

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121620\
 Data File : VU041661.D
 Acq On : 16 Dec 2020 11:07
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 04:09:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 17 03:56:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	277703	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	256451	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	126598	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	104191	50.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.40%
7) Chloroethane-d5	1.92	69	89216	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.52%
11) 1,1-Dichloroethene-d2	2.58	63	188695	51.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.72%
21) 2-Butanone-d5	4.64	46	174260	110.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.22%
24) Chloroform-d	5.08	84	191083	52.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.68%
26) 1,2-Dichloroethane-d4	5.72	65	121976	51.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.72%
32) Benzene-d6	5.74	84	400444	53.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.78%
36) 1,2-Dichloropropane-d6	6.70	67	123573	53.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.46%
41) Toluene-d8	7.90	98	361534	51.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.54%
43) trans-1,3-Dichloropropene-	8.18	79	62236	52.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.88%
47) 2-Hexanone-d5	8.64	63	136935	109.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.18%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	176877	50.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.16%
66) 1,2-Dichlorobenzene-d4	12.19	152	135326	51.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	112637	48.667 ug/L	98
3) Chloromethane	1.53	50	99468	47.148 ug/L	96
5) Vinyl chloride	1.61	62	111327	47.362 ug/L	99
6) Bromomethane	1.86	94	88340	50.946 ug/L	100
8) Chloroethane	1.94	64	75070	47.770 ug/L	97
9) Trichlorofluoromethane	2.15	101	168807	49.004 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	94583	50.679 ug/L	99
12) 1,1-Dichloroethene	2.59	96	89018	49.939 ug/L	94
13) Acetone	2.65	43	122559	103.790 ug/L	99
14) Carbon disulfide	2.81	76	289511	50.624 ug/L	100
15) Methyl Acetate	2.96	43	114126	50.765 ug/L	100
16) Methylene chloride	3.06	84	101679	49.899 ug/L	98
17) trans-1,2-Dichloroethene	3.37	96	93274	50.472 ug/L	96
18) Methyl tert-butyl Ether	3.38	73	290511	50.649 ug/L	99
19) 1,1-Dichloroethane	3.89	63	167961	49.756 ug/L	99
20) cis-1,2-Dichloroethene	4.68	96	107054	52.891 ug/L	98
22) 2-Butanone	4.72	43	175842	103.495 ug/L	96

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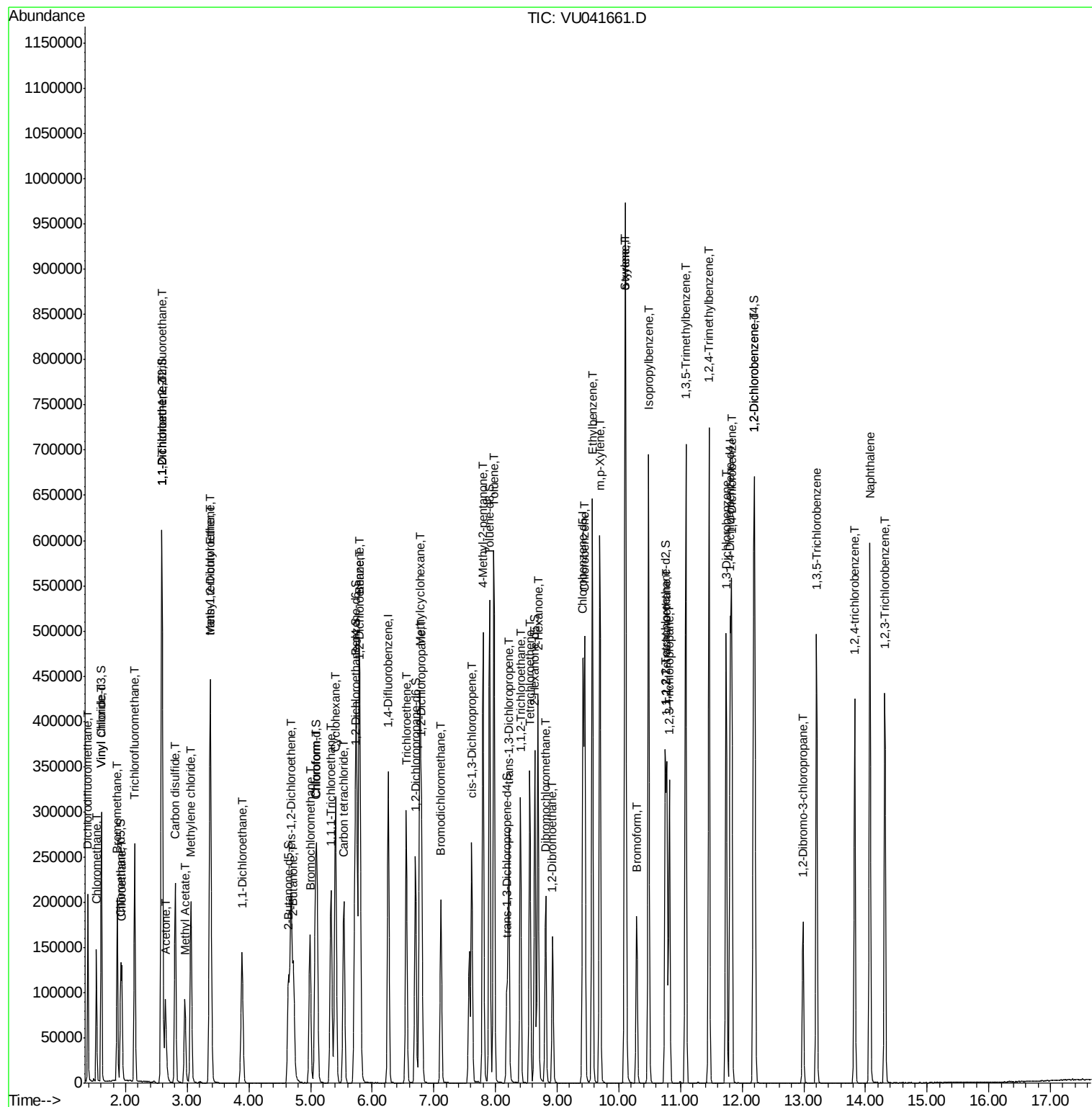
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	56582	52.130	ug/L	96
25) Chloroform	5.11	83	178511	50.160	ug/L	98
27) 1,2-Dichloroethane	5.81	62	139649	50.287	ug/L	98
29) Cyclohexane	5.40	56	164436	55.751	ug/L	96
30) 1,1,1-Trichloroethane	5.33	97	158346	49.751	ug/L	99
31) Carbon tetrachloride	5.54	117	138967	50.040	ug/L	99
33) Benzene	5.79	78	416758	51.402	ug/L	100
34) Trichloroethene	6.55	95	104554	49.771	ug/L	96
35) Methylcyclohexane	6.77	83	171450	51.477	ug/L	96
37) 1,2-Dichloropropane	6.80	63	109030	53.532	ug/L	99
38) Bromodichloromethane	7.11	83	131843	47.811	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	162903	50.185	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	308822	103.267	ug/L	99
42) Toluene	7.97	91	425241	49.673	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	158336	50.331	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	97602	47.367	ug/L	99
46) Tetrachloroethene	8.56	164	78905	48.396	ug/L	96
48) 2-Hexanone	8.69	43	254518	104.748	ug/L	99
49) Dibromochloromethane	8.81	129	108584	48.666	ug/L	96
50) 1,2-Dibromoethane	8.93	107	108005	50.212	ug/L	99
51) Chlorobenzene	9.45	112	265872	48.624	ug/L	100
52) Ethylbenzene	9.57	91	459300	50.976	ug/L	99
53) m,p-Xylene	9.69	106	177896	51.383	ug/L	96
54) o-xylene	10.10	106	171773	50.821	ug/L	93
55) Styrene	10.11	104	298405	51.905	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	172283	48.635	ug/L	99
59) Bromoform	10.29	173	85475	50.669	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	143782	49.627	ug/L	99
61) Isopropylbenzene	10.48	105	459960	52.969	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	385504	53.408	ug/L	100
63) 1,2,4-Trimethylbenzene	11.46	105	393435	53.801	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	207472	49.885	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	211598	50.468	ug/L	97
67) 1,2-Dichlorobenzene	12.20	146	211120	49.229	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.99	75	47577	52.589	ug/L	97
69) 1,3,5-Trichlorobenzene	13.21	180	156258	52.224	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	132224	55.059	ug/L	100
71) Naphthalene	14.07	128	482143	61.841	ug/L	99
72) 1,2,3-Trichlorobenzene	14.31	180	133515	55.088	ug/L	98

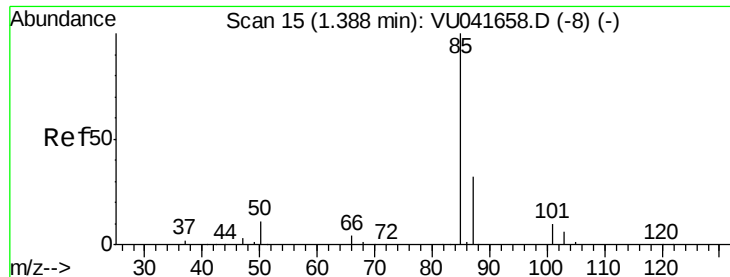
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.667 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

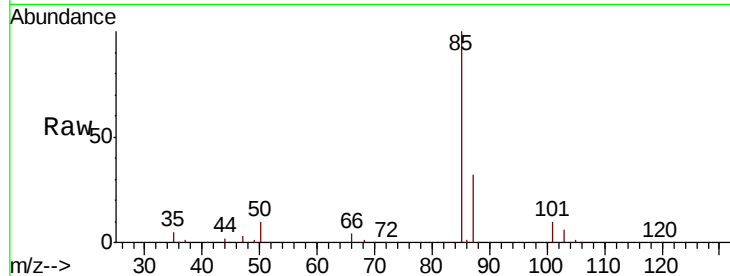
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 112637

Ion Ratio Lower Upper

85 100

87 31.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU041661.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU041661.D (-1) (-)

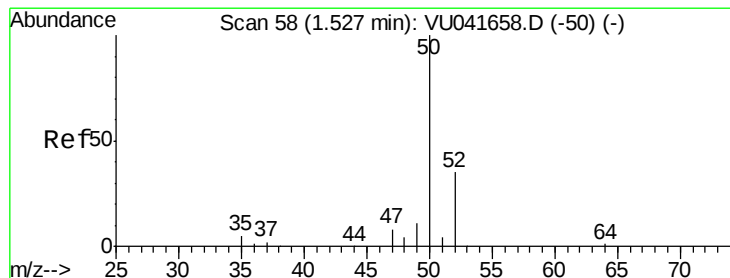
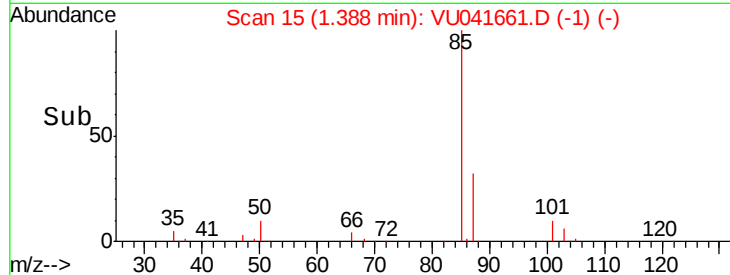
1.39

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.148 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041661.D

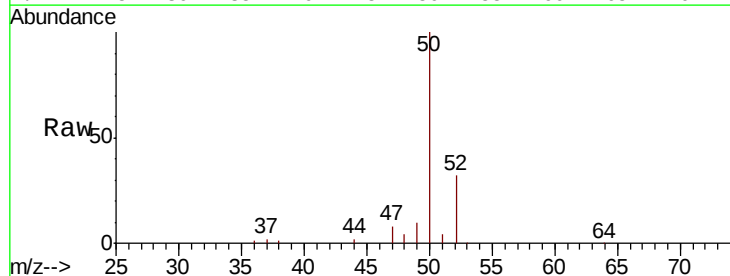
Acq: 16 Dec 2020 11:07

Tgt Ion: 50 Resp: 99468

Ion Ratio Lower Upper

50 100

52 32.0 24.1 44.8



Abundance Ion 50.00 (49.70 to 50.70): VU041661.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU041661.D (-1) (-)

1.53

100000

80000

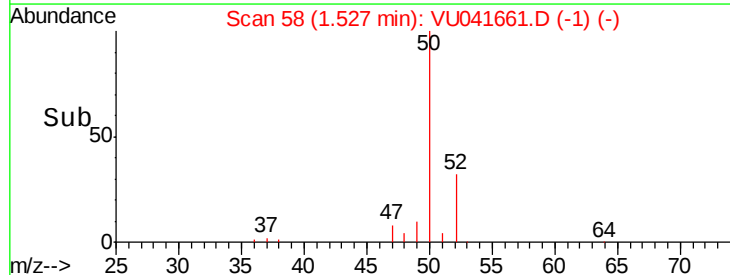
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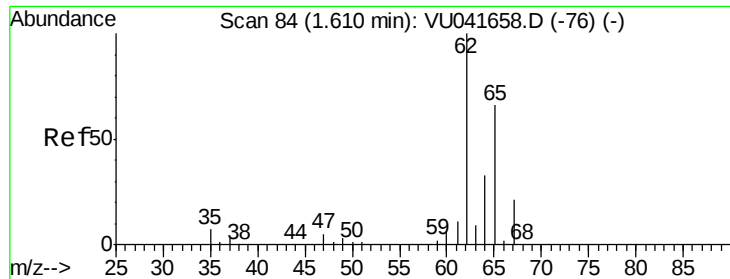
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 47.362 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

Instrument :

MSVOA_U

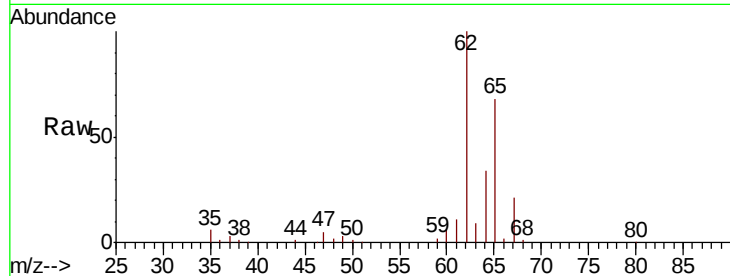
ClientSampled :

Tot Ion: 62 Resp: 111327

Ion Ratio Lower Upper

62 100

64 33.5 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

120000

100000

80000

60000

40000

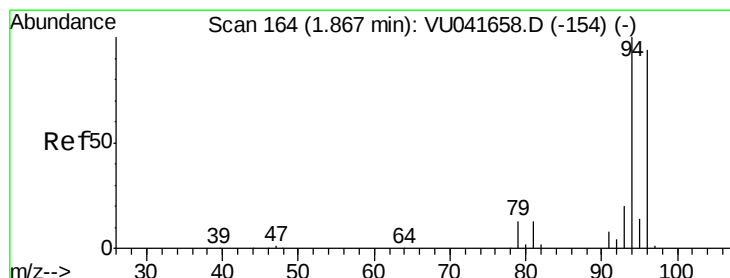
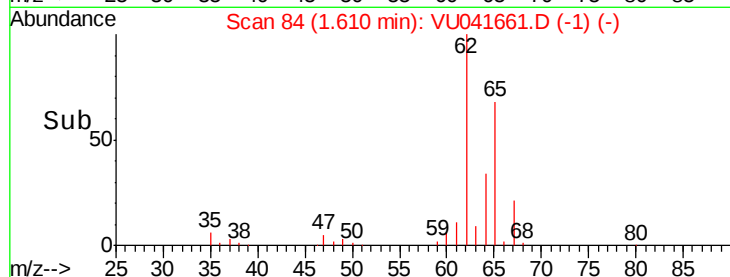
20000

0

1.61

1.55 1.60 1.65

Time-->



#6

Bromomethane

Concen: 50.946 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU041661.D

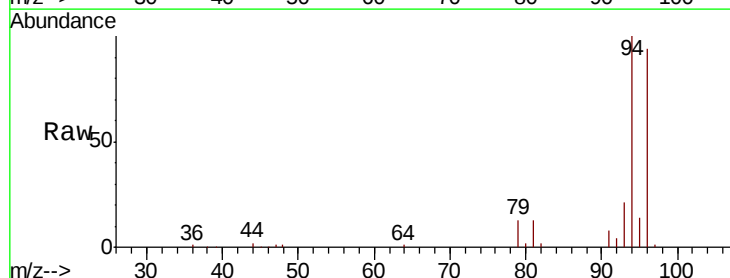
Acq: 16 Dec 2020 11:07

Tgt Ion: 94 Resp: 88340

Ion Ratio Lower Upper

94 100

96 94.3 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

80000

60000

40000

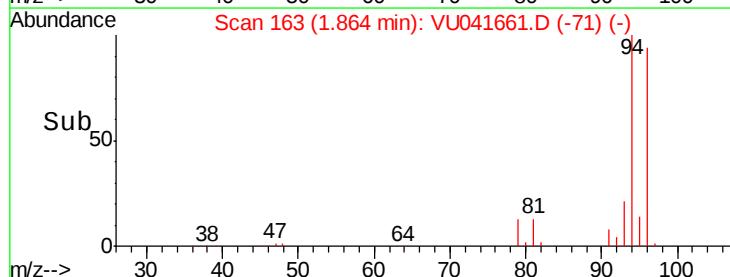
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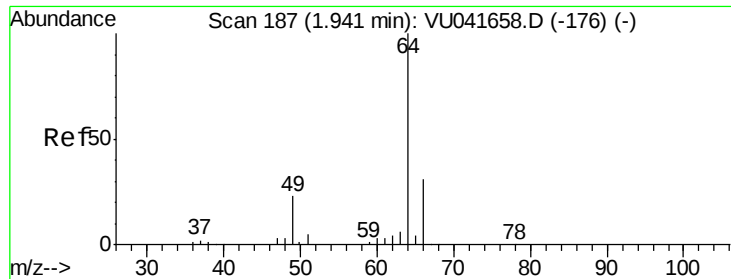
0

1.86

1.85 1.90

Time-->

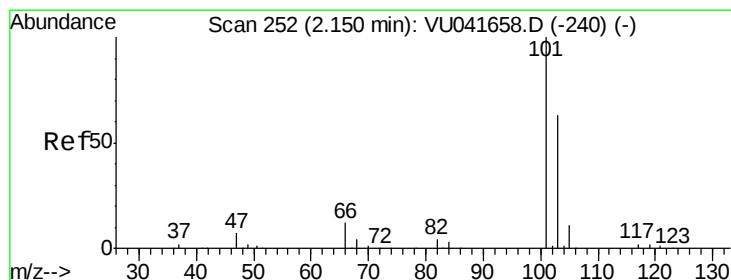
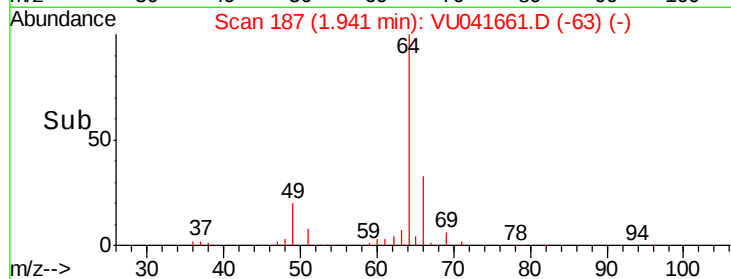
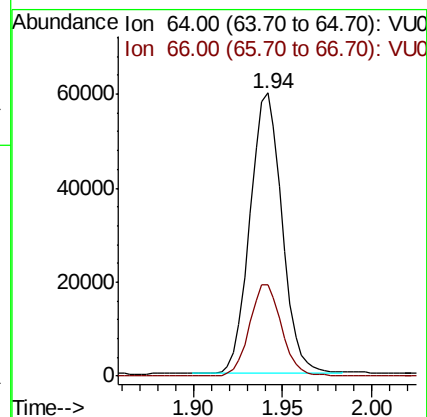
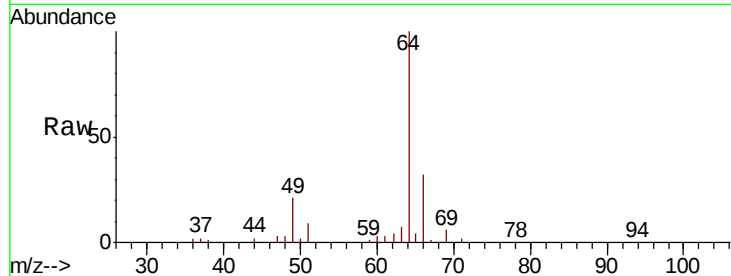




