

Data File : VU041386.D
Acq On : 23 Nov 2020 14:01
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV03

Quant Time: Nov 24 01:47:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:45:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	81581	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	81747	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	42008	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27203	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.92	69	18768	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.58	63	56950	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.20%
20) 2-Butanone-d5	4.64	46	61615	42.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.36%
24) Chloroform-d	5.08	84	52941	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.71	65	29936	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
32) Benzene-d6	5.74	84	91074	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.70	67	30554	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.90	98	93322	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	8.19	79	14219	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.64	63	48177	50.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25584	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	33655	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	39996	5.075	ug/L 99
3) Chloromethane	1.53	50	34396	5.132	ug/L 95
5) Vinyl chloride	1.61	62	37303	5.232	ug/L 97
6) Bromomethane	1.86	94	15190	5.649	ug/L 99
8) Chloroethane	1.94	64	18958	4.691	ug/L 96
9) Trichlorofluoromethane	2.14	101	56117	5.083	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	29560	5.198	ug/L 96
12) 1,1-Dichloroethene	2.59	96	27321	5.439	ug/L 94
13) Acetone	2.63	43	50183	50.834	ug/L 99
14) Carbon disulfide	2.80	76	91136	5.194	ug/L 99
15) Methyl Acetate	2.96	43	13275	5.708	ug/L 100
16) Methylene chloride	3.06	84	30772	4.286	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	65278	5.218	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	27288	5.009	ug/L 95
19) 1,1-Dichloroethane	3.89	63	55666	5.136	ug/L 99
21) 2-Butanone	4.72	43	74256	47.358	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	28291	4.883	ug/L 100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:45:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	13001	5.081	ug/L	94
25) Chloroform	5.10	83	55823	4.688	ug/L	97
27) 1,2-Dichloroethane	5.81	62	38534	4.969	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	51103	5.004	ug/L	98
30) Cyclohexane	5.40	56	41835	4.804	ug/L	96
31) Carbon tetrachloride	5.54	117	47505	5.168	ug/L	100
33) Benzene	5.79	78	111332	5.077	ug/L	100
34) Trichloroethene	6.55	95	30910	5.176	ug/L	94
35) Methylcyclohexane	6.77	83	48108	5.525	ug/L	100
37) 1,2-Dichloropropane	6.80	63	31794	5.285	ug/L	98
38) Bromodichloromethane	7.11	83	41599	5.106	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	44434	5.351	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	198164	53.685	ug/L	100
42) Toluene	7.97	91	126811	5.424	ug/L	97
44) trans-1,3-Dichloropropene	8.21	75	40917	5.400	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	21667	5.255	ug/L	97
47) Tetrachloroethene	8.56	164	23544	5.266	ug/L	97
48) 2-Hexanone	8.69	43	144751	53.454	ug/L	99
49) Dibromochloromethane	8.81	129	27947	5.323	ug/L	97
50) 1,2-Dibromoethane	8.93	107	20358	5.163	ug/L #	99
51) Chlorobenzene	9.45	112	78846	5.210	ug/L	98
52) Ethylbenzene	9.57	91	136109	5.446	ug/L	99
53) m,p-Xylene	9.69	106	50978	5.570	ug/L	91
54) o-Xylene	10.10	106	47304	5.365	ug/L	99
55) Styrene	10.11	104	84912	5.771	ug/L	99
56) Isopropylbenzene	10.48	105	131438	5.552	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	26779	5.220	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	20288	5.162	ug/L	99
61) Bromoform	10.29	173	15520	5.240	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	62996	5.186	ug/L	95
63) 1,4-Dichlorobenzene	11.83	146	64212	5.345	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	57832	5.146	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4628	5.255	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	43626	5.109	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	35157	5.246	ug/L	96
69) Naphthalene	14.08	128	57370	5.449	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	33388	5.451	ug/L	100

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

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Instrument :
MSVOA_U
ClientSampleId :
VICV03

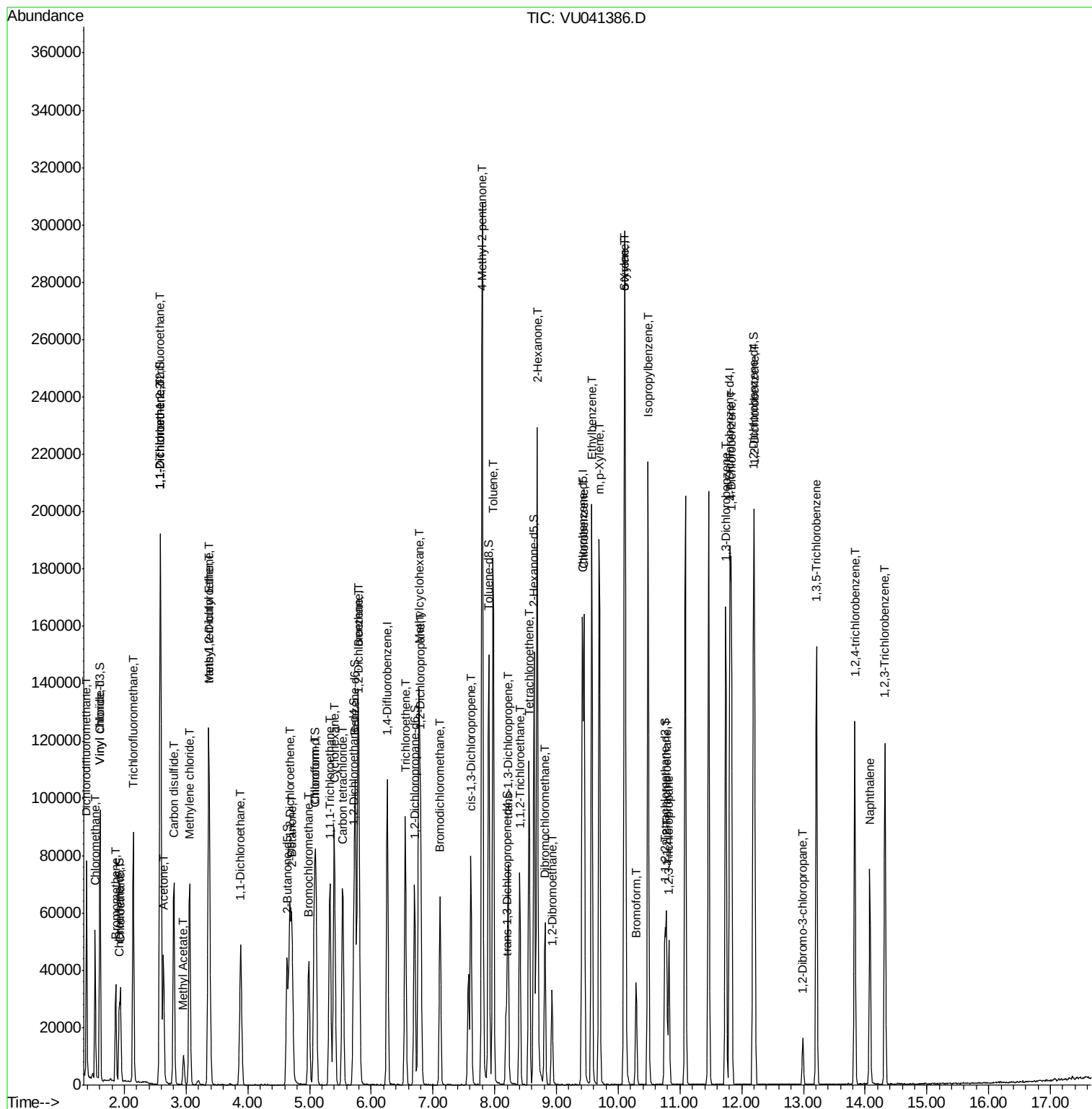
Quant Time: Nov 24 01:47:20 2020

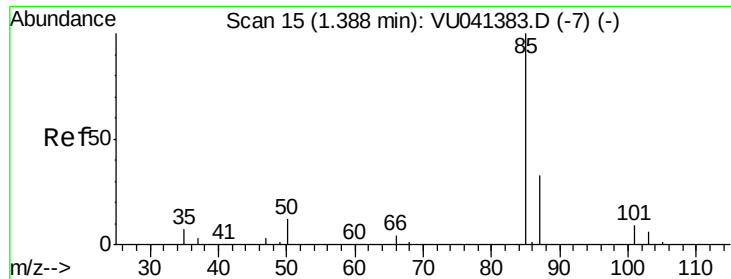
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Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Nov 24 01:45:14 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.075 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

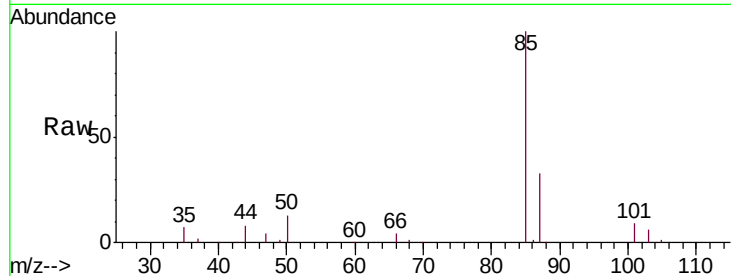
VICV03

Tgt Ion: 85 Resp: 39996

Ion Ratio Lower Upper

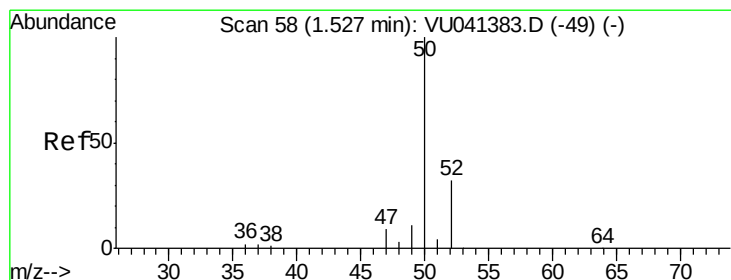
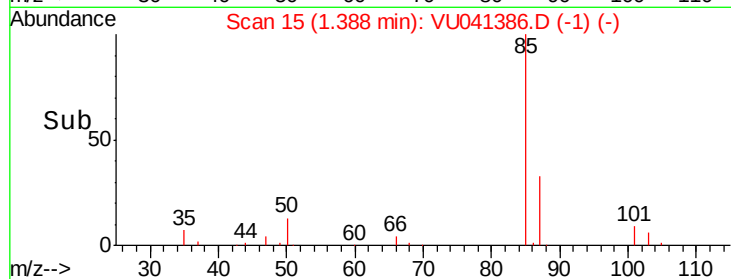
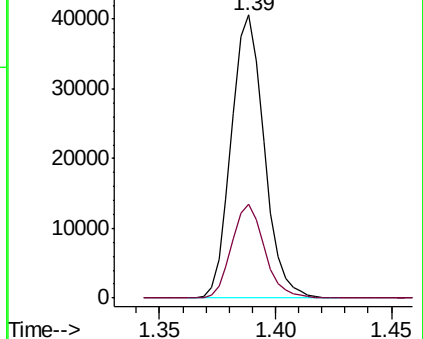
85 100

87 32.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU041383.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041383.D (-7) (-)



#3

Chloromethane

Concen: 5.132 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041386.D

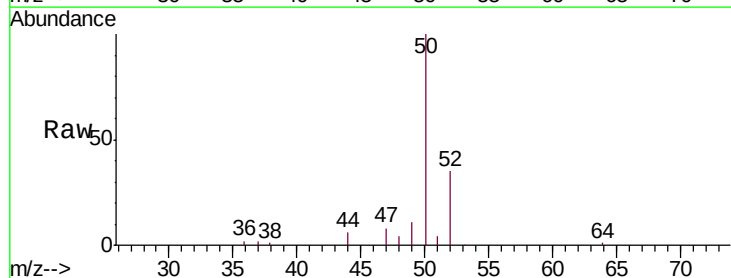
Acq: 23 Nov 2020 14:01

Tgt Ion: 50 Resp: 34396

Ion Ratio Lower Upper

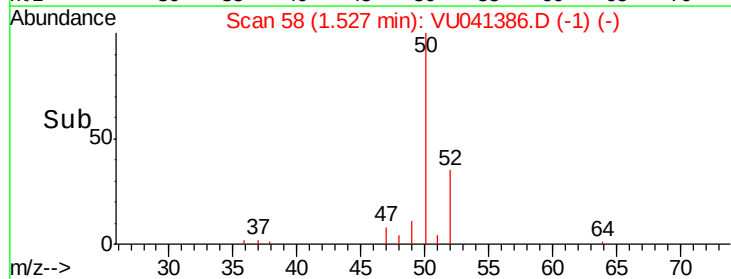
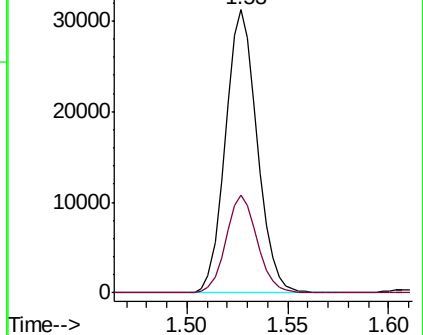
50 100

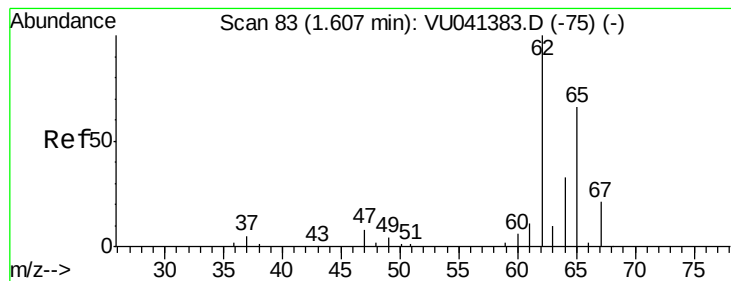
52 34.5 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU041383.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041383.D (-49) (-)





