

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
 Data File : VU040449.D
 Acq On : 02 Oct 2020 03:16
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Oct 02 05:31:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 05:20:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	152806	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	146239	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	74888	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27715	3.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.20%
7) Chloroethane-d5	1.92	69	29403	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.58	63	80681	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	4.66	46	191664	51.00	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.00%
24) Chloroform-d	5.08	84	84163	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.72	65	51040	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
32) Benzene-d6	5.75	84	142111	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.70	67	52543	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.91	98	124218	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	8.19	79	20623	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.64	63	142148	55.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51959	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	56624	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	70648	4.610 ug/L	99
3) Chloromethane	1.53	50	61803	4.112 ug/L	98
5) Vinyl chloride	1.61	62	68541	4.640 ug/L	100
6) Bromomethane	1.87	94	26737	3.722 ug/L	99
8) Chloroethane	1.94	64	42626	4.870 ug/L	98
9) Trichlorofluoromethane	2.15	101	92634	4.546 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	58414	4.490 ug/L	99
12) 1,1-Dichloroethene	2.59	96	55748	4.791 ug/L	98
13) Acetone	2.67	43	137060	43.770 ug/L	99
14) Carbon disulfide	2.81	76	165717	4.505 ug/L	99
15) Methyl Acetate	2.97	43	33745	4.475 ug/L	99
16) Methylene chloride	3.06	84	64582	4.418 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	159786	4.984 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	57034	4.740 ug/L	97
19) 1,1-Dichloroethane	3.89	63	119127	4.824 ug/L	99
21) 2-Butanone	4.74	43	232562	46.270 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	63323	4.757 ug/L	98

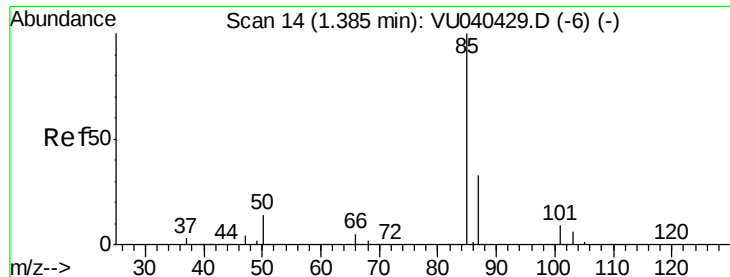
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 05:20:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	29982	4.919	ug/L	97
25) Chloroform	5.11	83	122575	4.866	ug/L	100
27) 1,2-Dichloroethane	5.81	62	84836	4.864	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	101649	5.088	ug/L	99
30) Cyclohexane	5.41	56	106511	5.154	ug/L	98
31) Carbon tetrachloride	5.54	117	86968	5.077	ug/L	97
33) Benzene	5.79	78	248266	5.064	ug/L	100
34) Trichloroethene	6.56	95	64865	4.983	ug/L	94
35) Methylcyclohexane	6.77	83	95369	4.995	ug/L	98
37) 1,2-Dichloropropane	6.80	63	67144	4.917	ug/L	99
38) Bromodichloromethane	7.11	83	84464	5.010	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	91116	4.975	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	540482	50.547	ug/L	99
42) Toluene	7.98	91	257254	5.117	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	83550	4.949	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	50086	5.233	ug/L	98
47) Tetrachloroethene	8.56	164	45519	4.925	ug/L	97
48) 2-Hexanone	8.69	43	400165	50.788	ug/L	99
49) Dibromochloromethane	8.82	129	56073	5.036	ug/L	99
50) 1,2-Dibromoethane	8.93	107	45805	4.989	ug/L	96
51) Chlorobenzene	9.45	112	163048	5.016	ug/L	99
52) Ethylbenzene	9.57	91	284138	5.208	ug/L	97
53) m,p-Xylene	9.69	106	105034	5.168	ug/L	100
54) o-Xylene	10.10	106	100262	5.244	ug/L	99
55) Styrene	10.11	104	173897	5.214	ug/L	100
56) Isopropylbenzene	10.48	105	271102	5.254	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	62299	4.802	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	47076	4.757	ug/L	99
61) Bromoform	10.29	173	30527	4.932	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	129536	5.225	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	127999	4.963	ug/L	100
65) 1,2-Dichlorobenzene	12.20	146	121831	5.055	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	10217	4.703	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	86984	4.914	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	77232	5.430	ug/L	97
69) Naphthalene	14.08	128	136802	5.628	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	69989	5.378	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.610 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.01 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

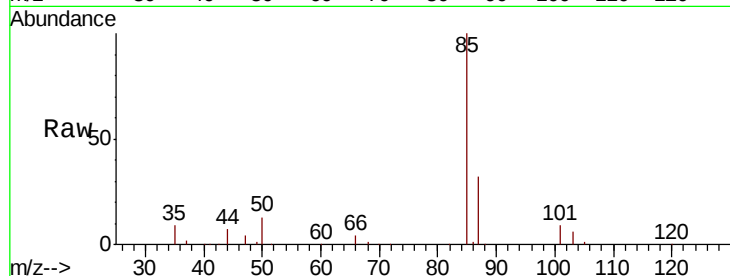
VSTD00530

Tot Ion: 85 Resp: 70648

Ion Ratio Lower Upper

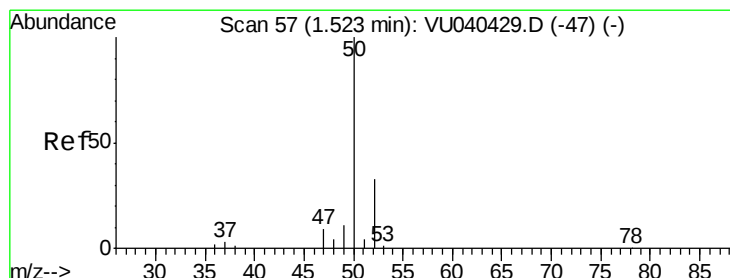
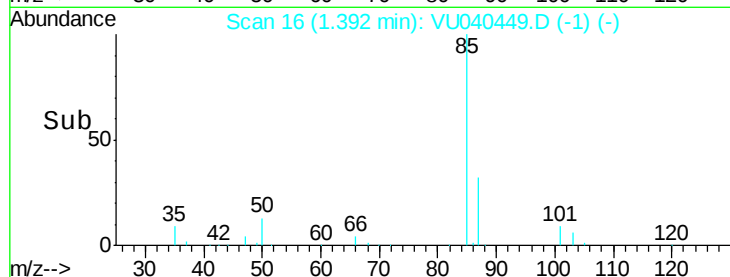
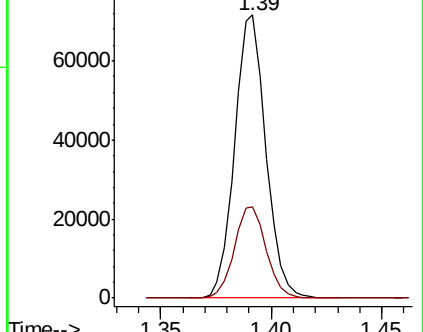
85 100

87 32.7 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU040429.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VU040429.D (-6) (-)



#3

Chloromethane

Concen: 4.112 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040449.D

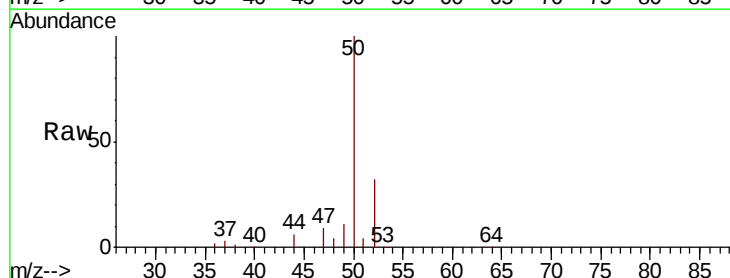
Acq: 02 Oct 2020 03:16

Tgt Ion: 50 Resp: 61803

Ion Ratio Lower Upper

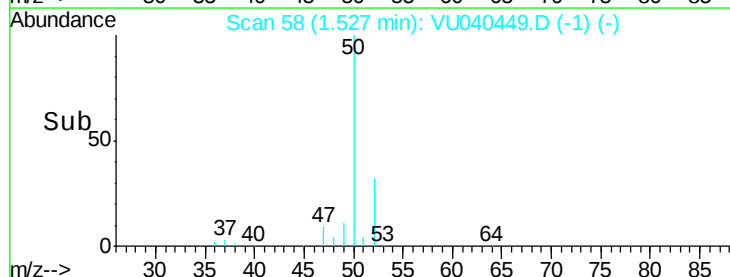
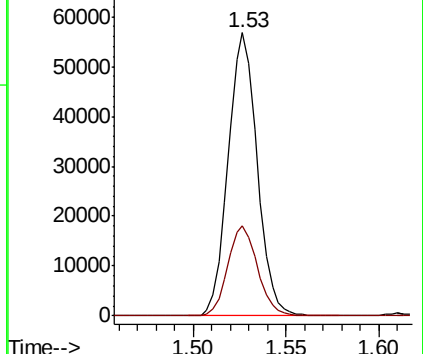
50 100

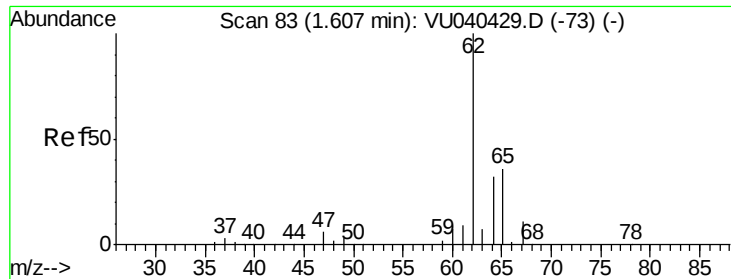
52 31.8 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU040429.D (-47) (-)

Ion 52.05 (51.75 to 52.75): VU040429.D (-47) (-)





#5

Vinyl chloride

Concen: 4.640 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

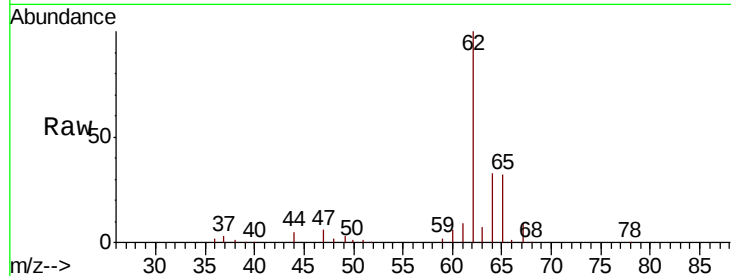
VSTD00530

Tot Ion: 62 Resp: 68541

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU040449.D (-73) (-)

Ion 64.10 (63.80 to 64.80): VU040449.D (-73) (-)

1.61

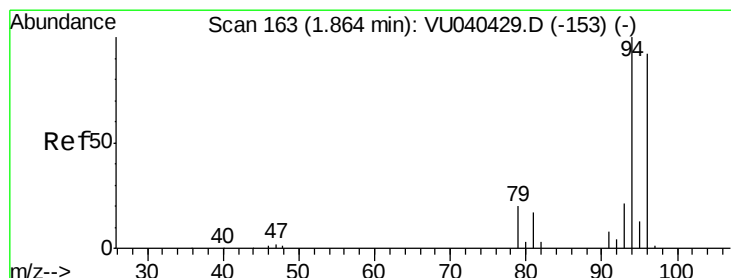
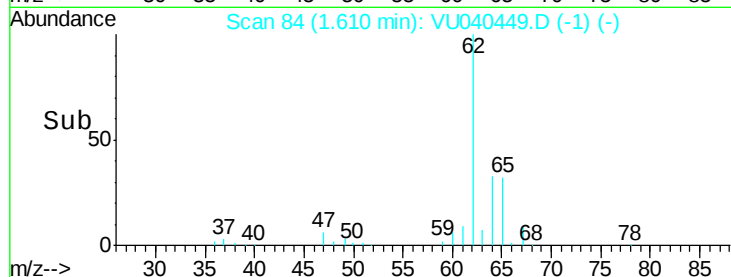
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 3.722 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040449.D

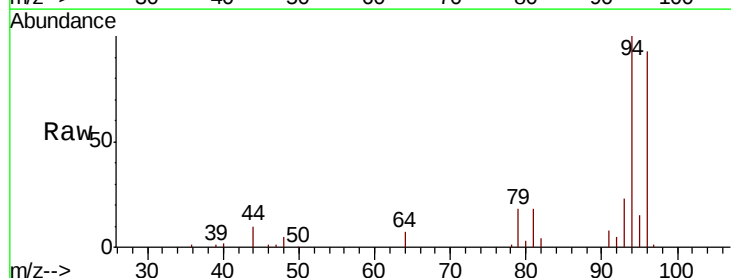
Acq: 02 Oct 2020 03:16

Tgt Ion: 94 Resp: 26737

Ion Ratio Lower Upper

94 100

96 93.3 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU040449.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU040449.D (-153) (-)

1.87

25000

20000

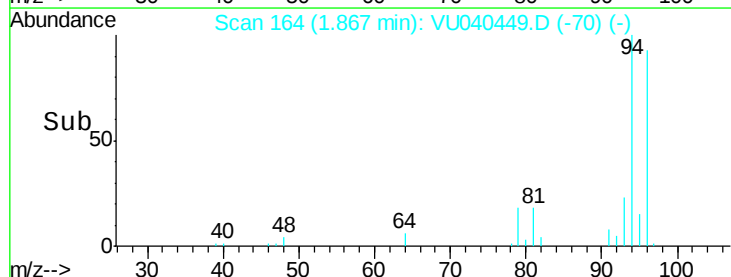
15000

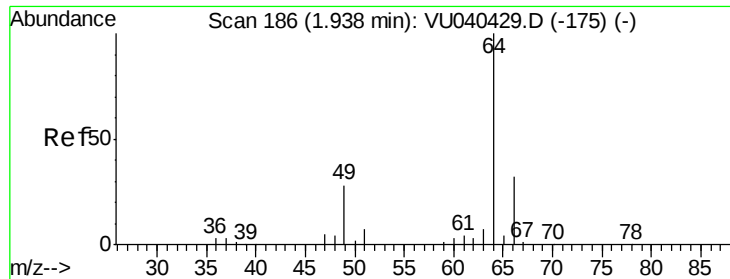
10000

5000

0

Time-->

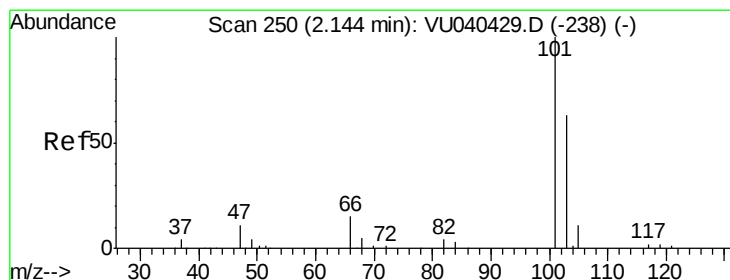
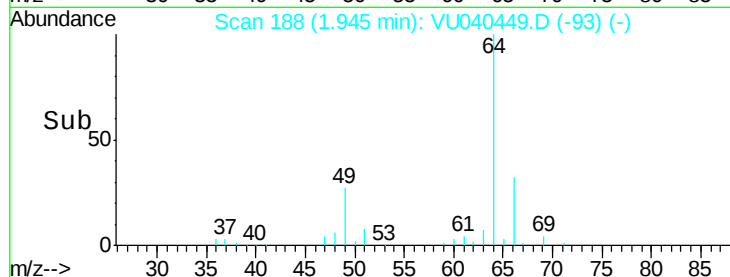
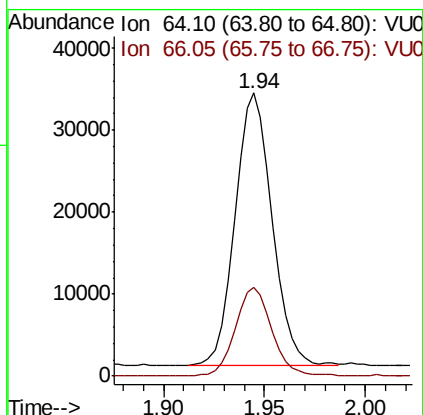
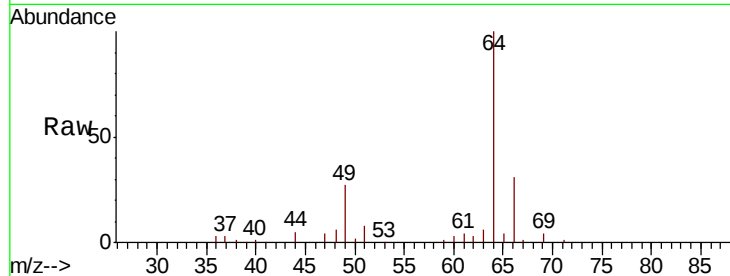




#8
Chloroethane
Concen: 4.870 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.01 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

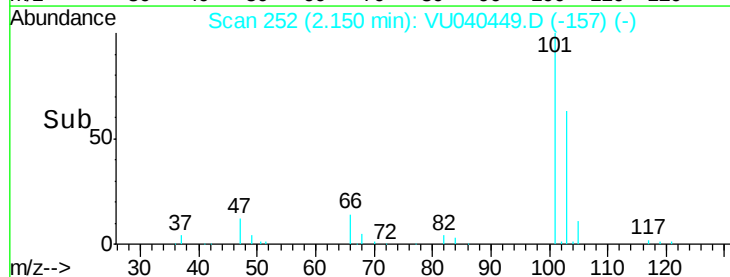
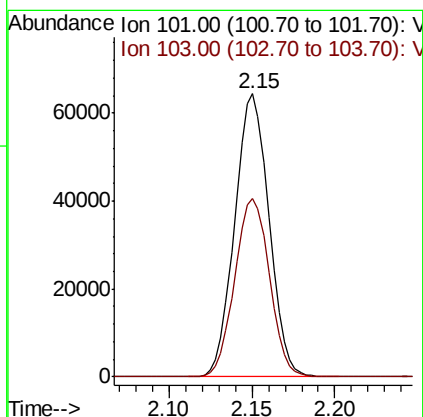
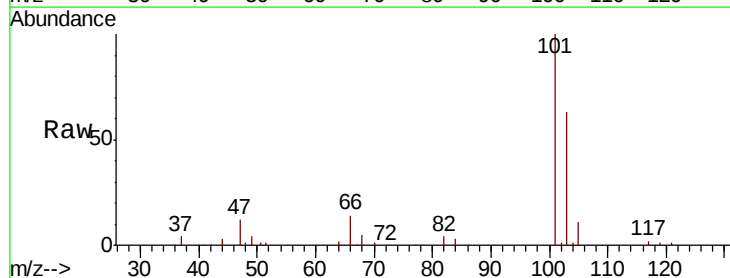
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