#8
Chloroethane
Concen: 47.770 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

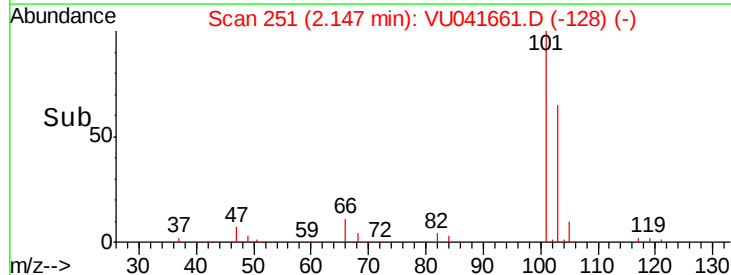
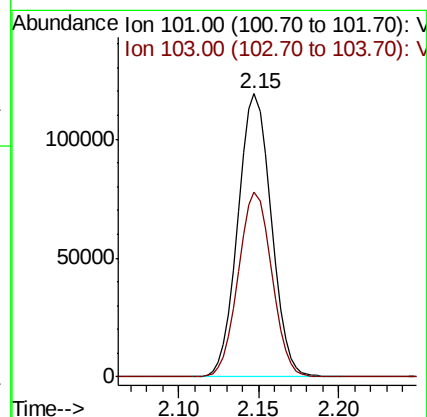
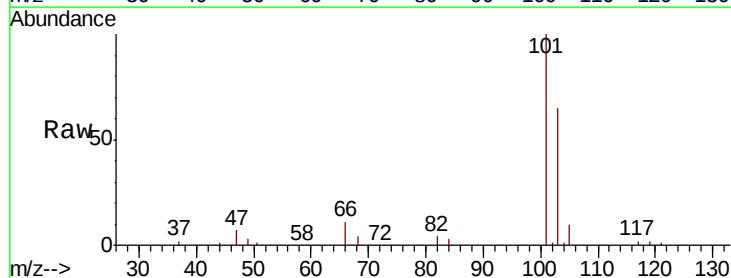
Instrument :
MSVOA_U
ClientSampleId :

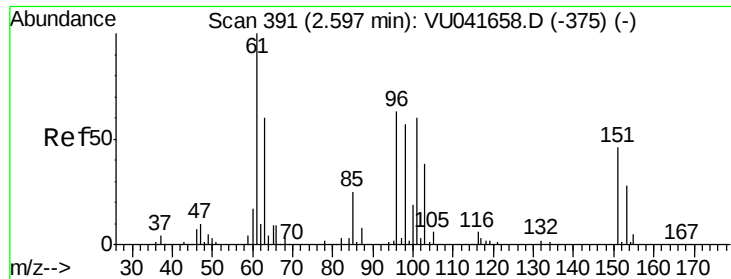
Tot Ion: 64 Resp: 75070
Ion Ratio Lower Upper
64 100
66 32.4 21.6 40.0



#9
Trichlorofluoromethane
Concen: 49.004 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

Tgt Ion:101 Resp: 168807
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.0





#10

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

Concen: 50.679 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

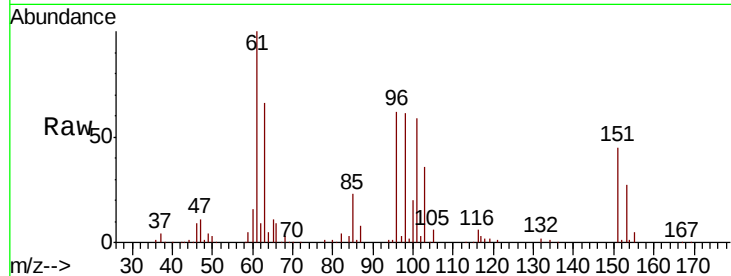
Tot Ion:101 Resp: 94583

Ion Ratio Lower Upper

101 100

85 40.8 32.7 49.1

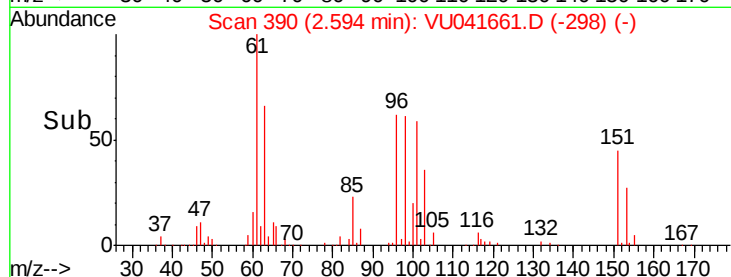
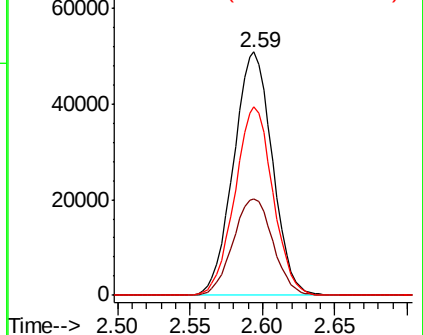
151 76.1 60.4 90.6



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: 49.939 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

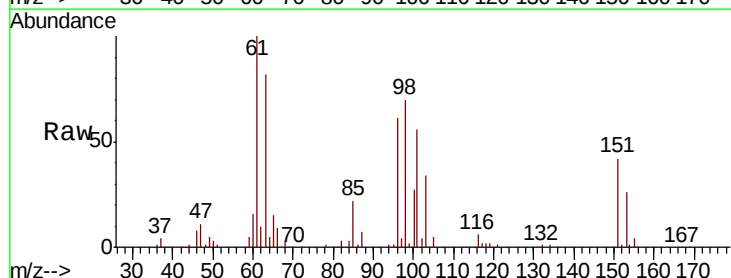
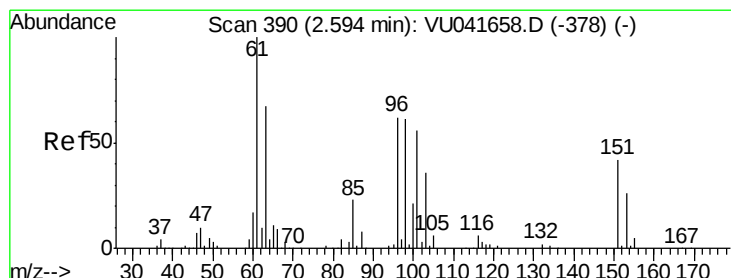
Tgt Ion: 96 Resp: 89018

Ion Ratio Lower Upper

96 100

61 164.3 114.3 212.3

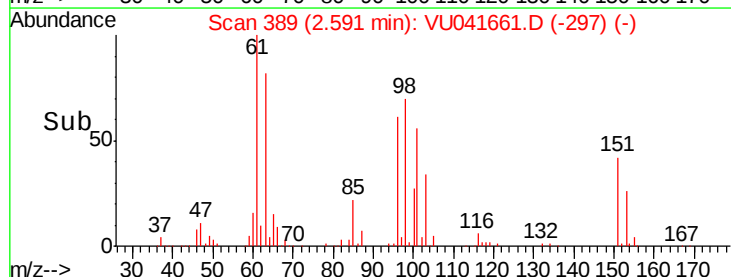
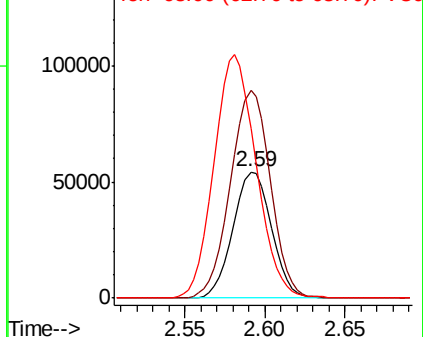
63 134.1 83.0 154.2

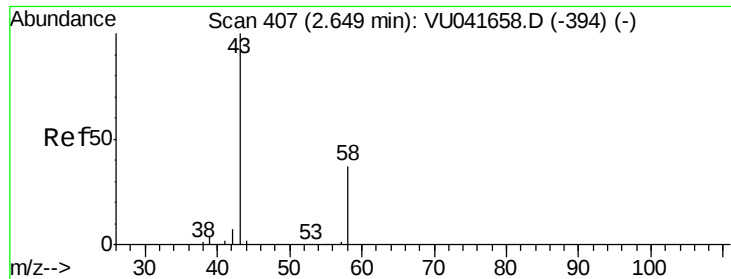


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 103.790 ug/L

RT: 2.65 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

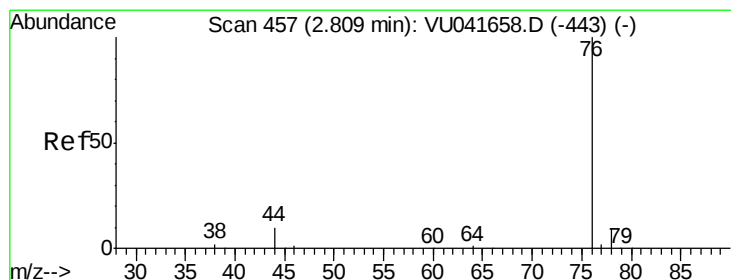
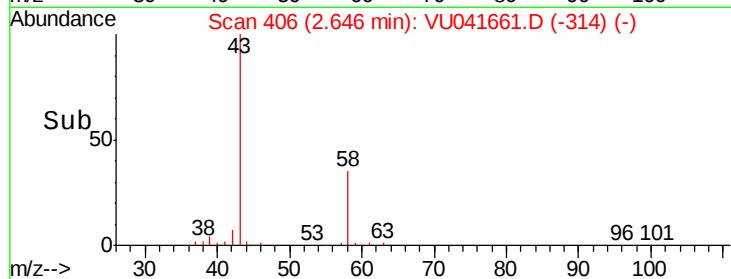
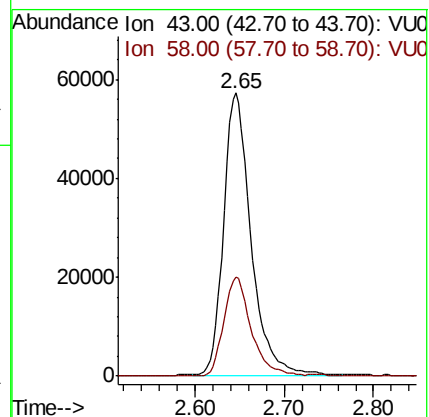
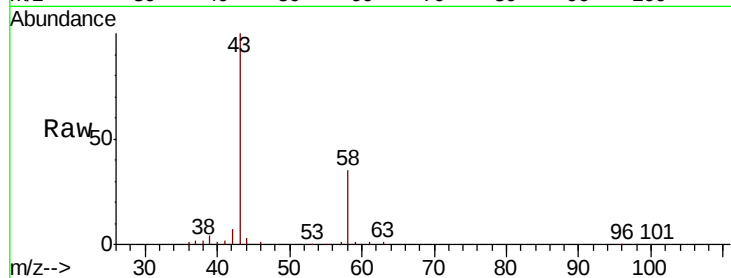
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 122559

Ion Ratio Lower Upper

43 100

58 34.8 0.0 70.8



#14

Carbon disulfide

Concen: 50.624 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041661.D

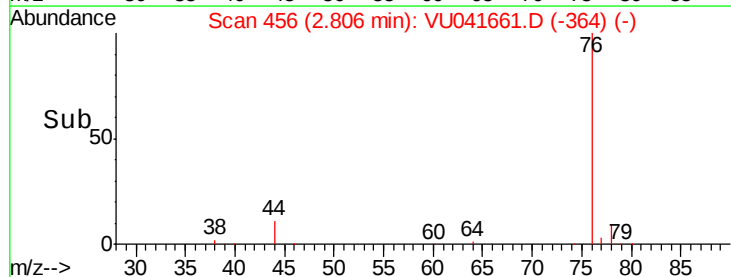
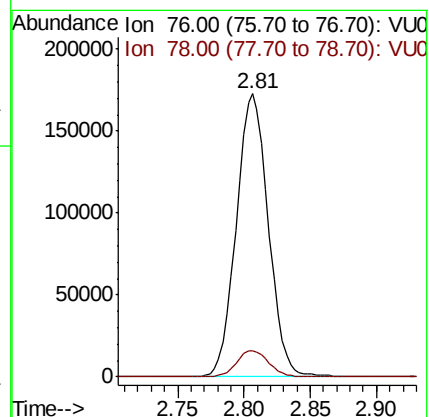
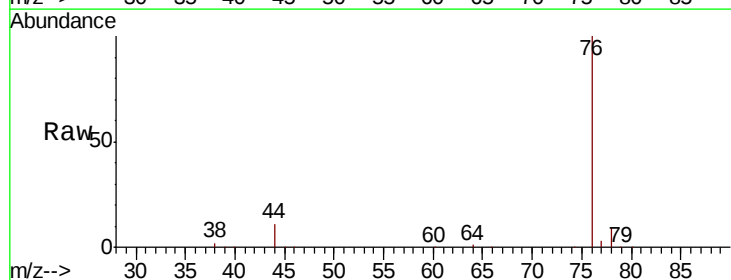
Acq: 16 Dec 2020 11:07

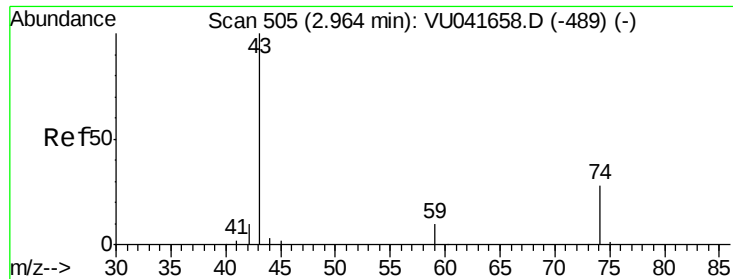
Tgt Ion: 76 Resp: 289511

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

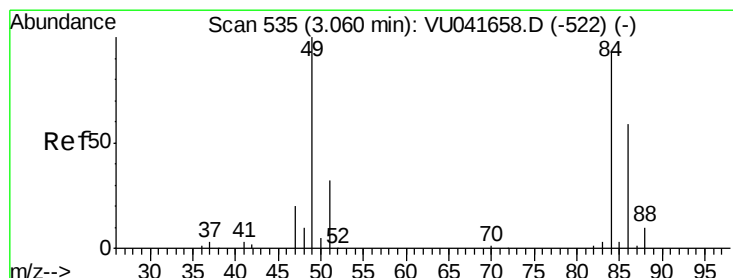
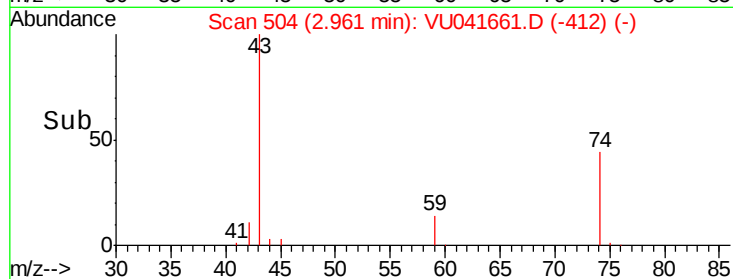
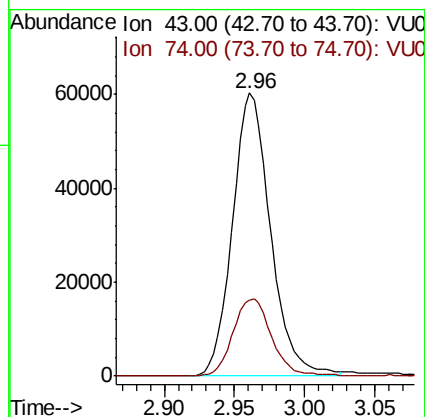
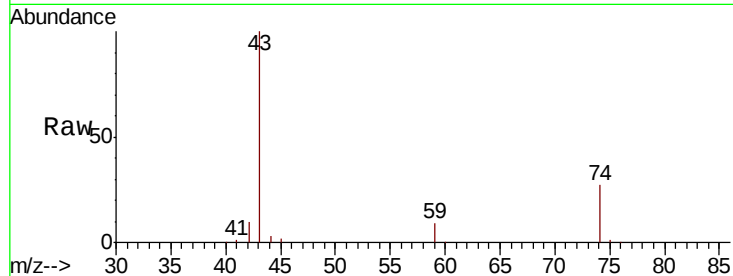




#15
Methvl Acetate
Concen: 50.765 ug/L
RT: 2.96 min Scan# 504
Delta R.T. -0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

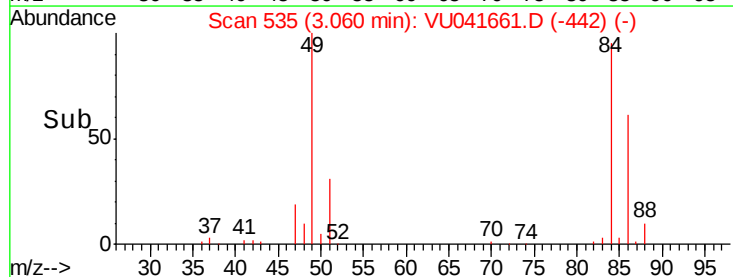
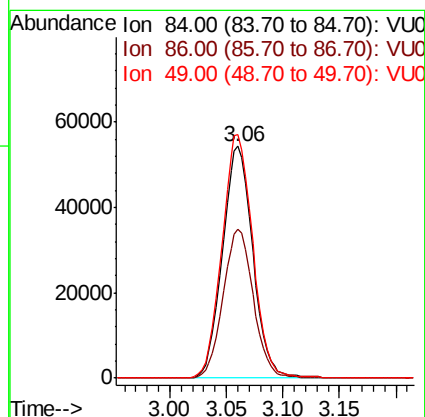
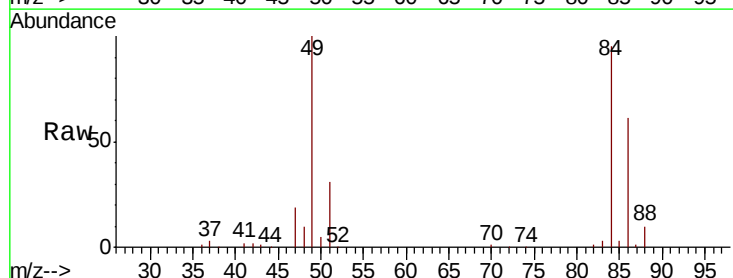
Instrument :
MSVOA_U
ClientSampleId :

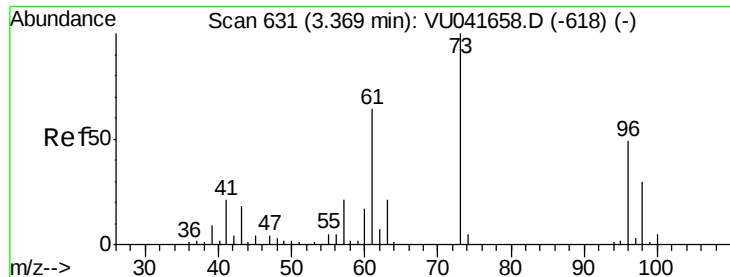
Tot Ion: 43 Resp: 114126
Ion Ratio Lower Upper
43 100
74 27.5 22.1 33.1