#5

Vinyl chloride

Concen: 5.232 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

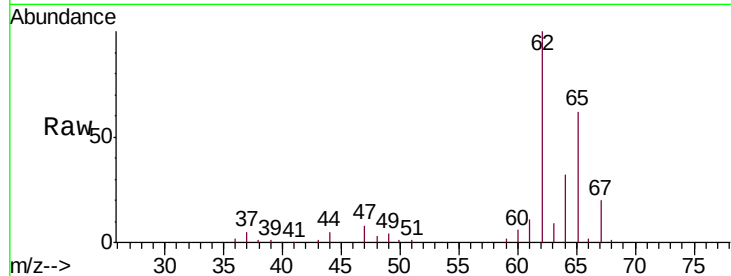
VICV03

Tgt Ion: 62 Resp: 37303

Ion Ratio Lower Upper

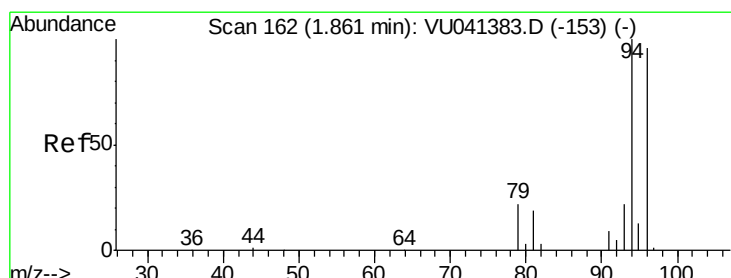
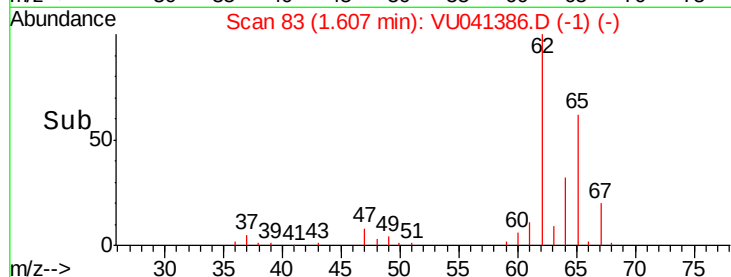
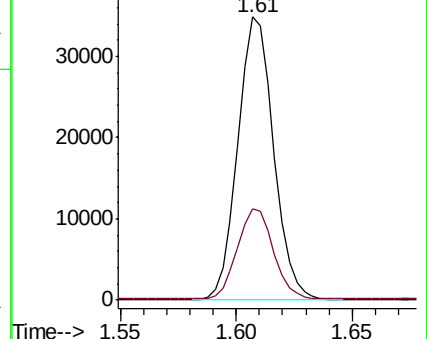
62 100

64 32.5 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.649 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU041386.D

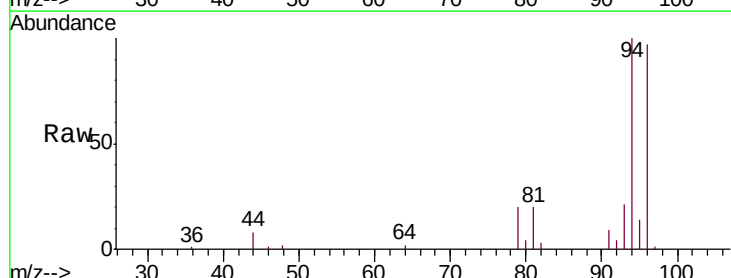
Acq: 23 Nov 2020 14:01

Tgt Ion: 94 Resp: 15190

Ion Ratio Lower Upper

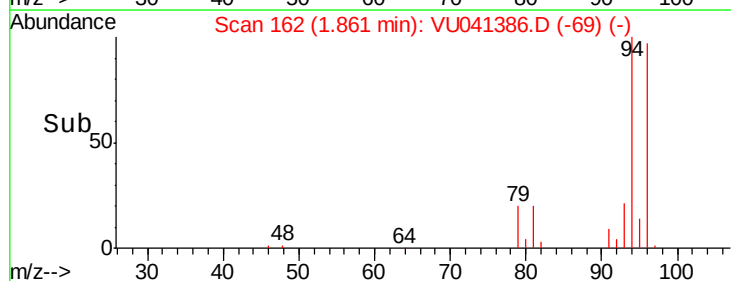
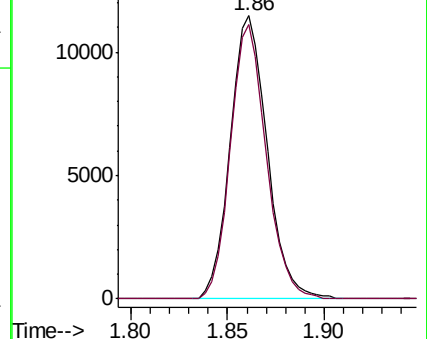
94 100

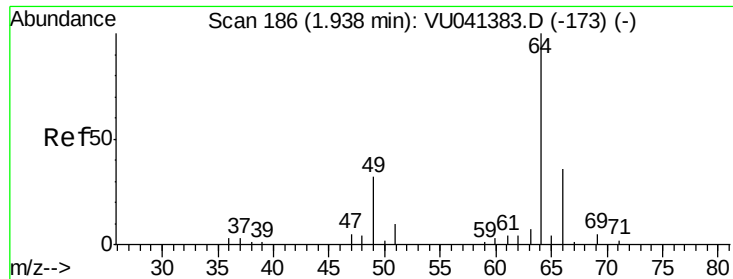
96 97.1 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

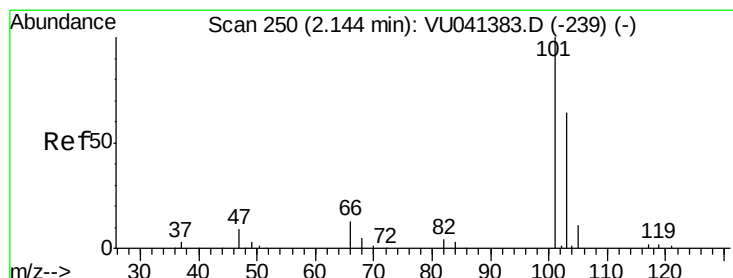
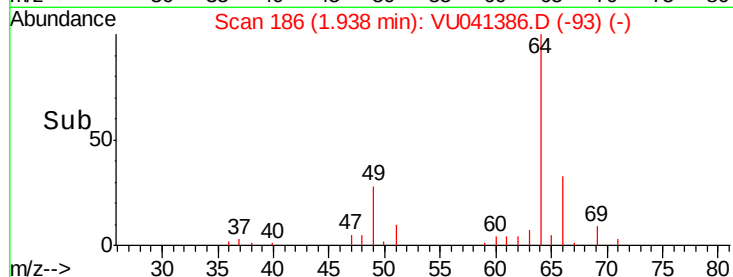
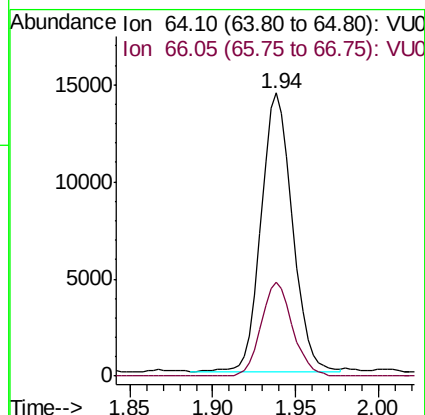
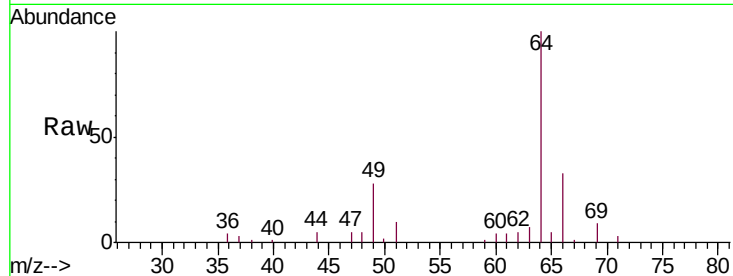




#8
Chloroethane
Concen: 4.691 ug/L
RT: 1.94 min Scan# 186
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

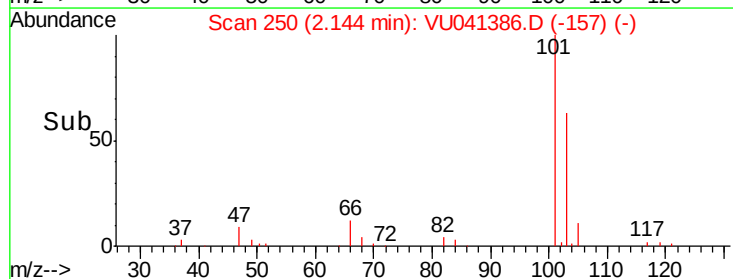
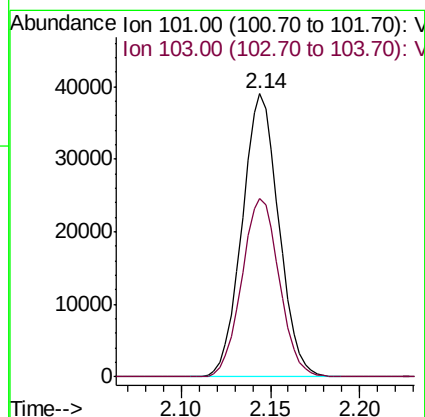
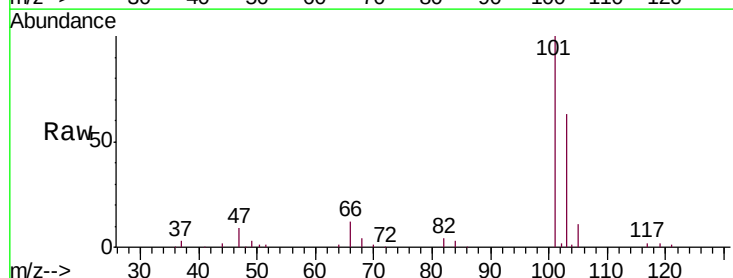
Instrument :
MSVOA_U
ClientSampleId :
VICV03

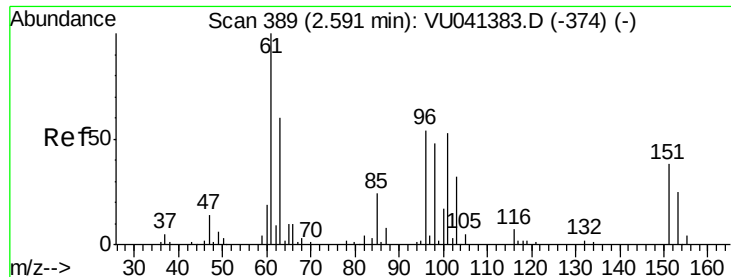
Tgt Ion: 64 Resp: 18958
Ion Ratio Lower Upper
64 100
66 33.1 24.6 45.8



#9
Trichlorofluoromethane
Concen: 5.083 ug/L
RT: 2.14 min Scan# 250
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

Tgt Ion: 101 Resp: 56117
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.2





#10

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

Concen: 5.198 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

Instrument :

MSVOA_U

ClientSampled :

VICV03

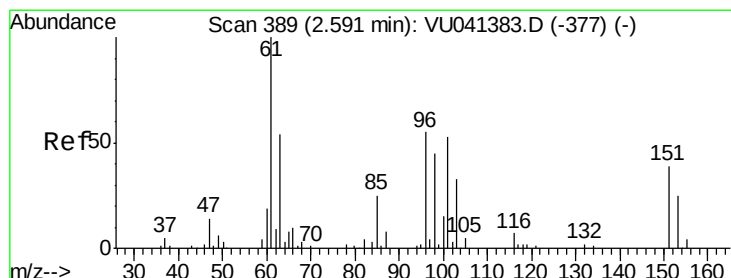
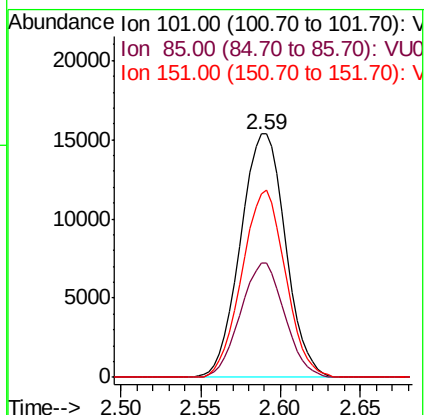
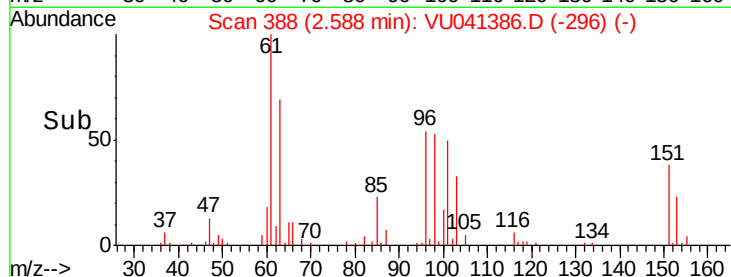
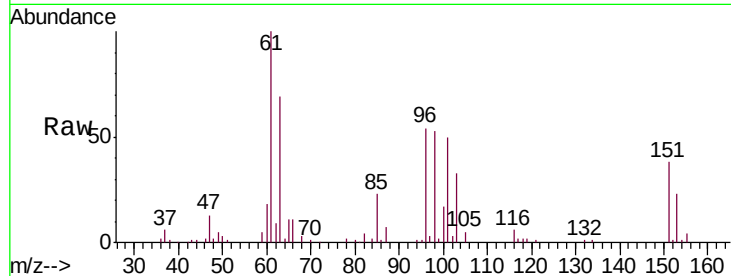
Tgt Ion: 101 Resp: 29560

Ion Ratio Lower Upper

101 100

85 45.9 35.1 52.7

151 74.2 56.2 84.2



#12

1,1-Dichloroethene

Concen: 5.439 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

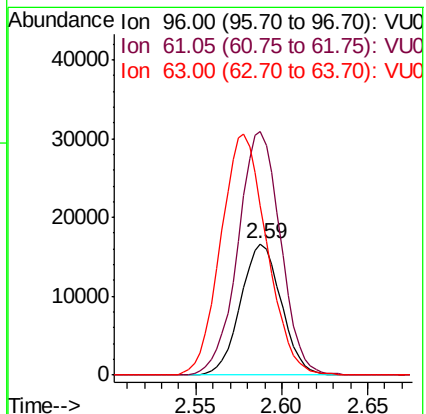
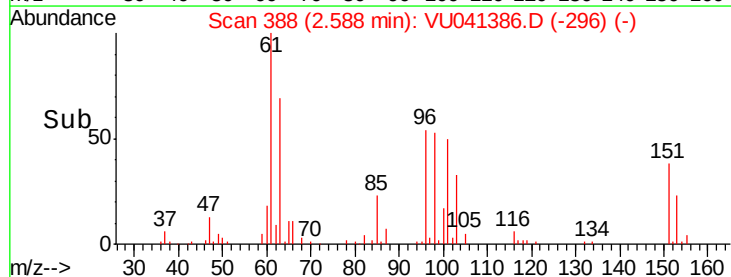
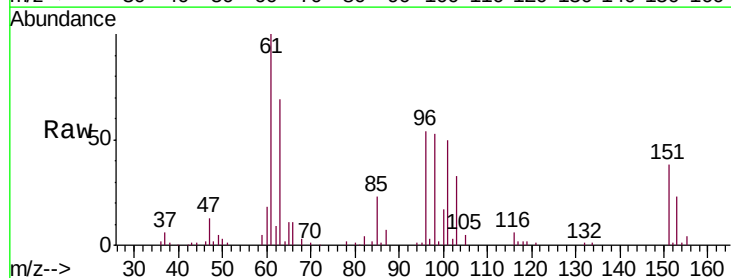
Tgt Ion: 96 Resp: 27321

