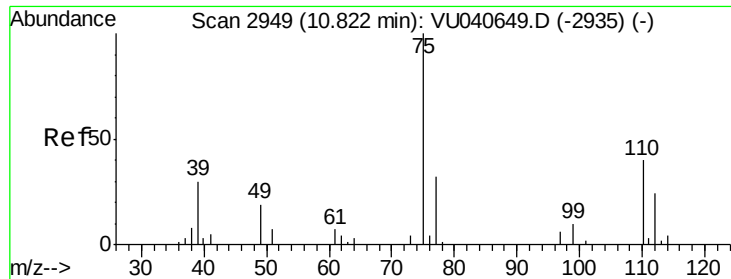
Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.081 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

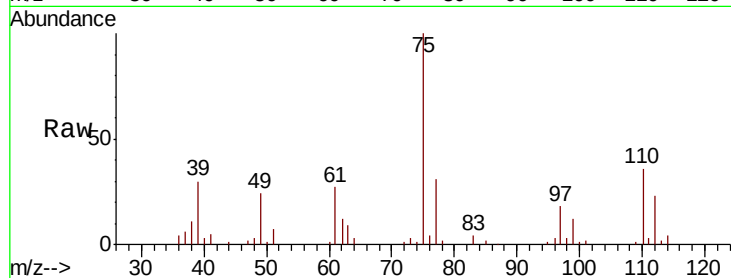
VSTD00529

Tot Ion: 75 Resp: 42749

Ion Ratio Lower Upper

75 100

77 31.1 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

25000

20000

15000

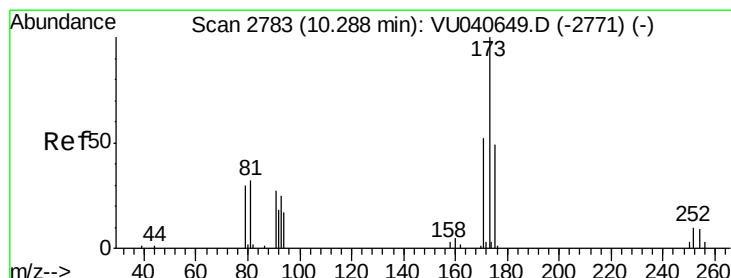
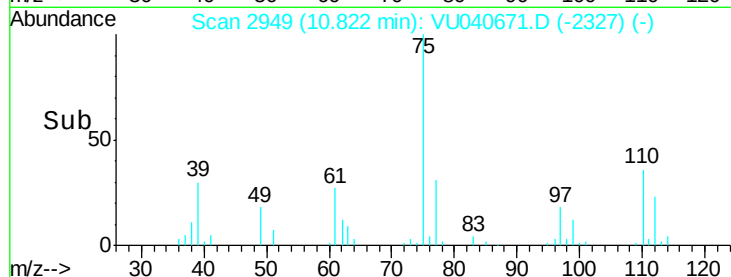
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 5.072 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