#16
Methylene chloride
Concen: 49.899 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

Tgt Ion: 84 Resp: 101679
Ion Ratio Lower Upper
84 100
86 64.5 44.0 81.6
49 105.1 75.0 139.4

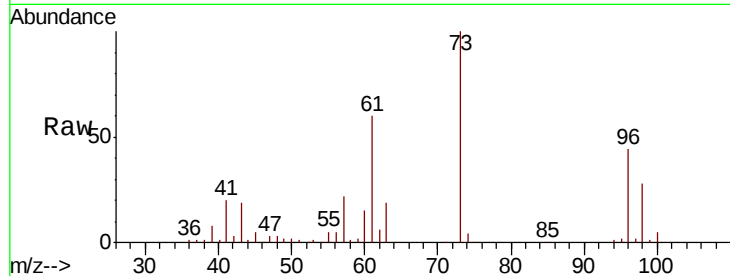




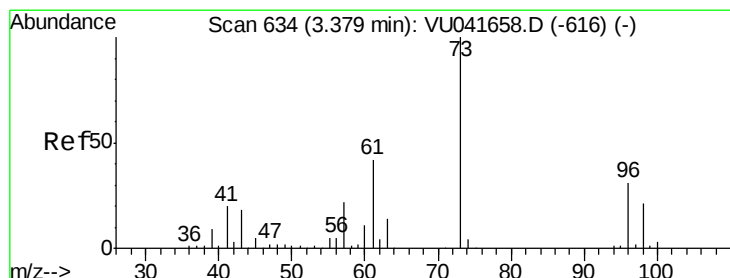
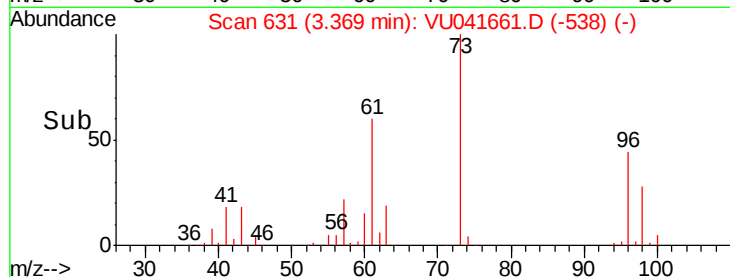
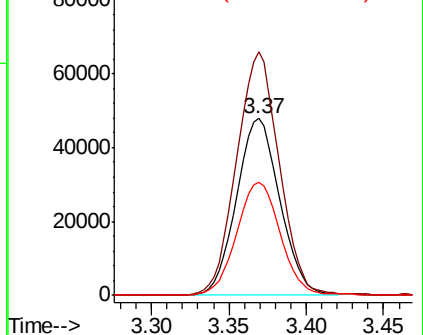
#17
trans-1,2-Dichloroethene
Concen: 50.472 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 93274
Ion Ratio Lower Upper
96 100
61 137.8 92.6 172.0
98 63.7 43.5 80.9

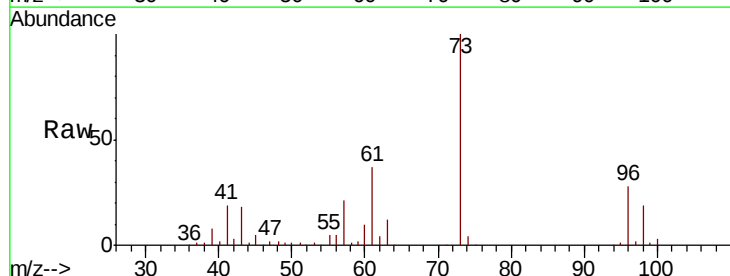


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

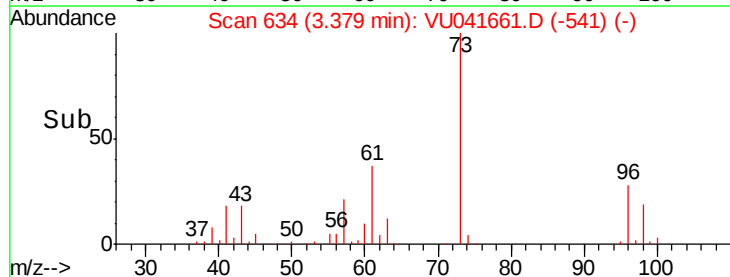
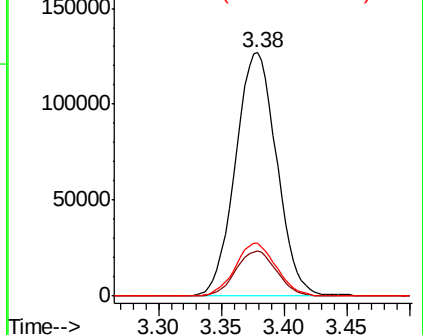


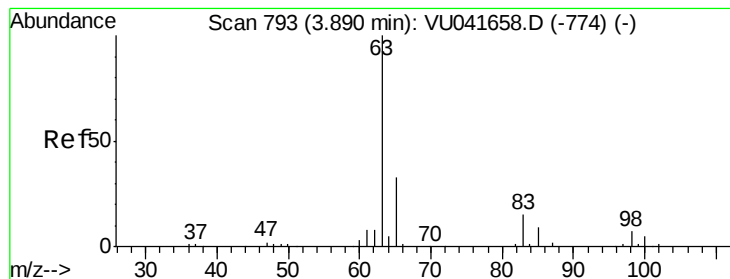
#18
Methyl tert-butyl Ether
Concen: 50.649 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

Tgt Ion: 73 Resp: 290511
Ion Ratio Lower Upper
73 100
43 18.6 14.8 22.2
57 21.7 17.0 25.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 49.756 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

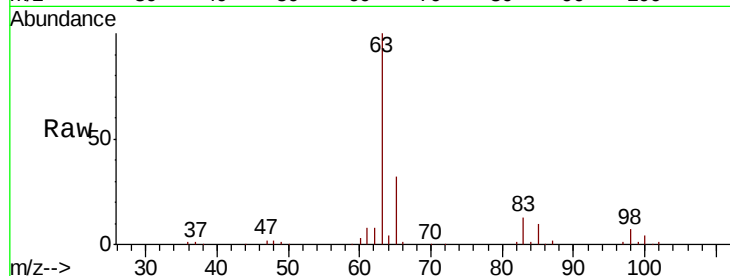
Tot Ion: 63 Resp: 167961

Ion Ratio Lower Upper

63 100

65 32.4 22.9 42.5

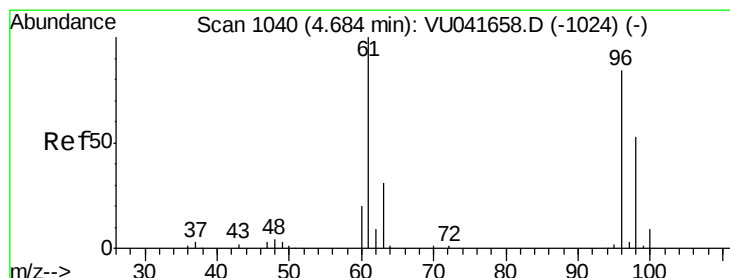
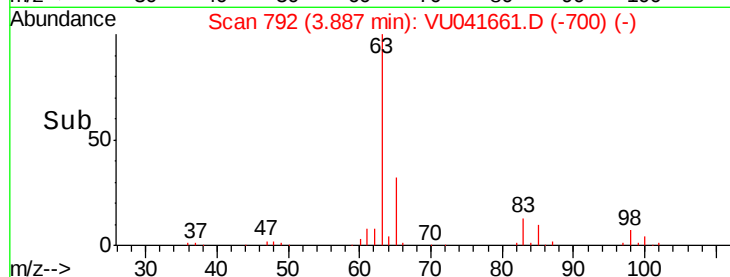
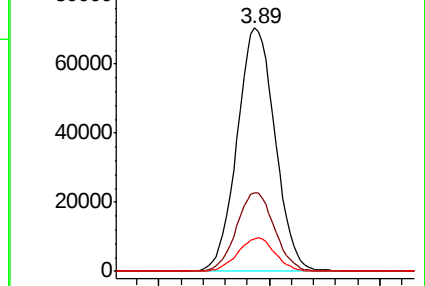
83 13.4 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VU041658.D (-774) (-)

Ion 65.00 (64.70 to 65.70): VU041658.D (-774) (-)

Ion 83.00 (82.70 to 83.70): VU041658.D (-774) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.891 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

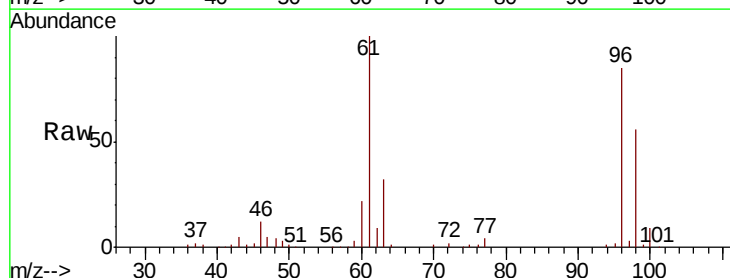
Tgt Ion: 96 Resp: 107054

Ion Ratio Lower Upper

96 100

61 117.0 83.7 155.5

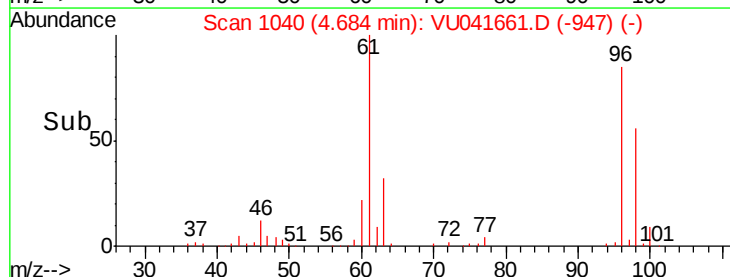
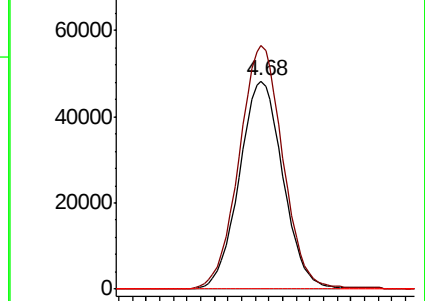
68 0.0 0.0 0.0

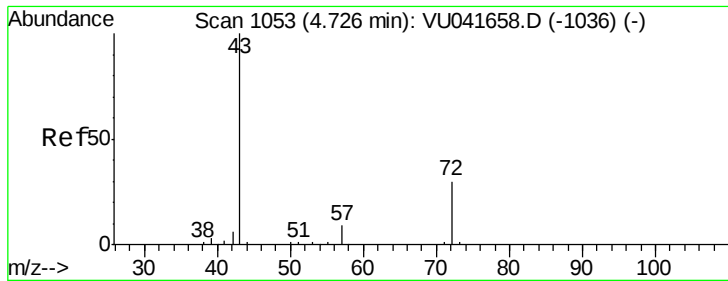


Abundance Ion 96.00 (95.70 to 96.70): VU041658.D (-1024) (-)

Ion 61.00 (60.70 to 61.70): VU041658.D (-1024) (-)

Ion 68.00 (67.70 to 68.70): VU041658.D (-1024) (-)





#22

2-Butanone

Concen: 103.495 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

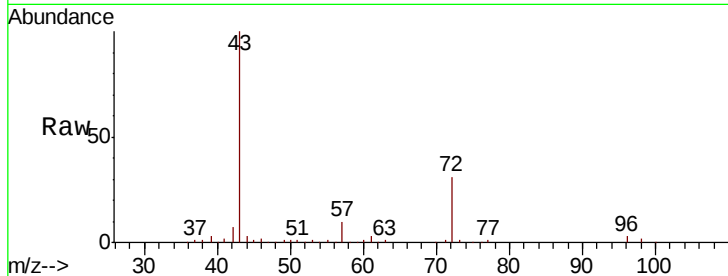
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 175842

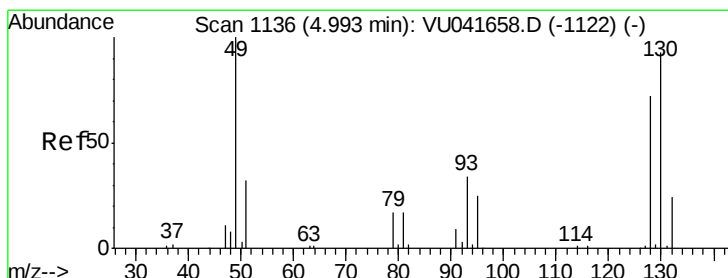
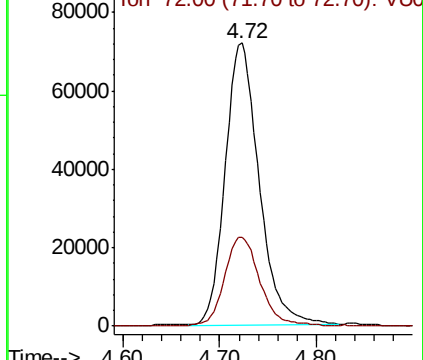
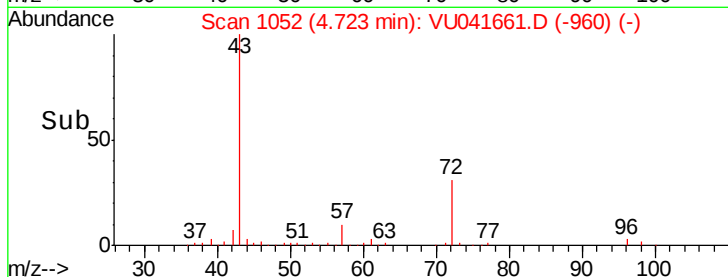
Ion Ratio Lower Upper

43 100

72 33.1 15.6 46.8



Abundance Ion 43.00 (42.70 to 43.70): VU041661.D (-960) (-)



#23

Bromochloromethane

Concen: 52.130 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

Tgt Ion:128 Resp: 56582

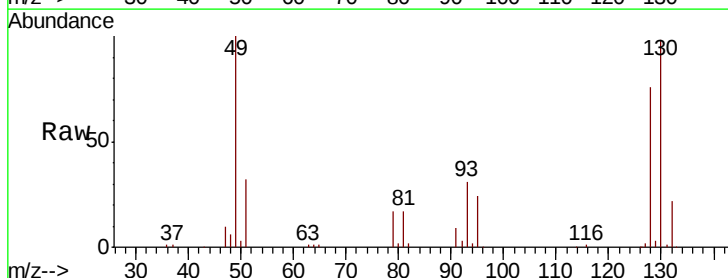
Ion Ratio Lower Upper

128 100

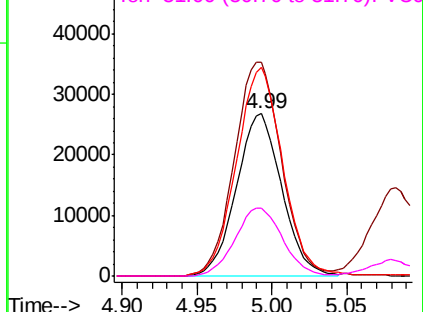
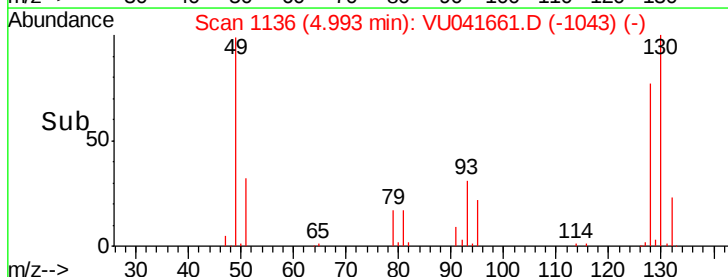
49 131.9 97.9 181.9

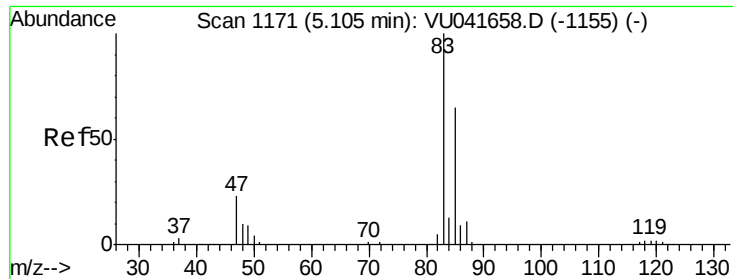
130 129.0 90.9 168.9

51 41.6 35.9 53.9



Abundance Ion 128.00 (127.70 to 128.70): VU041661.D (-1043) (-)

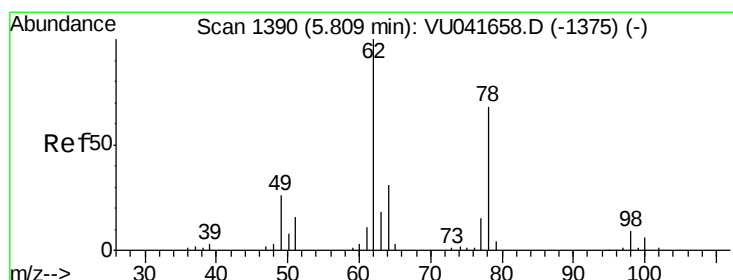
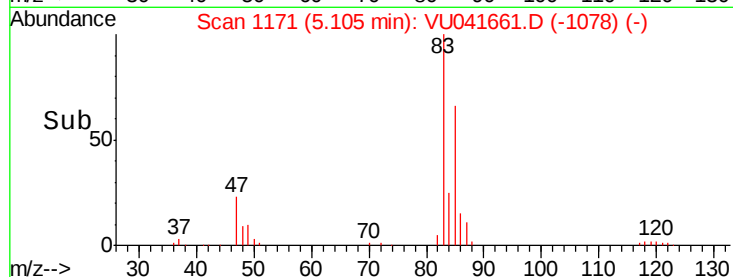
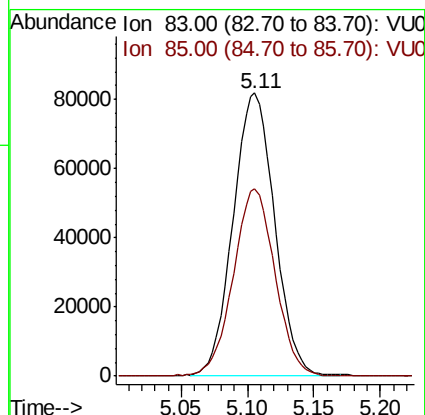
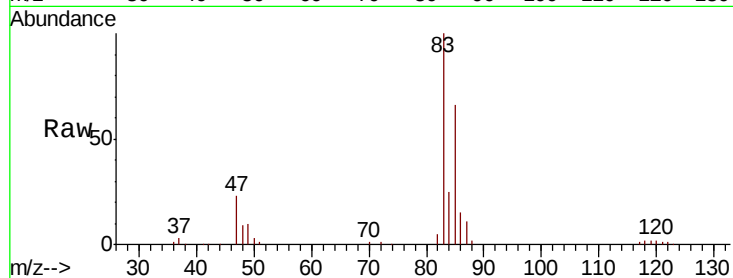




#25
Chloroform
Concen: 50.160 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