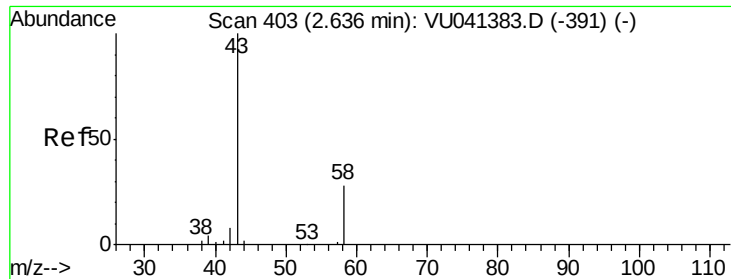
Ion Ratio Lower Upper

96 100

61 185.7 129.8 241.2

63 128.8 79.2 147.0





#13

Acetone

Concen: 50.834 ug/L

RT: 2.63 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

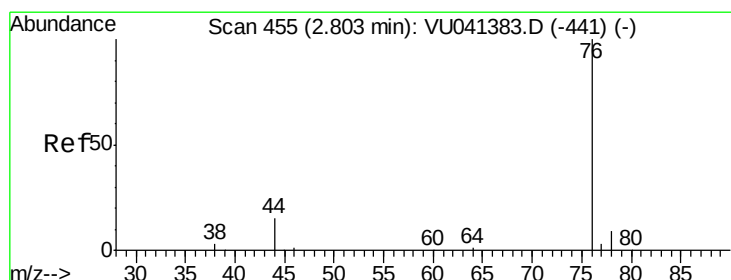
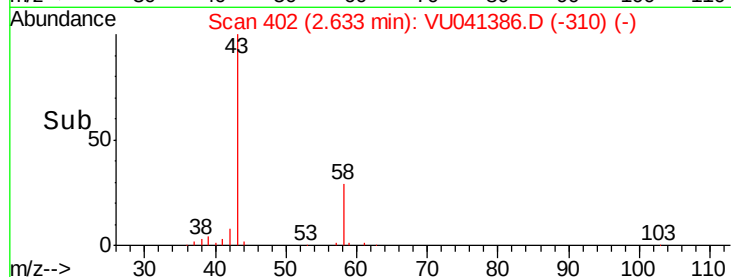
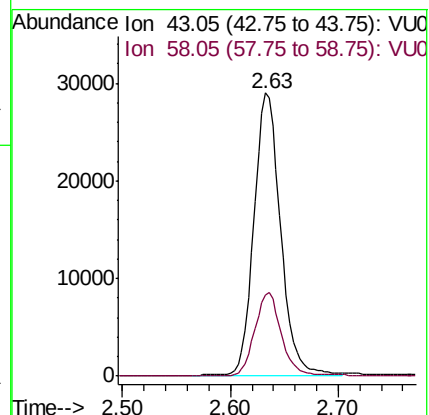
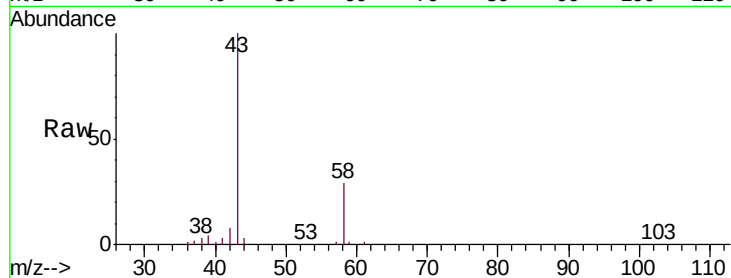
VICV03

Tgt Ion: 43 Resp: 50183

Ion Ratio Lower Upper

43 100

58 29.2 0.0 57.8



#14

Carbon disulfide

Concen: 5.194 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041386.D

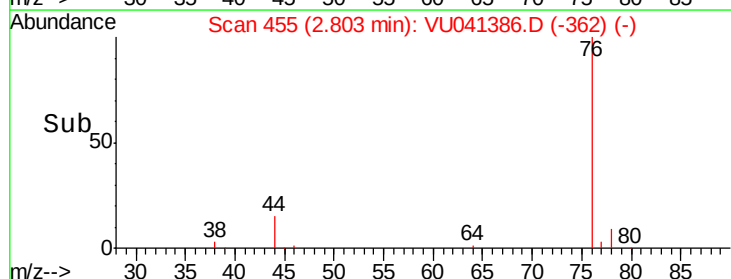
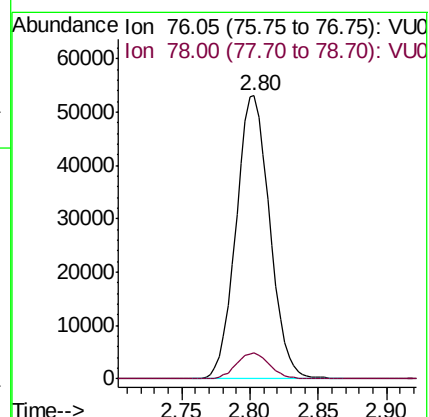
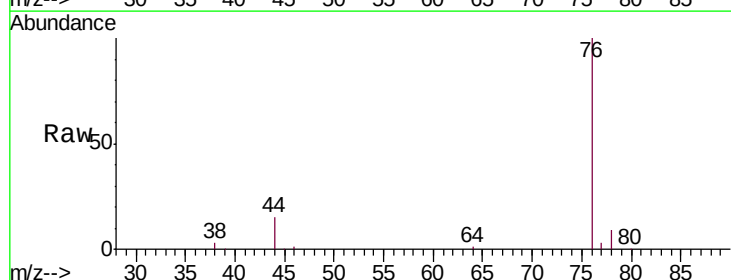
Acq: 23 Nov 2020 14:01

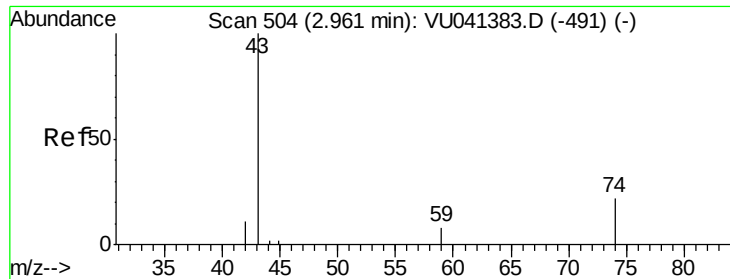
Tgt Ion: 76 Resp: 91136

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

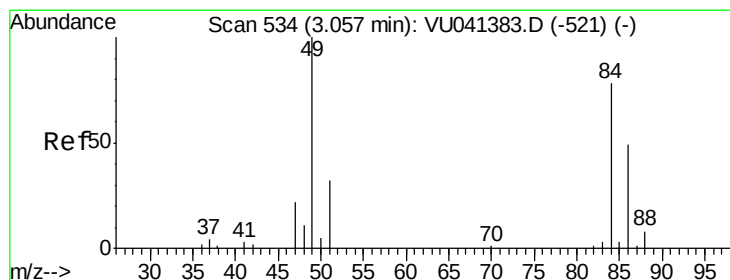
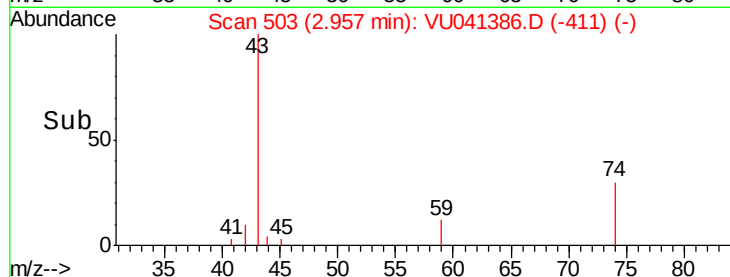
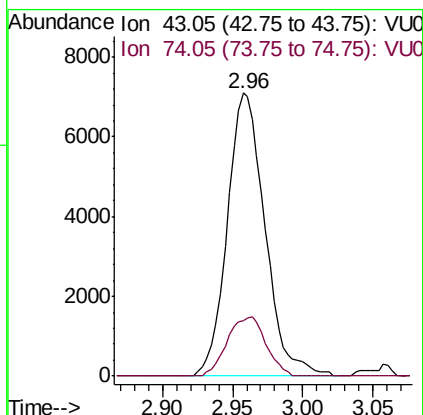
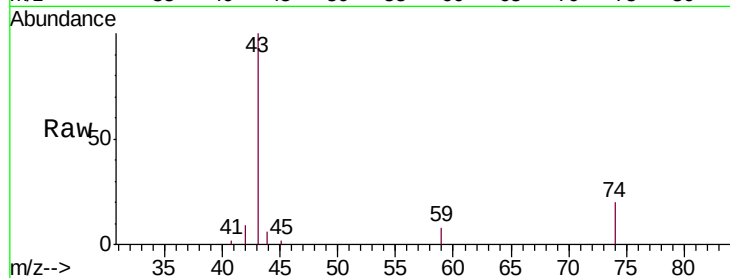




#15
Methyl Acetate
Concen: 5.708 ug/L
RT: 2.96 min Scan# 503
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

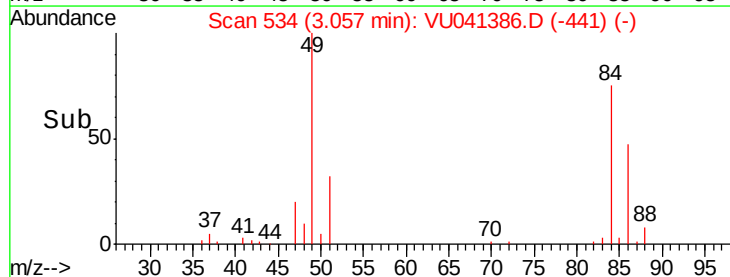
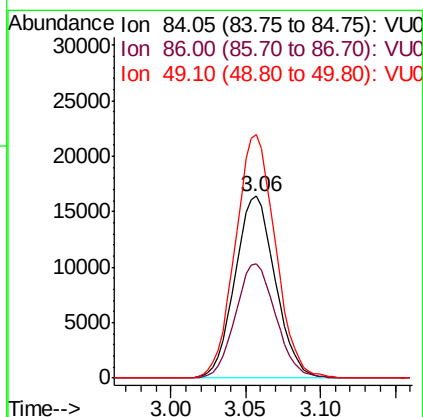
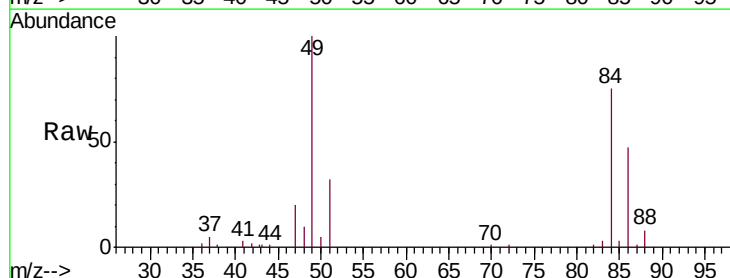
Instrument :
MSVOA_U
ClientSampleId :
VICV03

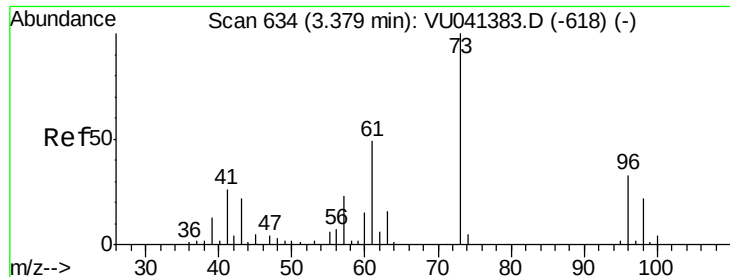
Tgt Ion: 43 Resp: 13275
Ion Ratio Lower Upper
43 100
74 21.4 17.0 25.6



#16
Methylene chloride
Concen: 4.286 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

Tgt Ion: 84 Resp: 30772
Ion Ratio Lower Upper
84 100
86 63.1 44.4 82.5
49 133.9 89.9 167.0

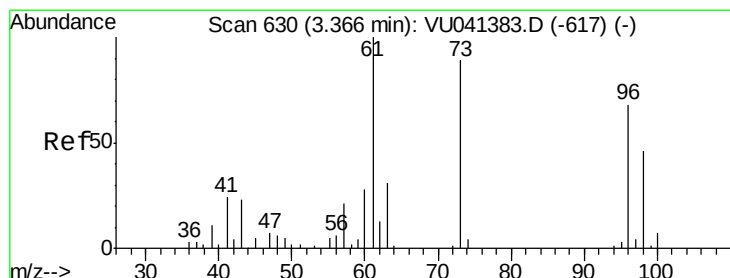
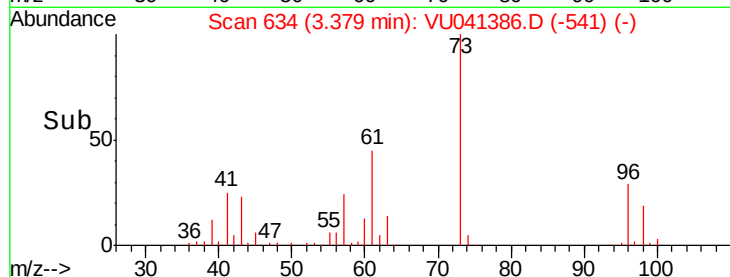
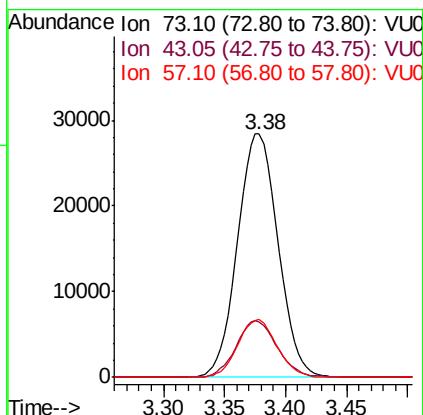
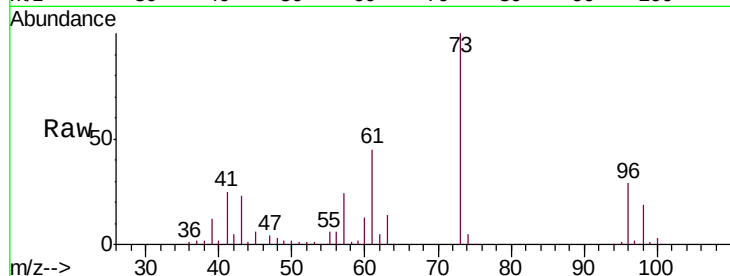




#17
Methyl tert-butyl Ether
Concen: 5.218 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