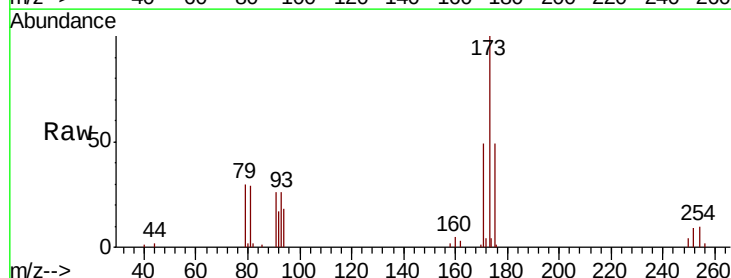
Tgt Ion: 173 Resp: 29774

Ion Ratio Lower Upper

173 100

175 48.1 37.4 56.0

254 9.1 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

20000

15000

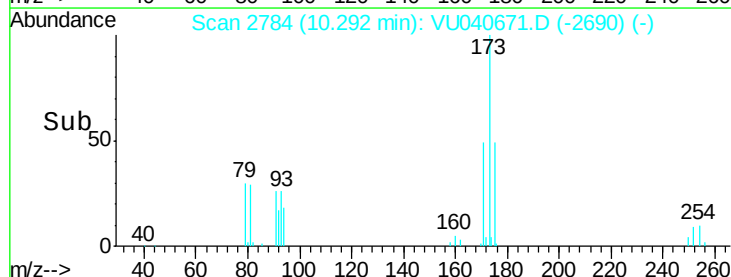
10000

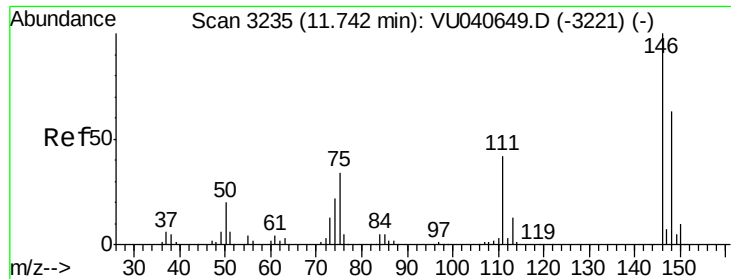
5000

0

Time-->

10.25 10.30 10.35

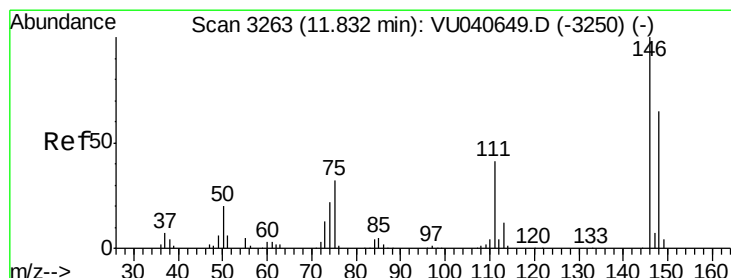
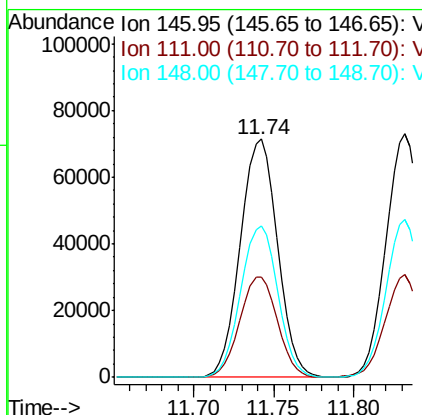
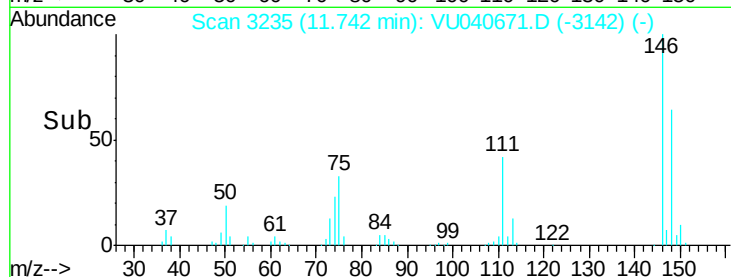
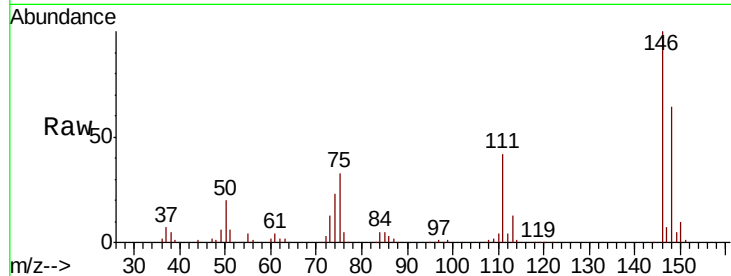




#62
 1,3-Dichlorobenzene
 Concen: 5.048 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