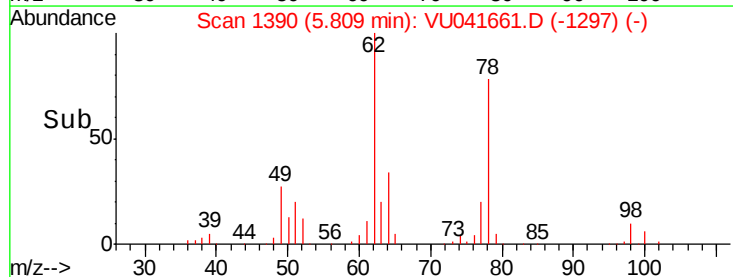
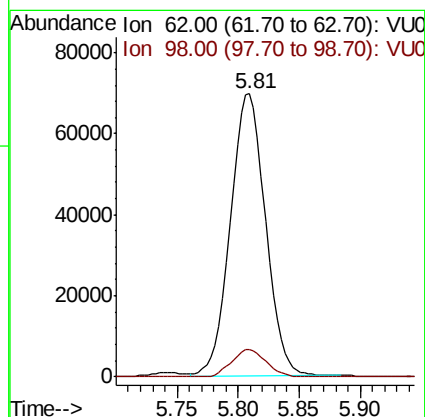
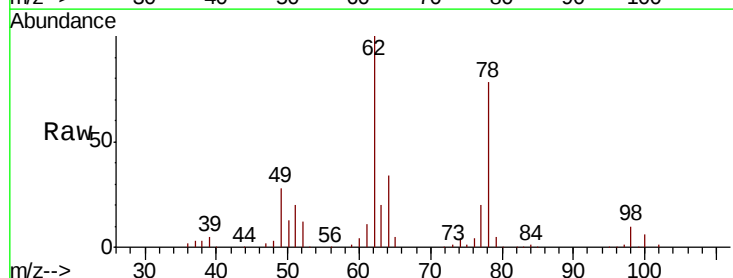
Instrument :
MSVOA_U
ClientSampleId :

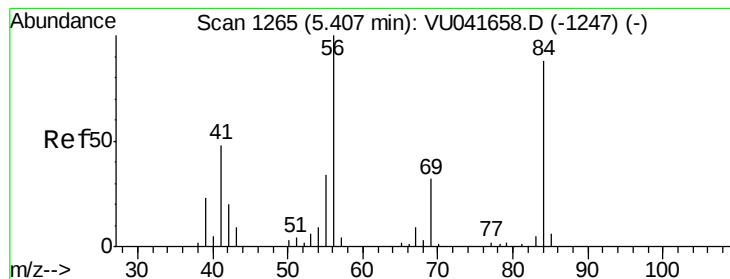
Tot Ion: 83 Resp: 178511
Ion Ratio Lower Upper
83 100
85 66.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 50.287 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

Tgt Ion: 62 Resp: 139649
Ion Ratio Lower Upper
62 100
98 9.8 7.1 10.7





#29

Cyclohexane

Concen: 55.751 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

Instrument :

MSVOA_U

ClientSampleId :

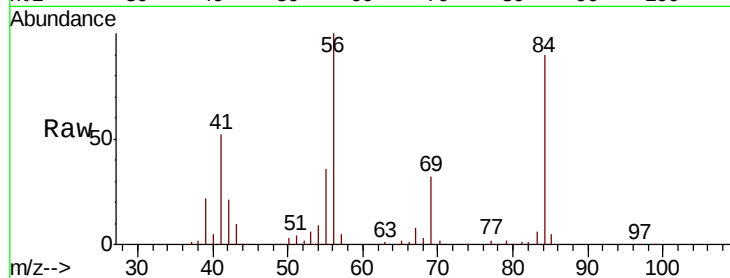
Tot Ion: 56 Resp: 164436

Ion Ratio Lower Upper

56 100

69 30.5 25.0 37.6

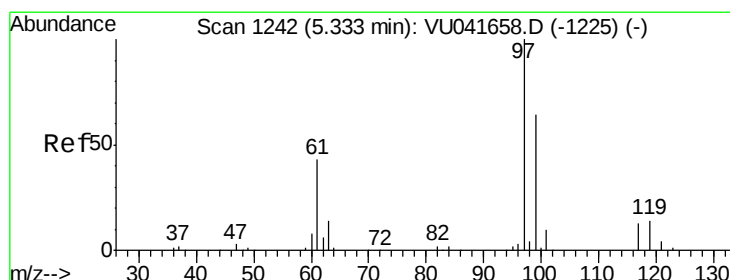
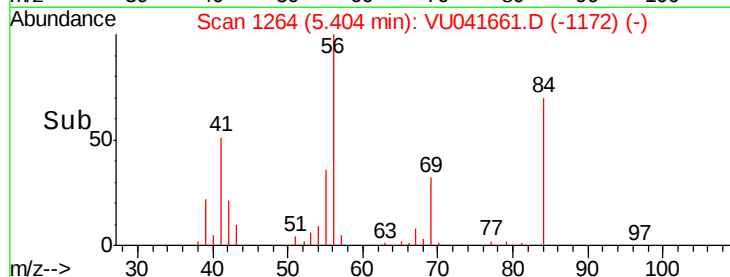
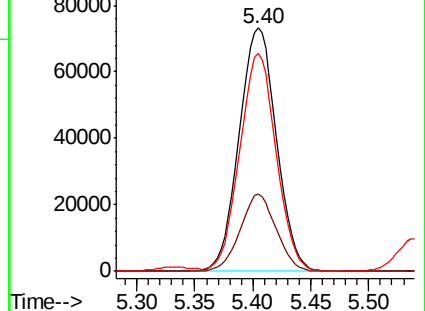
84 86.4 72.6 109.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 49.751 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

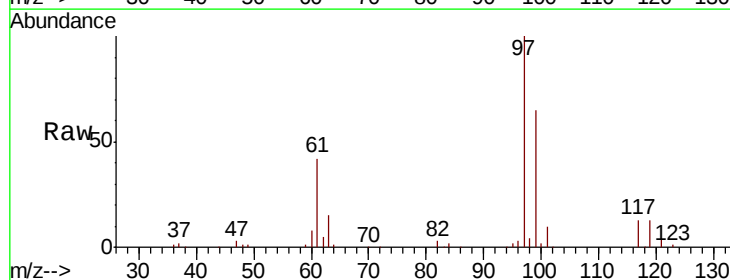
Tgt Ion: 97 Resp: 158346

Ion Ratio Lower Upper

97 100

99 64.0 50.9 76.3

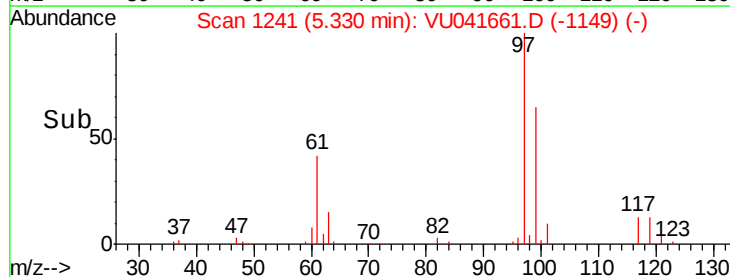
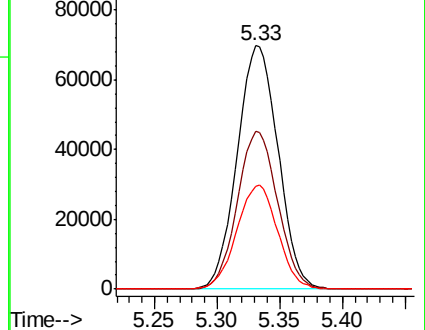
61 42.9 33.4 50.0

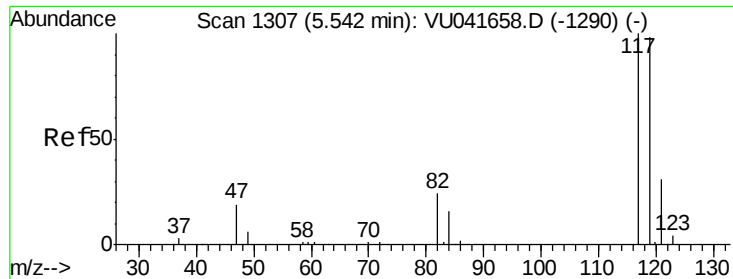


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 50.040 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

Instrument :

MSVOA_U

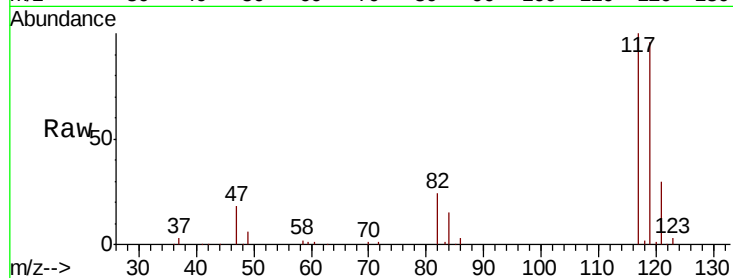
ClientSampleId :

Tot Ion:117 Resp: 138967

Ion Ratio Lower Upper

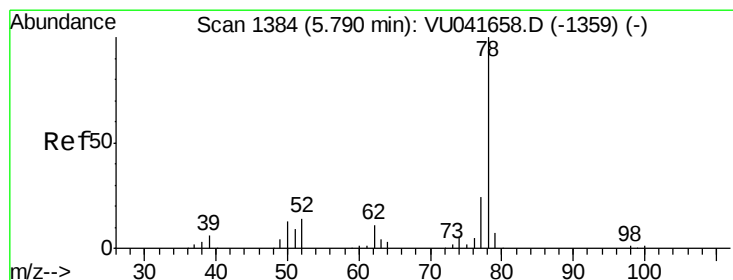
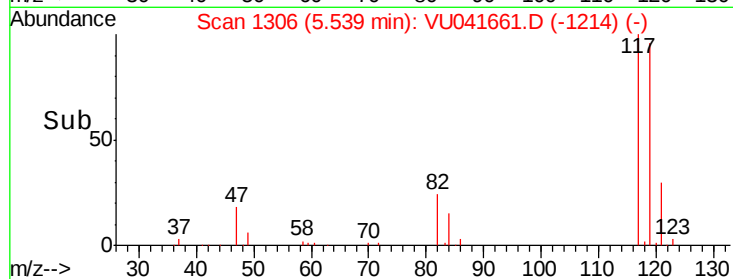
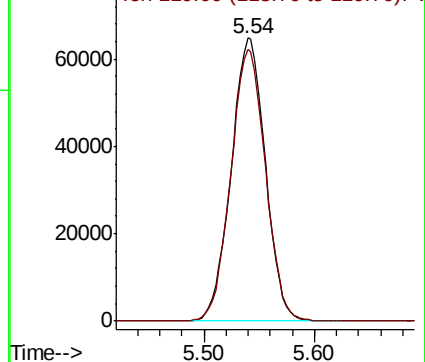
117 100

119 97.4 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.402 ug/L

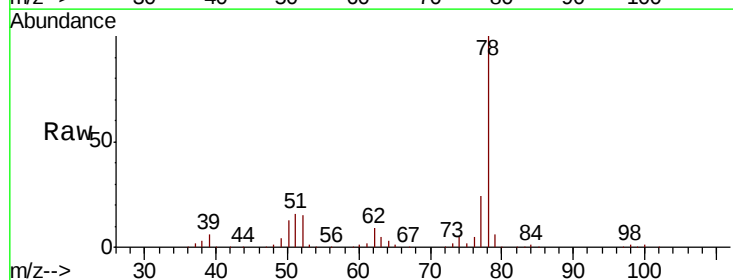
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

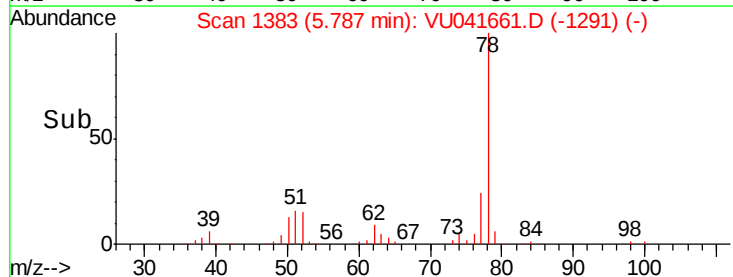
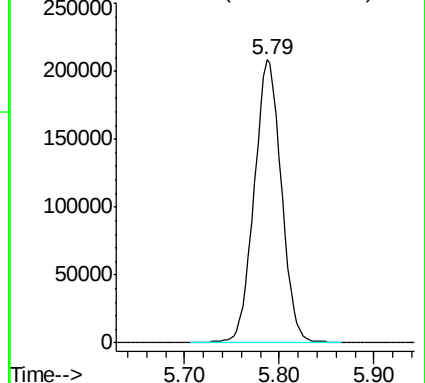
Lab File: VU041661.D

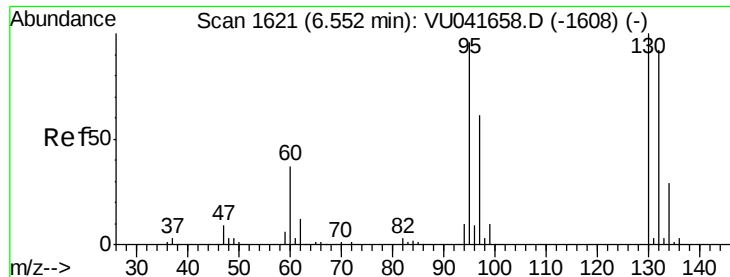
Acq: 16 Dec 2020 11:07

Tgt Ion: 78 Resp: 416758



Abundance Ion 78.00 (77.70 to 78.70): VU0

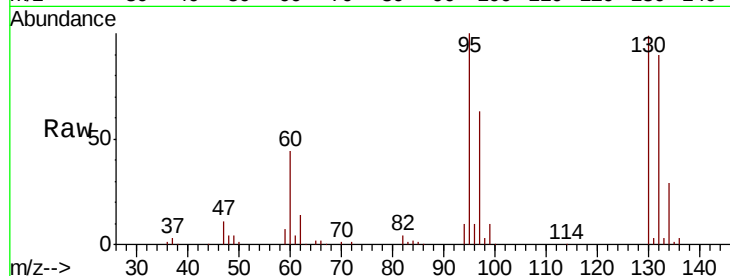




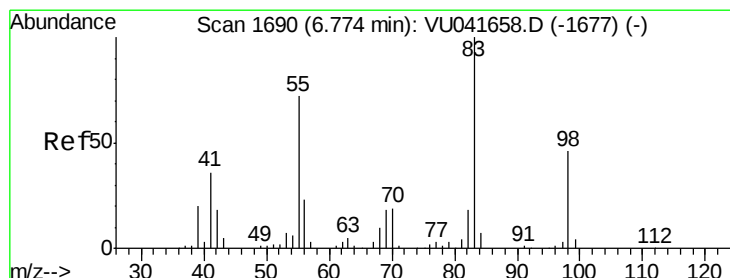
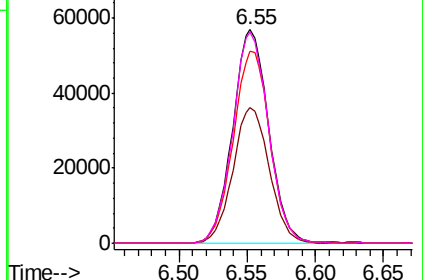
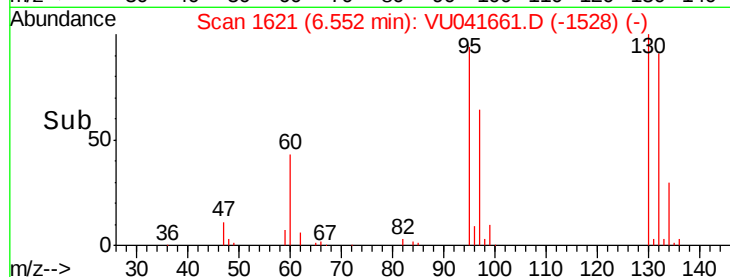
#34
 Trichloroethene
 Concen: 49.771 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 104554
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.5 82.7
 132 89.6 66.7 123.9
 130 98.9 72.5 134.7

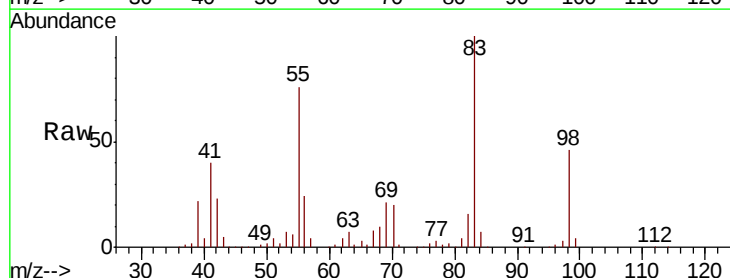


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

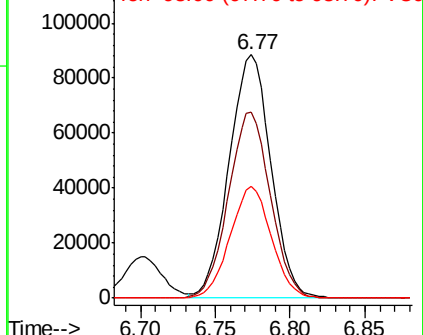
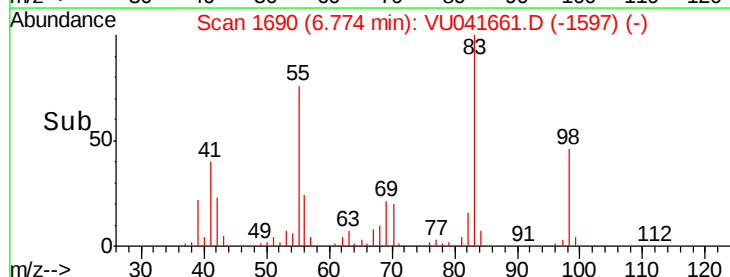


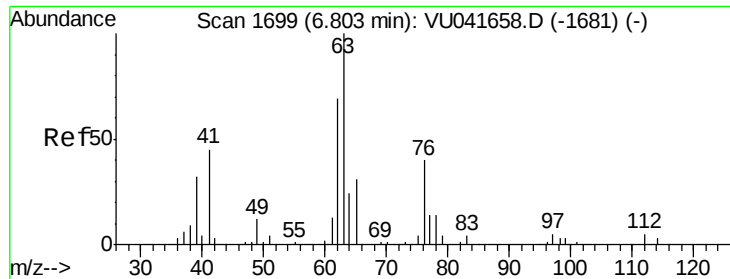
#35
 Methylcyclohexane
 Concen: 51.477 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

Tgt Ion: 83 Resp: 171450
 Ion Ratio Lower Upper
 83 100
 55 77.1 57.8 86.6
 98 45.7 37.7 56.5