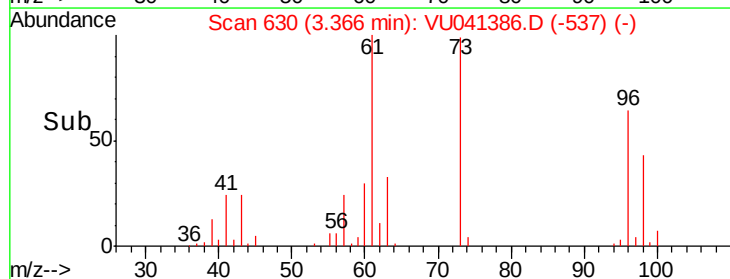
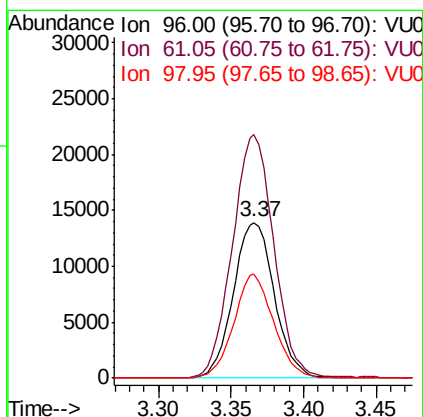
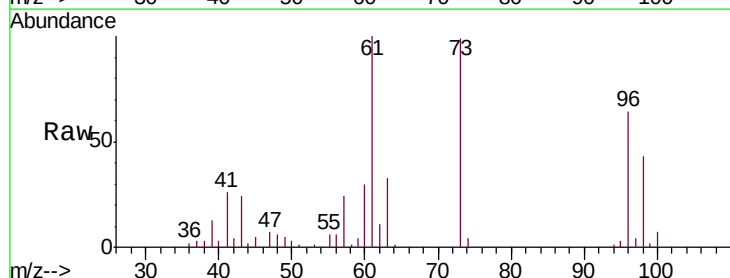
Instrument :
MSVOA_U
ClientSampled :
VICV03

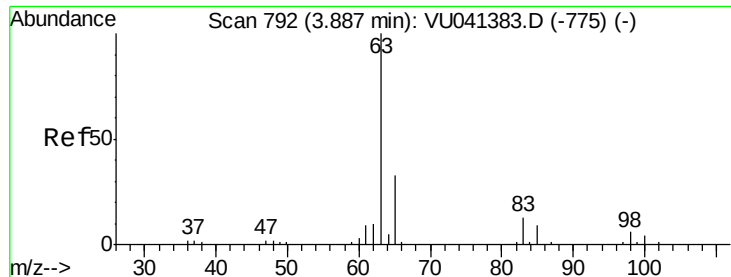
Tgt Ion: 73 Resp: 65278
Ion Ratio Lower Upper
73 100
43 23.4 18.3 27.5
57 22.8 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 5.009 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

Tgt Ion: 96 Resp: 27288
Ion Ratio Lower Upper
96 100
61 156.6 103.7 192.5
98 66.8 47.5 88.3

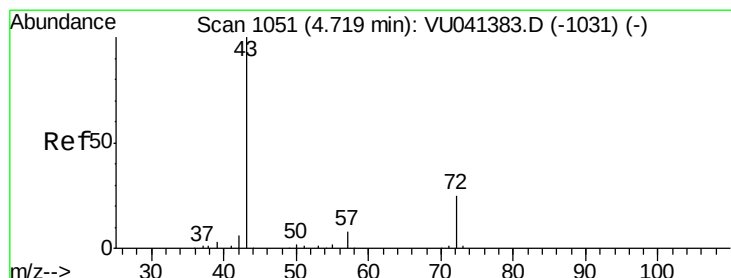
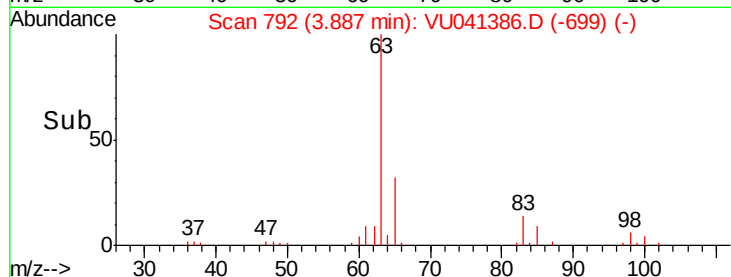
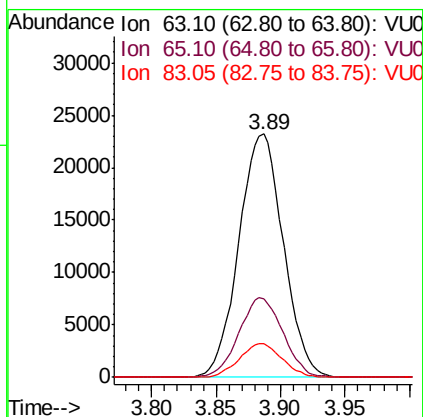
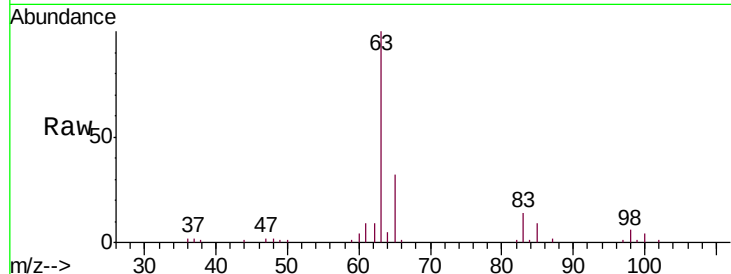




#19
 1,1-Dichloroethane
 Concen: 5.136 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

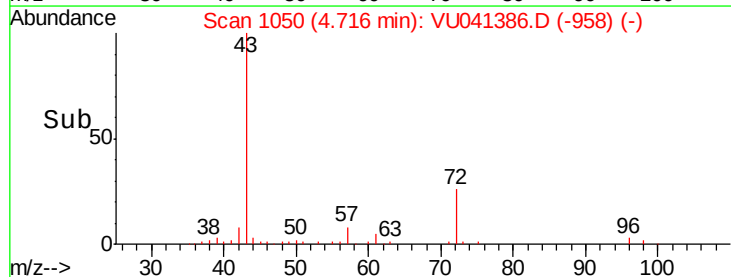
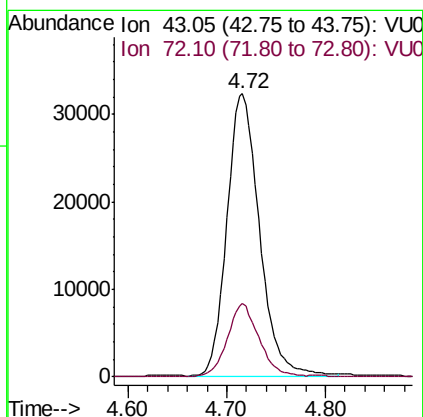
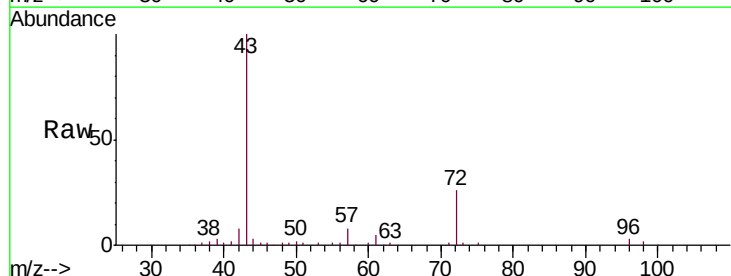
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

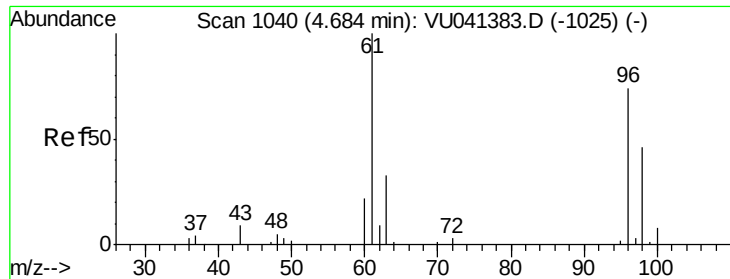
Tgt Ion: 63 Resp: 55666
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.0 42.8
 83 13.7 9.4 17.4



#21
 2-Butanone
 Concen: 47.358 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

Tgt Ion: 43 Resp: 74256
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.6 37.6





#22

cis-1,2-Dichloroethene

Concen: 4.883 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

VICV03

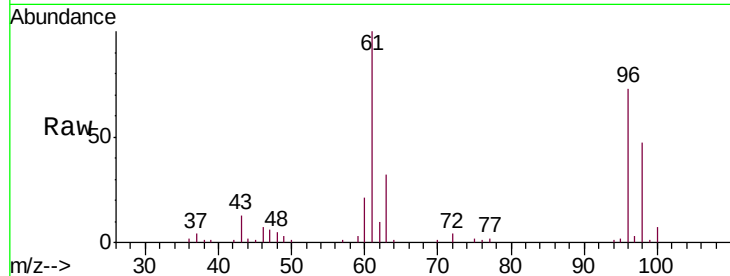
Tgt Ion: 96 Resp: 28291

Ion Ratio Lower Upper

96 100

61 136.3 95.3 176.9

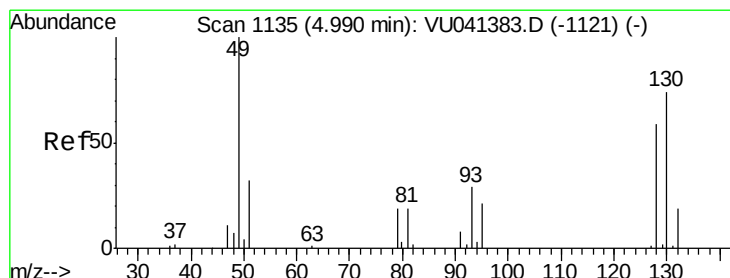
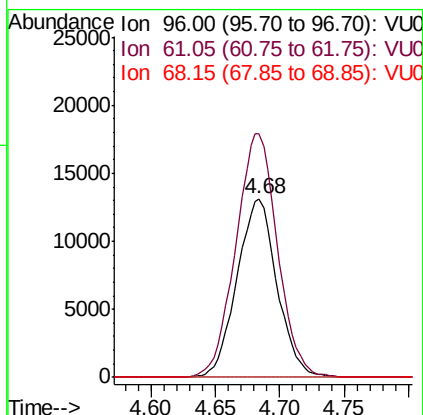
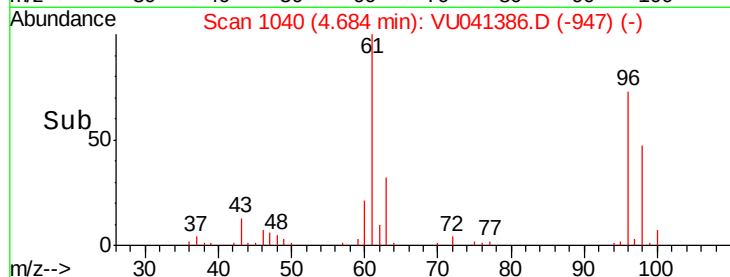
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.081 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

Tgt Ion: 128 Resp: 13001

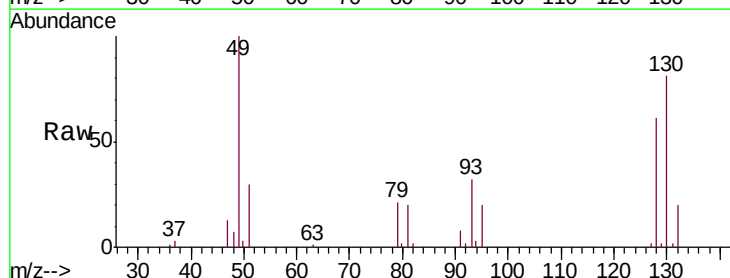
Ion Ratio Lower Upper

128 100

49 162.7 118.9 220.9

130 131.9 88.3 163.9

51 48.0 43.2 64.8

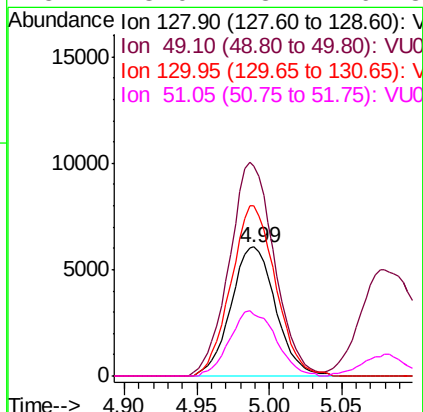
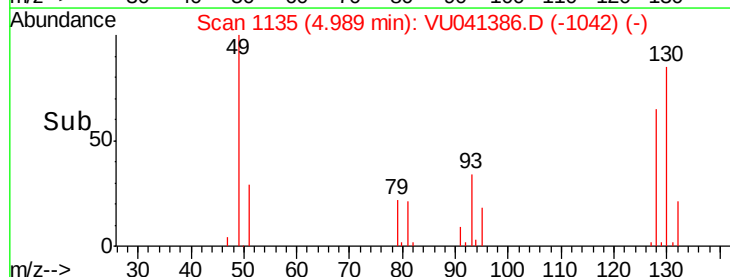


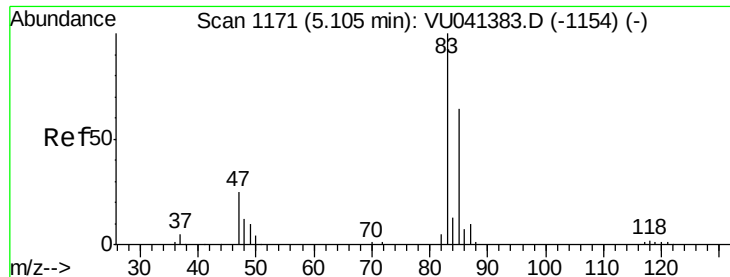
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

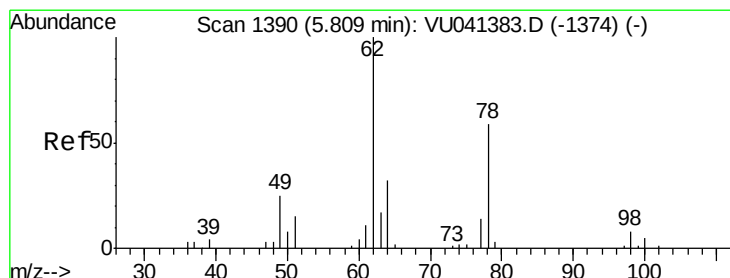
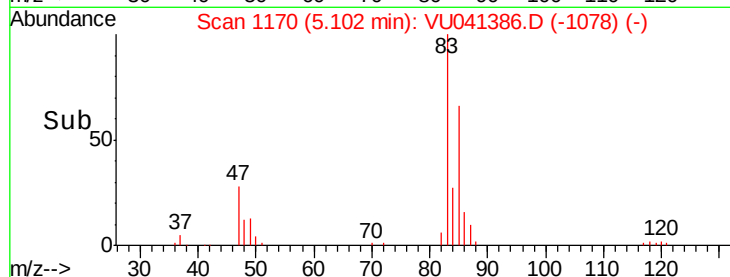
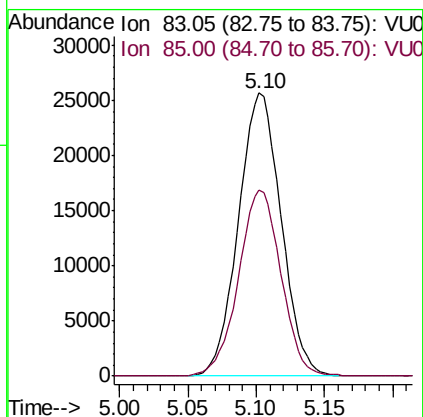
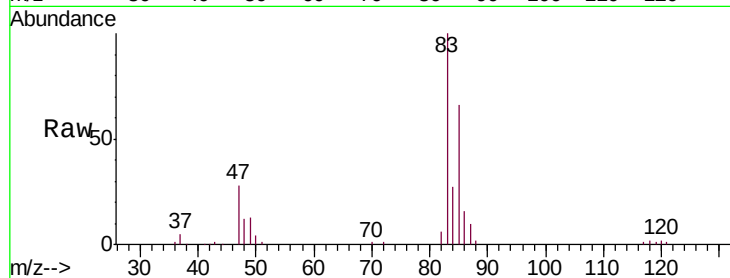