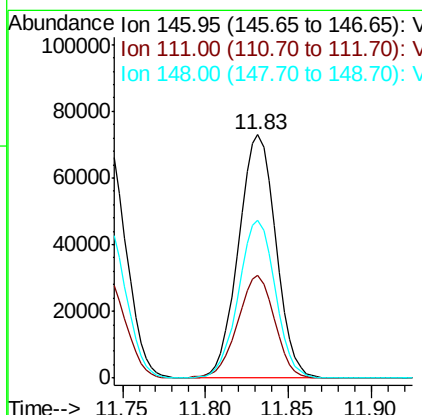
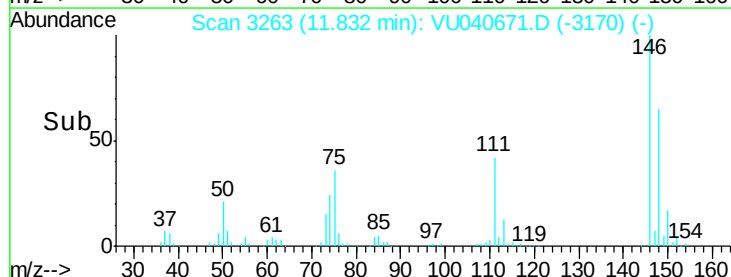
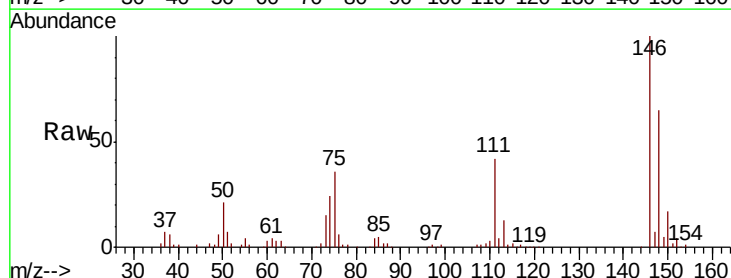
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

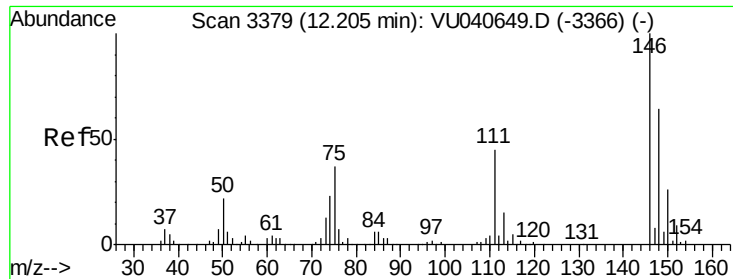
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	28.8	53.6
148	63.5	44.4	82.4



#63
 1,4-Dichlorobenzene
 Concen: 4.956 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	28.4	52.8
148	64.8	44.0	81.6





#65

1,2-Dichlorobenzene

Concen: 5.042 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

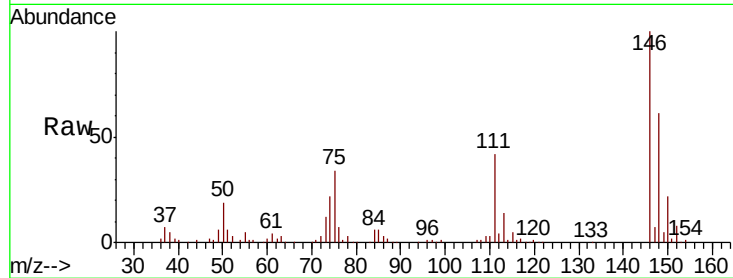
Tot Ion:146 Resp: 110489

Ion Ratio Lower Upper

146 100

111 42.1 34.4 51.6

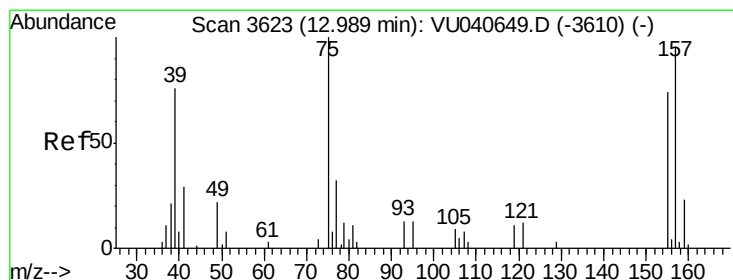
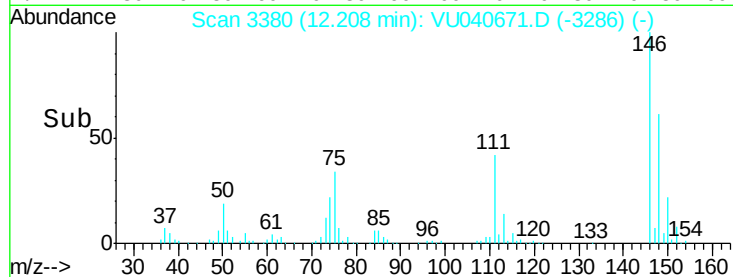
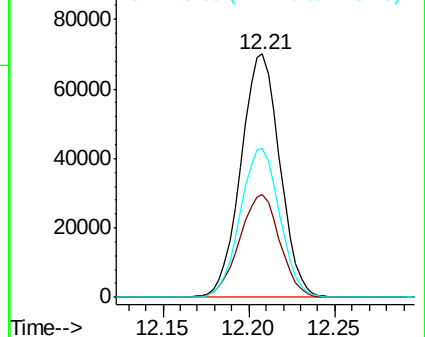
148 61.3 50.0 75.0