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

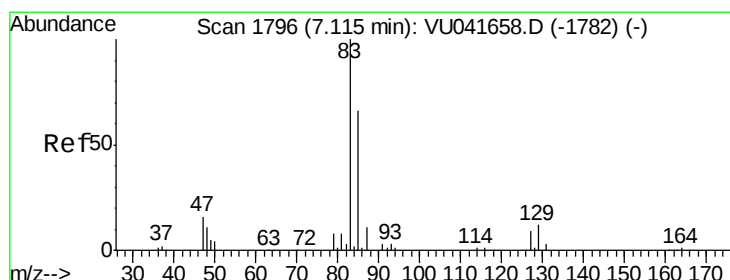
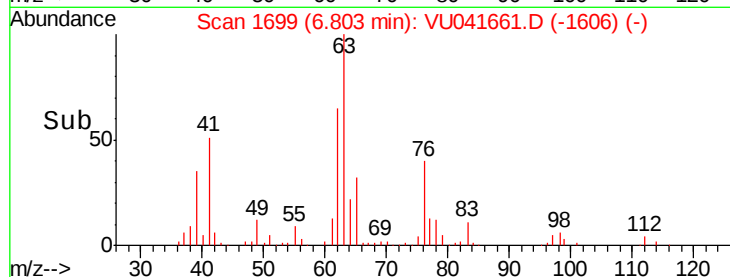
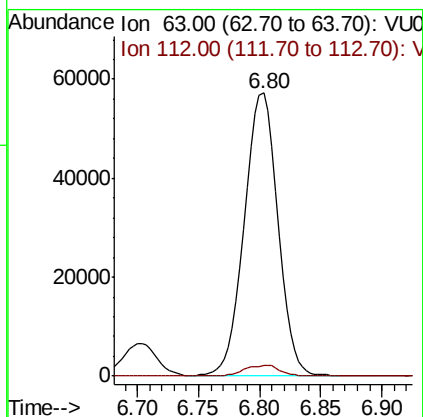
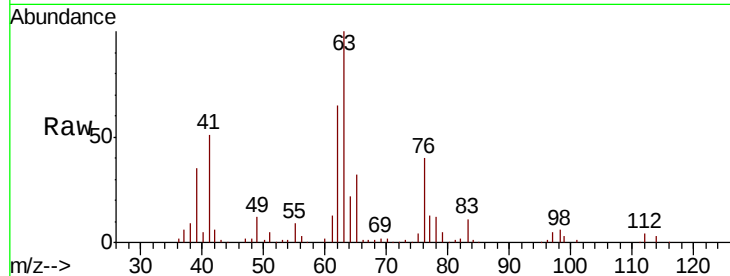




#37
 1,2-Dichloropropane
 Concen: 53.532 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

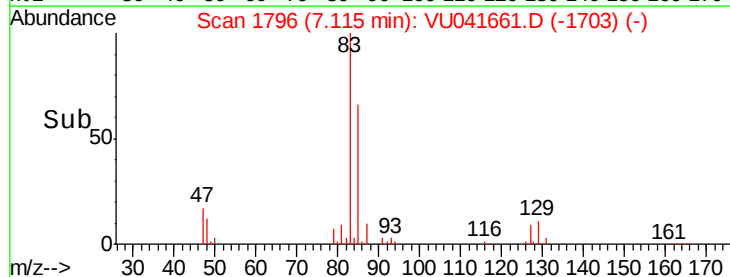
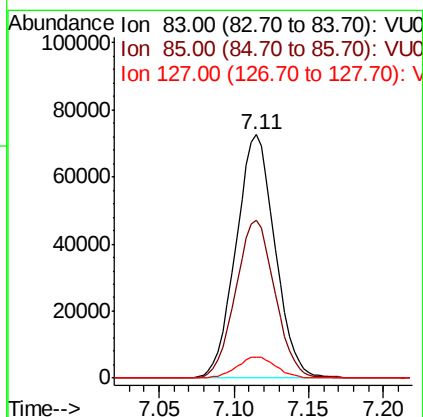
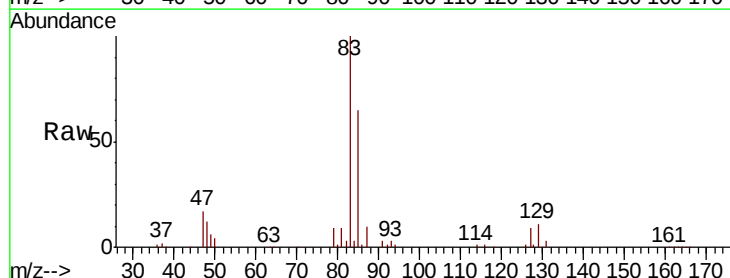
Instrument :
 MSVOA_U
 ClientSampleId :

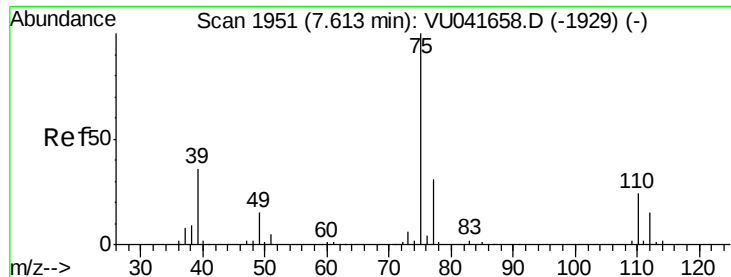
Tot Ion: 63 Resp: 109030
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 47.811 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

Tgt Ion: 83 Resp: 131843
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.9 85.3
 127 8.8 7.5 11.3

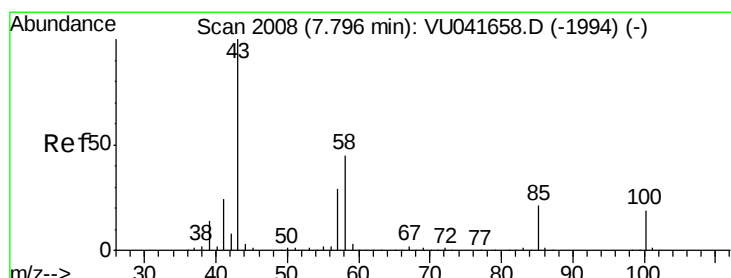
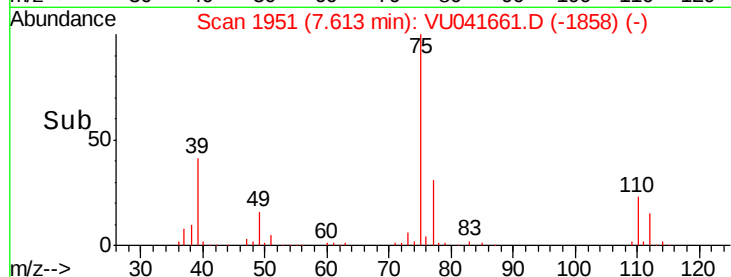
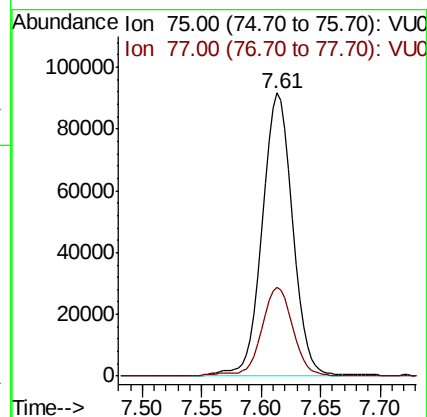
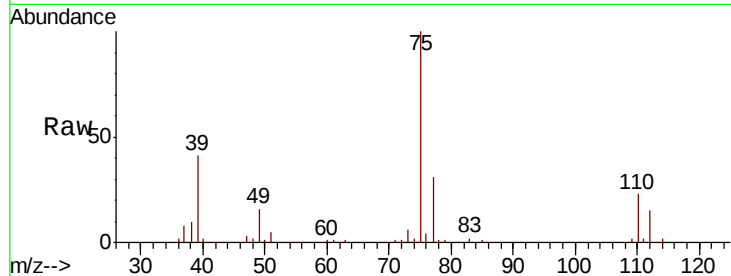




#39
 cis-1,3-Dichloropropene
 Concen: 50.185 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

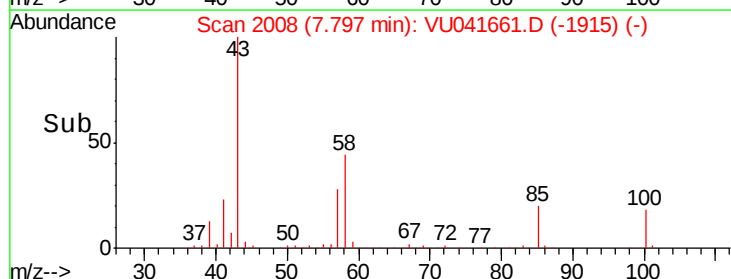
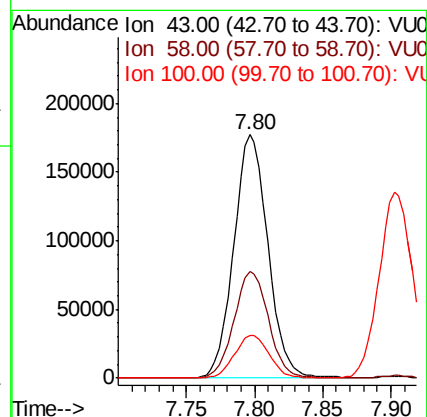
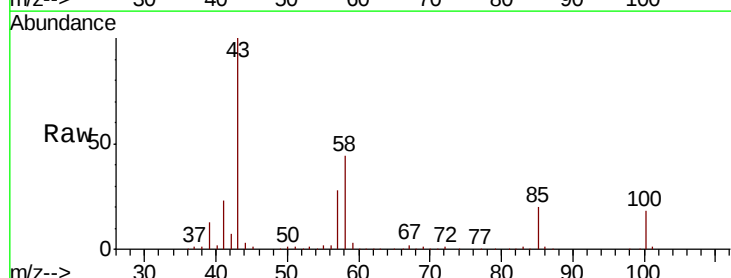
Instrument :
 MSVOA_U
 ClientSampled :

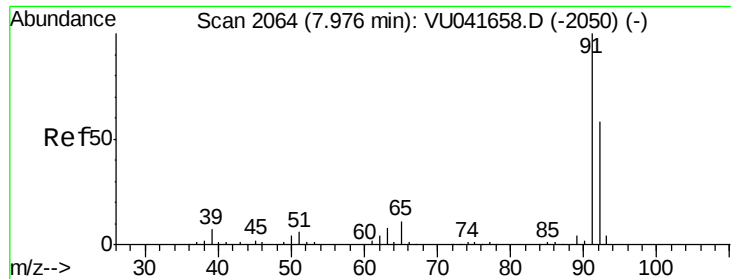
Tot Ion: 75 Resp: 162903
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 103.267 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

Tgt Ion: 43 Resp: 308822
 Ion Ratio Lower Upper
 43 100
 58 44.3 36.1 54.1
 100 17.9 14.9 22.3





#42

Toluene

Concen: 49.673 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

Instrument :

MSVOA_U

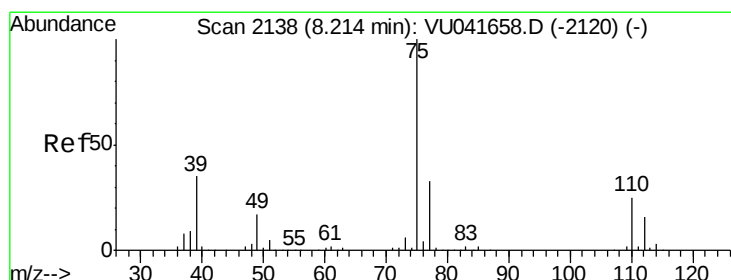
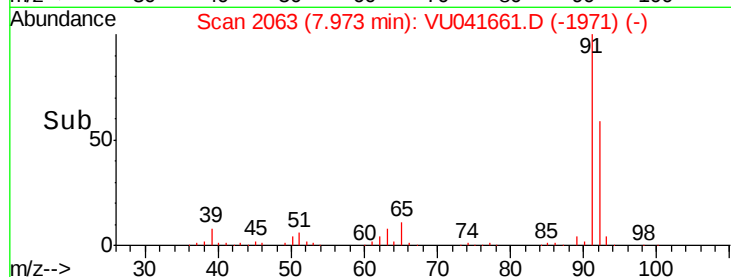
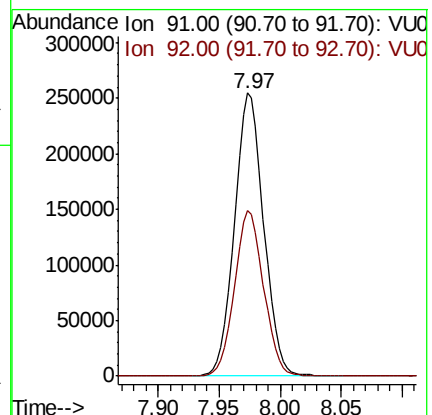
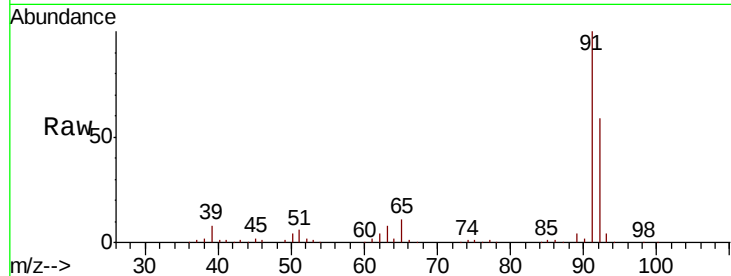
ClientSampled :

Tot Ion: 91 Resp: 425241

Ion Ratio Lower Upper

91 100

92 58.5 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 50.331 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041661.D

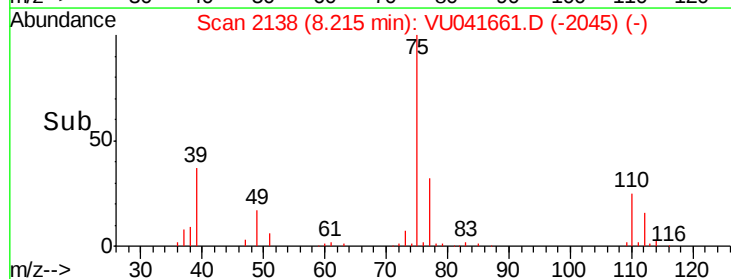
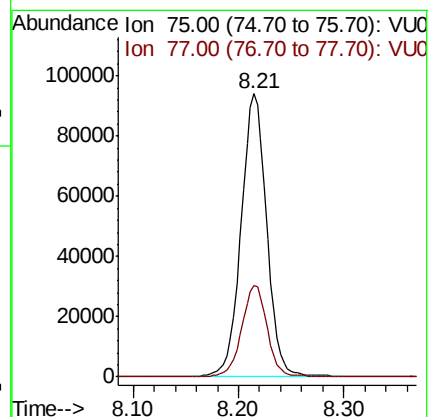
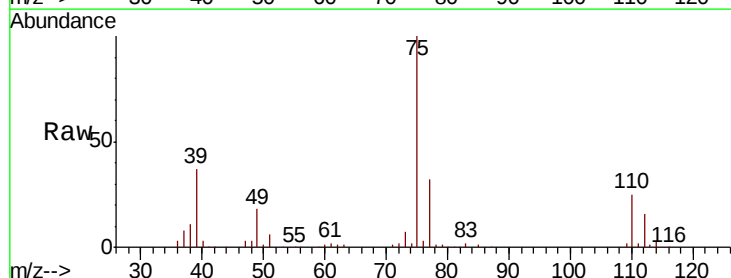
Acq: 16 Dec 2020 11:07

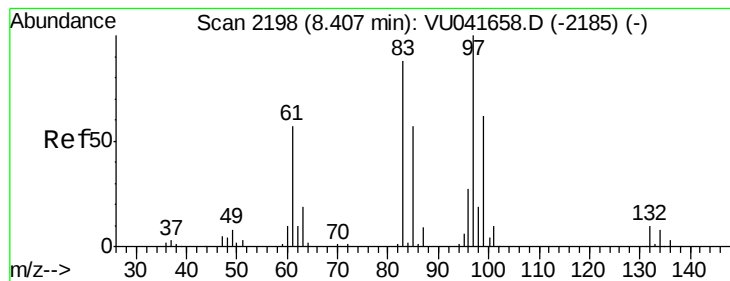
Tgt Ion: 75 Resp: 158336

Ion Ratio Lower Upper

75 100

77 32.5 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 47.367 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 97602

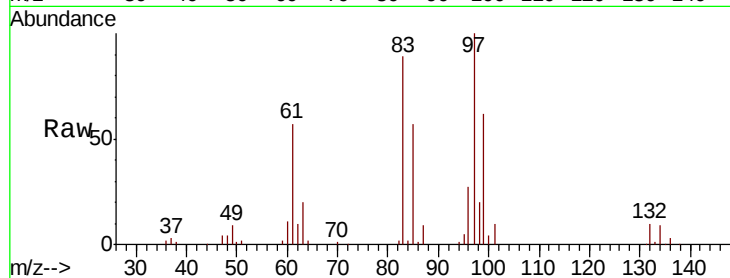
Ion Ratio Lower Upper

97 100

99 62.3 43.3 80.3

83 89.2 61.4 114.0

85 56.9 40.0 74.4

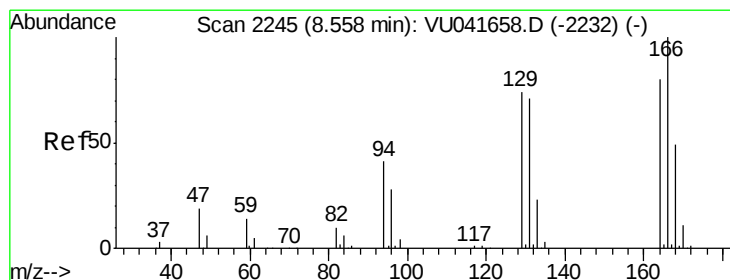
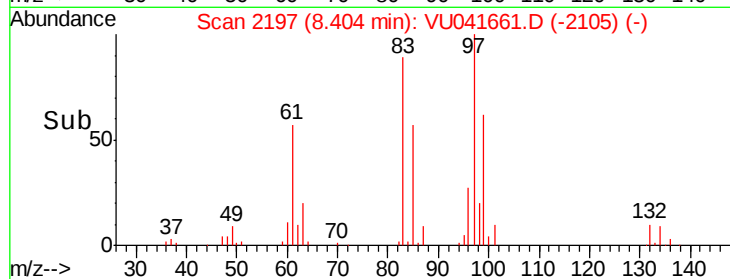
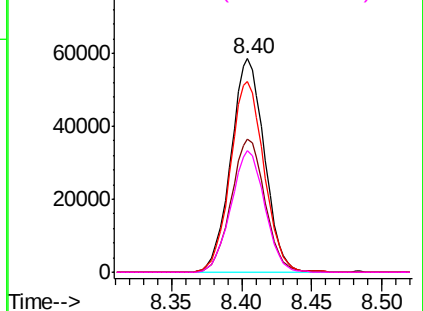


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 48.396 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

Tgt Ion: 164 Resp: 78905

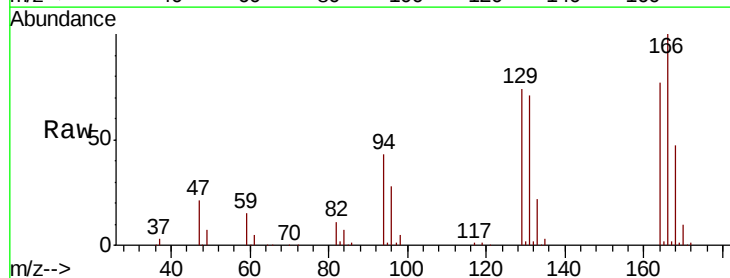
Ion Ratio Lower Upper

164 100

129 95.8 64.5 119.9

131 91.9 62.5 116.1

166 130.3 87.5 162.5

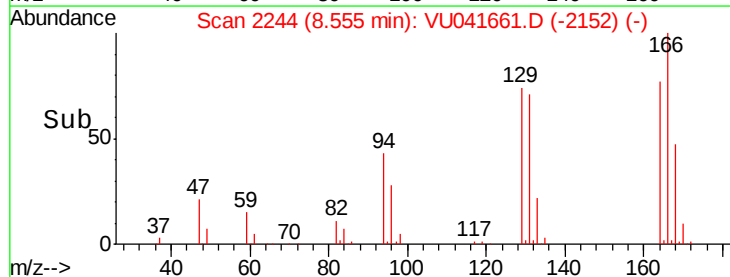
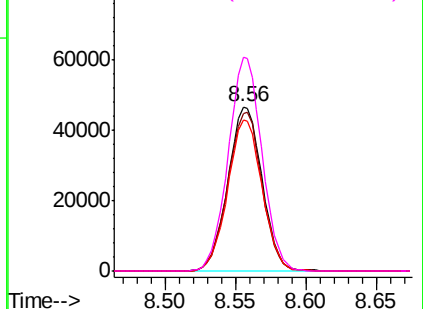