#25
Chloroform
Concen: 4.688 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

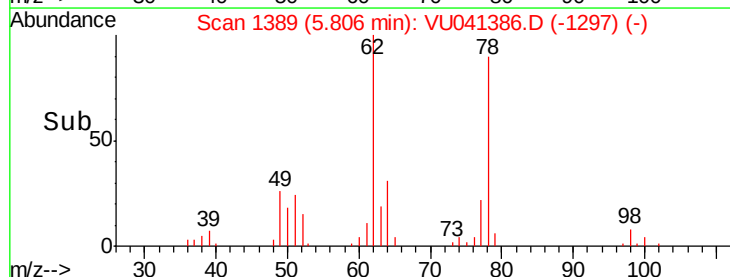
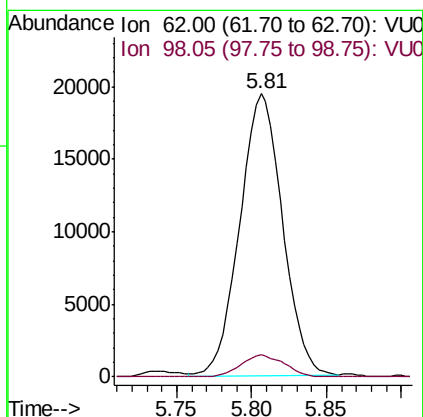
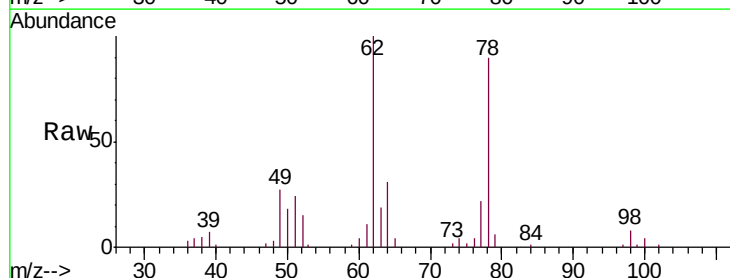
Instrument :
MSVOA_U
ClientSampleId :
VICV03

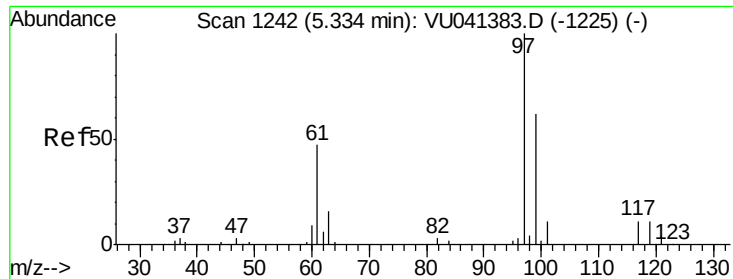
Tgt Ion: 83 Resp: 55823
Ion Ratio Lower Upper
83 100
85 65.9 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.969 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

Tgt Ion: 62 Resp: 38534
Ion Ratio Lower Upper
62 100
98 7.7 6.0 9.0

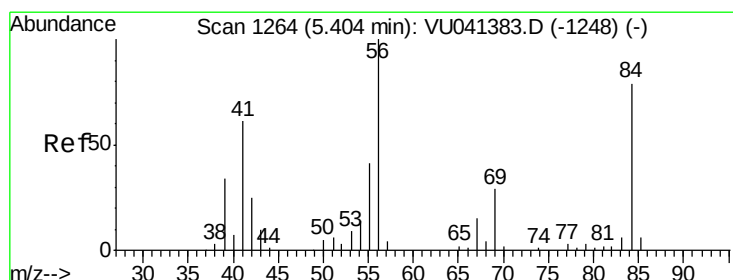
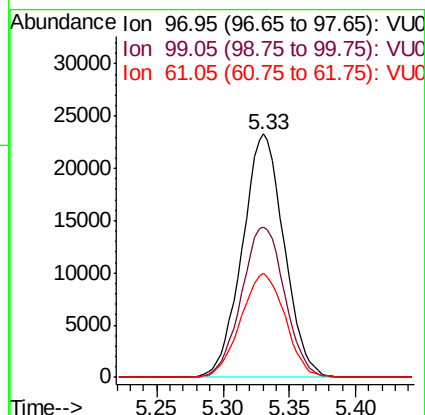
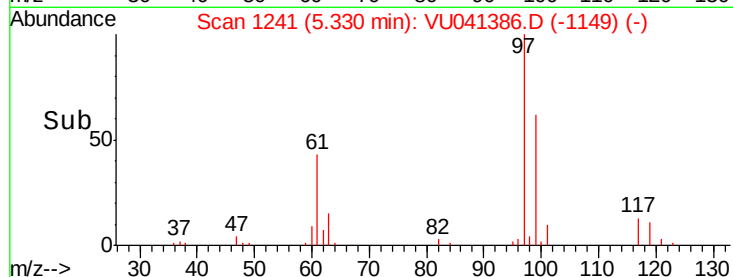
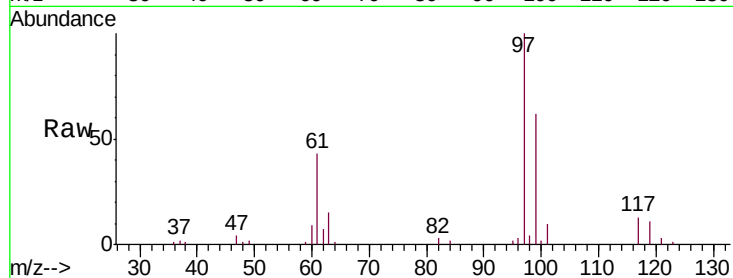




#29
 1,1,1-Trichloroethane
 Concen: 5.004 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

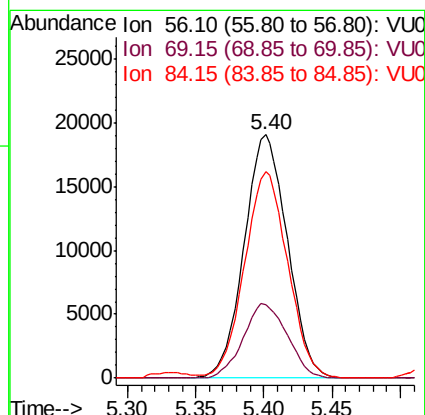
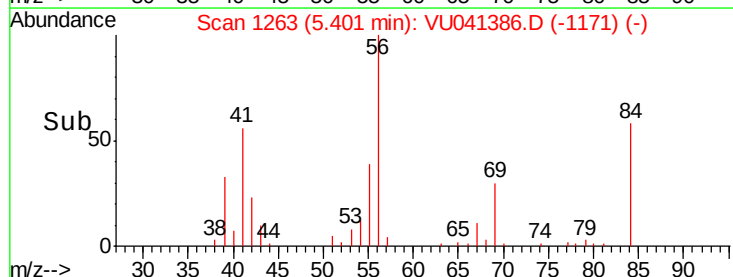
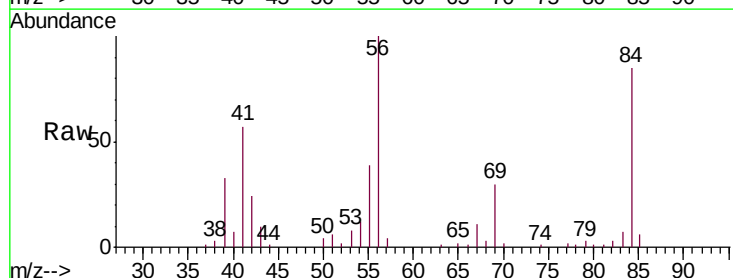
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

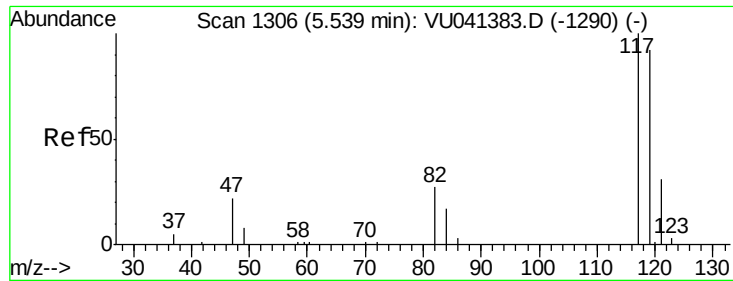
Tgt Ion: 97 Resp: 51103
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.8 77.6
 61 45.0 37.8 56.6



#30
 Cyclohexane
 Concen: 4.804 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

Tgt Ion: 56 Resp: 41835
 Ion Ratio Lower Upper
 56 100
 69 31.1 23.8 35.6
 84 85.3 64.6 97.0

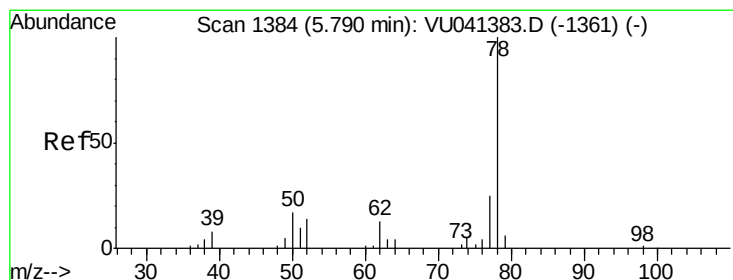
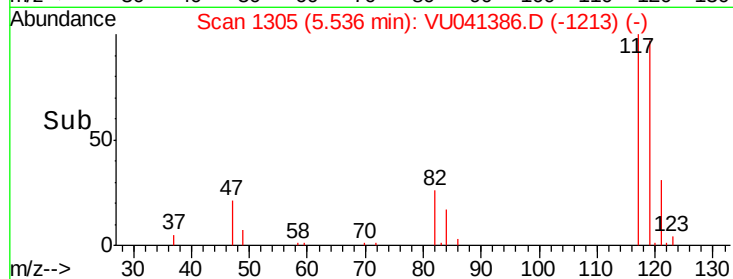
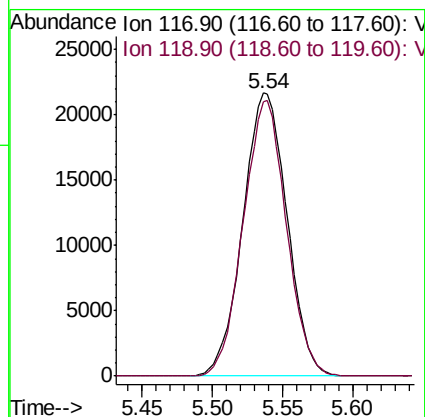
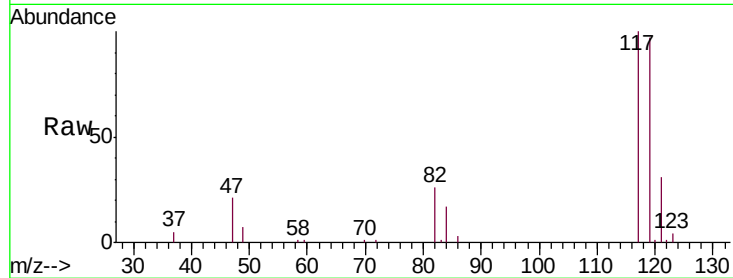




#31
Carbon tetrachloride
Concen: 5.168 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

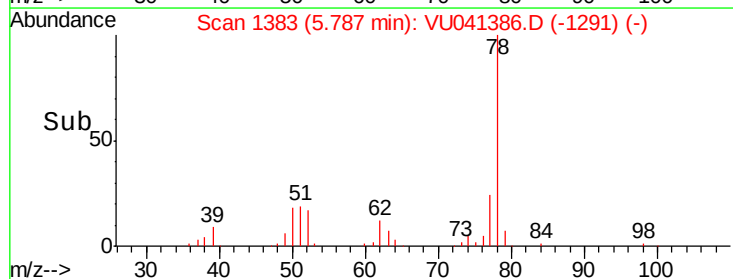
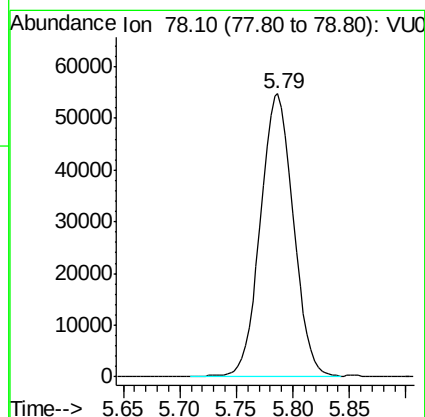
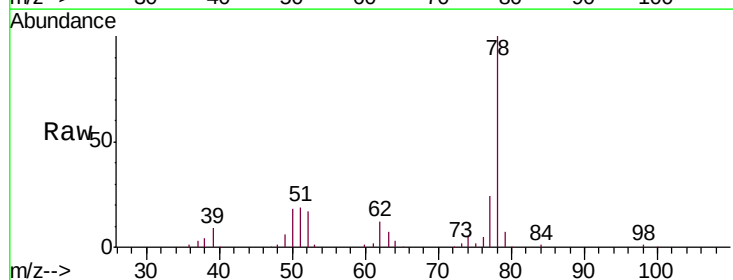
Instrument :
MSVOA_U
ClientSampleId :
VICV03

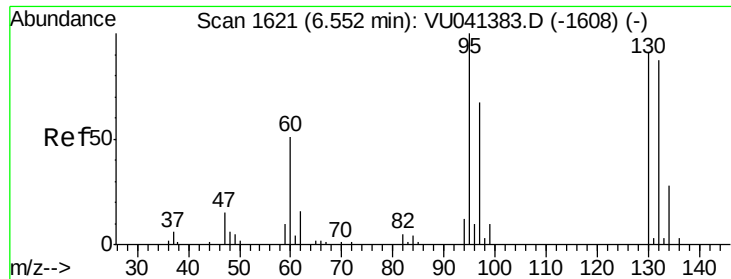
Tgt Ion:117 Resp: 47505
Ion Ratio Lower Upper
117 100
119 95.0 75.9 113.9