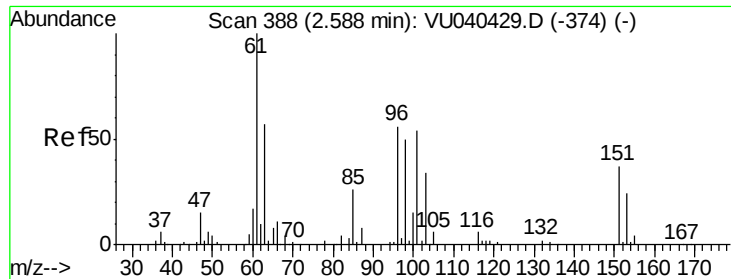
Tot Ion: 64 Resp: 42626
Ion Ratio Lower Upper
64 100
66 31.4 21.3 39.6



#9
Trichlorofluoromethane
Concen: 4.546 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.01 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

Tgt Ion: 101 Resp: 92634
Ion Ratio Lower Upper
101 100
103 64.1 52.6 79.0





#10

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

Concen: 4.490 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.01 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

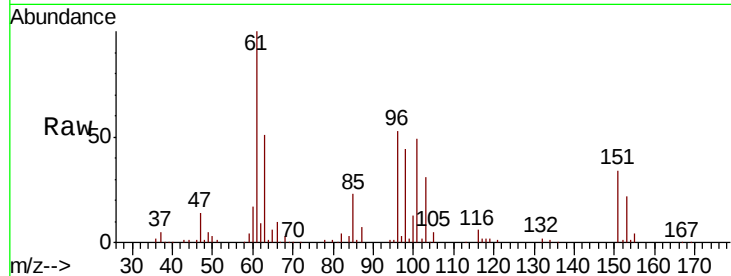
Tot Ion:101 Resp: 58414

Ion Ratio Lower Upper

101 100

85 45.6 35.0 52.6

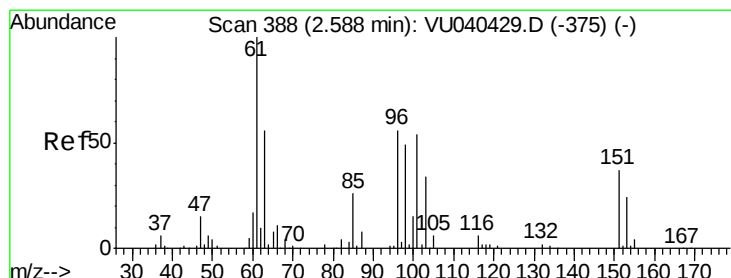
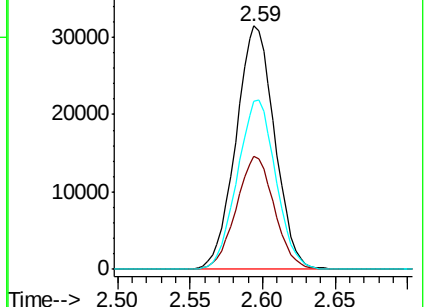
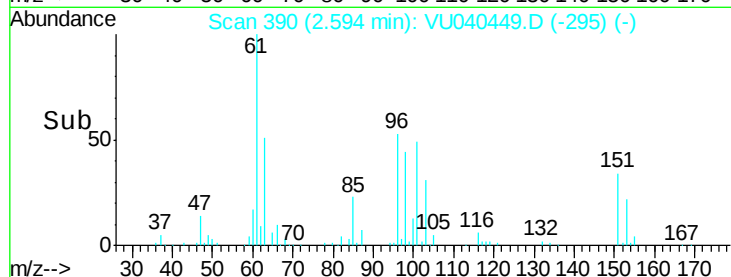
151 69.1 55.4 83.2



Abundance Ion 101.00 (100.70 to 101.70): VU040449.D (-295) (-)

Ion 85.00 (84.70 to 85.70): VU040449.D (-295) (-)

Ion 151.00 (150.70 to 151.70): VU040449.D (-295) (-)



#12

1,1-Dichloroethene

Concen: 4.791 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.01 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

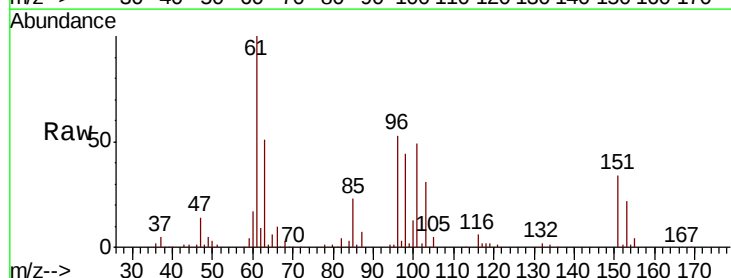
Tgt Ion: 96 Resp: 55748

Ion Ratio Lower Upper

96 100

61 188.2 128.6 238.8

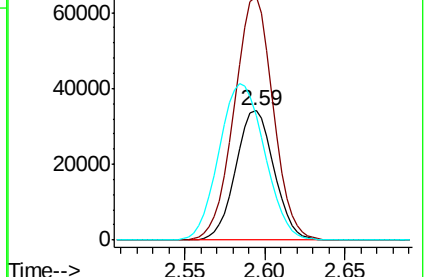
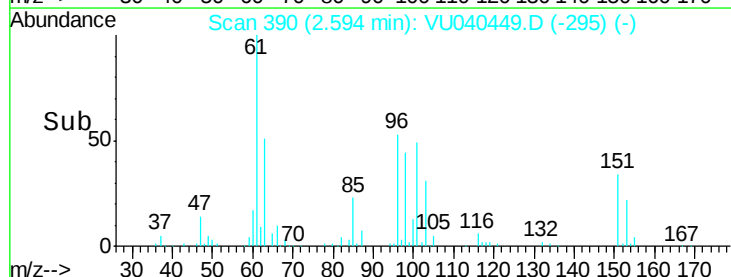
63 96.7 67.8 126.0

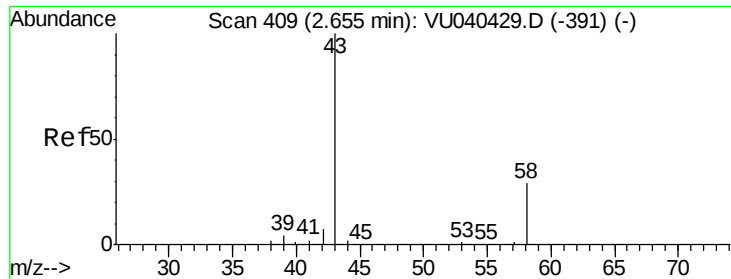


Abundance Ion 96.00 (95.70 to 96.70): VU040449.D (-295) (-)

Ion 61.05 (60.75 to 61.75): VU040449.D (-295) (-)

Ion 63.00 (62.70 to 63.70): VU040449.D (-295) (-)





#13

Acetone

Concen: 43.770 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.02 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

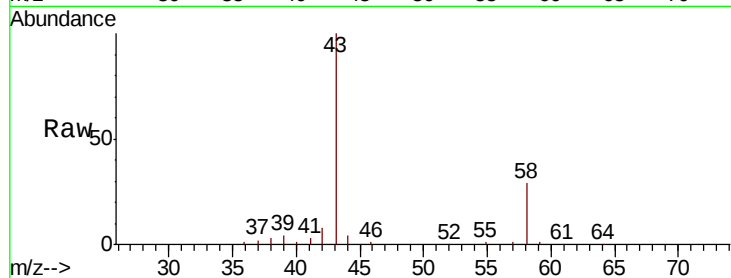
VSTD00530

Tot Ion: 43 Resp: 137060

Ion Ratio Lower Upper

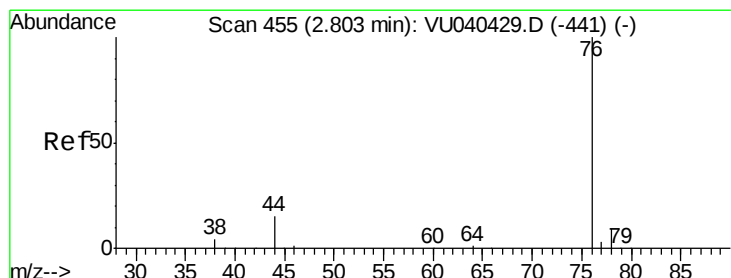
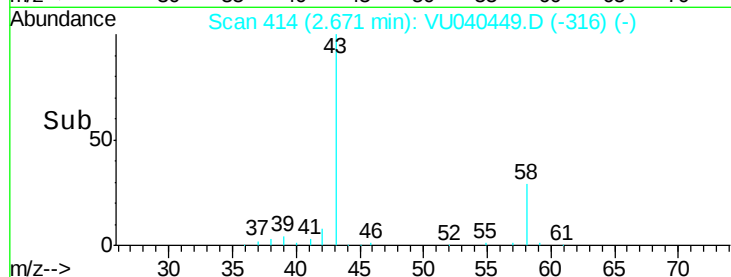
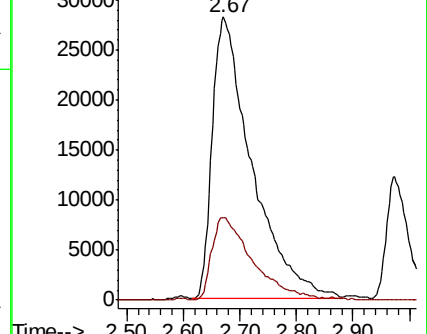
43 100

58 30.3 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.505 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040449.D

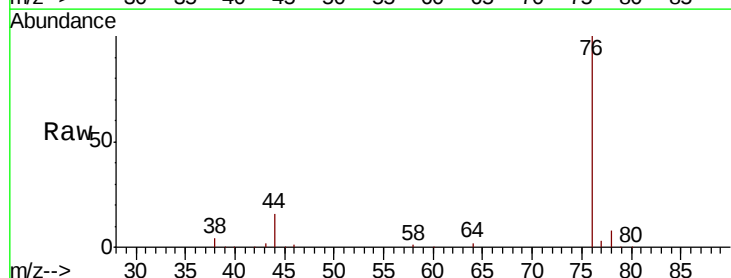
Acq: 02 Oct 2020 03:16

Tgt Ion: 76 Resp: 165717

Ion Ratio Lower Upper

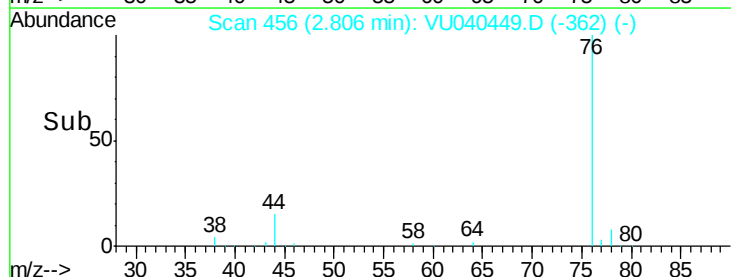
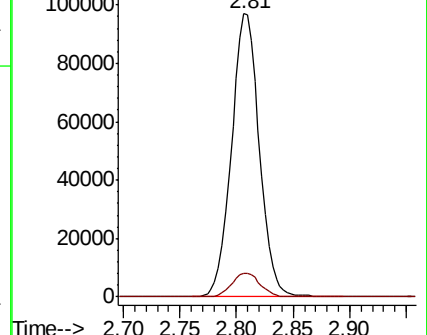
76 100

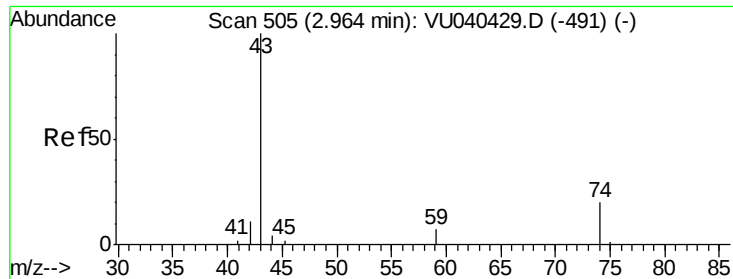
78 8.5 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

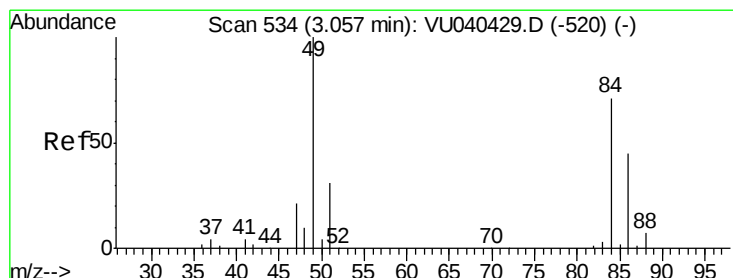
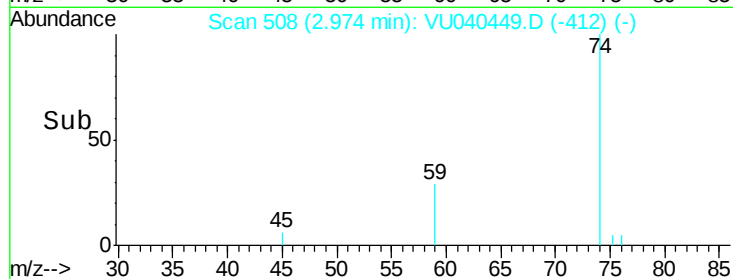
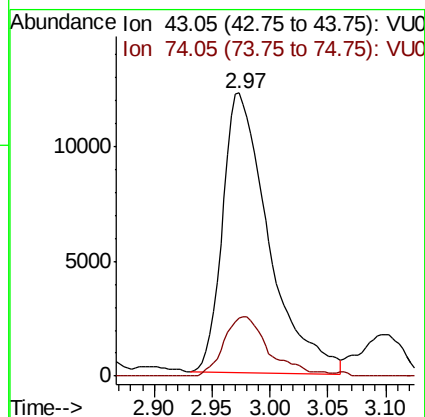
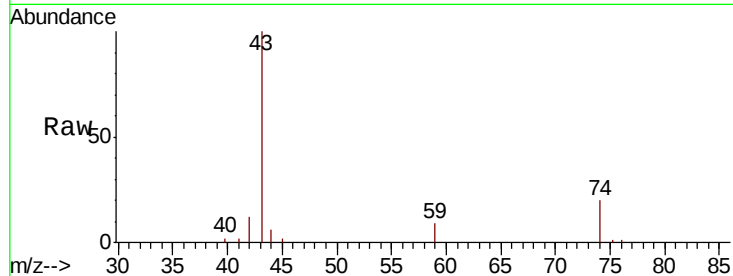




#15
Methyl Acetate
Concen: 4.475 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

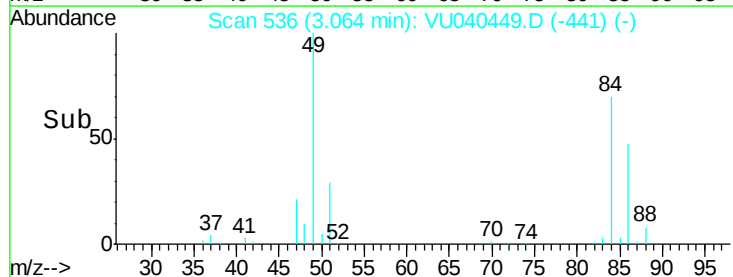
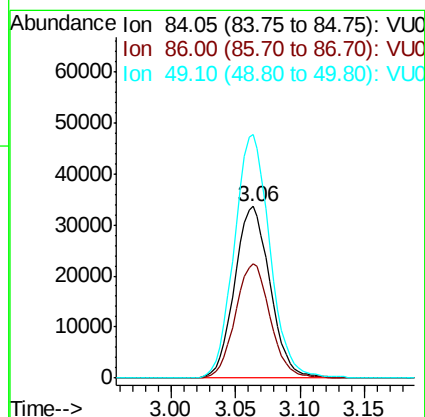
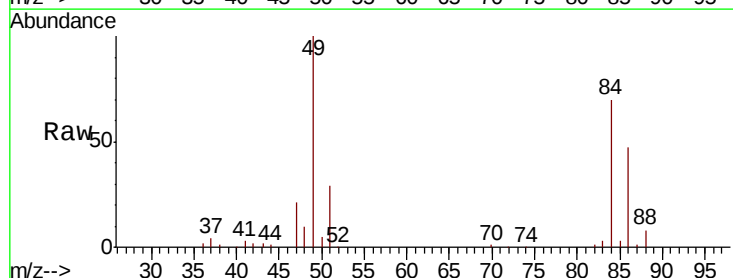
Instrument :
MSVOA_U
ClientSampled :
VSTD00530

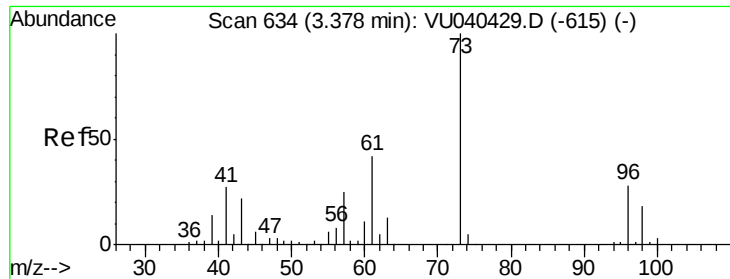
Tot Ion: 43 Resp: 33745
Ion Ratio Lower Upper
43 100
74 20.9 16.3 24.5



#16
Methylene chloride
Concen: 4.418 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.01 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

Tgt Ion: 84 Resp: 64582
Ion Ratio Lower Upper
84 100
86 67.0 44.4 82.5
49 142.0 92.2 171.2