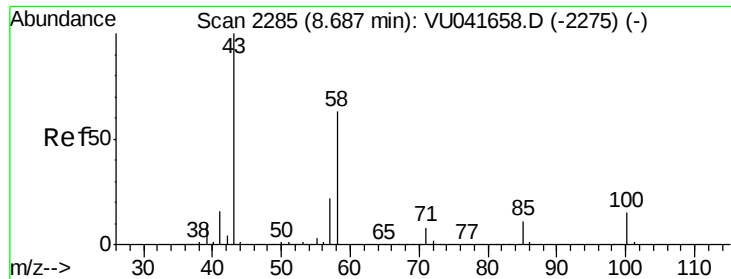
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

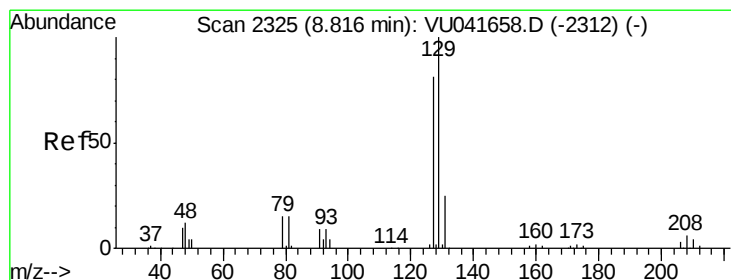
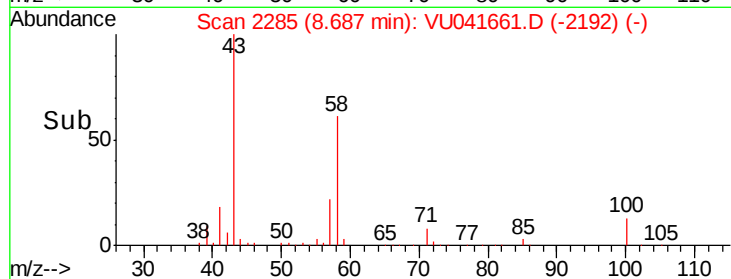
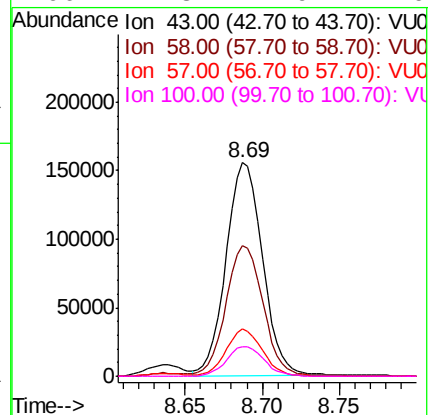
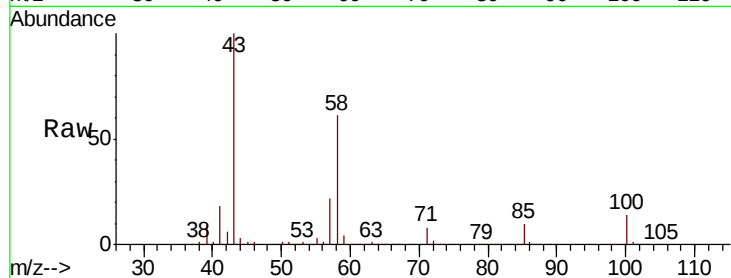




#48
2-Hexanone
Concen: 104.748 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

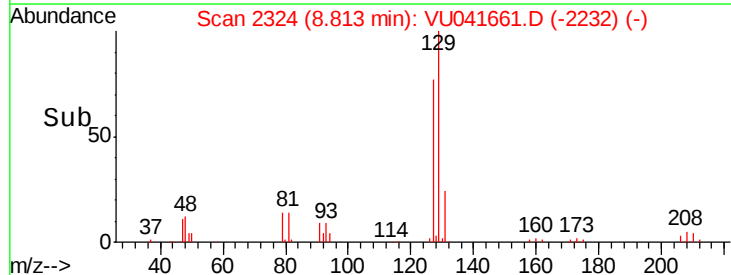
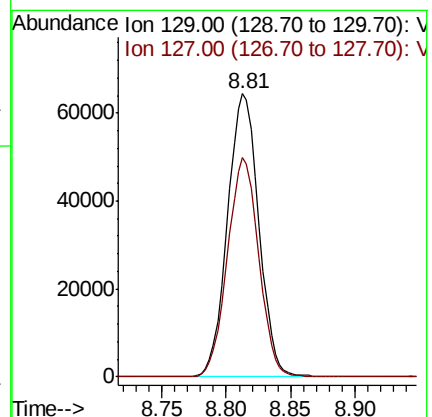
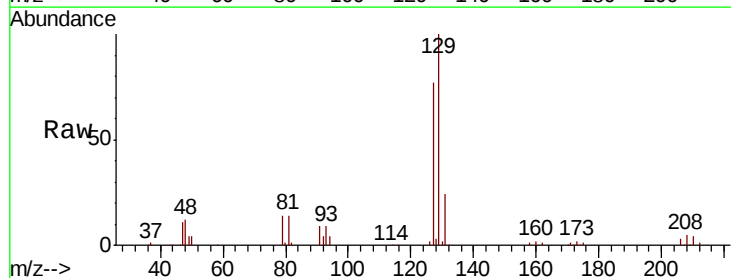
Instrument :
MSVOA_U
ClientSampleId :

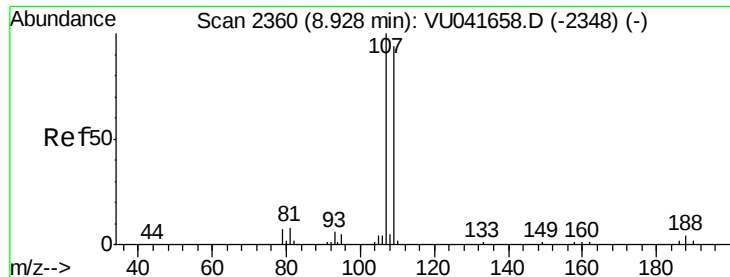
Tot Ion: 43 Resp: 254518
Ion Ratio Lower Upper
43 100
58 62.4 50.4 75.6
57 21.9 17.9 26.9
100 14.3 11.9 17.9



#49
Dibromochloromethane
Concen: 48.666 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

Tgt Ion: 129 Resp: 108584
Ion Ratio Lower Upper
129 100
127 77.4 56.6 105.2

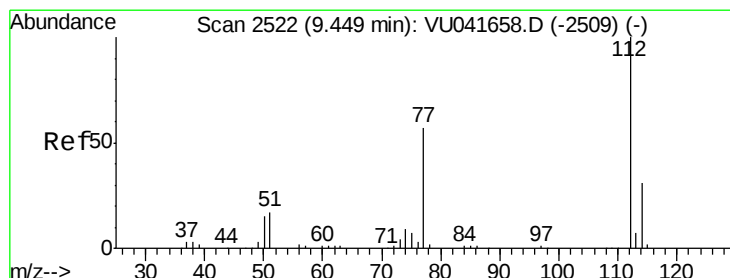
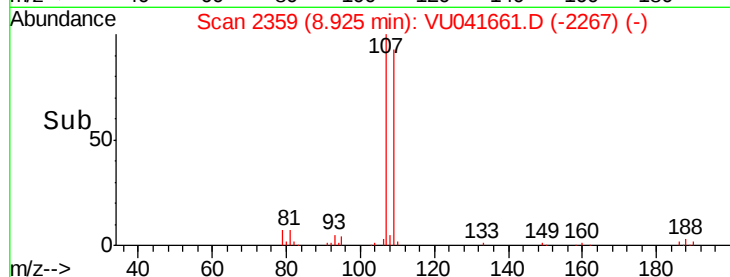
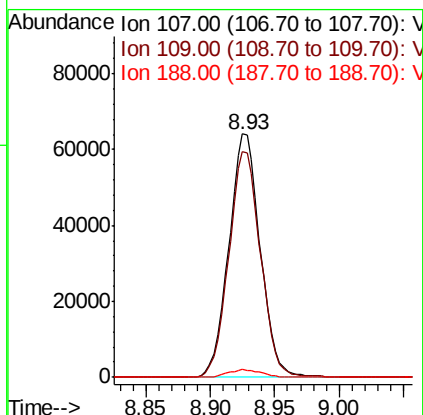
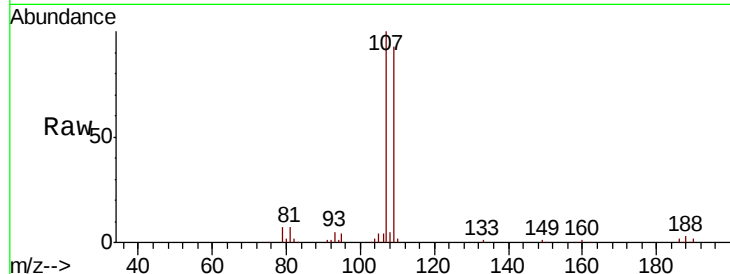




#50
 1,2-Dibromoethane
 Concen: 50.212 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

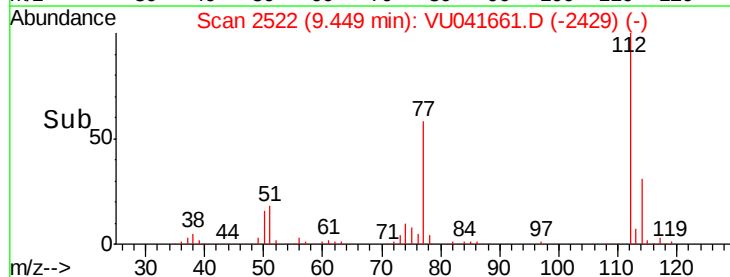
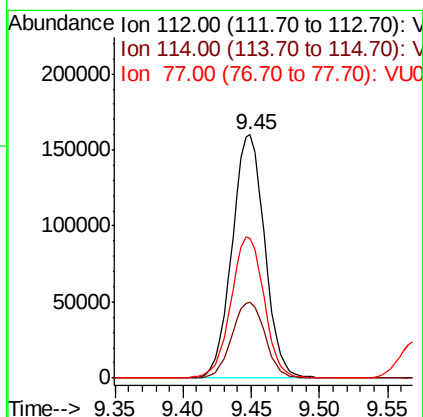
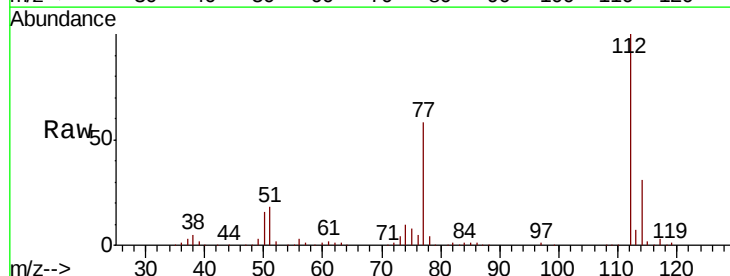
Instrument :
 MSVOA_U
 ClientSampleId :

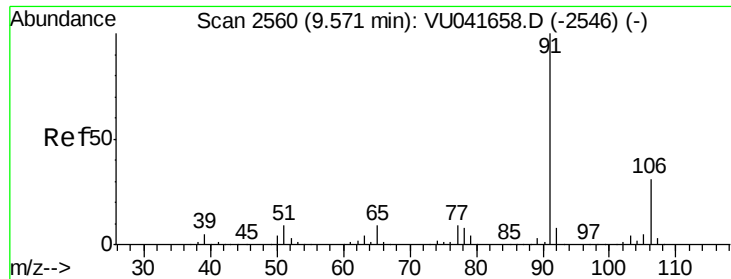
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	65.7	122.1
188	3.1	2.9	4.3



#51
 Chlorobenzene
 Concen: 48.624 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.0	41.0
77	57.6	46.0	69.0

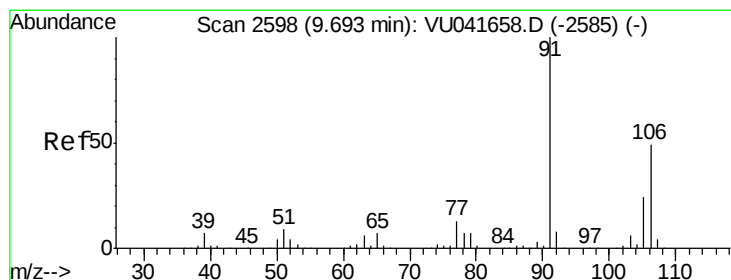
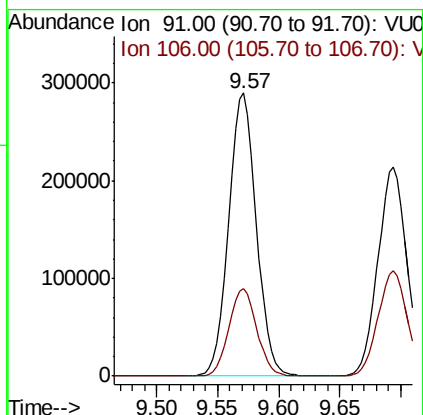
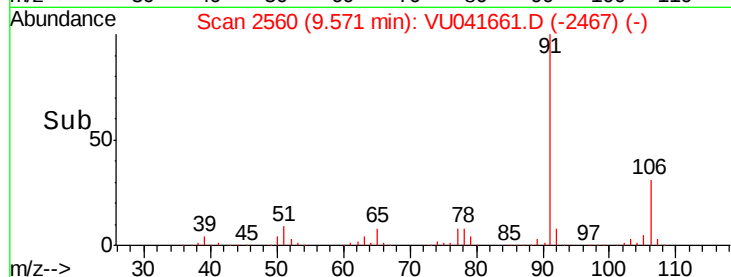
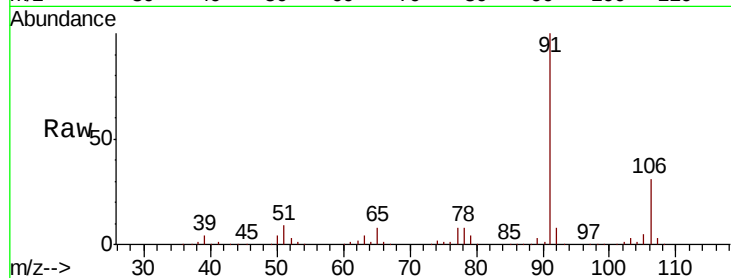




#52
Ethylbenzene
Concen: 50.976 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

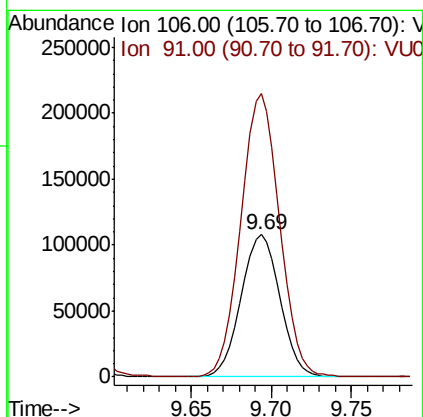
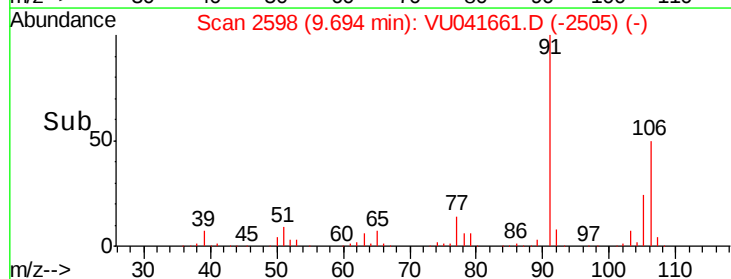
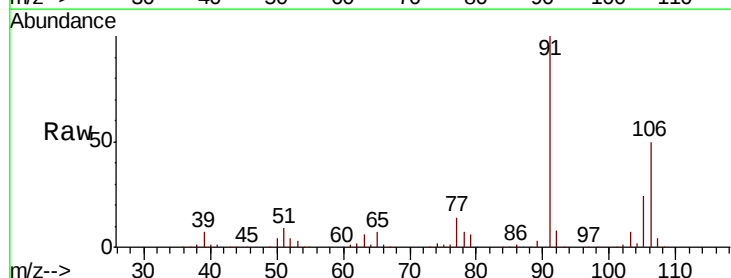
Instrument :
MSVOA_U
ClientSampleId :

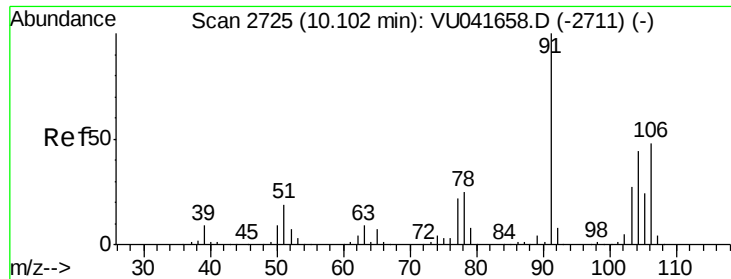
Tot Ion: 91 Resp: 459300
Ion Ratio Lower Upper
91 100
106 31.1 21.5 39.9



#53
m,p-Xylene
Concen: 51.383 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

Tgt Ion: 106 Resp: 177896
Ion Ratio Lower Upper
106 100
91 198.8 143.2 266.0





#54

o-xylene

Concen: 50.821 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041661.D

Acq: 16 Dec 2020 11:07

Instrument :

MSVOA_U

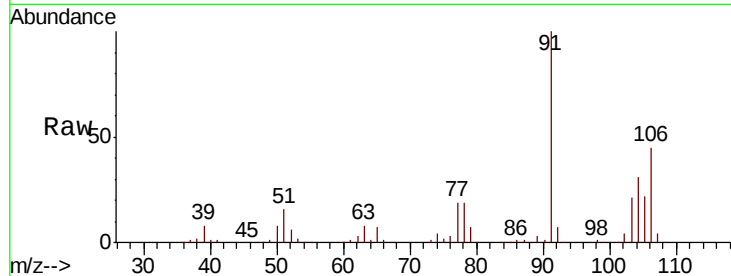
ClientSampleId :

Tot Ion:106 Resp: 171773

Ion Ratio Lower Upper

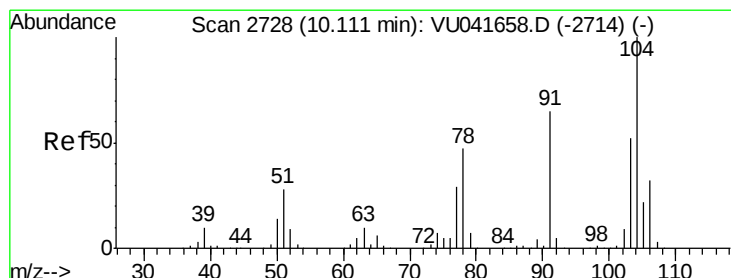
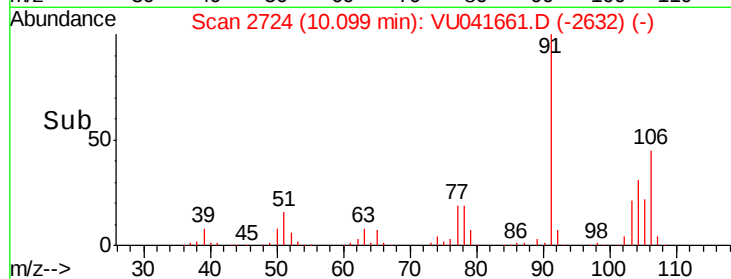
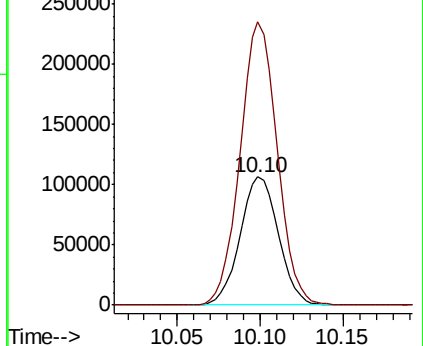
106 100