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: 4.997 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

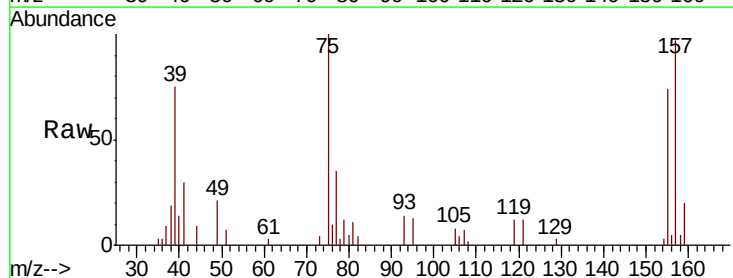
Tgt Ion: 75 Resp: 9587

Ion Ratio Lower Upper

75 100

155 74.4 53.8 80.6

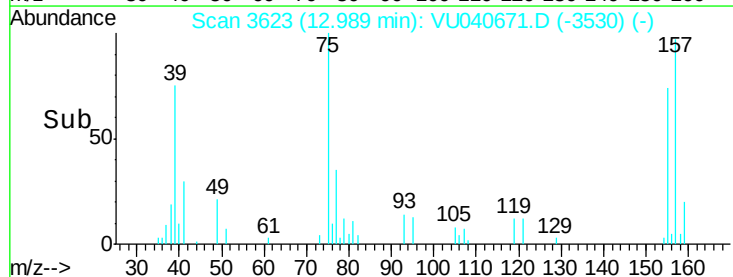
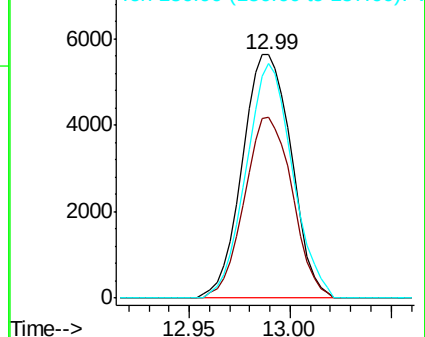
157 96.5 74.6 112.0