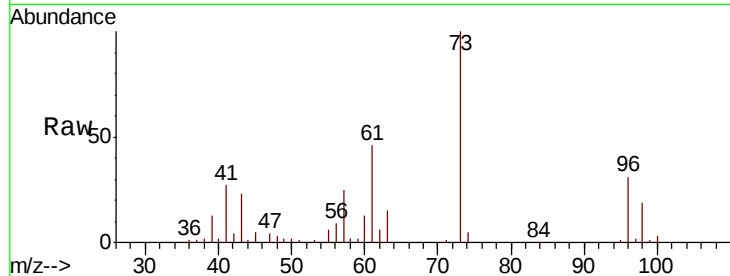




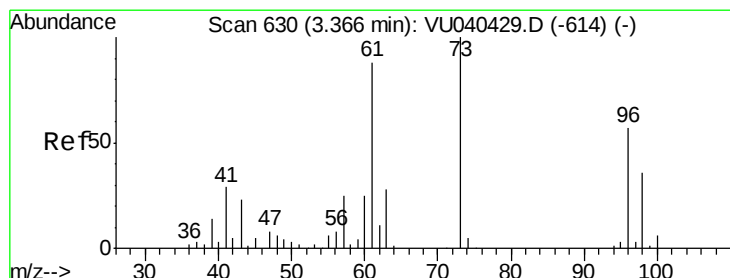
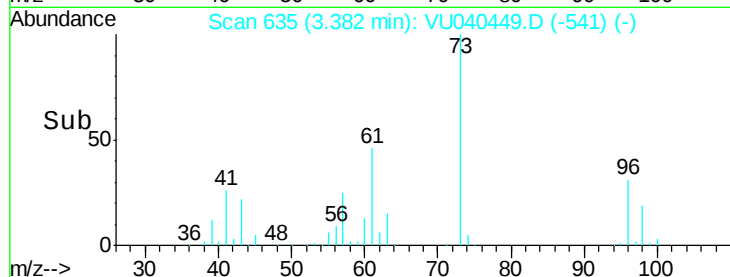
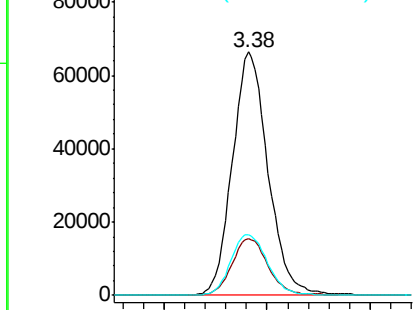
#17
Methvl tert-butvl Ether
Concen: 4.984 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion: 73 Resp: 159786
Ion Ratio Lower Upper
73 100
43 23.8 19.0 28.4
57 25.8 18.9 28.3

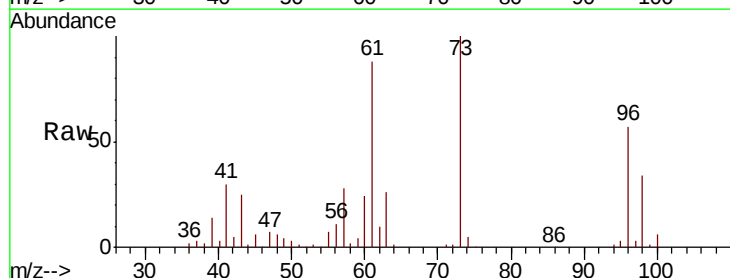


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

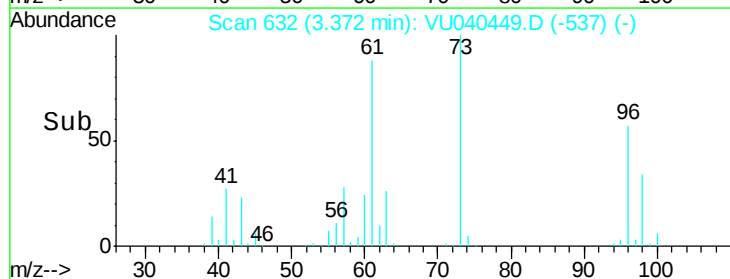
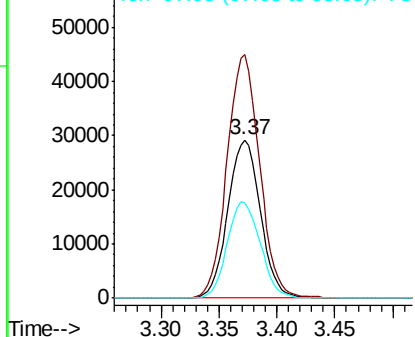


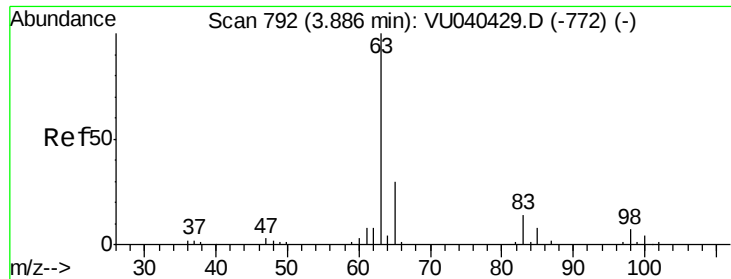
#18
trans-1,2-Dichloroethene
Concen: 4.740 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

Tgt Ion: 96 Resp: 57034
Ion Ratio Lower Upper
96 100
61 154.3 109.3 203.1
98 60.5 45.8 85.0



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

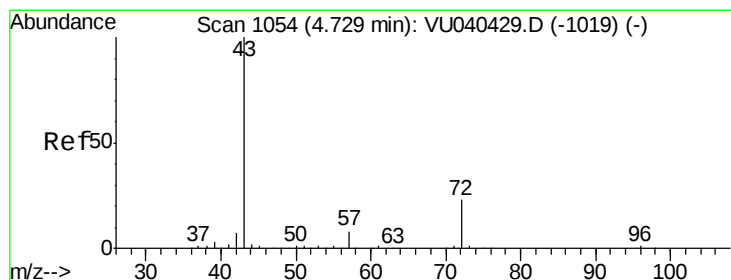
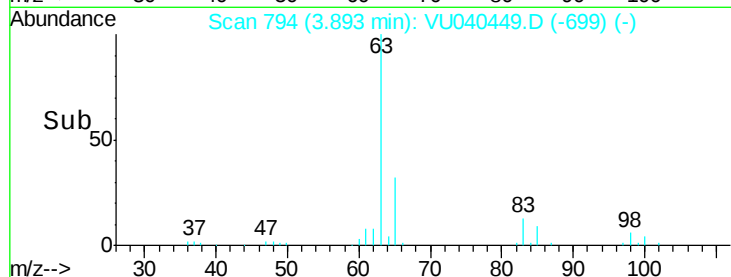
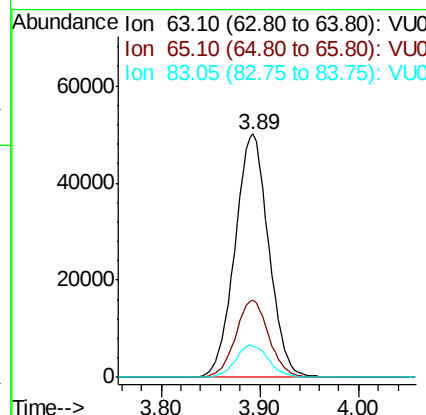
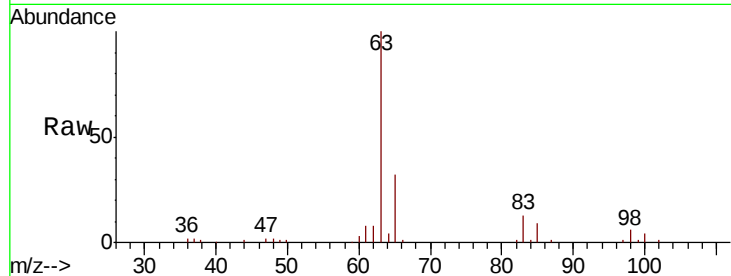




#19
 1,1-Dichloroethane
 Concen: 4.824 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VU040449.D
 Acq: 02 Oct 2020 03:16

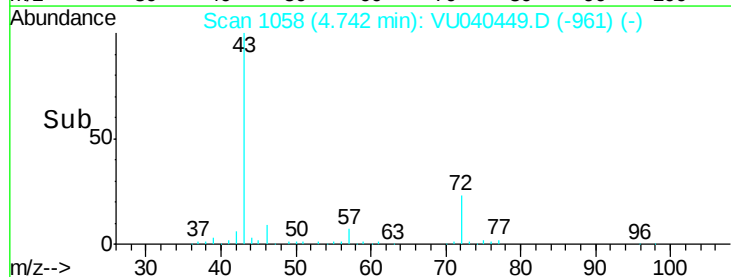
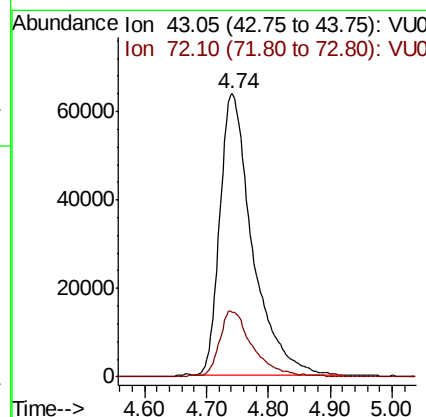
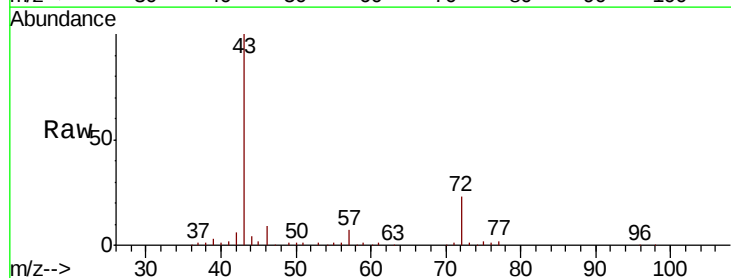
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

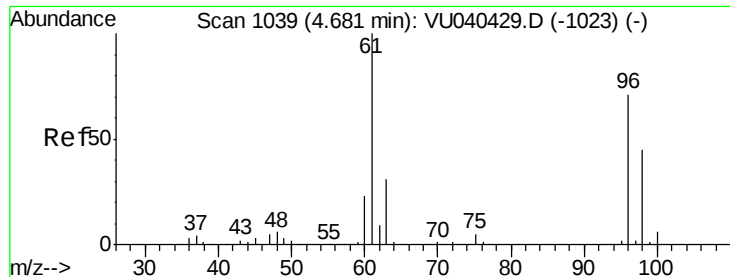
Tot Ion: 63 Resp: 119127
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.7 40.3
 83 12.7 9.1 16.9



#21
 2-Butanone
 Concen: 46.270 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: VU040449.D
 Acq: 02 Oct 2020 03:16

Tgt Ion: 43 Resp: 232562
 Ion Ratio Lower Upper
 43 100
 72 23.9 12.0 36.1





#22

cis-1,2-Dichloroethene

Concen: 4.757 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

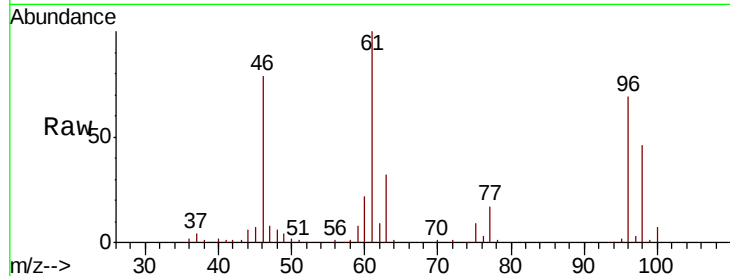
Tot Ion: 96 Resp: 63323

Ion Ratio Lower Upper

96 100

61 144.0 99.3 184.5

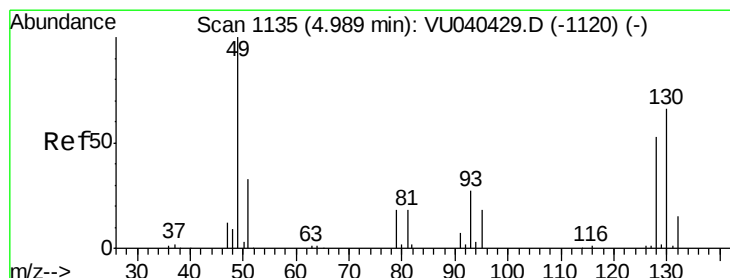
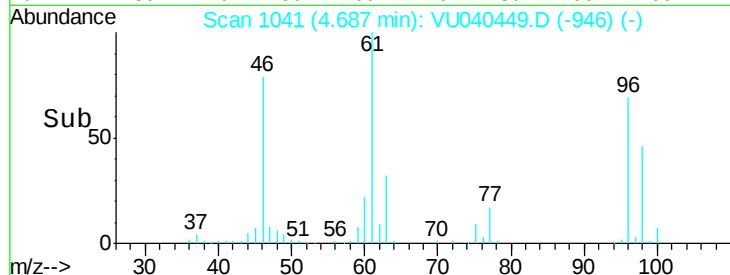
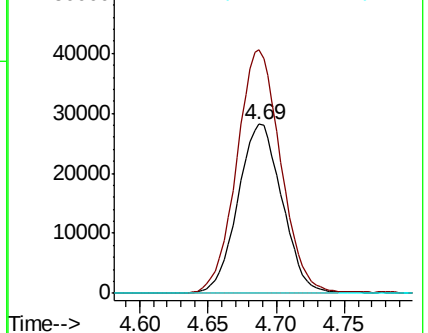
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040449.D (-1041) (-)

Ion 61.05 (60.75 to 61.75): VU040449.D (-1041) (-)

Ion 68.15 (67.85 to 68.85): VU040449.D (-1041) (-)



#23

Bromochloromethane

Concen: 4.919 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Tgt Ion: 128 Resp: 29982

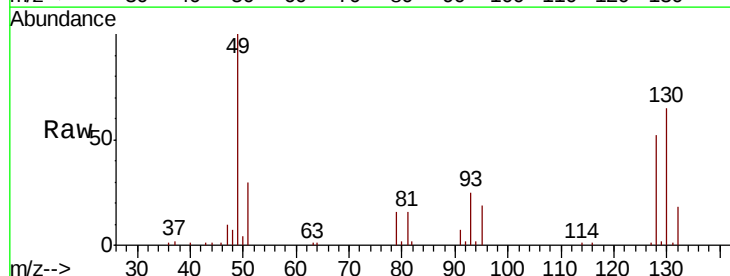
Ion Ratio Lower Upper

128 100

49 191.7 134.6 250.0

130 125.1 91.1 169.1

51 57.7 50.6 75.8

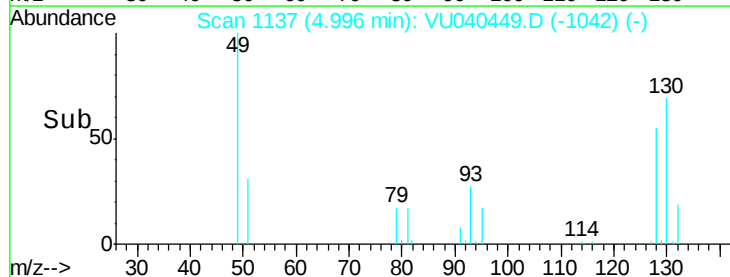
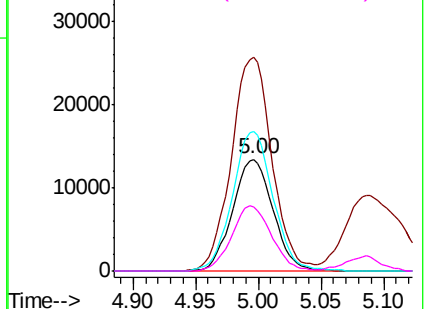


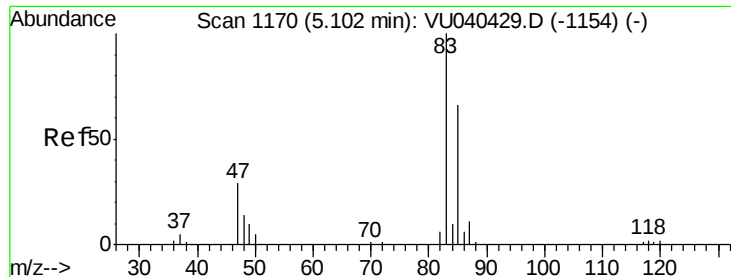
Abundance Ion 127.90 (127.60 to 128.60): VU040449.D (-1137) (-)

Ion 49.10 (48.80 to 49.80): VU040449.D (-1137) (-)

Ion 129.95 (129.65 to 130.65): VU040449.D (-1137) (-)

Ion 51.05 (50.75 to 51.75): VU040449.D (-1137) (-)

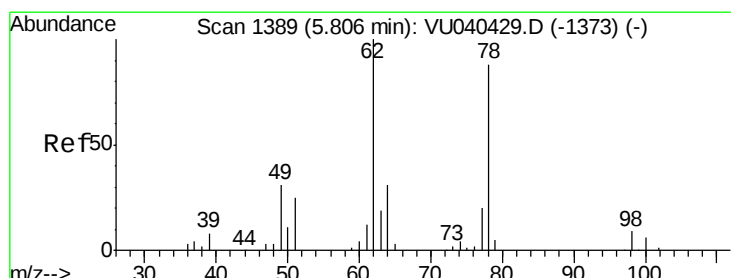
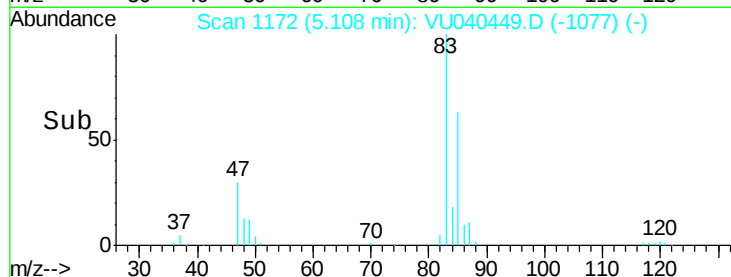
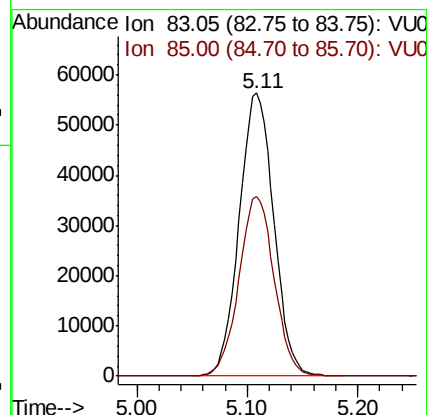
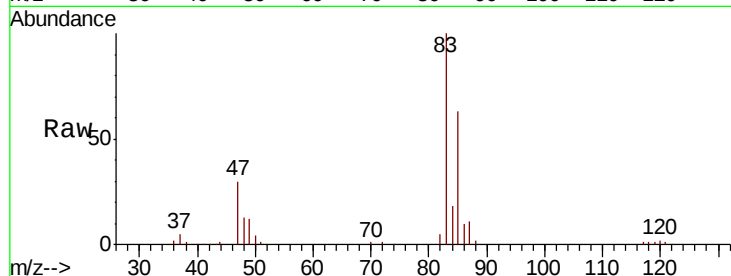