91 220.9 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.905 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. 0.00 min

Lab File: VU041661.D

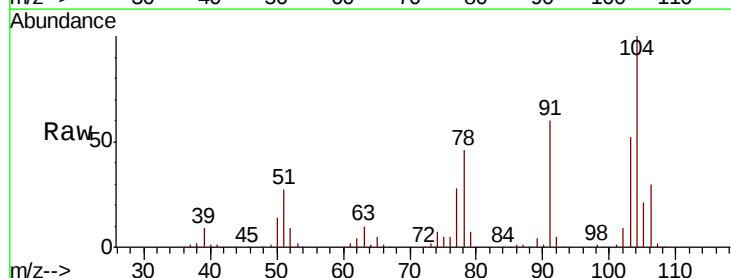
Acq: 16 Dec 2020 11:07

Tgt Ion:104 Resp: 298405

Ion Ratio Lower Upper

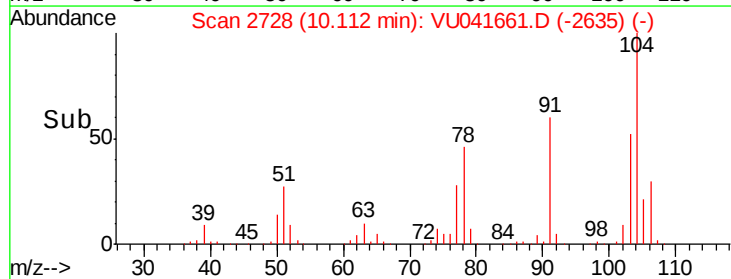
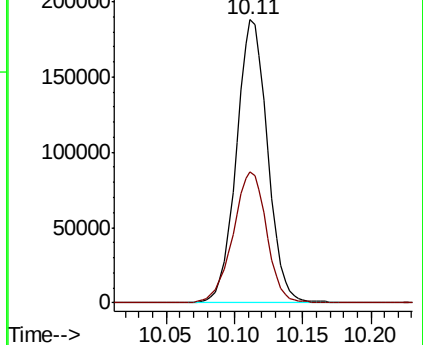
104 100

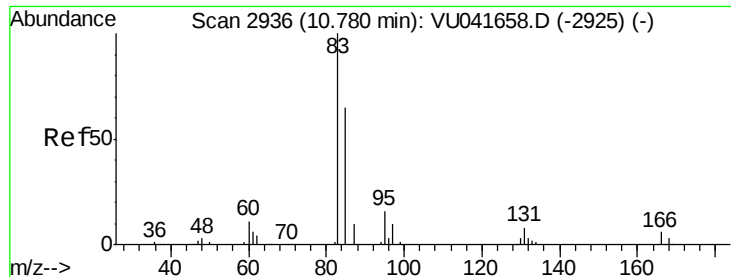
78 46.4 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

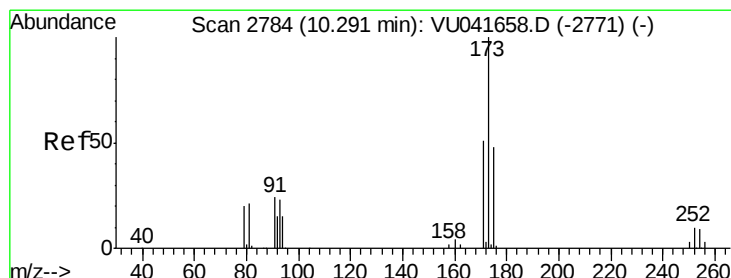
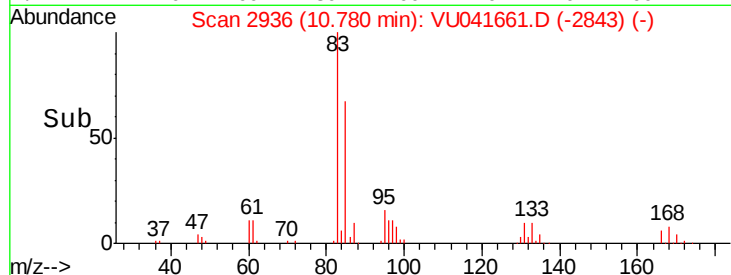
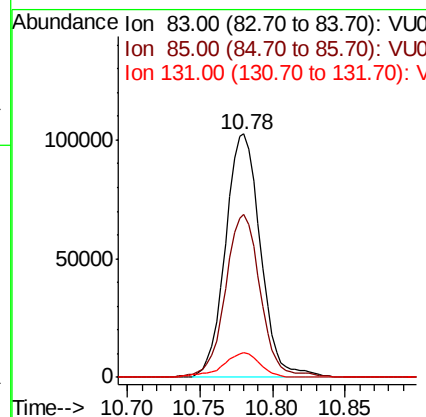
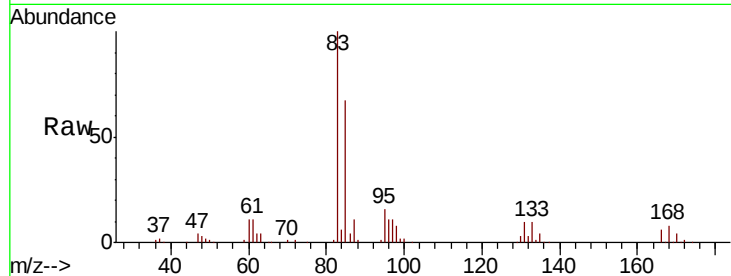




#57
 1,1,2,2-Tetrachloroethane
 Concen: 48.635 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

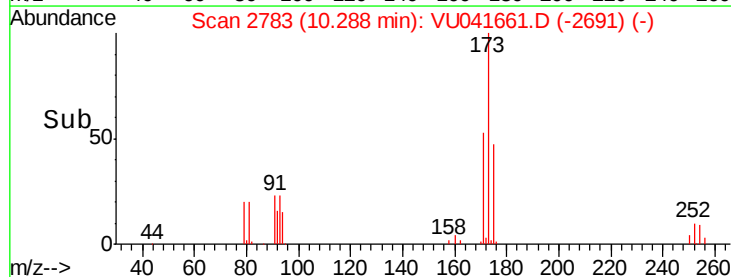
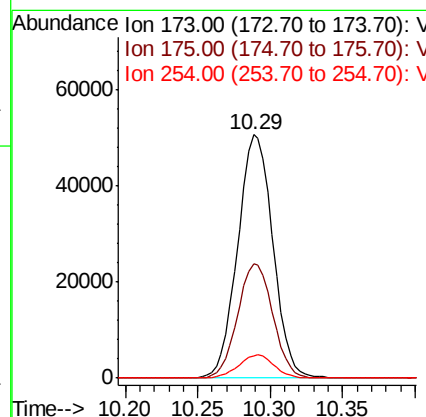
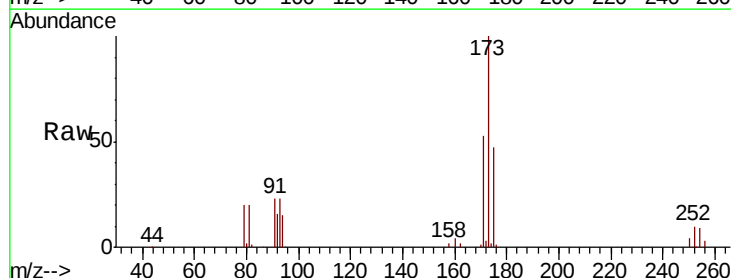
Instrument :
 MSVOA_U
 ClientSampleId :

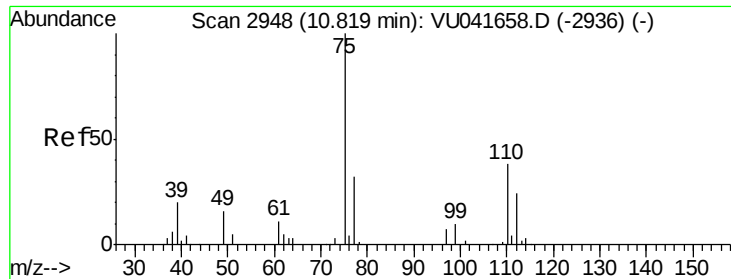
Tot Ion: 83 Resp: 172283
 Ion Ratio Lower Upper
 83 100
 85 66.9 46.1 85.7
 131 10.2 7.5 11.3



#59
 Bromoform
 Concen: 50.669 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

Tgt Ion: 173 Resp: 85475
 Ion Ratio Lower Upper
 173 100
 175 46.9 38.3 57.5
 254 9.5 7.6 11.4

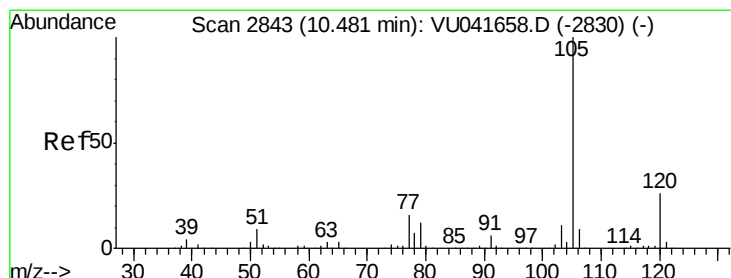
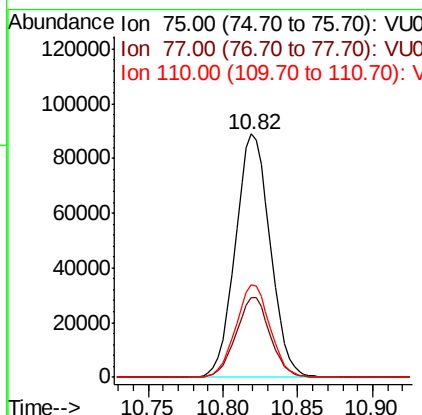
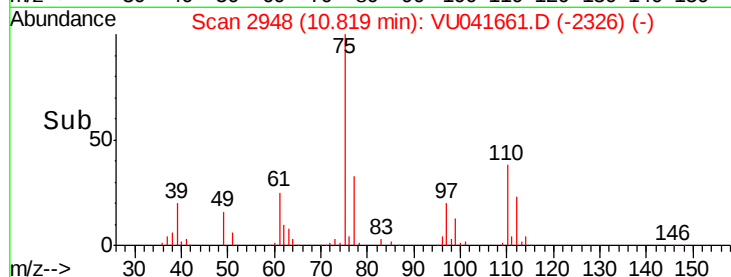
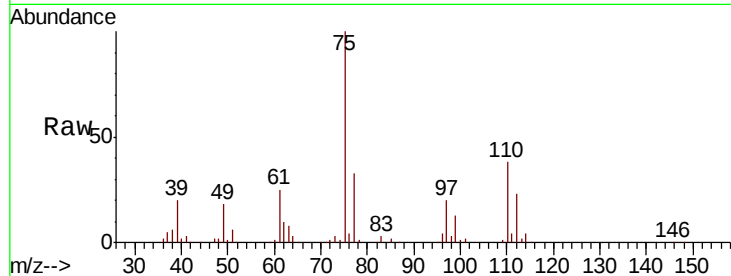




#60
 1,2,3-Trichloropropane
 Concen: 49.627 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

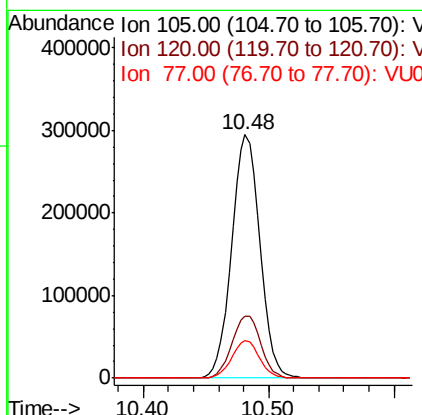
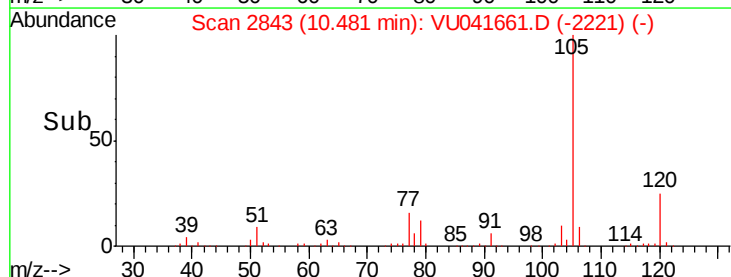
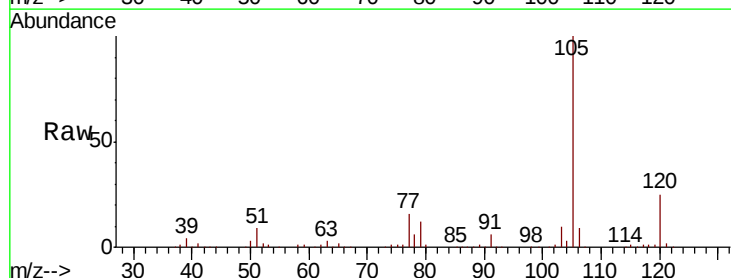
Instrument :
 MSVOA_U
 ClientSampled :

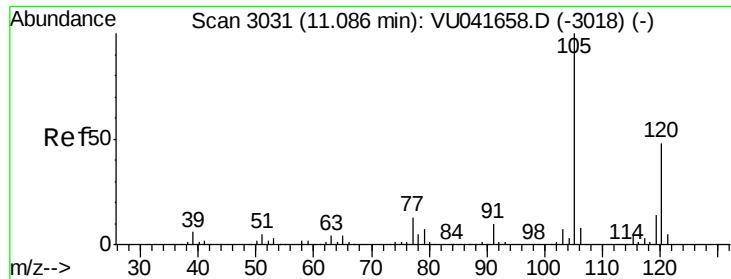
Tot Ion: 75 Resp: 143782
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.2 37.8
 110 37.5 30.5 45.7



#61
 Isopropylbenzene
 Concen: 52.969 ug/L
 RT: 10.48 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

Tgt Ion: 105 Resp: 459960
 Ion Ratio Lower Upper
 105 100
 120 26.0 20.7 31.1
 77 15.3 12.6 18.8

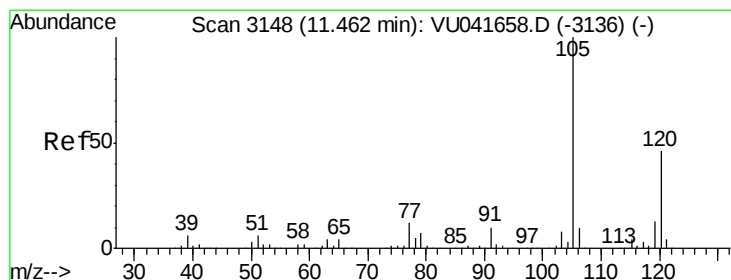
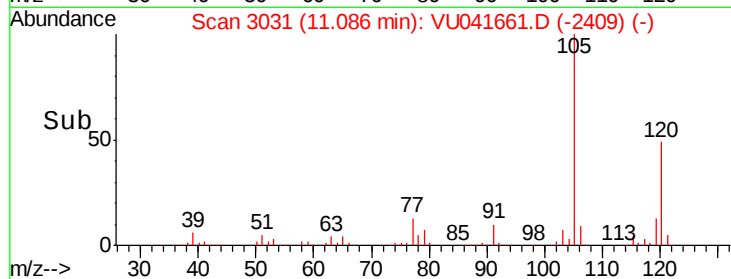
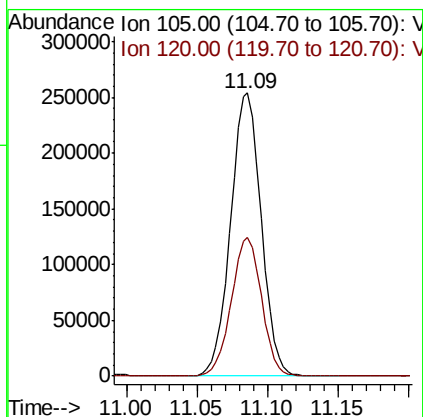
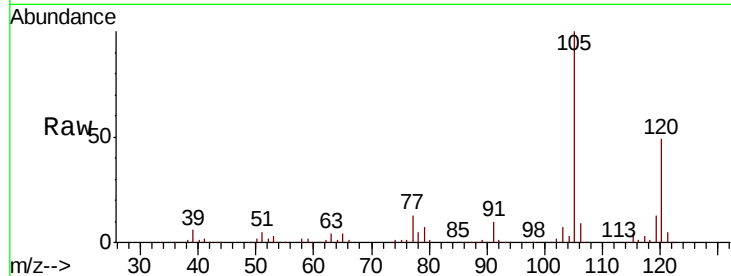




#62
 1,3,5-Trimethylbenzene
 Concen: 53.408 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

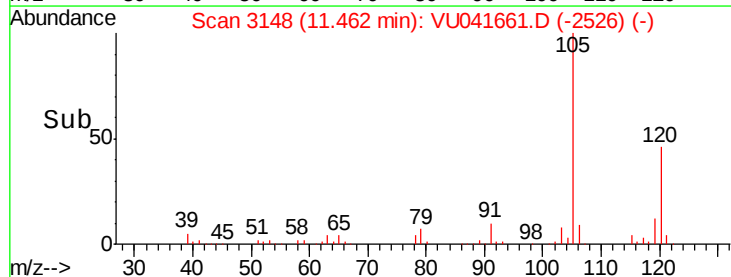
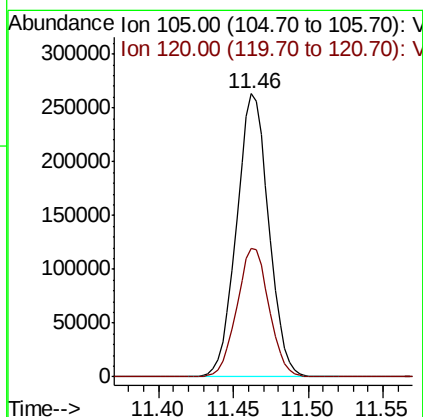
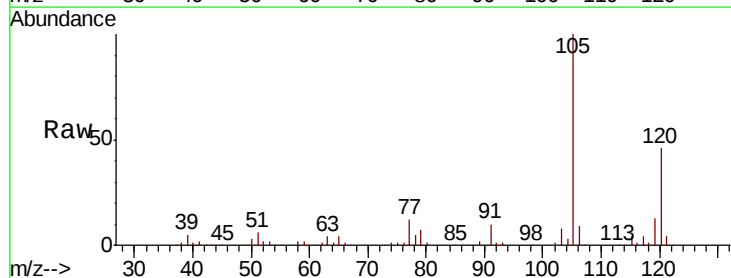
Instrument :
 MSVOA_U
 ClientSampleID :

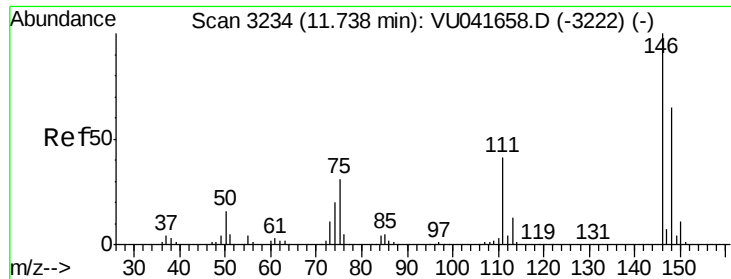
Tot Ion:105 Resp: 385504
 Ion Ratio Lower Upper
 105 100
 120 48.6 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 53.801 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