#33
Benzene
Concen: 5.077 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

Tgt Ion: 78 Resp: 111332

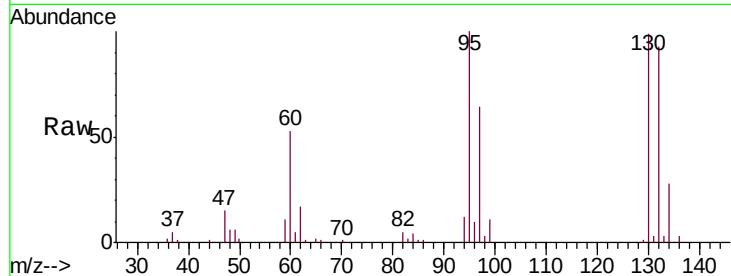




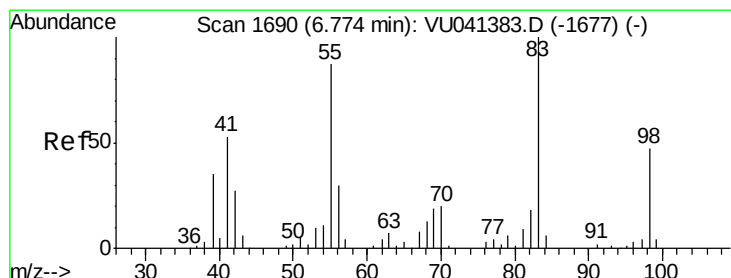
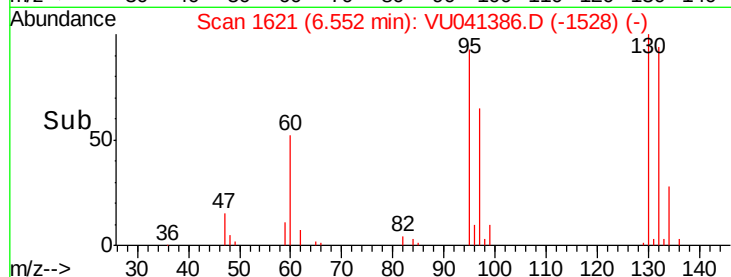
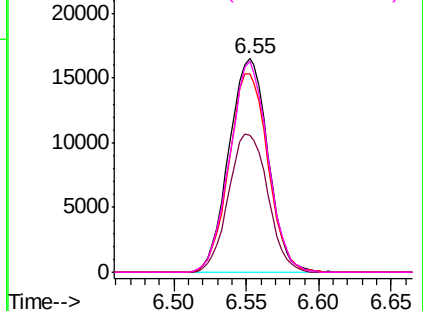
#34
 Trichloroethene
 Concen: 5.176 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Tgt Ion:	95	Resp:	30910
Ion	Ratio	Lower	Upper
95	100		
97	64.4	46.5	86.5
132	93.1	60.8	113.0
130	98.8	63.3	117.7

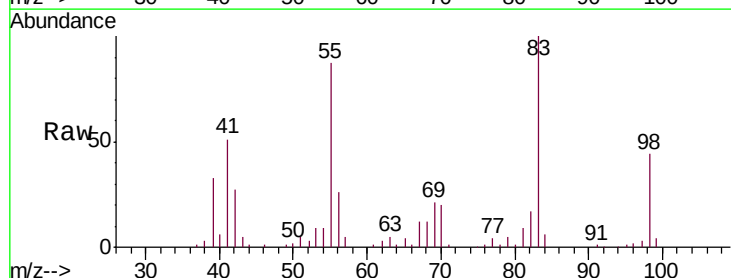


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

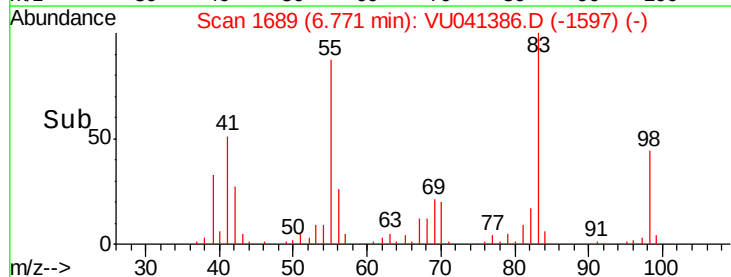
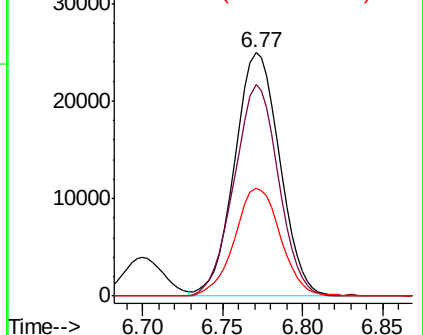


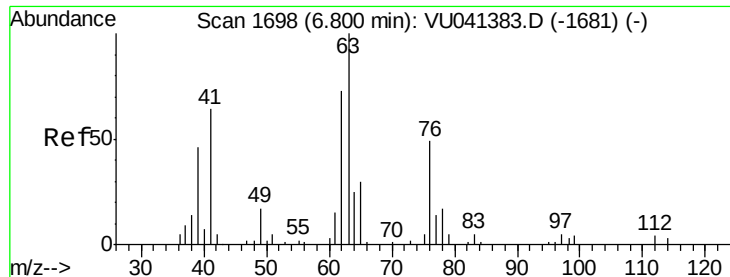
#35
 Methylcyclohexane
 Concen: 5.525 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

Tgt Ion:	83	Resp:	48108
Ion	Ratio	Lower	Upper
83	100		
55	85.3	68.4	102.6
98	45.1	36.5	54.7



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

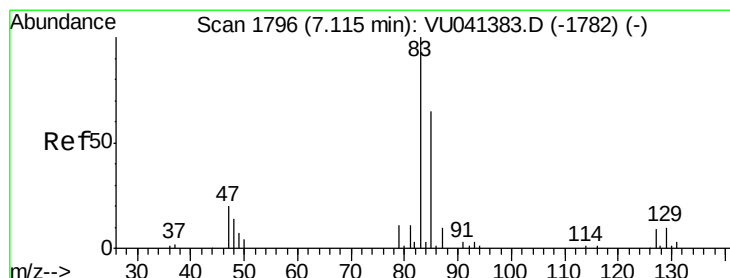
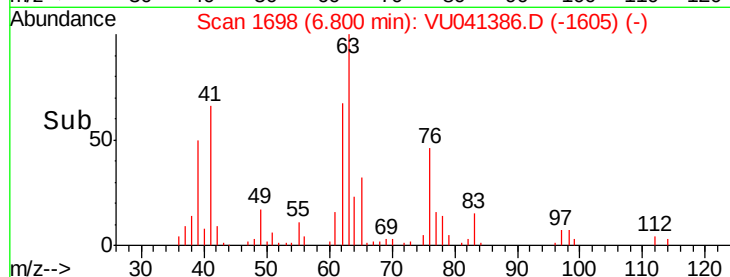
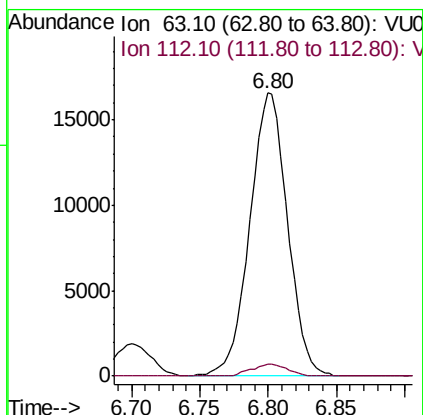
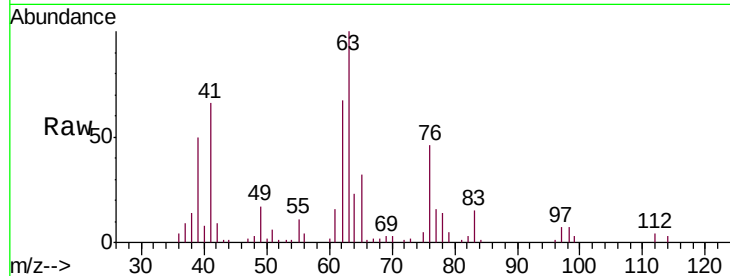




#37
 1,2-Dichloropropane
 Concen: 5.285 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

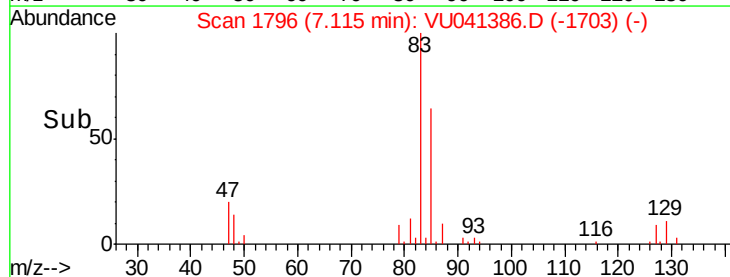
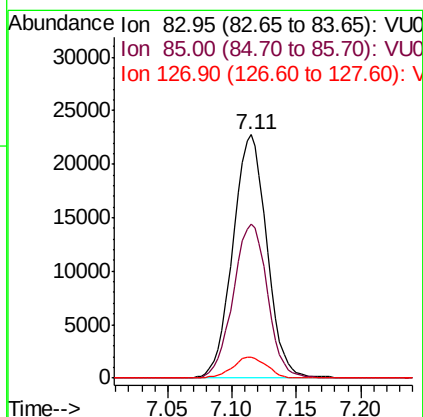
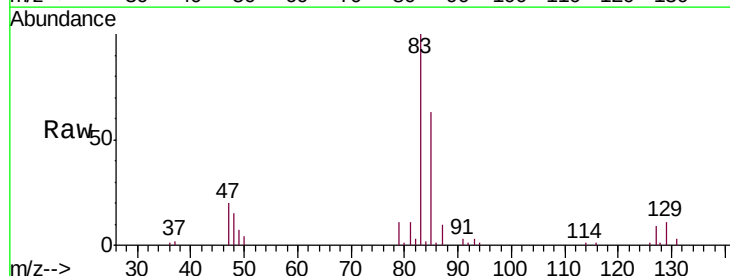
Instrument :
 MSVOA_U
 ClientSampled :
 VICV03

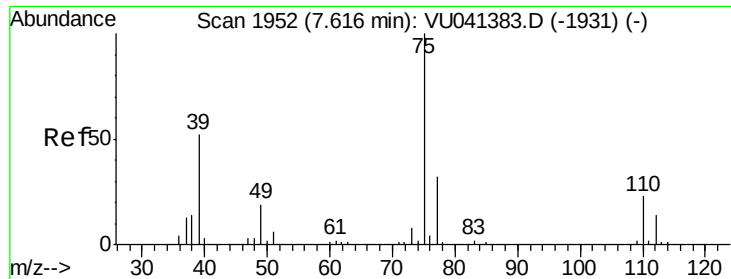
Tgt Ion: 63 Resp: 31794
 Ion Ratio Lower Upper
 63 100
 112 3.9 2.6 4.0



#38
 Bromodichloromethane
 Concen: 5.106 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

Tgt Ion: 83 Resp: 41599
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.7 84.9
 127 8.6 7.1 10.7

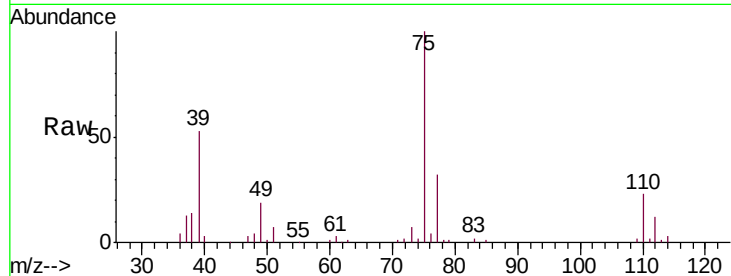




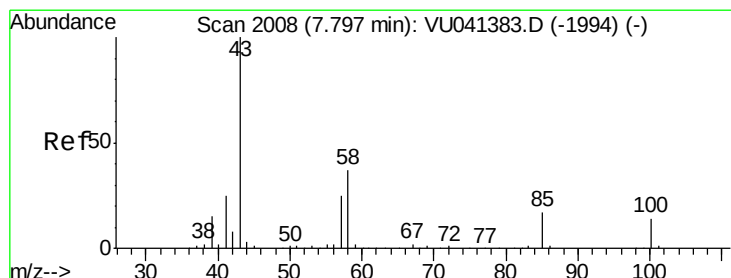
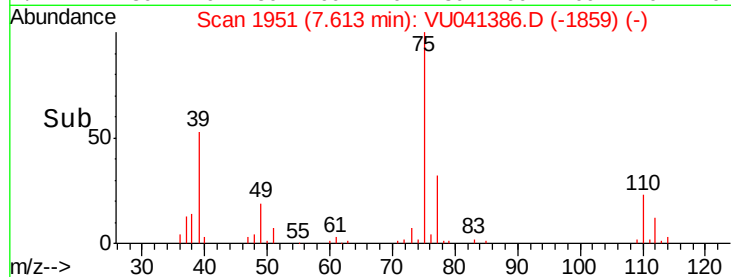
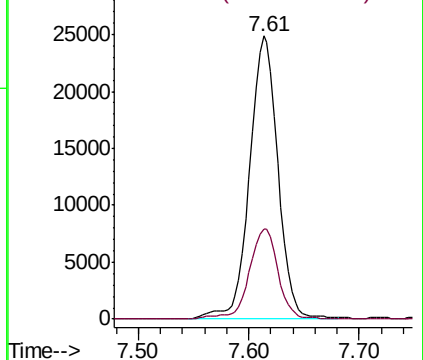
#39
 cis-1,3-Dichloropropene
 Concen: 5.351 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

Instrument :
 MSVOA_U
 ClientSampled :
 VICV03

Tgt Ion: 75 Resp: 44434
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.1 41.1

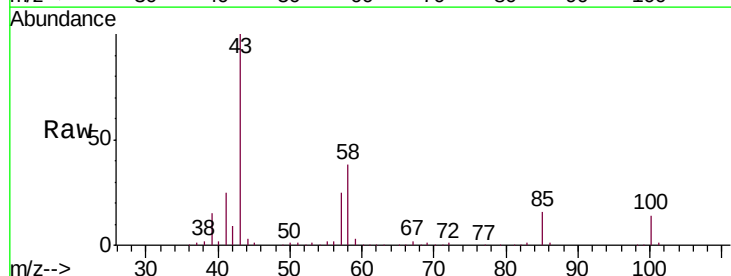


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

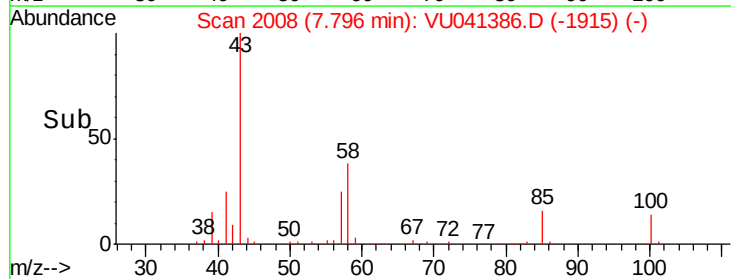
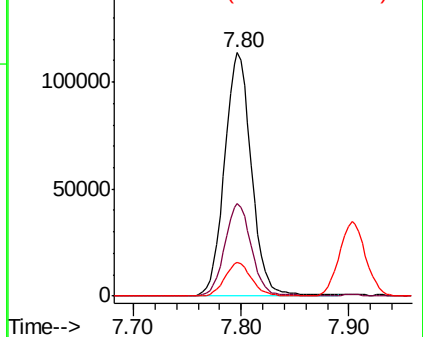