#25
Chloroform
Concen: 4.866 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

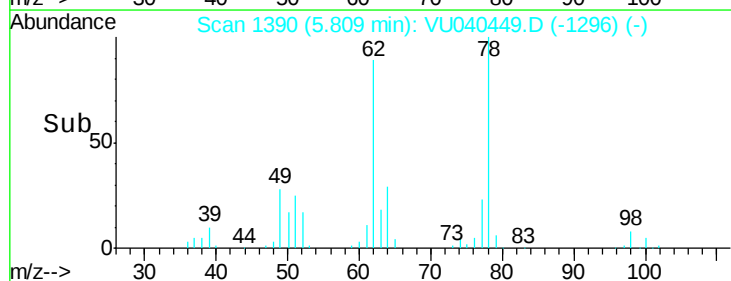
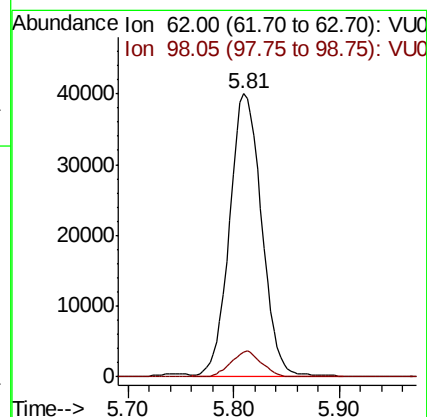
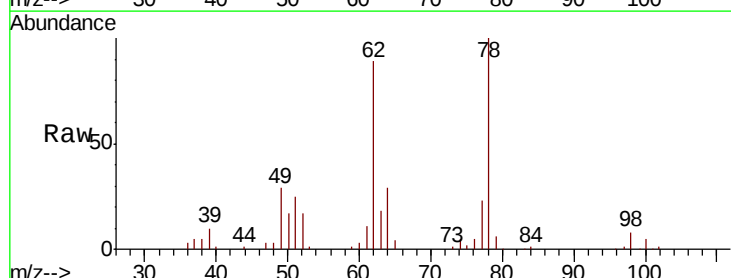
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

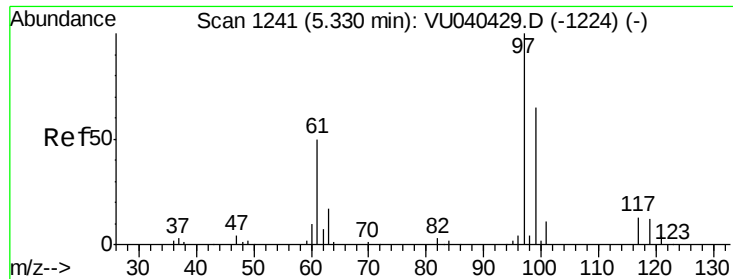
Tot Ion: 83 Resp: 122575
Ion Ratio Lower Upper
83 100
85 63.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.864 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

Tgt Ion: 62 Resp: 84836
Ion Ratio Lower Upper
62 100
98 8.8 7.5 11.3

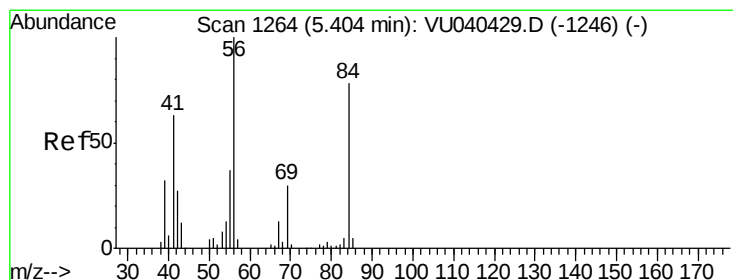
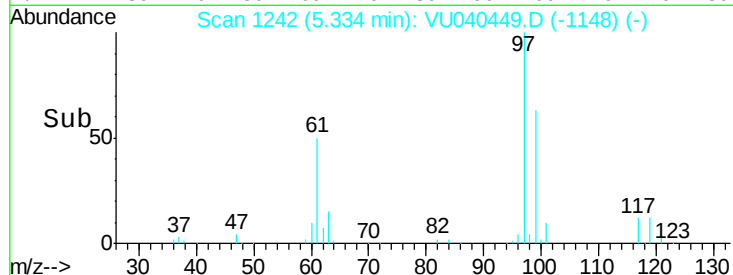
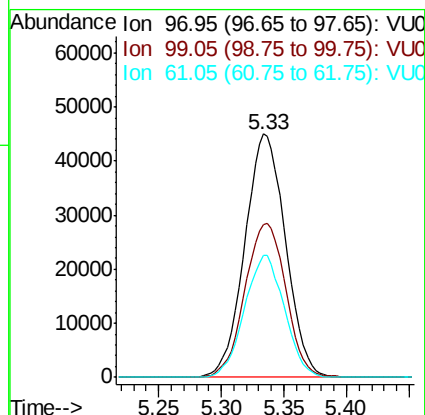
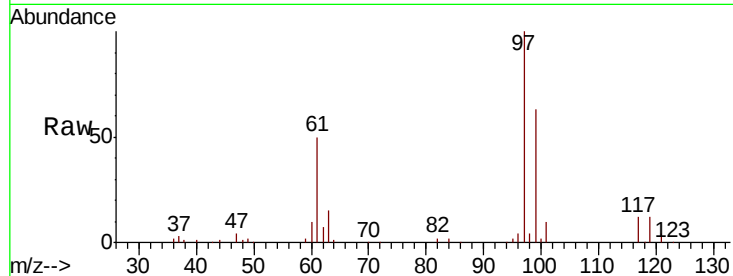




#29
 1,1,1-Trichloroethane
 Concen: 5.088 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040449.D
 Acq: 02 Oct 2020 03:16

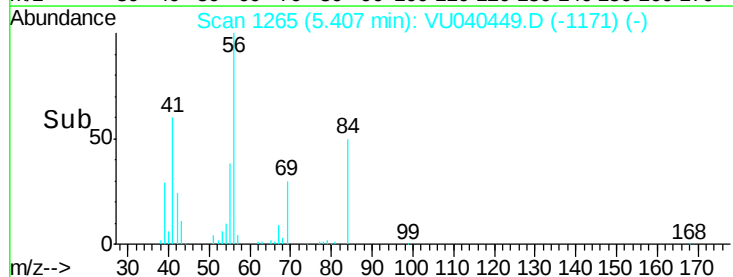
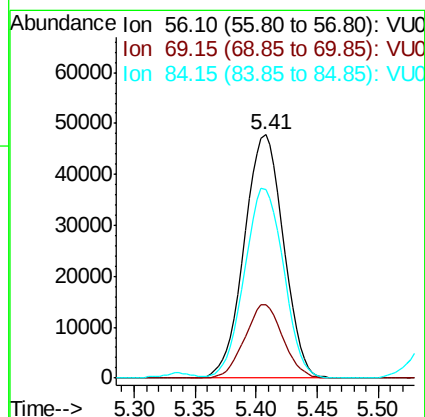
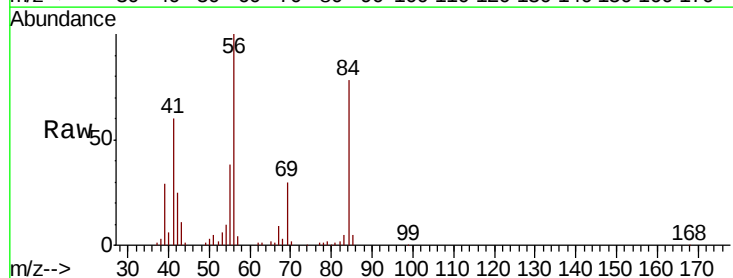
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

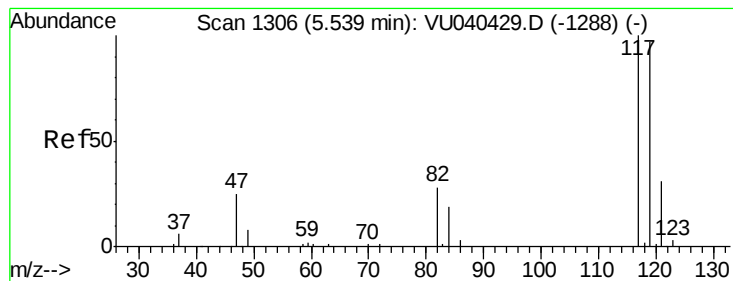
Tot Ion: 97 Resp: 101649
 Ion Ratio Lower Upper
 97 100
 99 63.8 50.7 76.1
 61 49.2 39.7 59.5



#30
 Cyclohexane
 Concen: 5.154 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040449.D
 Acq: 02 Oct 2020 03:16

Tgt Ion: 56 Resp: 106511
 Ion Ratio Lower Upper
 56 100
 69 29.4 23.3 34.9
 84 77.9 64.2 96.4





#31

Carbon tetrachloride

Concen: 5.077 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

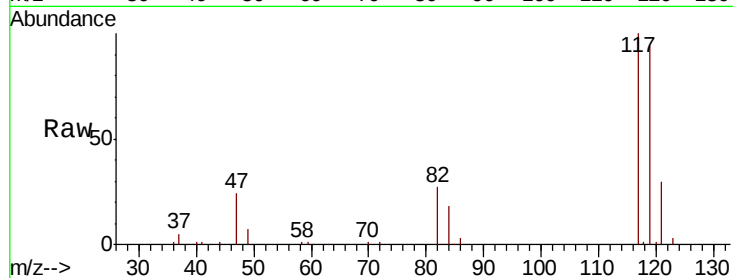
VSTD00530

Tot Ion:117 Resp: 86968

Ion Ratio Lower Upper

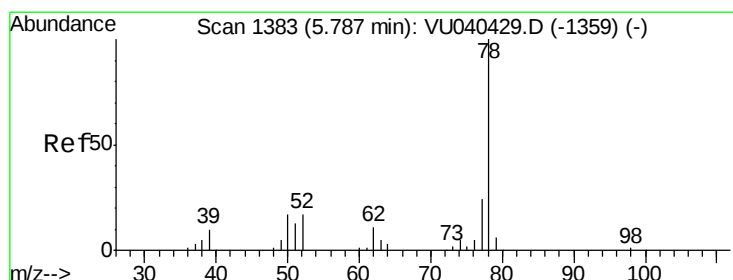
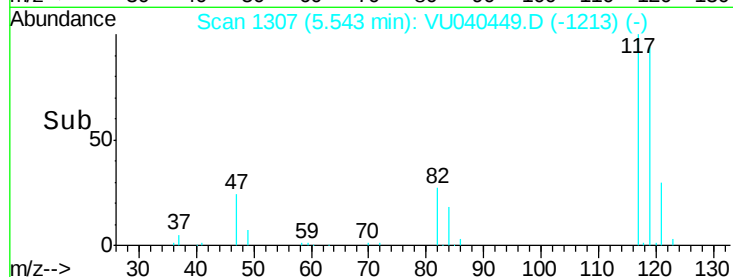
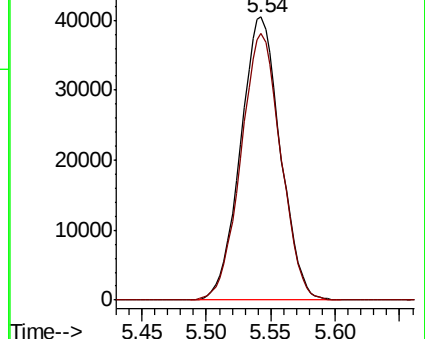
117 100

119 94.2 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.064 ug/L

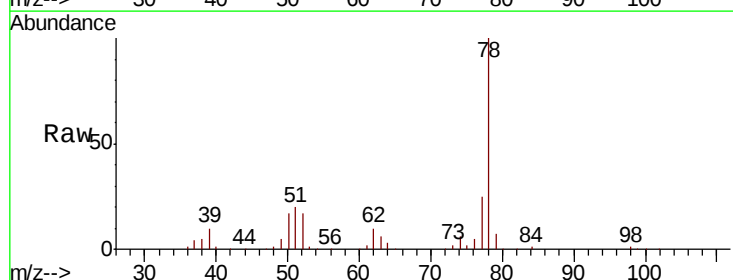
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

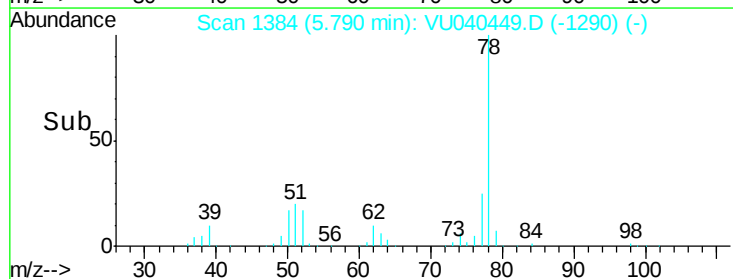
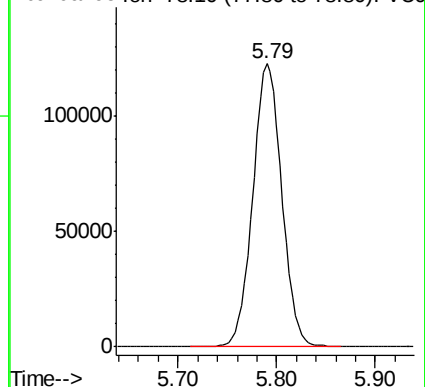
Lab File: VU040449.D

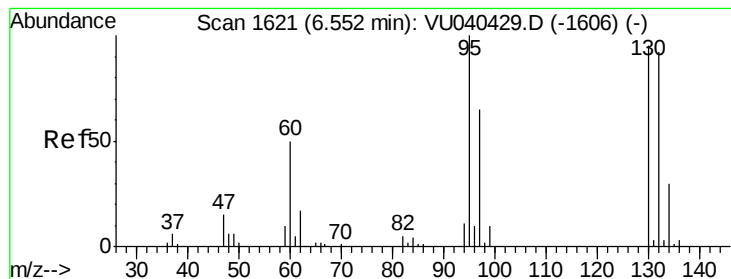
Acq: 02 Oct 2020 03:16

Tgt Ion: 78 Resp: 248266



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.983 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

Tot Ion: 95 Resp: 64865

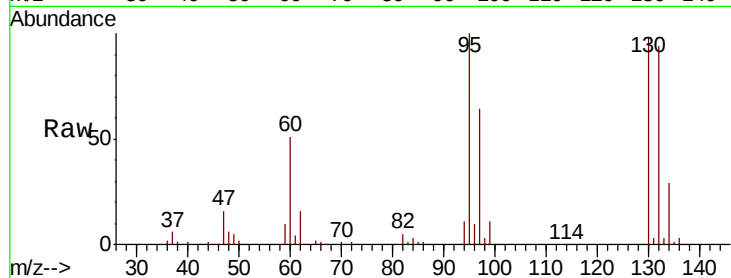
Ion Ratio Lower Upper

95 100

97 63.9 46.3 85.9

132 93.9 60.5 112.3

130 97.7 64.3 119.3



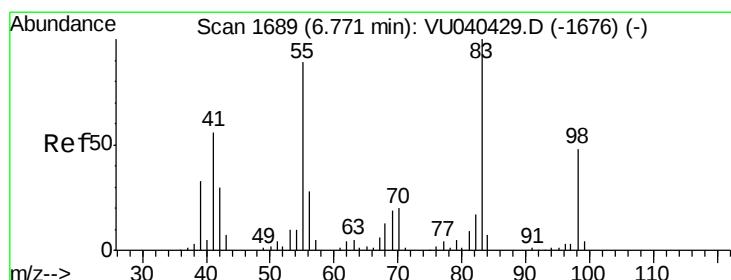
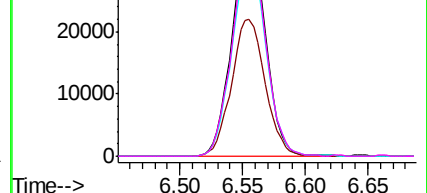
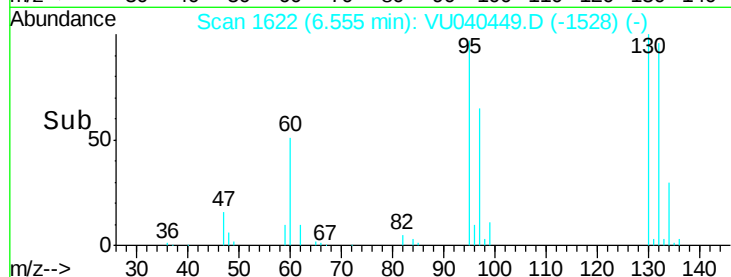
Abundance Ion 95.00 (94.70 to 95.70): VU040429.D (-1606) (-)

Ion 96.95 (96.65 to 97.65): VU040429.D (-1606) (-)

Ion 131.95 (131.65 to 132.65): VU040429.D (-1606) (-)

Ion 129.95 (129.65 to 130.65): VU040429.D (-1606) (-)

Time-->



#35

Methylcyclohexane

Concen: 4.995 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

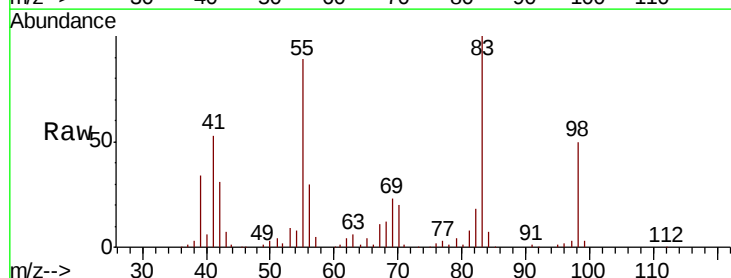
Tgt Ion: 83 Resp: 95369

Ion Ratio Lower Upper

83 100

55 87.6 71.4 107.2

98 47.3 38.5 57.7

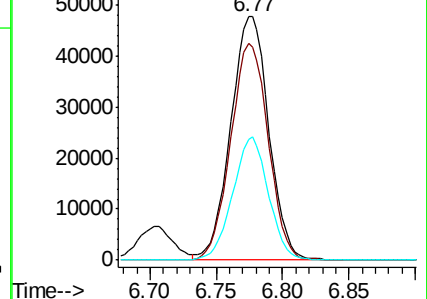
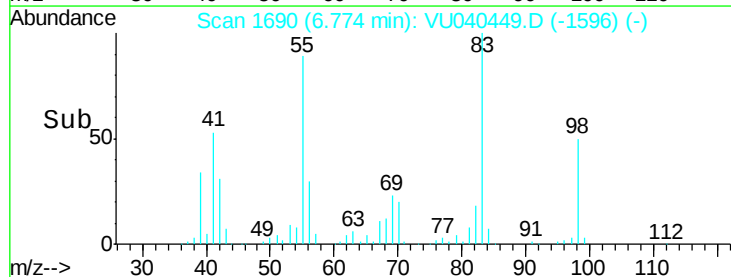