Tgt Ion:105 Resp: 393435
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.5 54.7

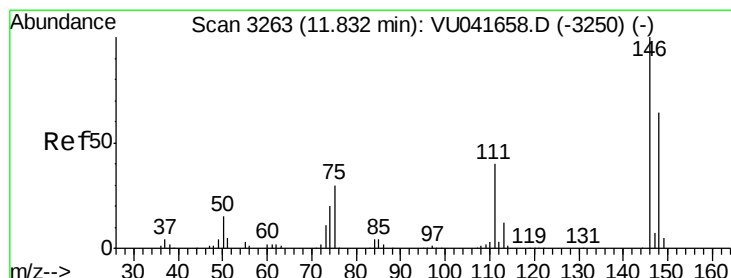
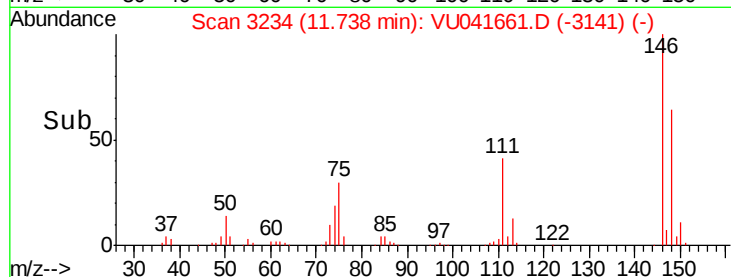
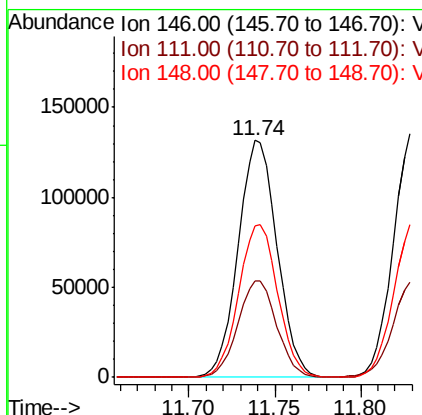
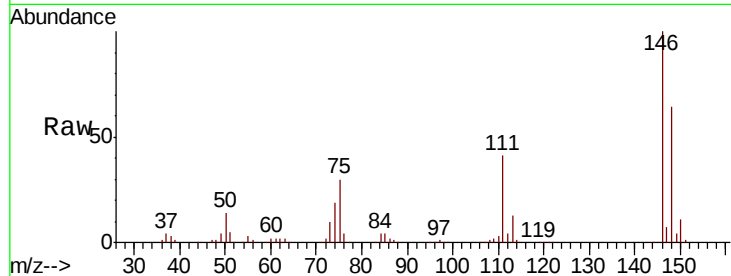




#64
 1,3-Dichlorobenzene
 Concen: 49.885 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

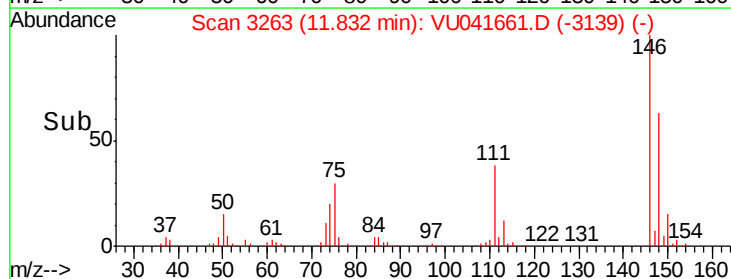
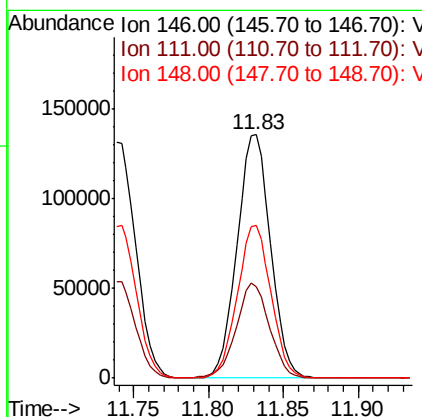
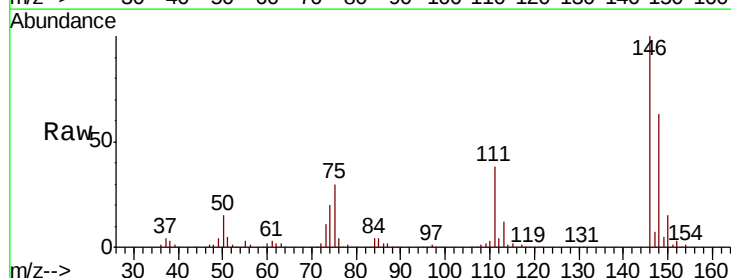
Instrument :
 MSVOA_U
 ClientSampleId :

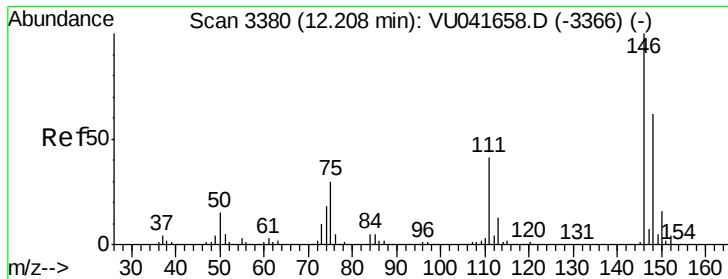
Tot Ion:146 Resp: 207472
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.7 53.3
 148 63.9 45.5 84.5



#65
 1,4-Dichlorobenzene
 Concen: 50.468 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

Tgt Ion:146 Resp: 211598
 Ion Ratio Lower Upper
 146 100
 111 37.7 28.1 52.1
 148 62.7 44.8 83.2

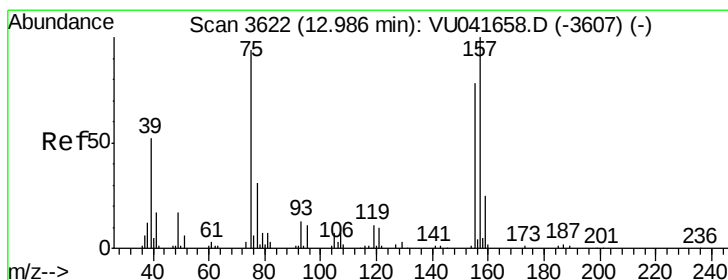
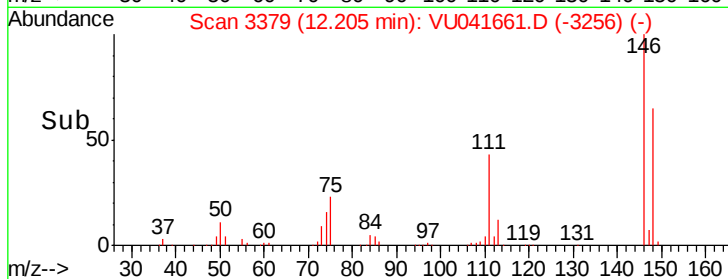
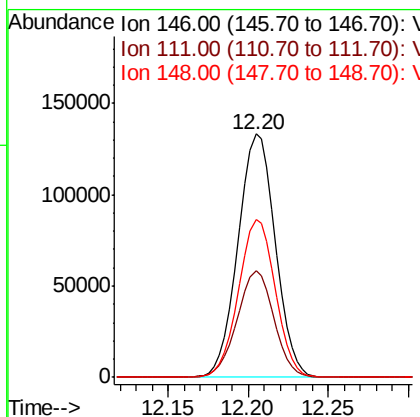
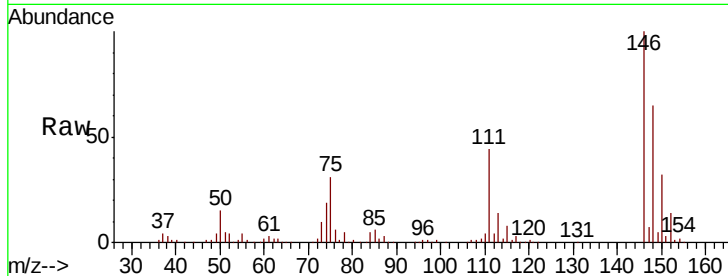




#67
 1,2-Dichlorobenzene
 Concen: 49.229 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

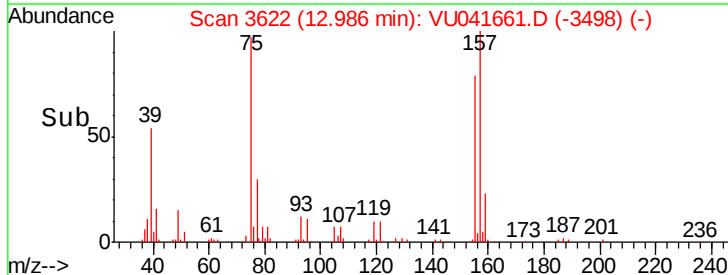
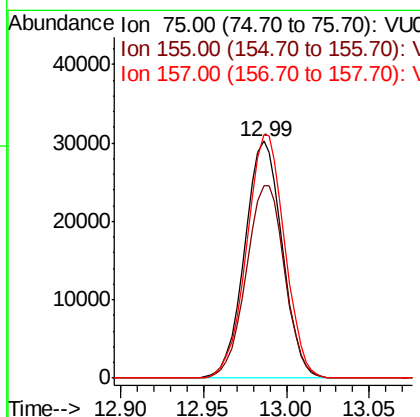
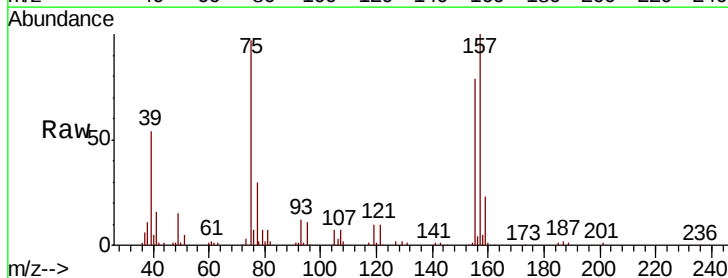
Instrument :
 MSVOA_U
 ClientSampleId :

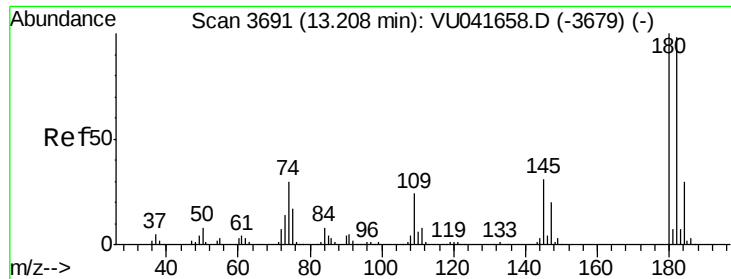
Tot Ion:146 Resp: 211120
 Ion Ratio Lower Upper
 146 100
 111 43.6 33.0 49.6
 148 64.8 50.0 75.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 52.589 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

Tgt Ion: 75 Resp: 47577
 Ion Ratio Lower Upper
 75 100
 155 81.1 66.8 100.2
 157 102.8 85.5 128.3

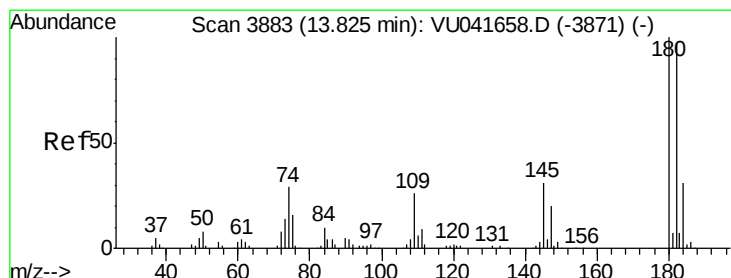
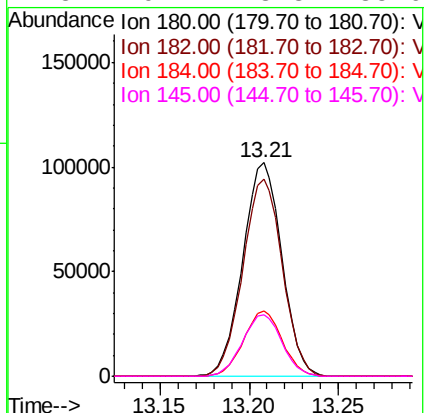
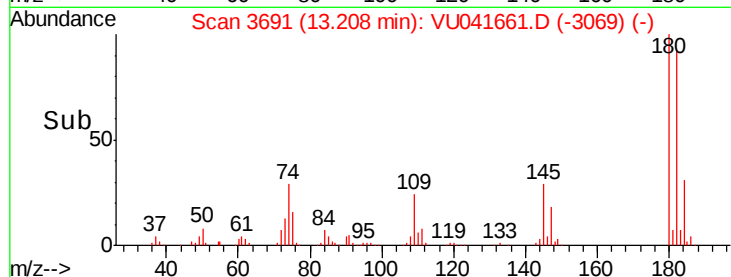
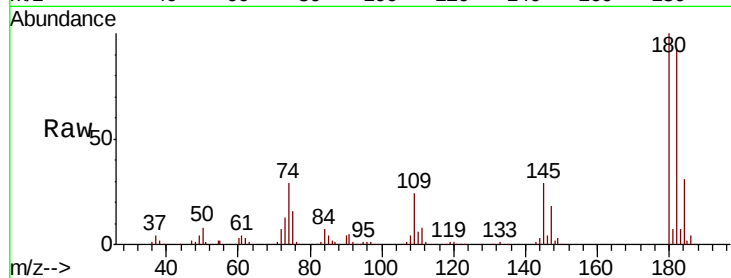




#69
 1,3,5-Trichlorobenzene
 Concen: 52.224 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

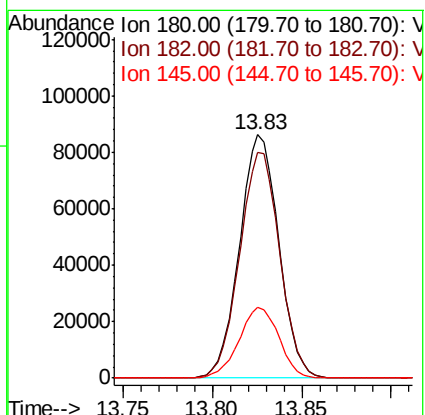
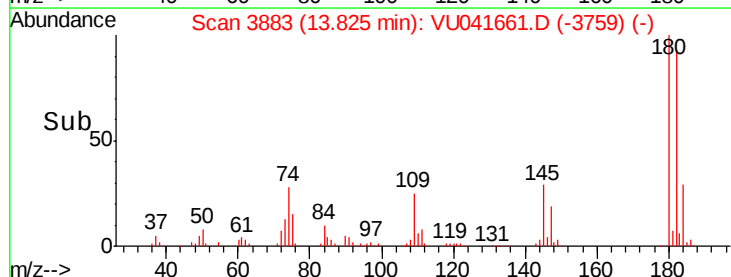
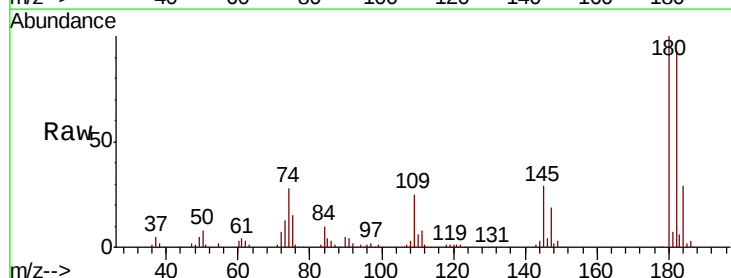
Instrument :
 MSVOA_U
 ClientSampleId :

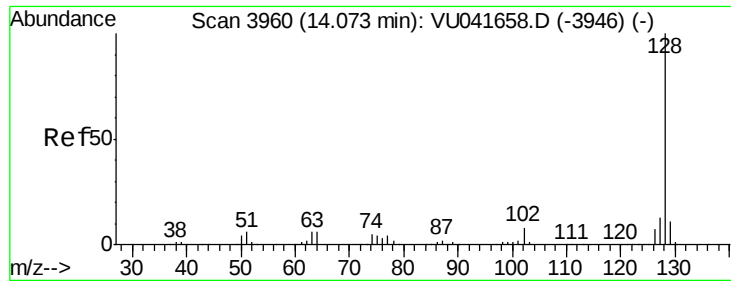
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	77.1	115.7
184	30.1	23.9	35.9
145	29.1	23.8	35.6



#70
 1,2,4-trichlorobenzene
 Concen: 55.059 ug/L
 RT: 13.83 min Scan# 3883
 Delta R.T. 0.00 min
 Lab File: VU041661.D
 Acq: 16 Dec 2020 11:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.9	113.9
145	29.6	24.1	36.1

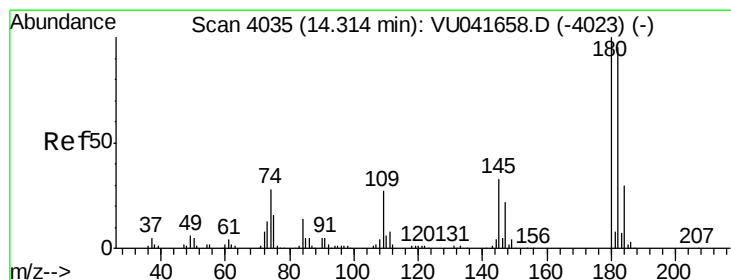
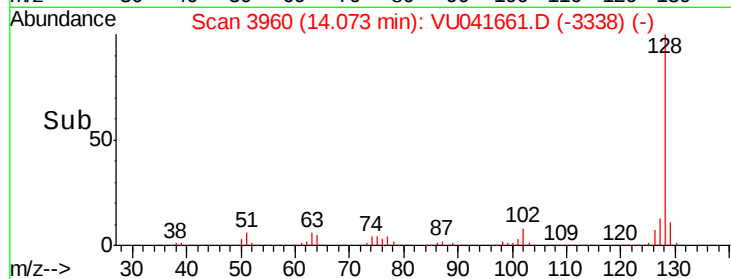
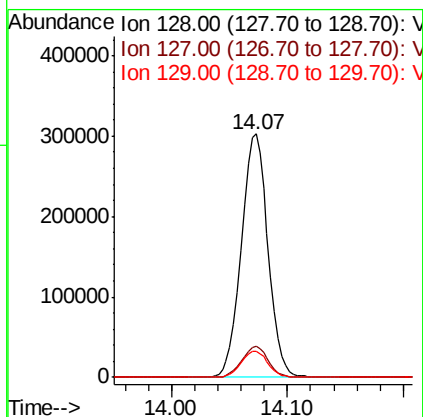
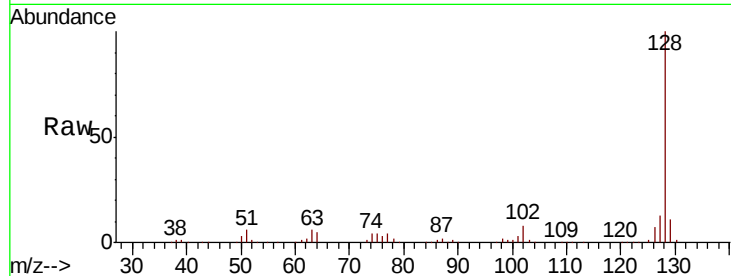




#71
Naphthalene
Concen: 61.841 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. 0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 482143
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 55.088 ug/L
RT: 14.31 min Scan# 4035
Delta R.T. 0.00 min
Lab File: VU041661.D
Acq: 16 Dec 2020 11:07

Tgt Ion:180 Resp: 133515
Ion Ratio Lower Upper
180 100
182 97.2 75.8 113.6
145 32.9 26.2 39.4