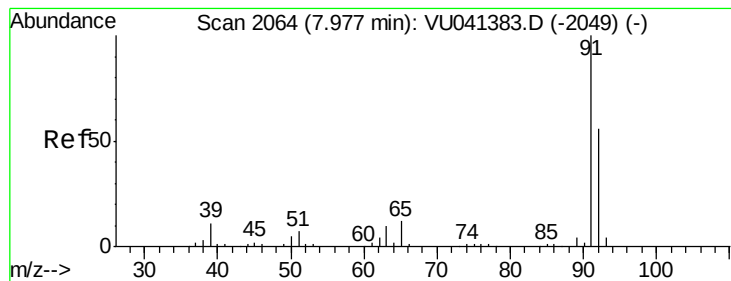
#40
 4-Methyl-2-pentanone
 Concen: 53.685 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

Tgt Ion: 43 Resp: 198164
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.8 44.8
 100 13.6 10.9 16.3



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





#42

Toluene

Concen: 5.424 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

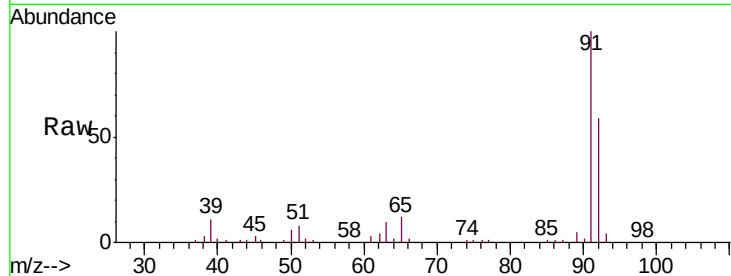
VICV03

Tgt Ion: 91 Resp: 126811

Ion Ratio Lower Upper

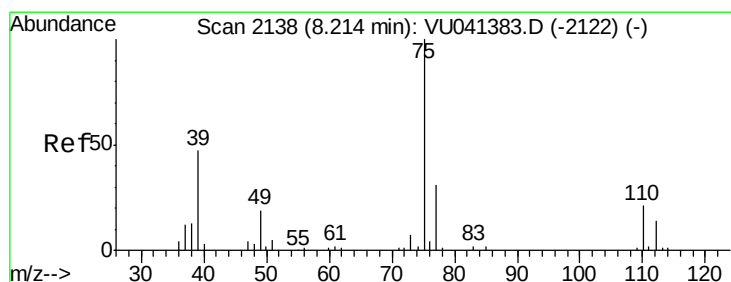
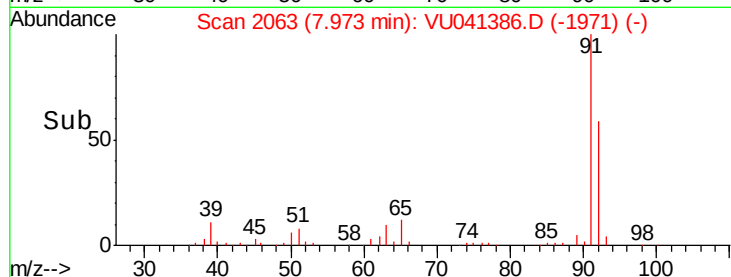
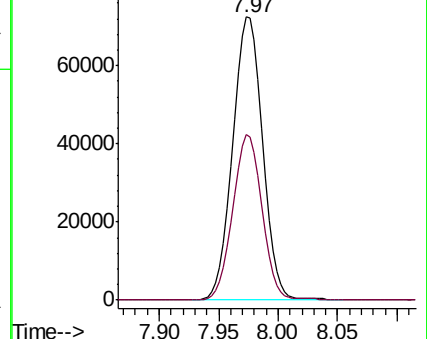
91 100

92 58.6 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.400 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041386.D

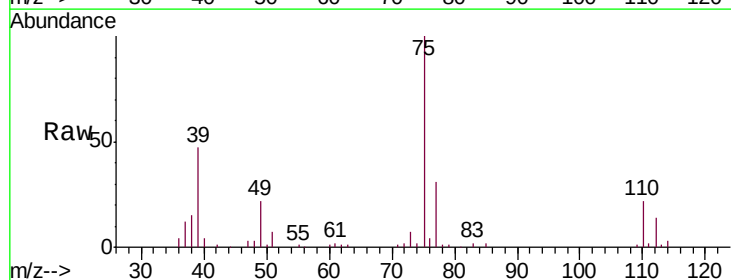
Acq: 23 Nov 2020 14:01

Tgt Ion: 75 Resp: 40917

Ion Ratio Lower Upper

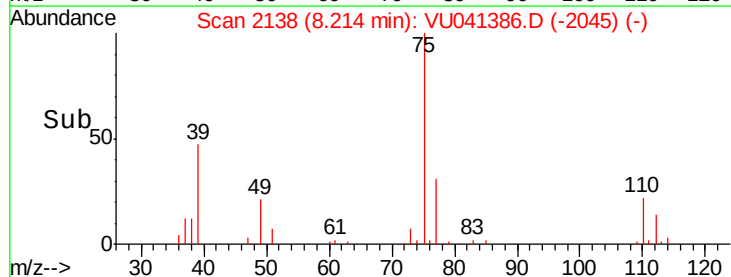
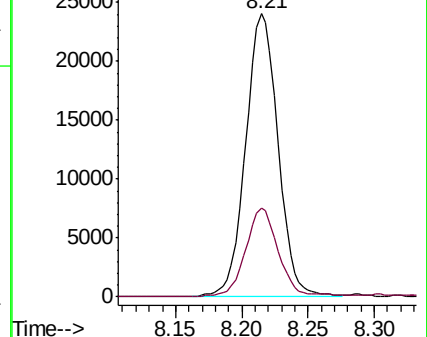
75 100

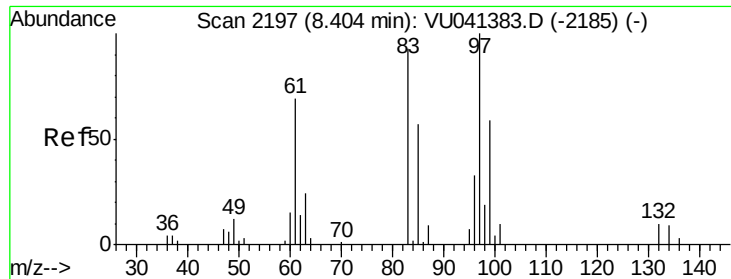
77 31.3 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

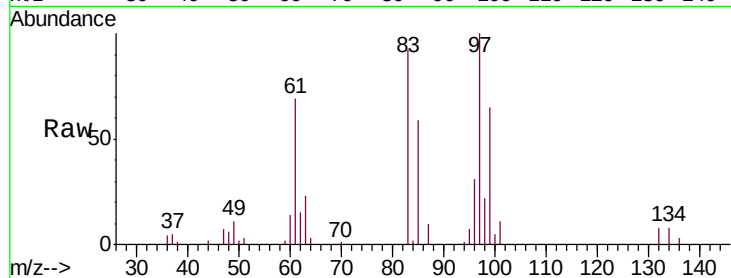




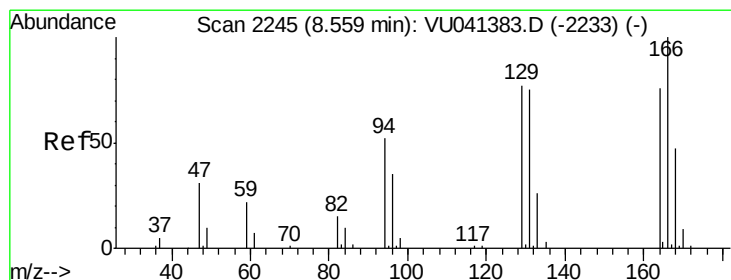
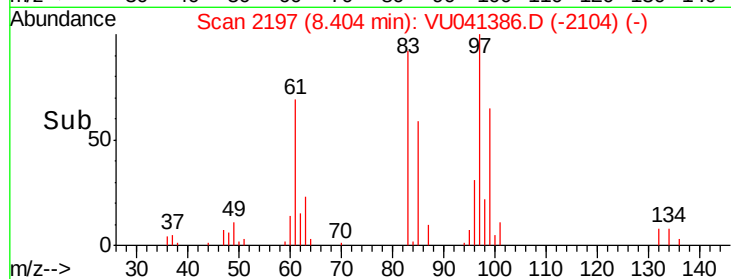
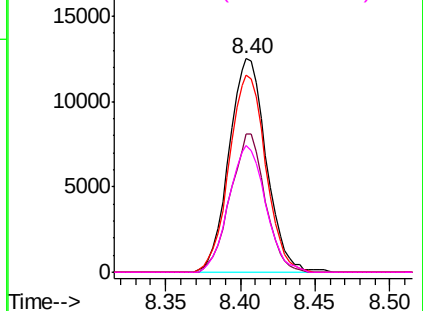
#45
 1,1,2-Trichloroethane
 Concen: 5.255 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Tgt Ion:	97	Resp:	21667
Ion	Ratio	Lower	Upper
97	100		
99	64.9	41.5	77.1
83	92.3	65.5	121.6
85	59.1	40.1	74.5

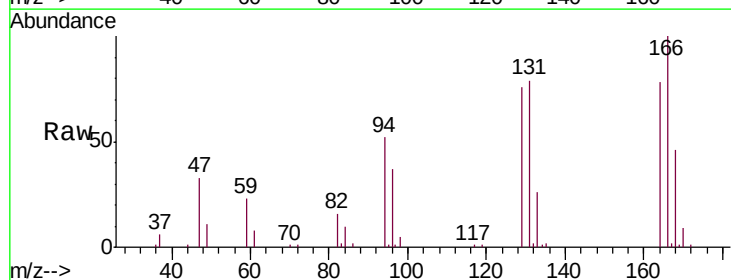


Abundance Ion 96.95 (96.65 to 97.65): VU041386.D (-2104) (-)
 Ion 99.05 (98.75 to 99.75): VU041386.D (-2104) (-)
 Ion 82.95 (82.65 to 83.65): VU041386.D (-2104) (-)
 Ion 85.00 (84.70 to 85.70): VU041386.D (-2104) (-)

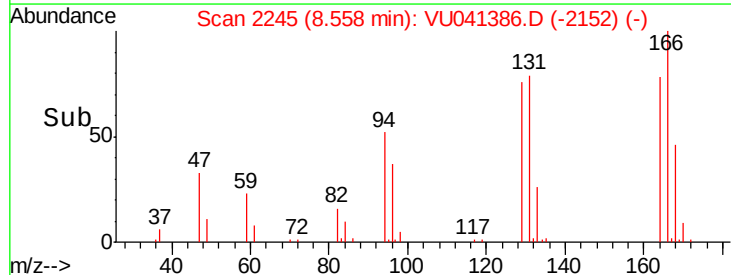
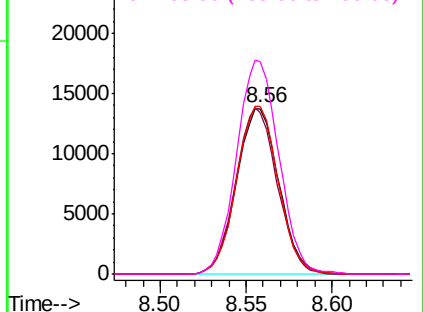


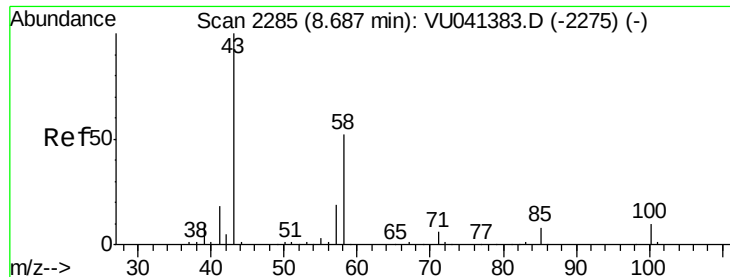
#47
 Tetrachloroethene
 Concen: 5.266 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

Tgt Ion:	164	Resp:	23544
Ion	Ratio	Lower	Upper
164	100		
129	97.6	71.0	131.9
131	101.4	69.0	128.1
166	128.5	92.4	171.6



Abundance Ion 163.90 (163.60 to 164.60): VU041386.D (-2152) (-)
 Ion 128.95 (128.65 to 129.65): VU041386.D (-2152) (-)
 Ion 130.95 (130.65 to 131.65): VU041386.D (-2152) (-)
 Ion 165.90 (165.60 to 166.60): VU041386.D (-2152) (-)

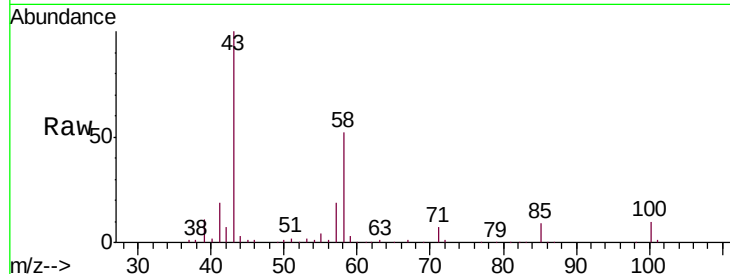




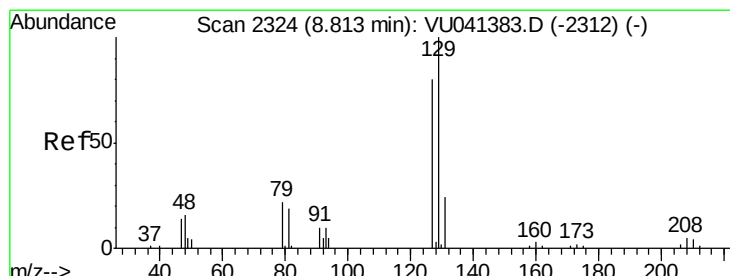
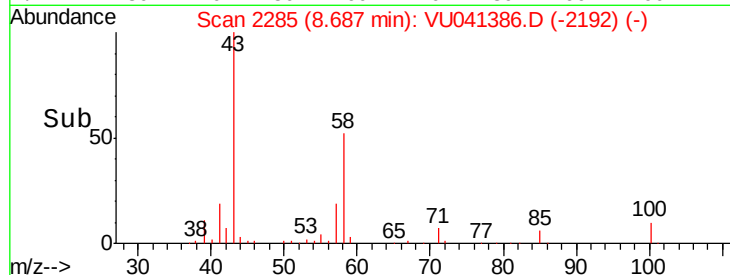
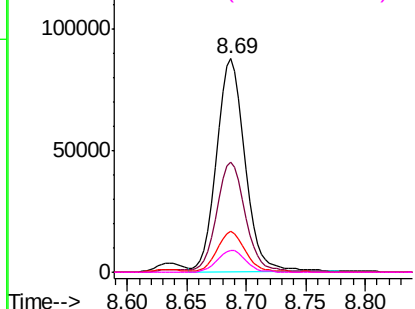
#48
2-Hexanone
Concen: 53.454 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