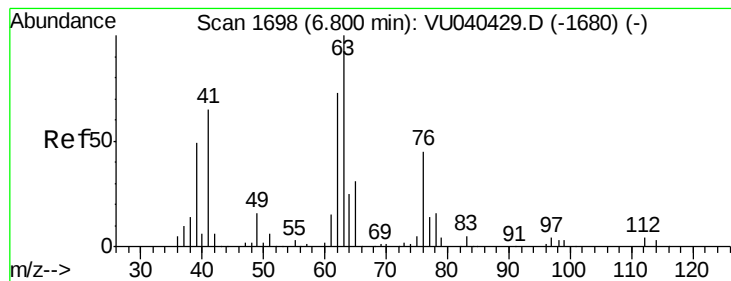
Abundance Ion 83.15 (82.85 to 83.85): VU040429.D (-1676) (-)

Ion 55.10 (54.80 to 55.80): VU040429.D (-1676) (-)

Ion 98.15 (97.85 to 98.85): VU040429.D (-1676) (-)

Time-->





#37

1,2-Dichloropropane

Concen: 4.917 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

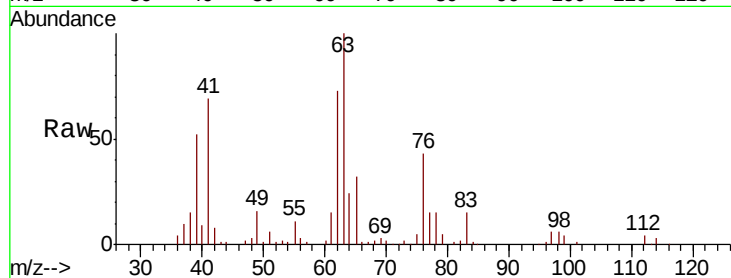
VSTD00530

Tot Ion: 63 Resp: 67144

Ion Ratio Lower Upper

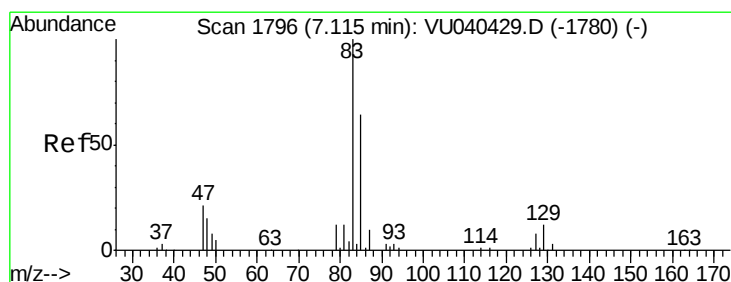
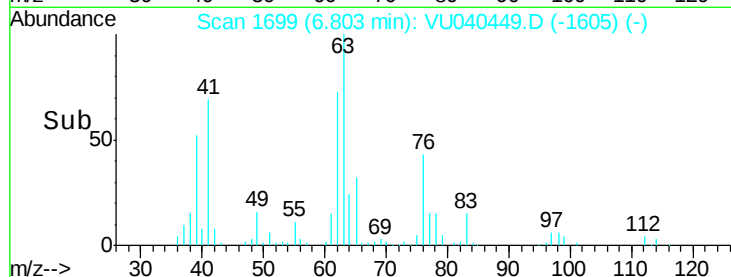
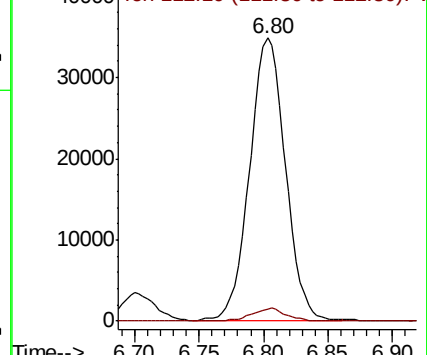
63 100

112 4.2 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 5.010 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

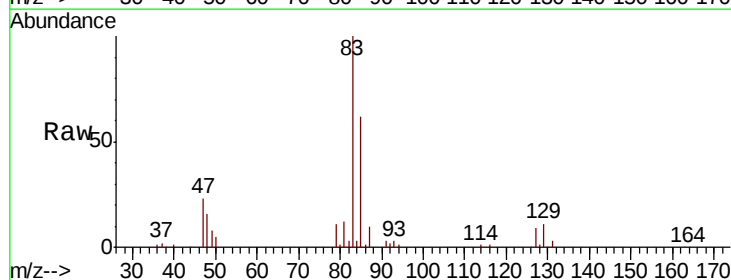
Tgt Ion: 83 Resp: 84464

Ion Ratio Lower Upper

83 100

85 62.0 45.1 83.9

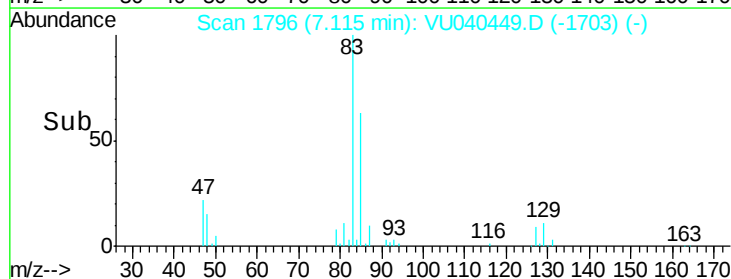
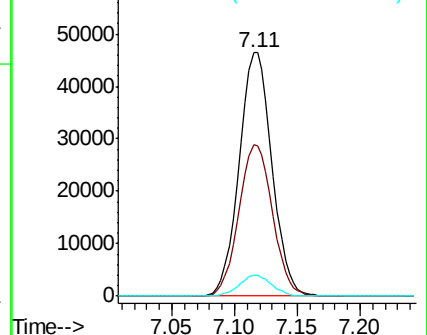
127 8.6 6.6 9.8

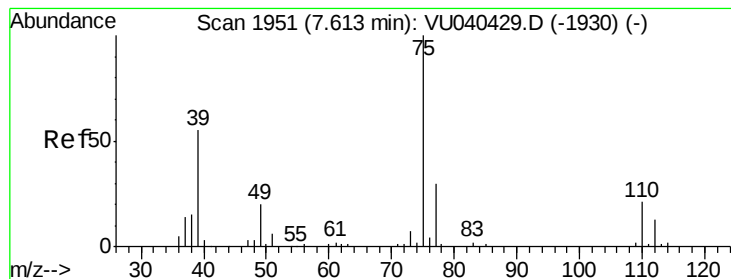


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V



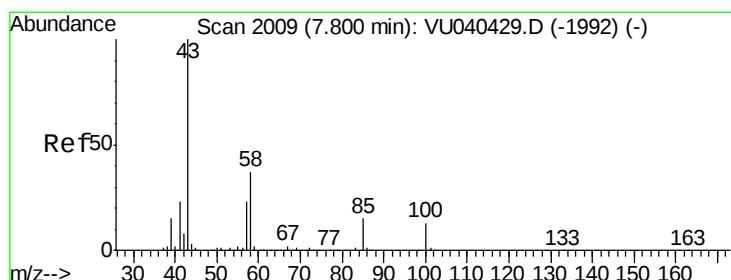
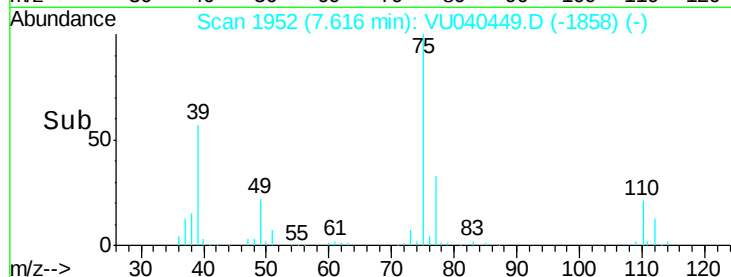
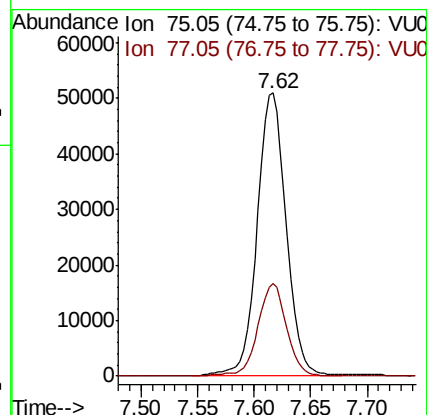
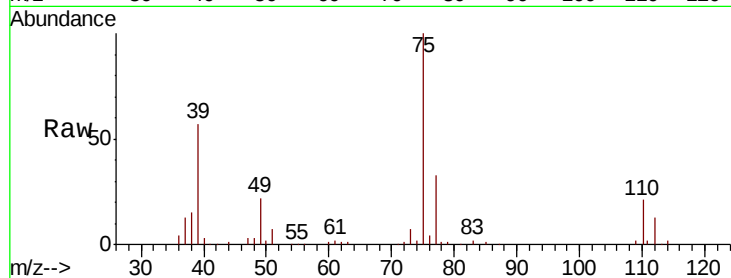


#39

cis-1,3-Dichloropropene
 Concen: 4.975 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040449.D
 Acq: 02 Oct 2020 03:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

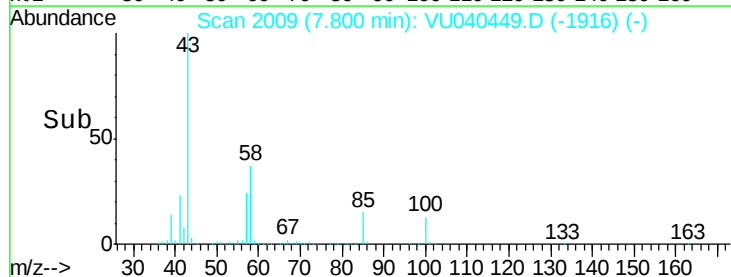
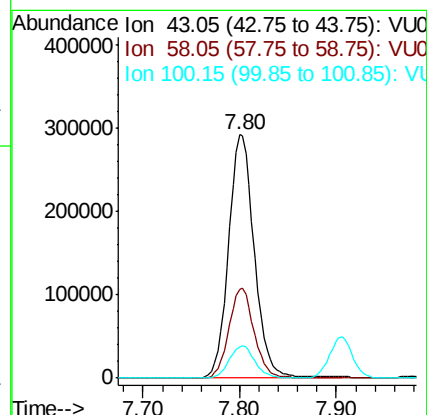
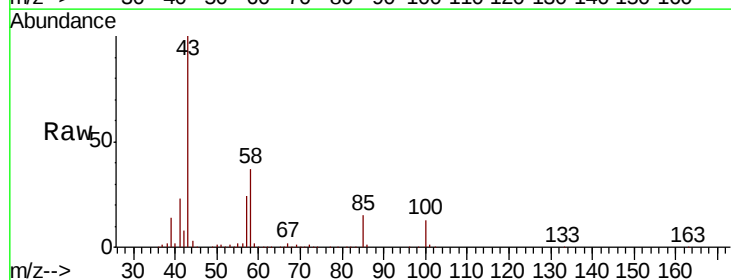
Tot Ion: 75 Resp: 91116
 Ion Ratio Lower Upper
 75 100
 77 32.6 23.5 43.7

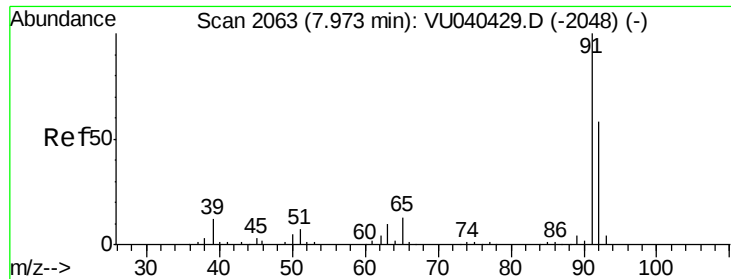


#40

4-Methyl-2-pentanone
 Concen: 50.547 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040449.D
 Acq: 02 Oct 2020 03:16

Tgt Ion: 43 Resp: 540482
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.2 43.8
 100 13.2 10.3 15.5





#42

Toluene

Concen: 5.117 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

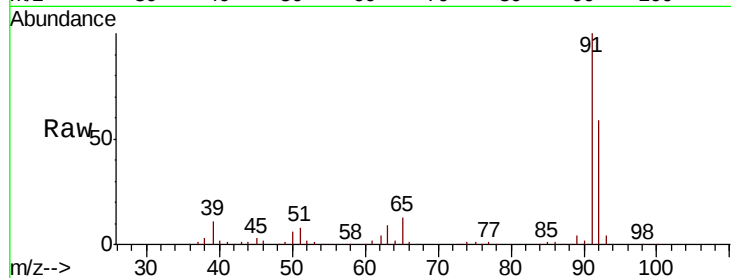
VSTD00530

Tot Ion: 91 Resp: 257254

Ion Ratio Lower Upper

91 100

92 58.8 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

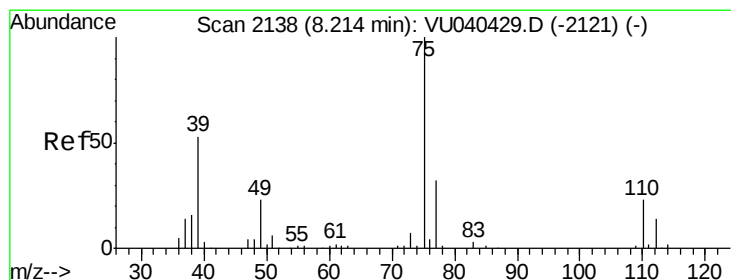
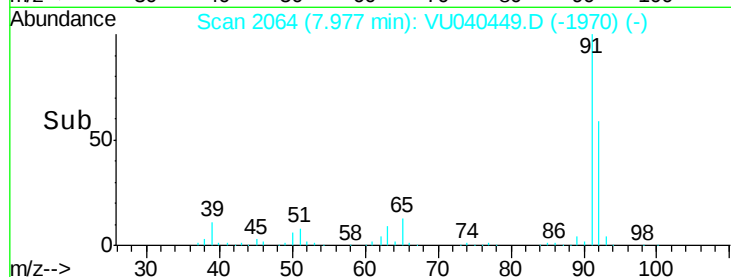
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.949 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040449.D

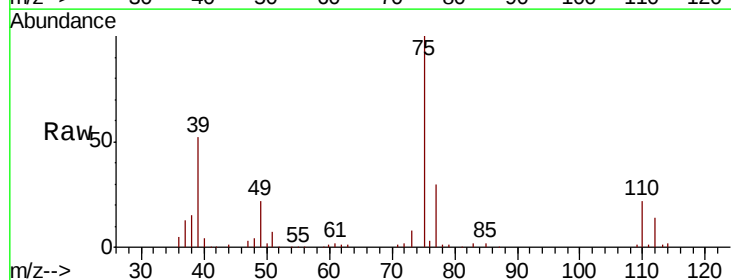
Acq: 02 Oct 2020 03:16

Tgt Ion: 75 Resp: 83550

Ion Ratio Lower Upper

75 100

77 29.6 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.22

50000

40000

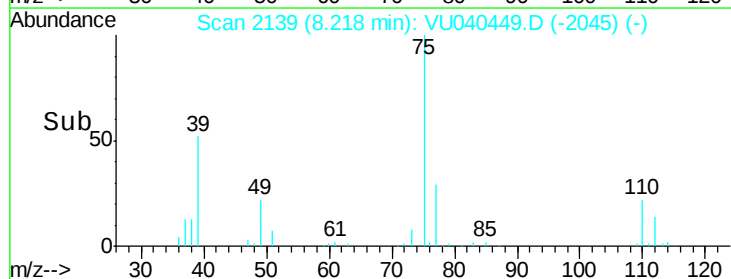
30000

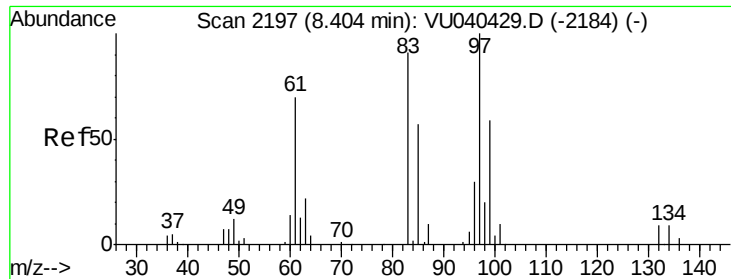
20000

10000

0

Time-->

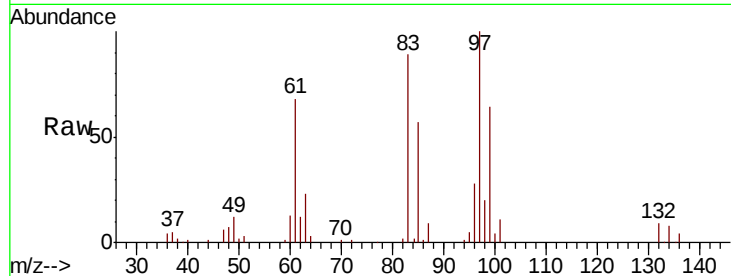




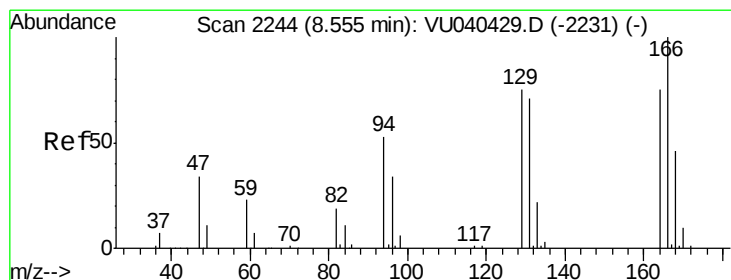
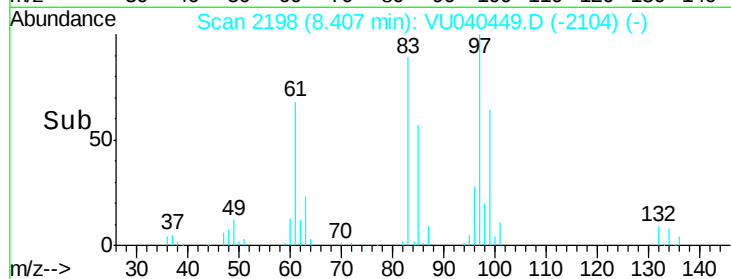
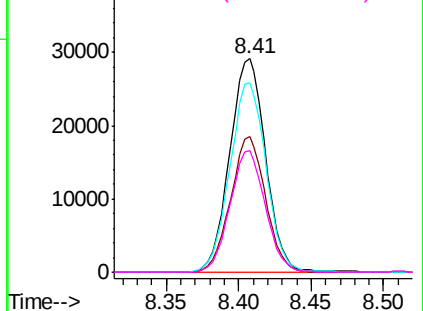
#45
 1,1,2-Trichloroethane
 Concen: 5.233 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040449.D
 Acq: 02 Oct 2020 03:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion:	97	Resp:	50086
Ion	Ratio	Lower	Upper
97	100		
99	63.7	45.8	85.0
83	88.9	62.9	116.9
85	56.9	41.7	77.5