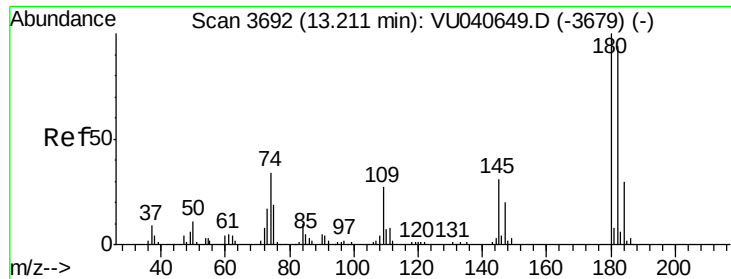


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

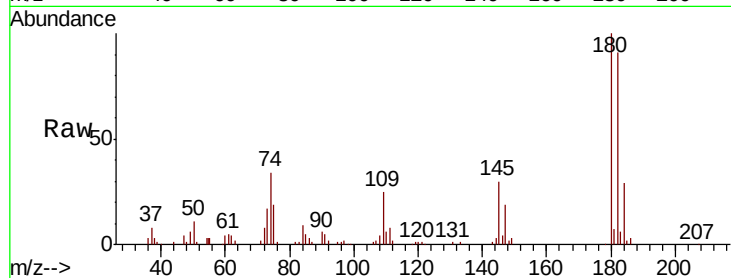




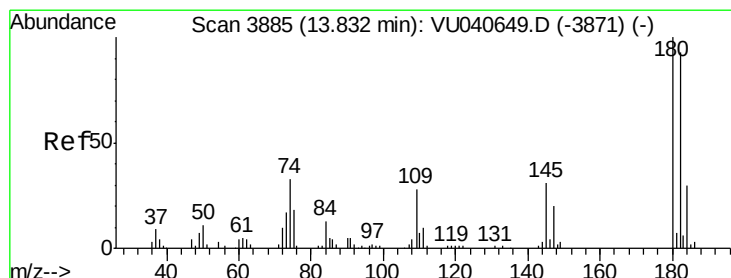
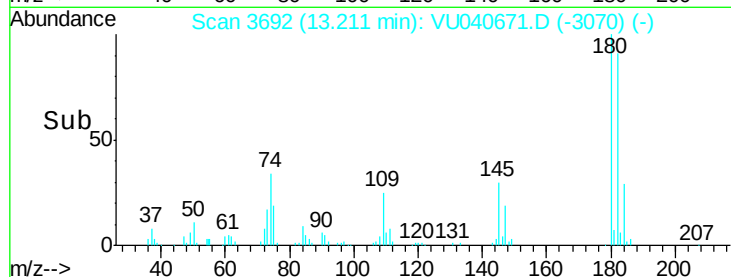
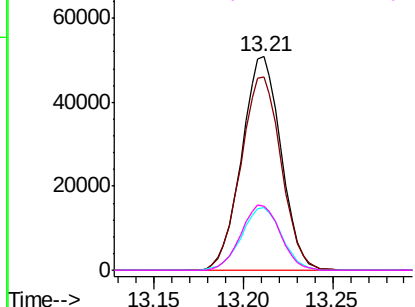
#67
 1,3,5-Trichlorobenzene
 Concen: 4.913 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion:180 Resp: 78139
 Ion Ratio Lower Upper
 180 100
 182 93.0 77.0 115.4
 184 30.0 24.5 36.7
 145 30.6 25.9 38.9

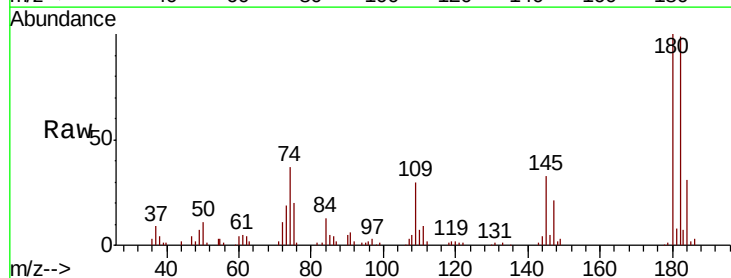


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

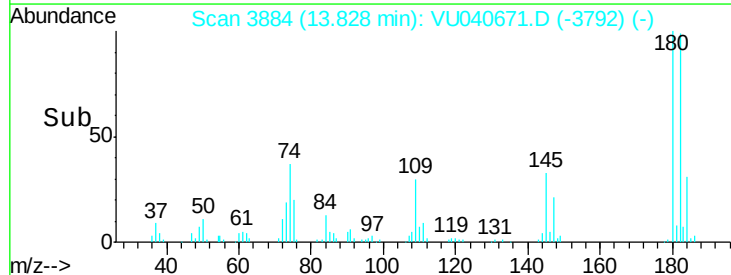
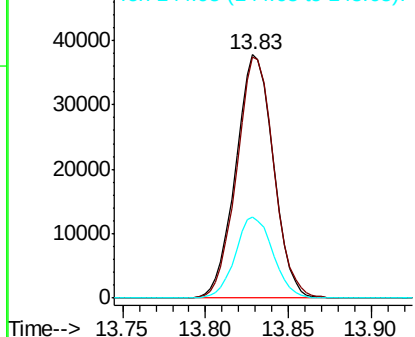


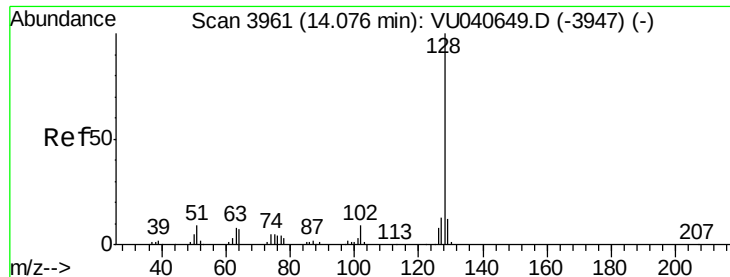
#68
 1,2,4-trichlorobenzene
 Concen: 4.842 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040671.D
 Acq: 12 Oct 2020 20:01