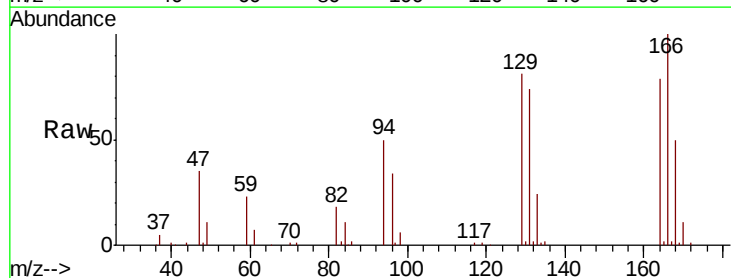


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

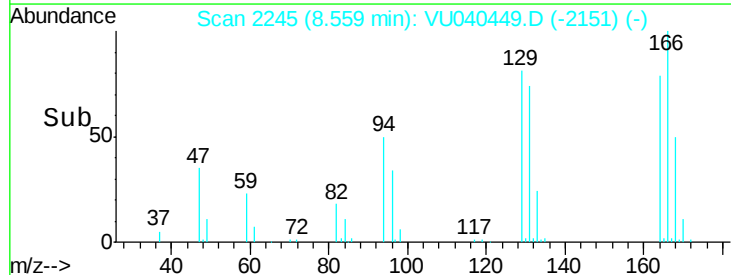
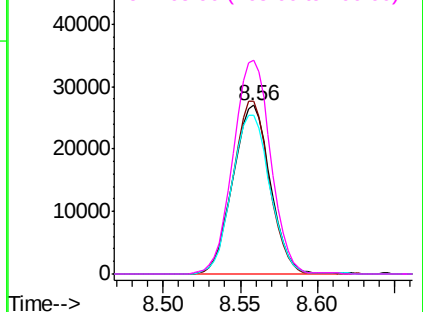


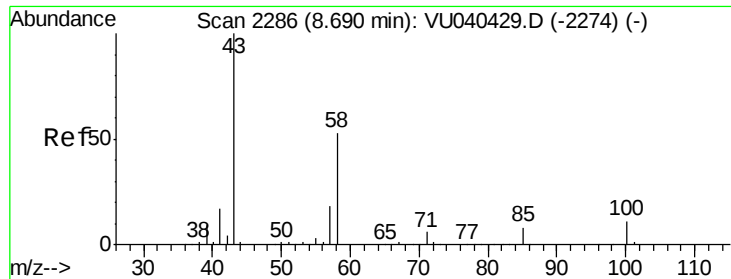
#47
 Tetrachloroethene
 Concen: 4.925 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040449.D
 Acq: 02 Oct 2020 03:16

Tgt Ion:	164	Resp:	45519
Ion	Ratio	Lower	Upper
164	100		
129	102.6	70.3	130.7
131	94.2	69.2	128.6
166	126.8	91.1	169.3



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

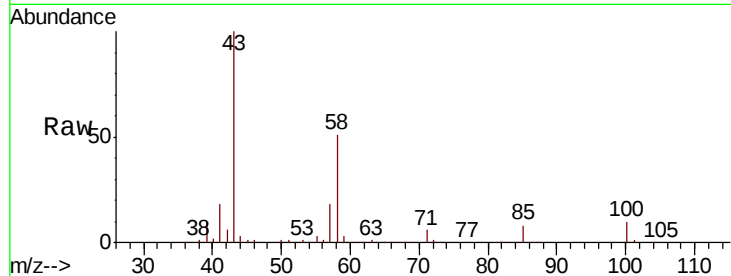




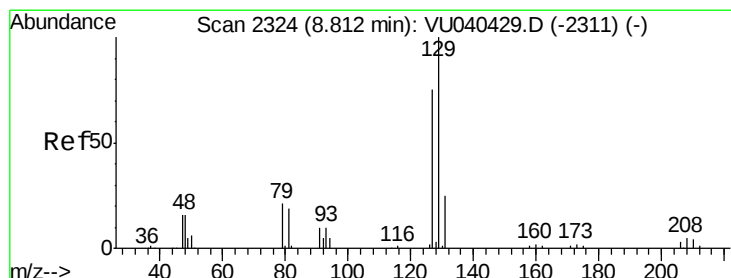
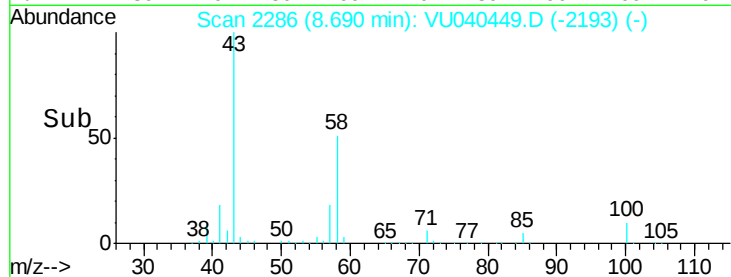
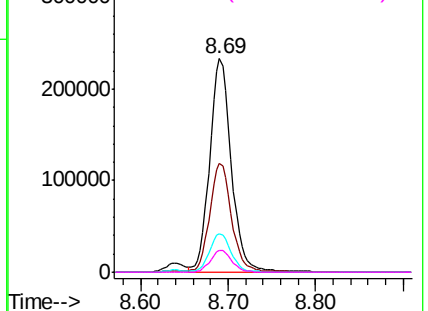
#48
2-Hexanone
Concen: 50.788 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion: 43 Resp: 400165
Ion Ratio Lower Upper
43 100
58 50.3 41.0 61.4
57 18.2 14.6 22.0
100 10.2 8.2 12.4

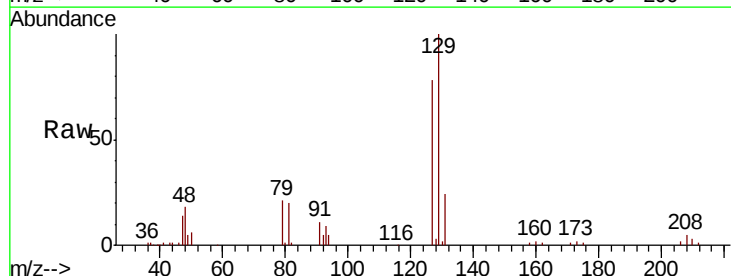


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

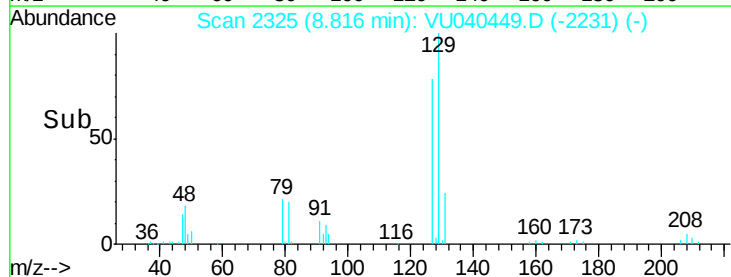
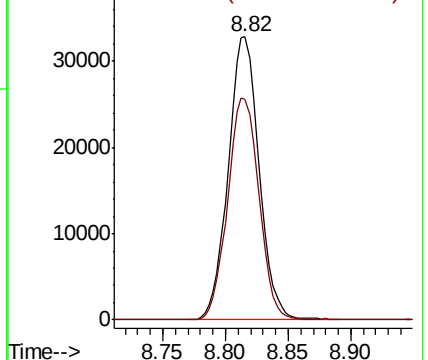


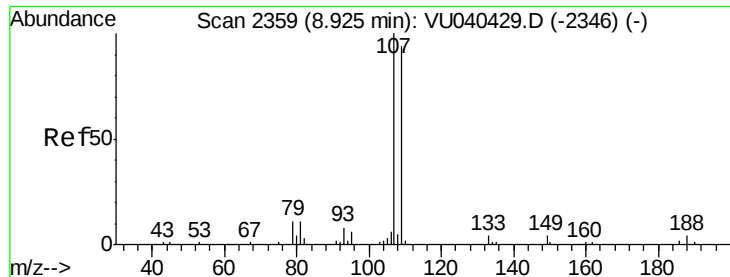
#49
Dibromochloromethane
Concen: 5.036 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

Tgt Ion: 129 Resp: 56073
Ion Ratio Lower Upper
129 100
127 78.2 55.4 103.0



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

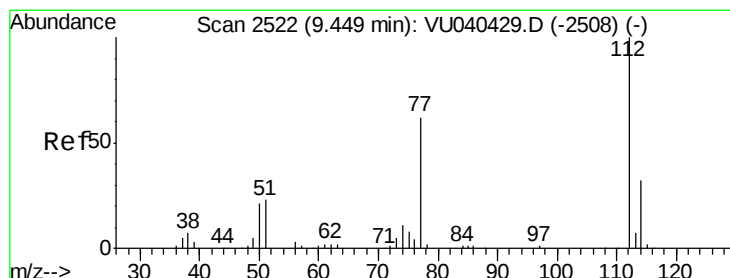
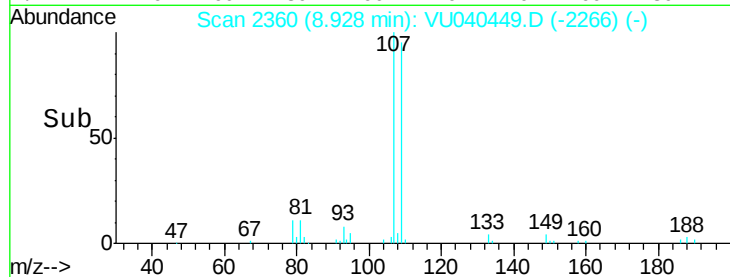
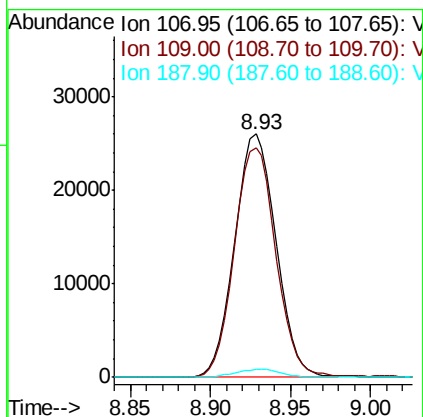
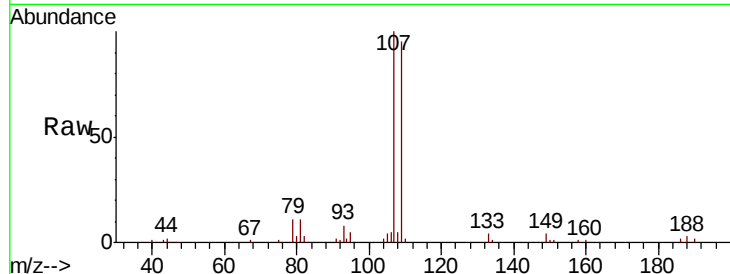




#50
1,2-Dibromoethane
Concen: 4.989 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

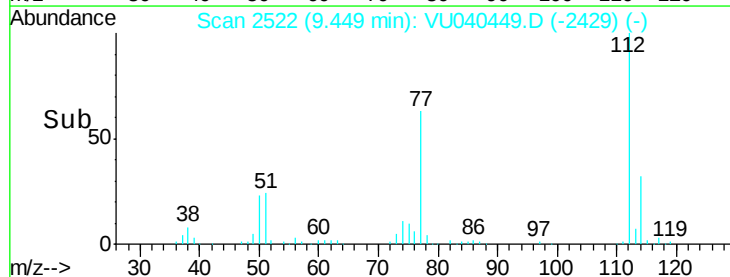
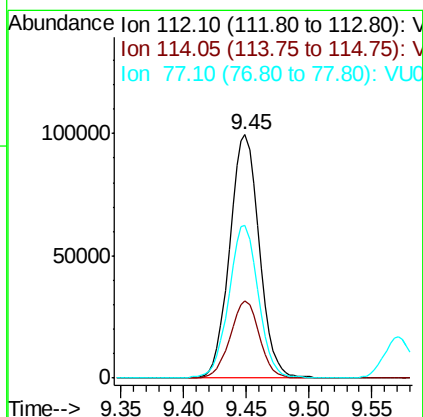
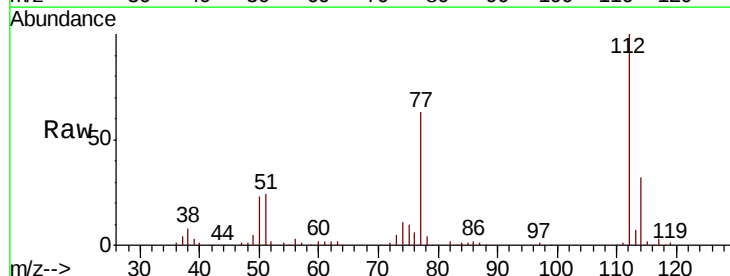
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

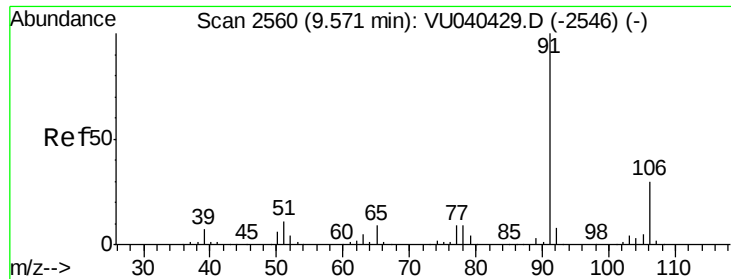
Tot Ion:107 Resp: 45805
Ion Ratio Lower Upper
107 100
109 94.5 69.4 128.8
188 3.4 3.3 4.9



#51
Chlorobenzene
Concen: 5.016 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

Tgt Ion:112 Resp: 163048
Ion Ratio Lower Upper
112 100
114 31.7 22.0 40.8
77 62.6 49.5 74.3





#52

Ethylbenzene

Concen: 5.208 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

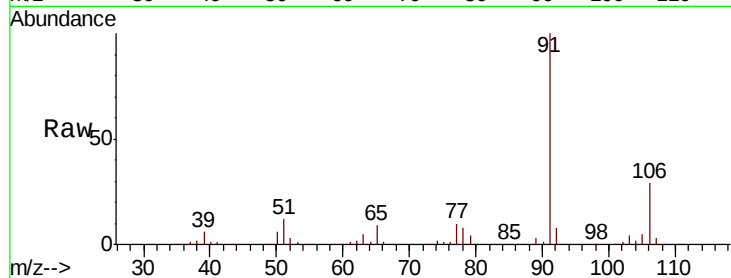
VSTD00530

Tot Ion: 91 Resp: 284138

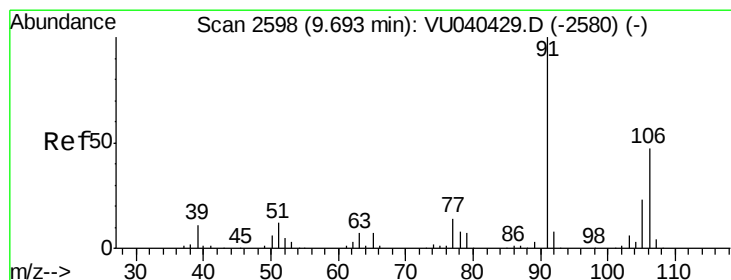
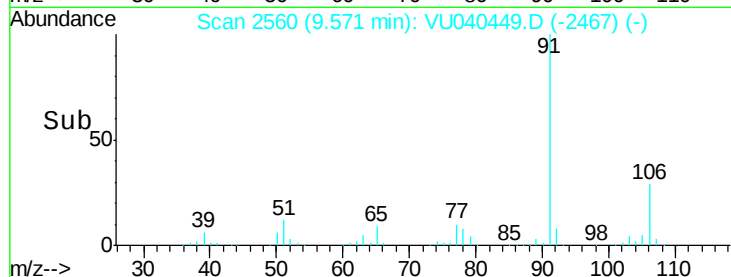
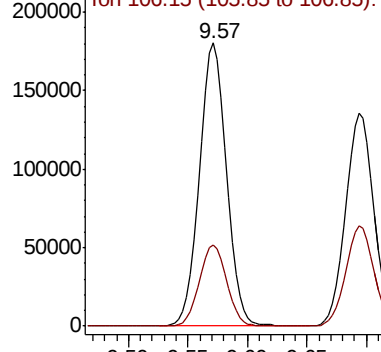
Ion Ratio Lower Upper

91 100

106 28.7 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040449.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.168 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040449.D

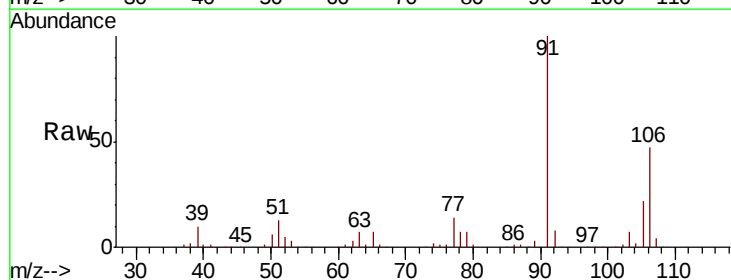
Acq: 02 Oct 2020 03:16

Tgt Ion: 106 Resp: 105034

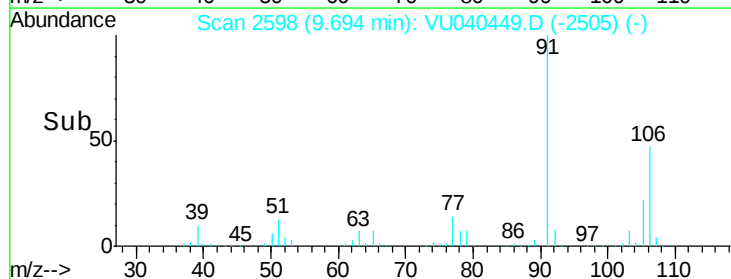
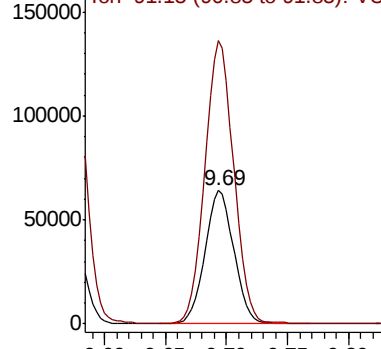
Ion Ratio Lower Upper

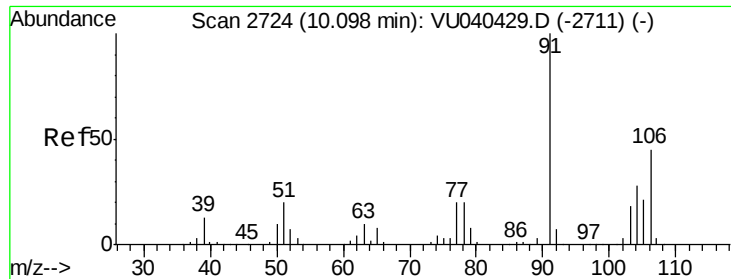
106 100

91 212.5 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040449.D (-2580) (-)

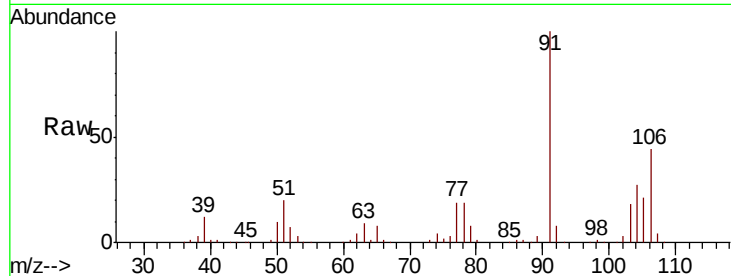




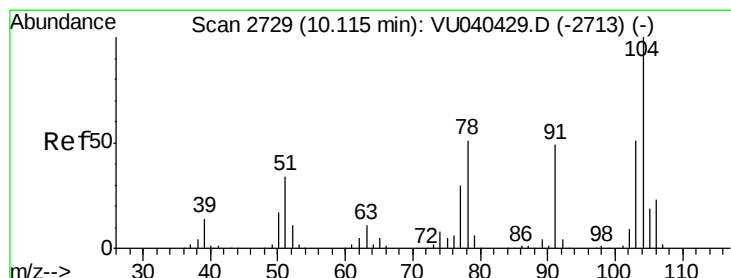
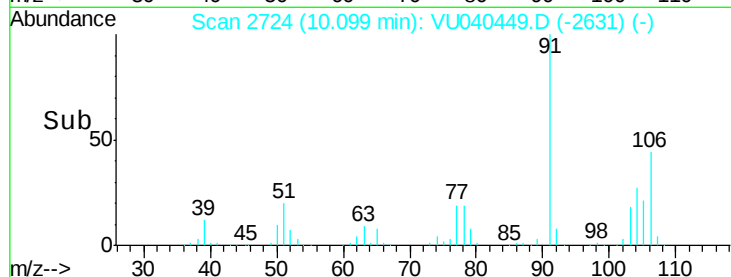
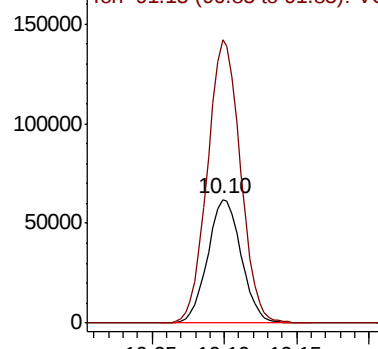
#54
o-Xylene
Concen: 5.244 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion:106 Resp: 100262
Ion Ratio Lower Upper
106 100
91 228.6 160.9 298.9

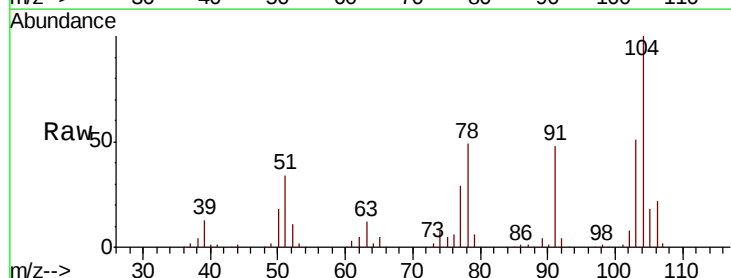


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

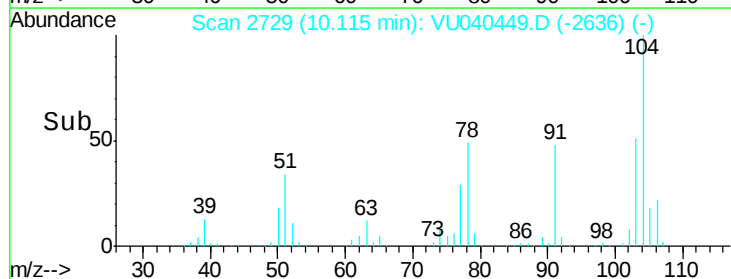
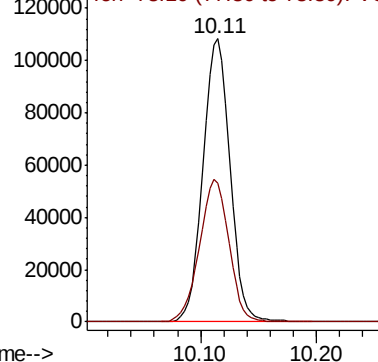


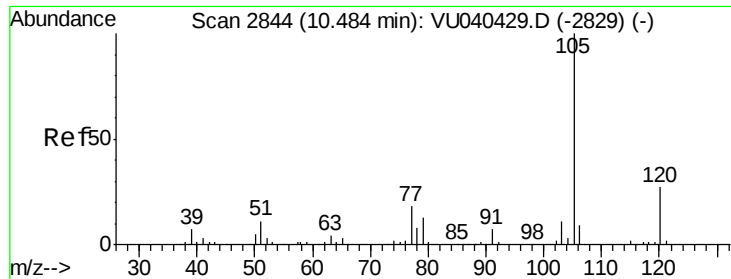
#55
Styrene
Concen: 5.214 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040449.D
Acq: 02 Oct 2020 03:16

Tgt Ion:104 Resp: 173897
Ion Ratio Lower Upper
104 100
78 49.0 34.4 63.8



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





#56

Isopropylbenzene

Concen: 5.254 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

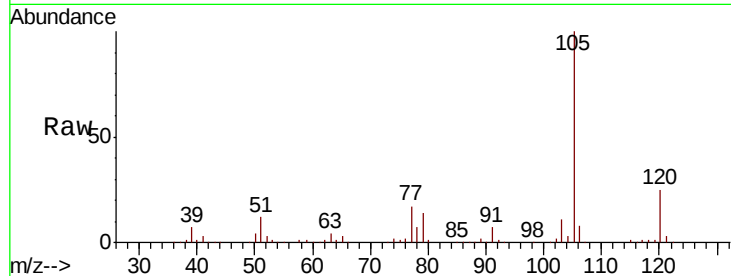
Tot Ion:105 Resp: 271102

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

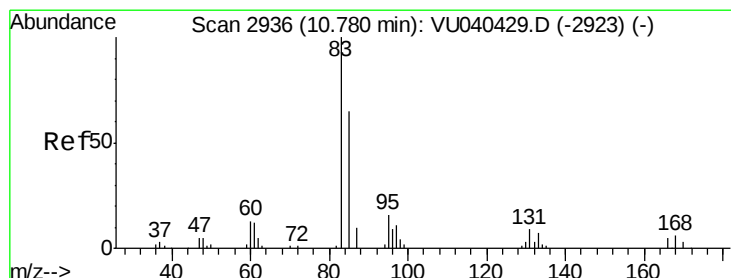
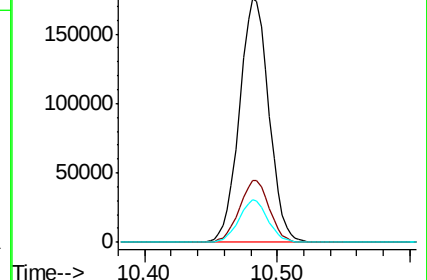
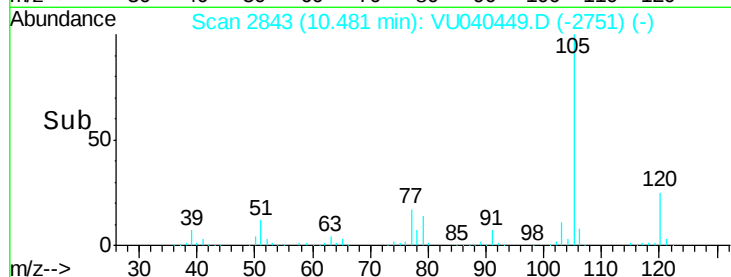
77 17.1 14.3 21.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.802 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

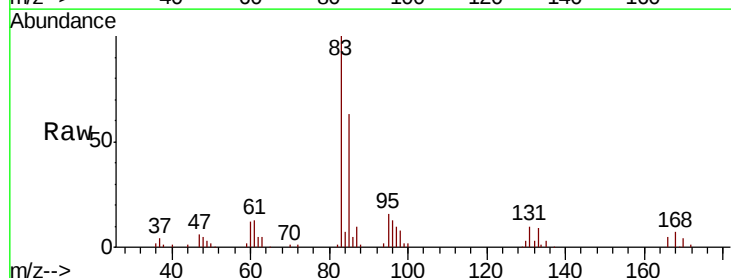
Tgt Ion: 83 Resp: 62299

Ion Ratio Lower Upper

83 100

85 62.9 45.1 83.9

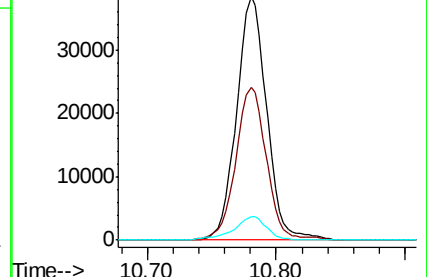
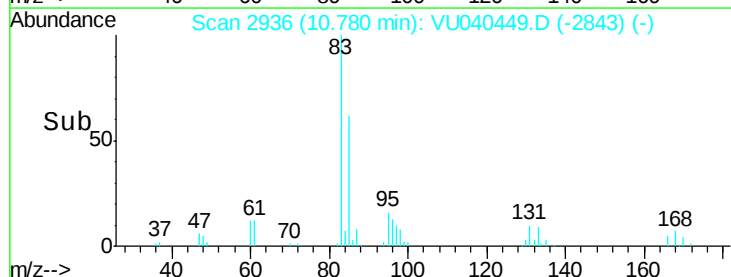
131 9.7 6.6 10.0

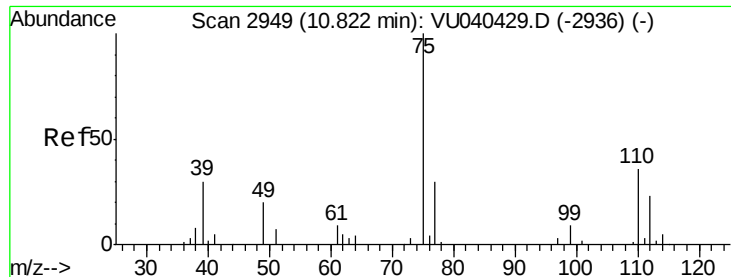


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

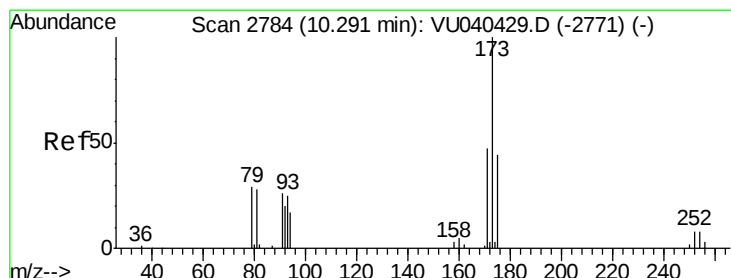
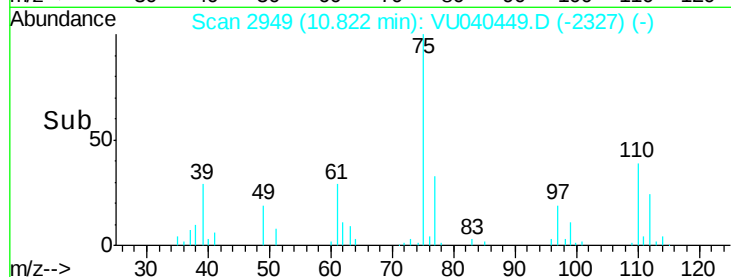
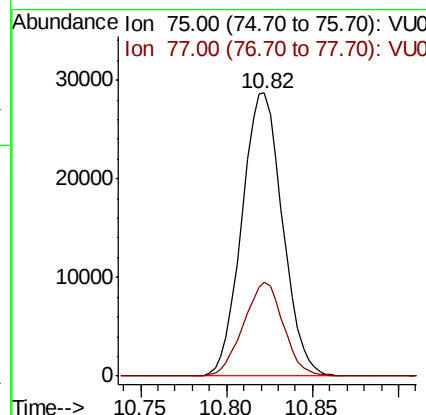
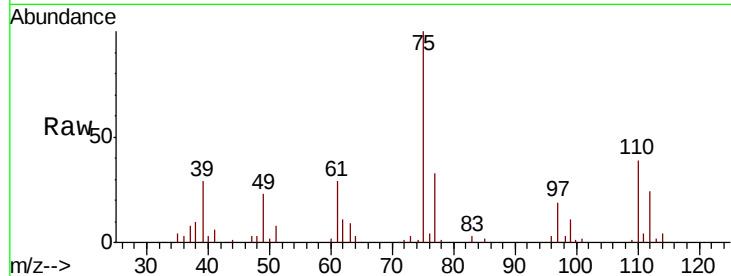




#59
 1,2,3-Trichloropropane
 Concen: 4.757 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040449.D
 Acq: 02 Oct 2020 03:16

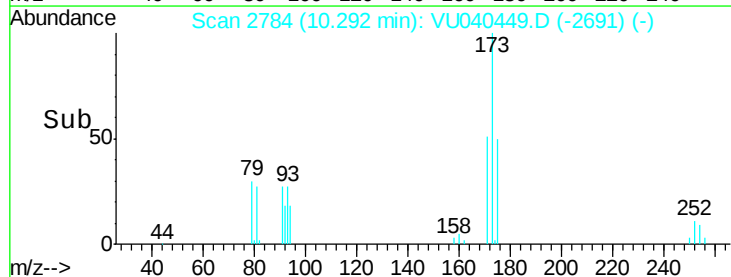
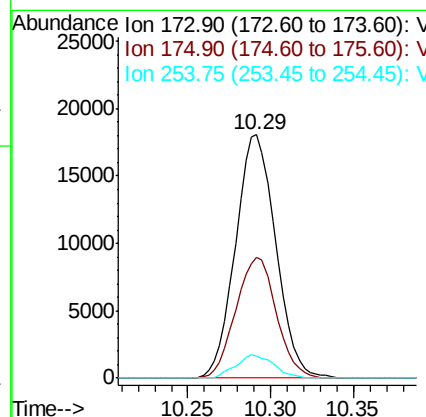
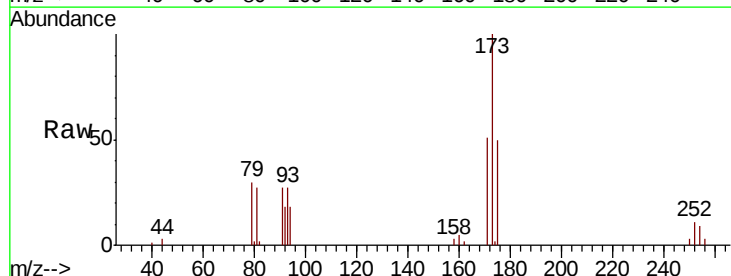
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

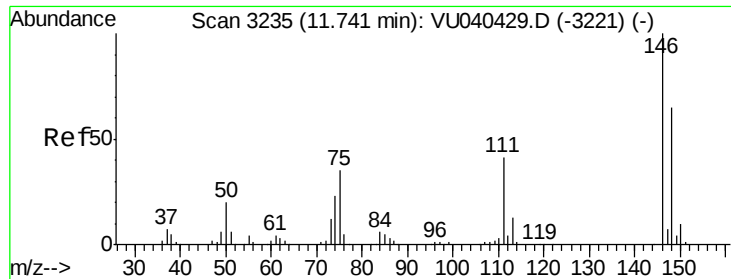
Tot Ion: 75 Resp: 47076
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.7 38.5



#61
 Bromoform
 Concen: 4.932 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040449.D
 Acq: 02 Oct 2020 03:16

Tgt Ion: 173 Resp: 30527
 Ion Ratio Lower Upper
 173 100
 175 49.7 39.6 59.4
 254 8.9 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 5.225 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