Tgt Ion:180 Resp: 59501
 Ion Ratio Lower Upper
 180 100
 182 97.7 78.8 118.2
 145 33.5 26.1 39.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.840 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Instrument :

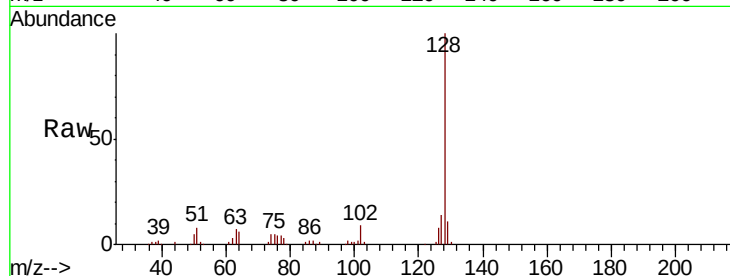
MSVOA_U

ClientSampleId :

VSTD00529

Tot Ion:128 Resp: 97295

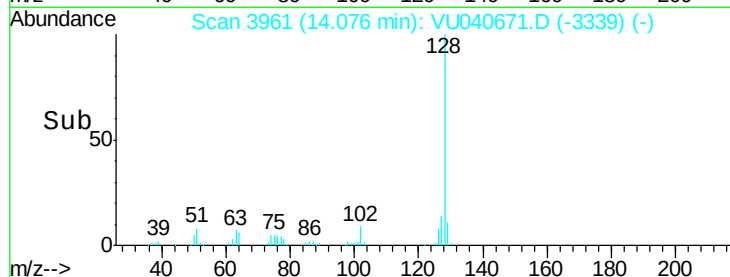
Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	13.4	10.2	15.4



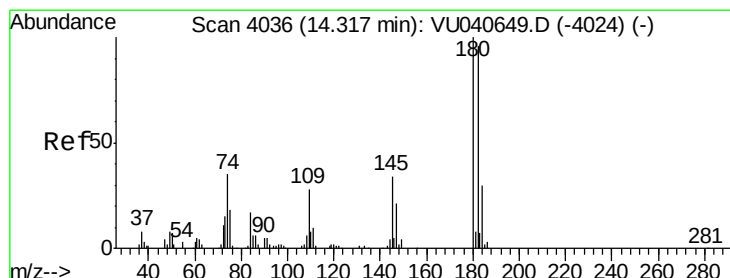
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 5.069 ug/L

RT: 14.32 min Scan# 4036

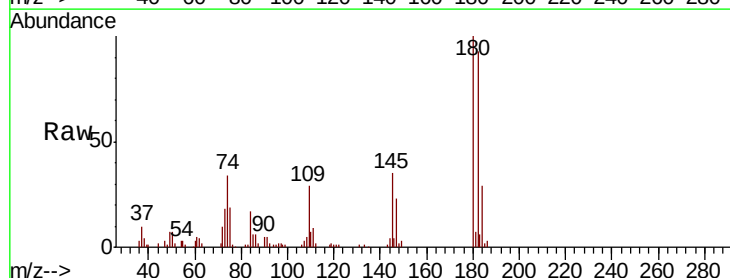
Delta R.T. 0.00 min

Lab File: VU040671.D

Acq: 12 Oct 2020 20:01

Tgt Ion:180 Resp: 57839

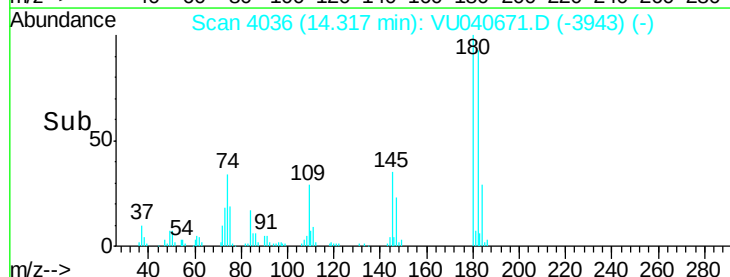
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.8
145	35.1	27.4	41.2



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



Time-->