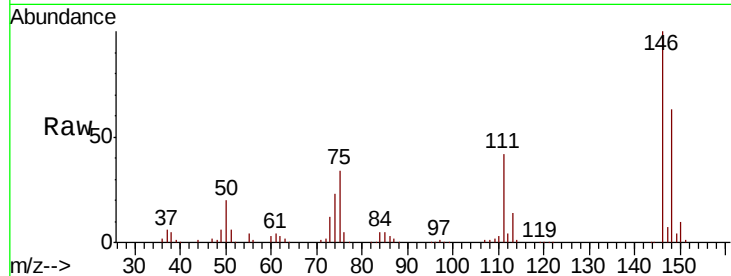
Tot Ion:146 Resp: 129536

Ion Ratio Lower Upper

146 100

111 42.2 28.6 53.0

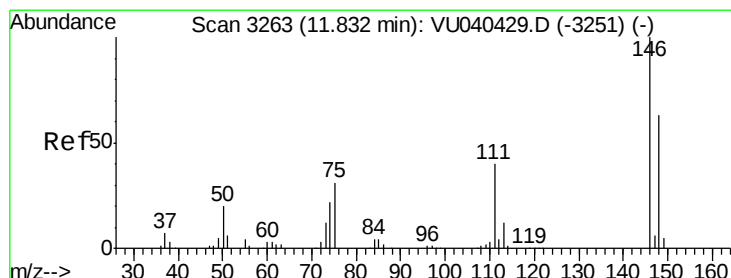
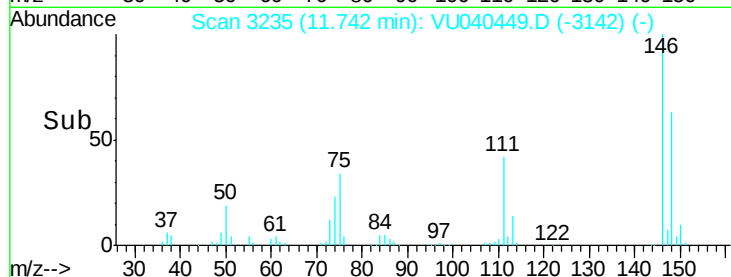
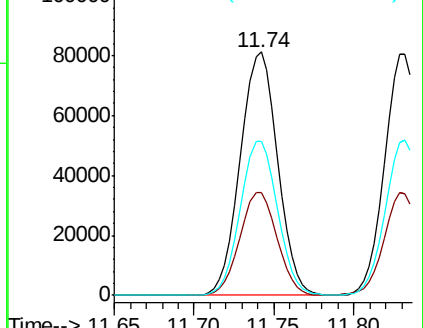
148 63.4 43.4 80.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.963 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. -0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

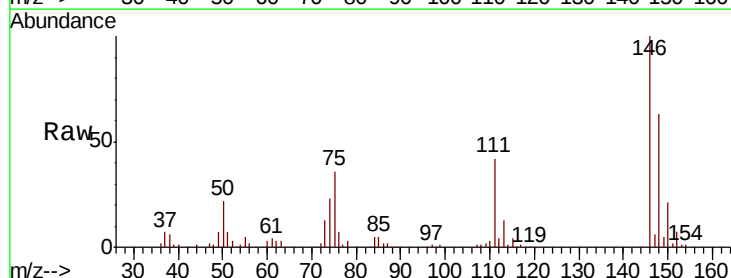
Tgt Ion:146 Resp: 127999

Ion Ratio Lower Upper

146 100

111 42.4 29.2 54.2

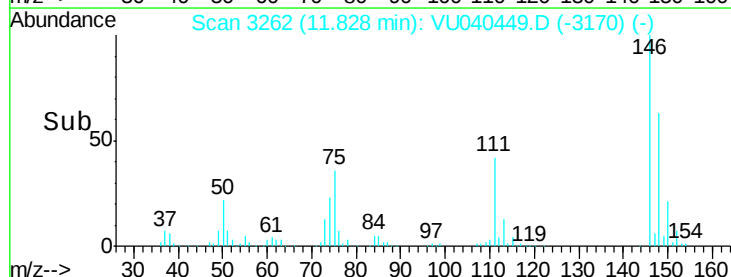
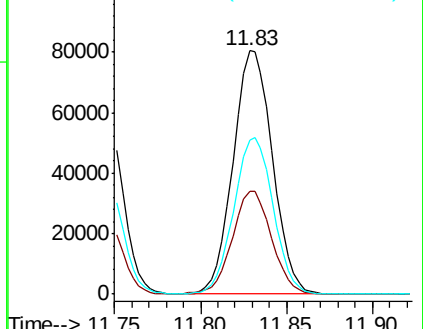
148 63.3 44.4 82.4

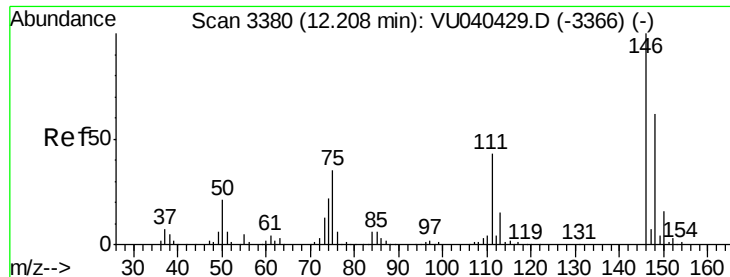


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.055 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

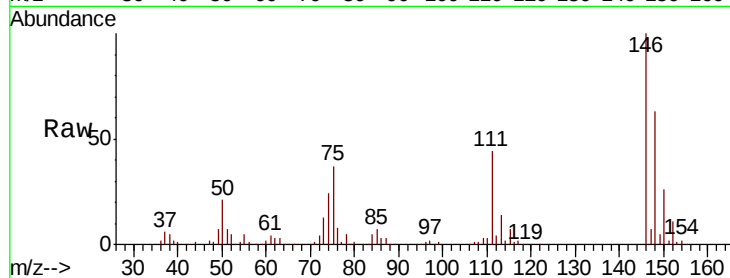
Tot Ion:146 Resp: 121831

Ion Ratio Lower Upper

146 100

111 43.6 35.6 53.4

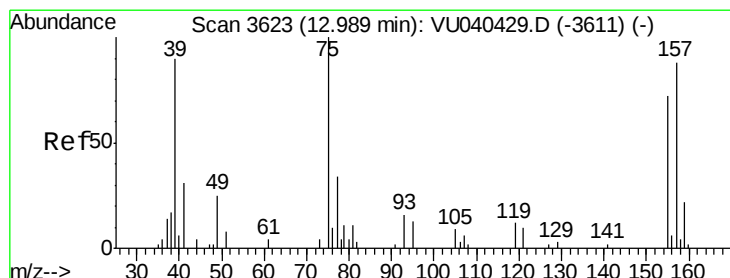
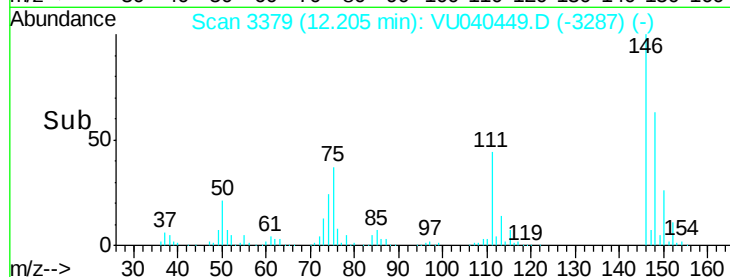
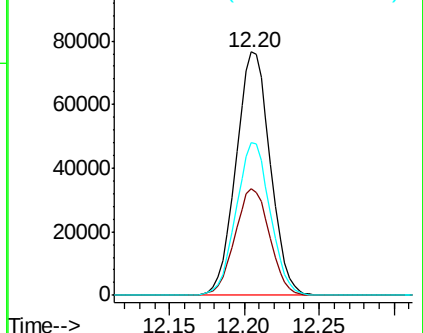
148 62.6 49.8 74.6



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: 4.703 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

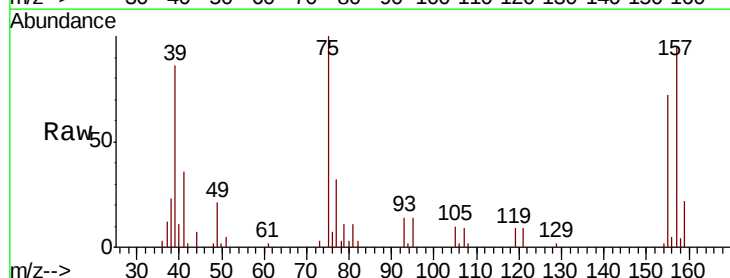
Tgt Ion: 75 Resp: 10217

Ion Ratio Lower Upper

75 100

155 72.0 59.4 89.2

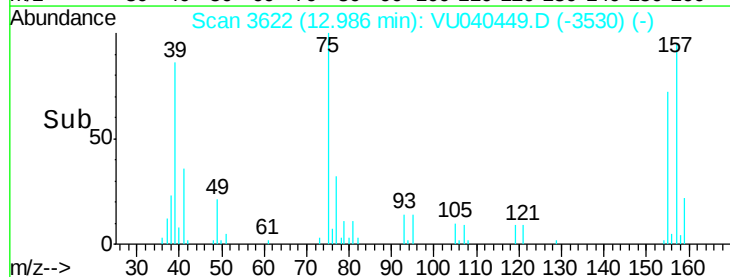
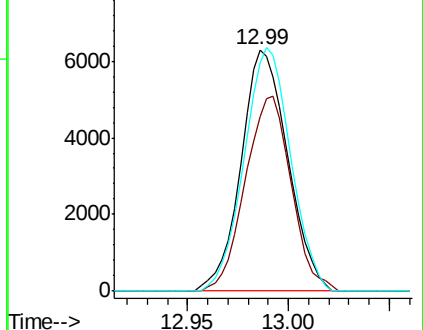
157 94.8 65.0 97.4

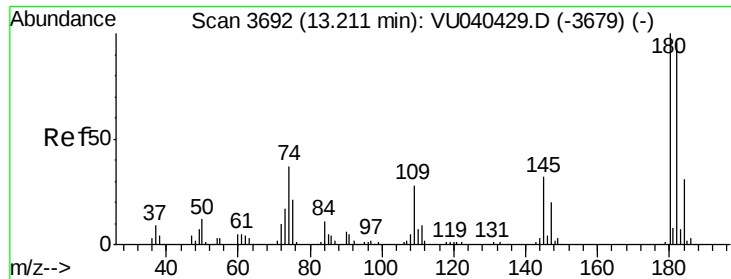


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

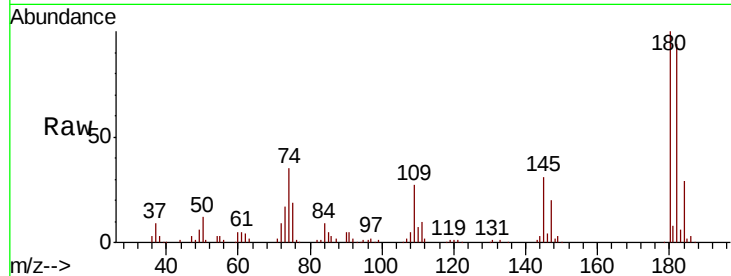




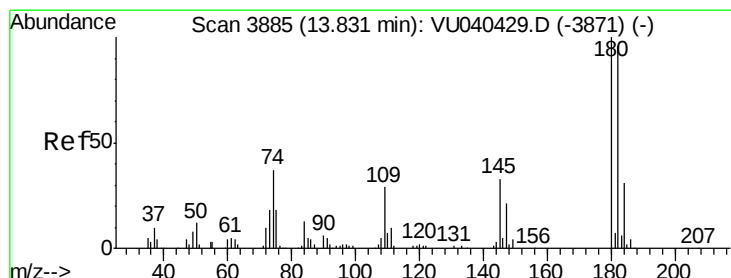
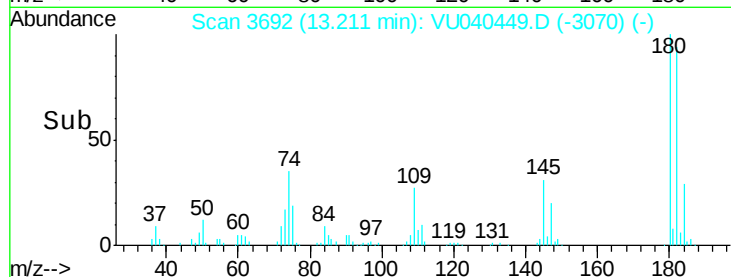
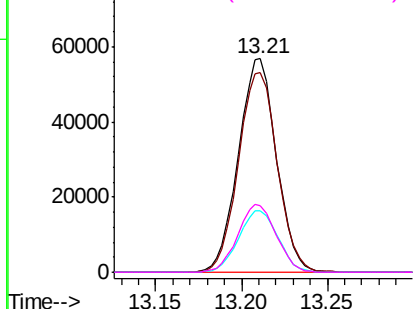
#67
 1,3,5-Trichlorobenzene
 Concen: 4.914 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040449.D
 Acq: 02 Oct 2020 03:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion:180 Resp: 86984
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 184 30.0 24.6 37.0
 145 31.9 25.8 38.8

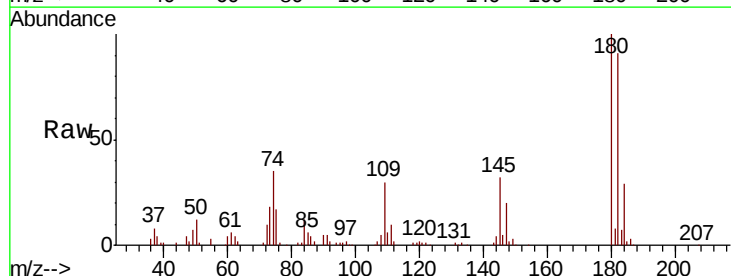


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

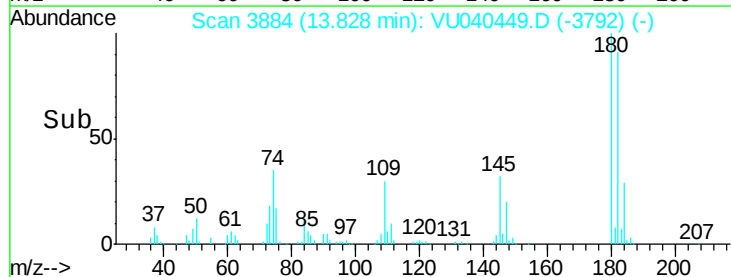
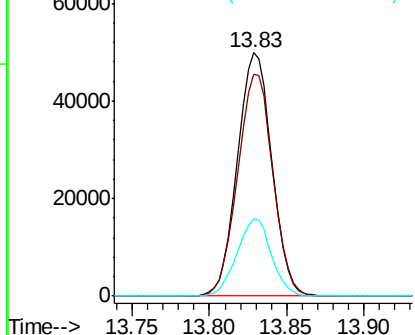


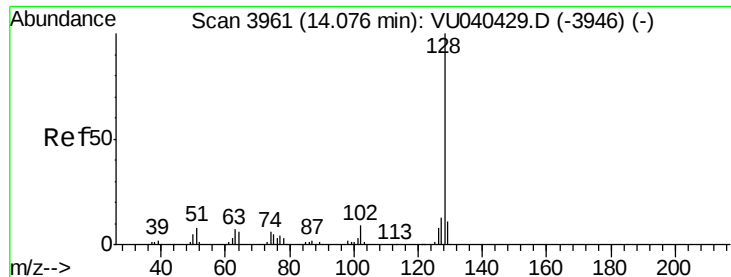
#68
 1,2,4-trichlorobenzene
 Concen: 5.430 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040449.D
 Acq: 02 Oct 2020 03:16

Tgt Ion:180 Resp: 77232
 Ion Ratio Lower Upper
 180 100
 182 93.1 76.6 115.0
 145 31.8 26.3 39.5



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: 5.628 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

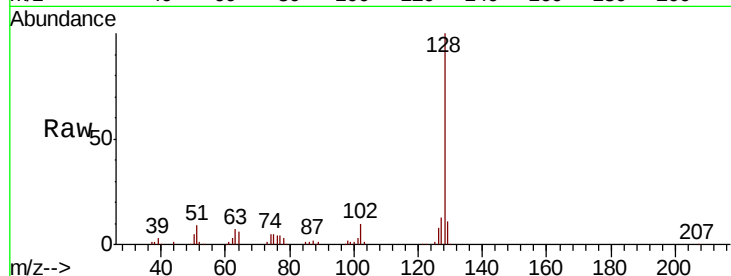
Tot Ion:128 Resp: 136802

Ion Ratio Lower Upper

128 100

129 11.4 8.2 12.4

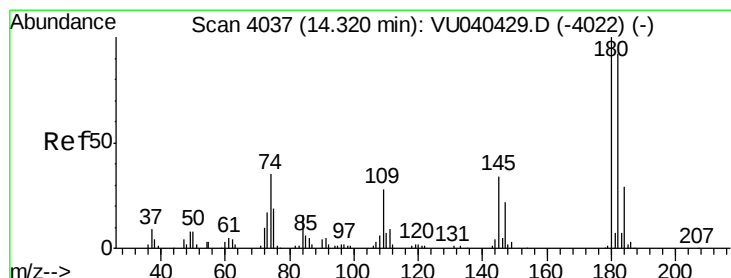
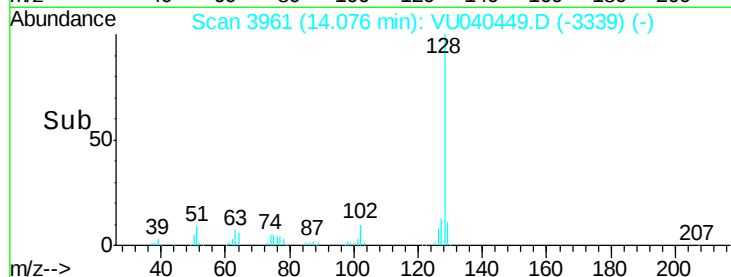
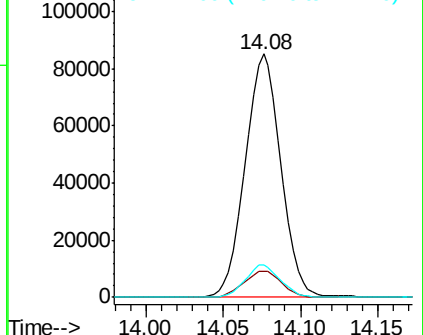
127 13.0 10.2 15.4



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: 5.378 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040449.D

Acq: 02 Oct 2020 03:16

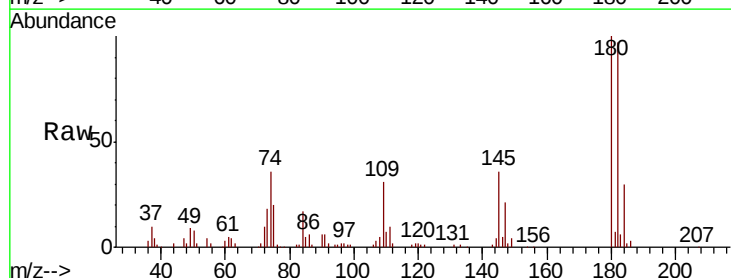
Tgt Ion:180 Resp: 69989

Ion Ratio Lower Upper

180 100

182 95.8 76.6 115.0

145 36.3 27.8 41.6



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