Instrument :
MSVOA_U
ClientSampleId :
VICV03

Tgt Ion:	43	Resp:	144751
Ion	Ratio	Lower	Upper
43	100		
58	51.7	42.0	63.0
57	18.9	15.0	22.4
100	10.3	8.4	12.6

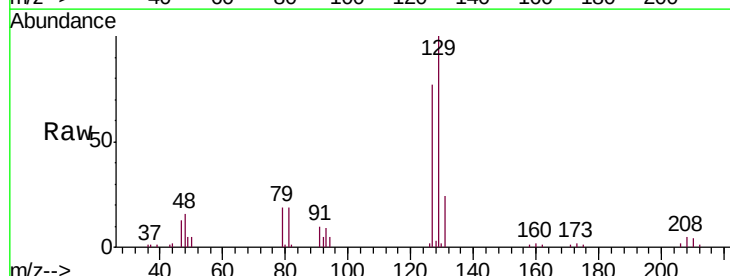


Abundance Ion 43.05 (42.75 to 43.75): VU041386.D (-2192) (-)
Ion 58.05 (57.75 to 58.75): VU041386.D (-2192) (-)
Ion 57.20 (56.90 to 57.90): VU041386.D (-2192) (-)
Ion 100.15 (99.85 to 100.85): VU041386.D (-2192) (-)

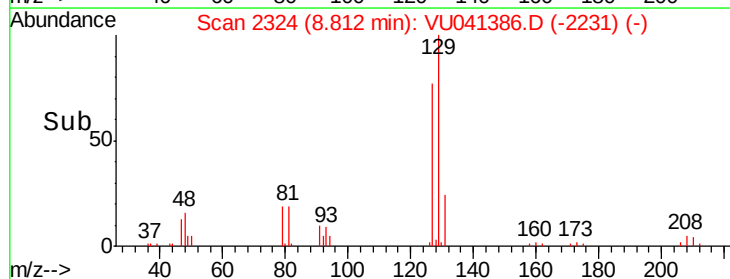
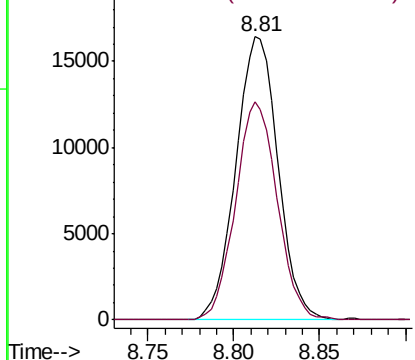


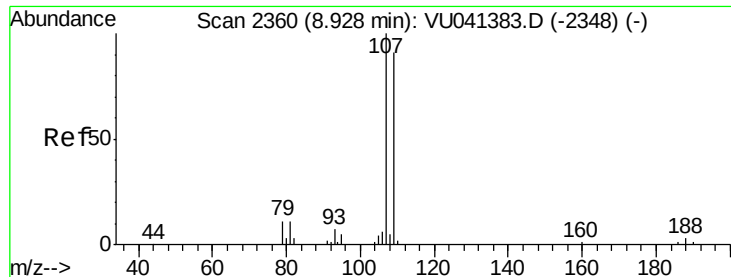
#49
Dibromochloromethane
Concen: 5.323 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

Tgt Ion:	129	Resp:	27947
Ion	Ratio	Lower	Upper
129	100		
127	77.1	55.6	103.4



Abundance Ion 128.95 (128.65 to 129.65): VU041386.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU041386.D (-2231) (-)

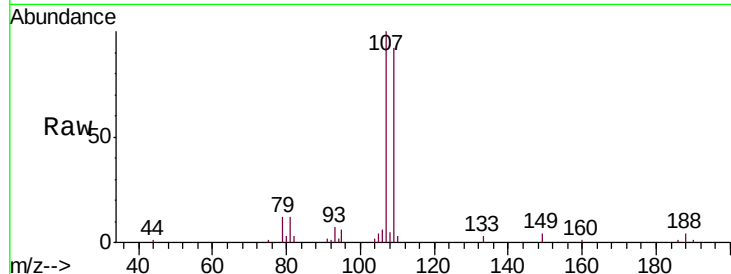




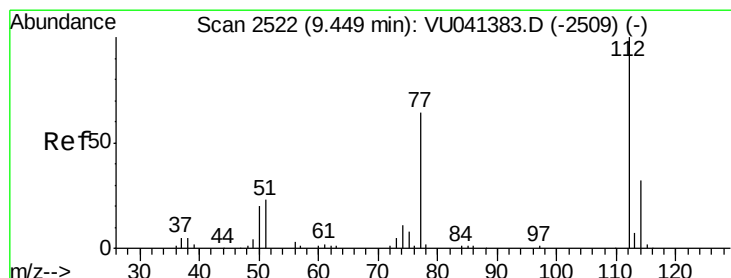
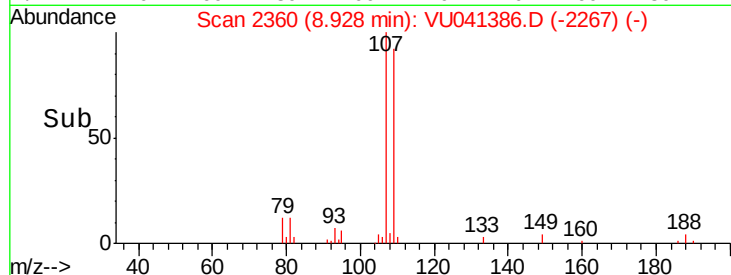
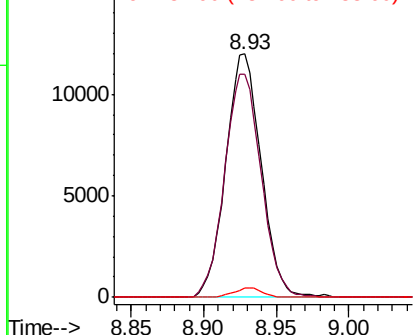
#50
1,2-Dibromoethane
Concen: 5.163 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

Instrument :
MSVOA_U
ClientSampleId :
VICV03

Tgt Ion:107 Resp: 20358
Ion Ratio Lower Upper
107 100
109 91.8 63.4 117.8
188 3.7 2.2 3.4#

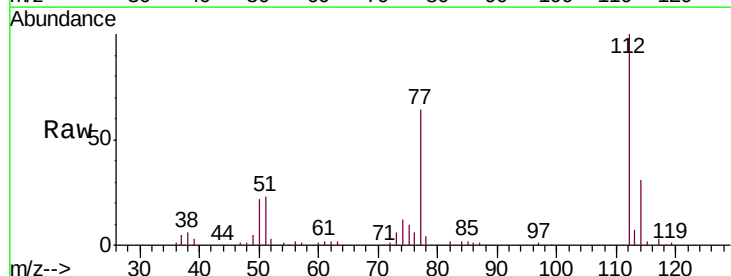


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

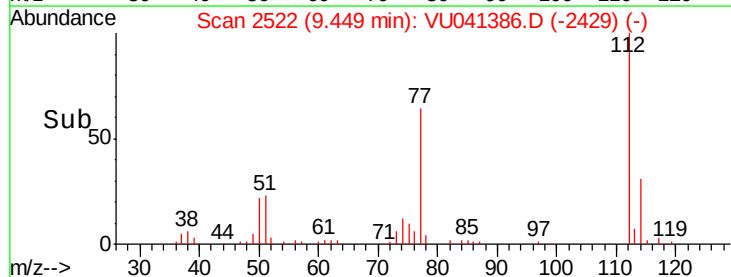
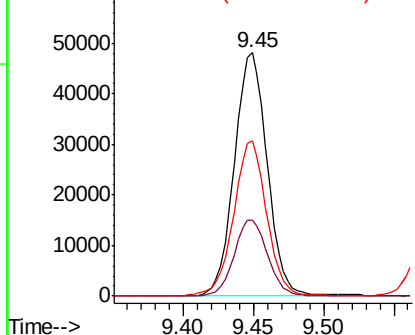


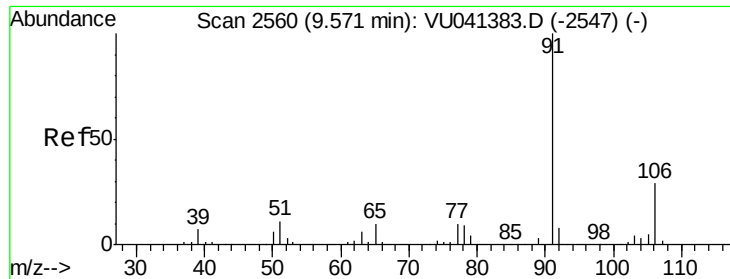
#51
Chlorobenzene
Concen: 5.210 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

Tgt Ion:112 Resp: 78846
Ion Ratio Lower Upper
112 100
114 31.4 22.3 41.3
77 63.6 52.2 78.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 5.446 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

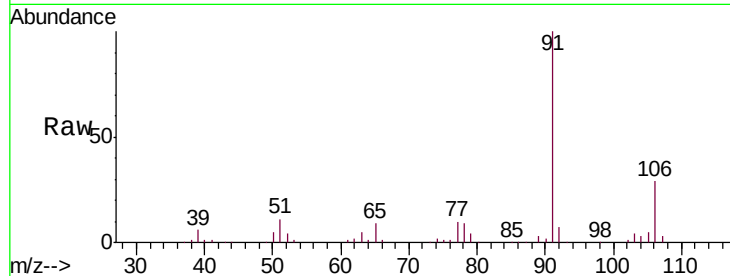
VICV03

Tgt Ion: 91 Resp: 136109

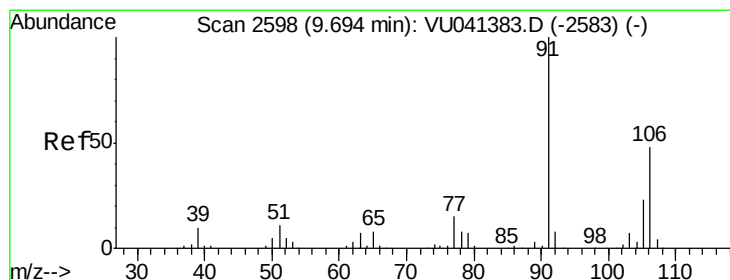
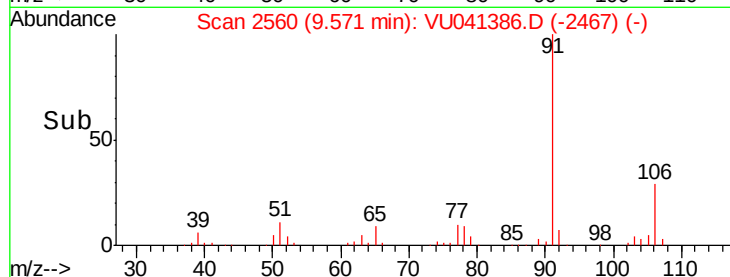
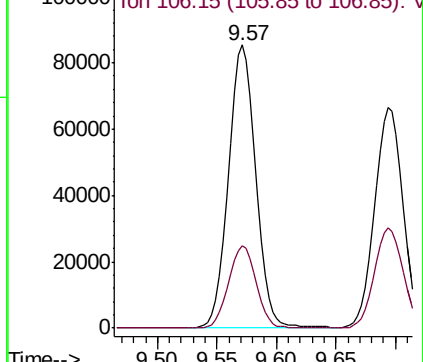
Ion Ratio Lower Upper

91 100

106 29.1 20.6 38.2



Abundance Ion 91.15 (90.85 to 91.85): VU041386.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.570 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU041386.D

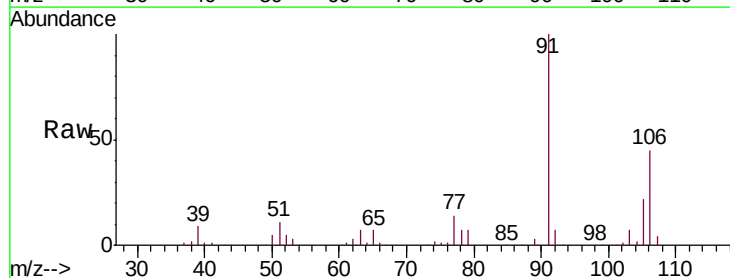
Acq: 23 Nov 2020 14:01

Tgt Ion: 106 Resp: 50978

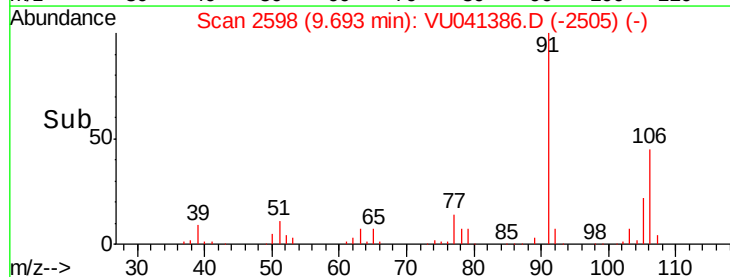
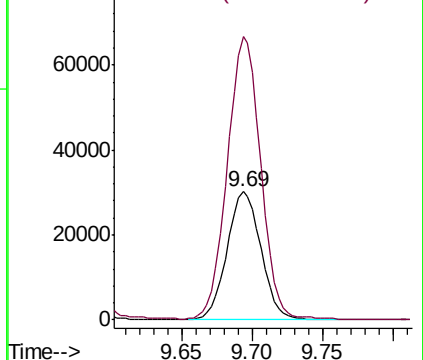
Ion Ratio Lower Upper

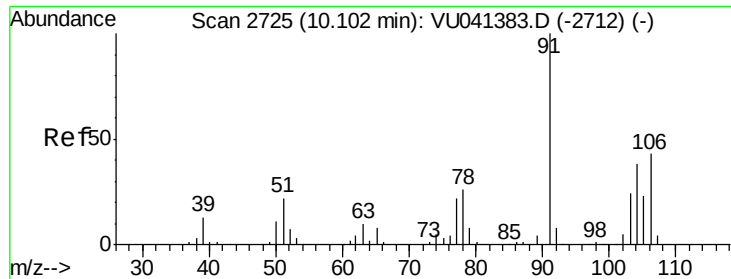
106 100

91 221.0 145.0 269.4



Abundance Ion 106.15 (105.85 to 106.85): VU041386.D (-2598) (-)

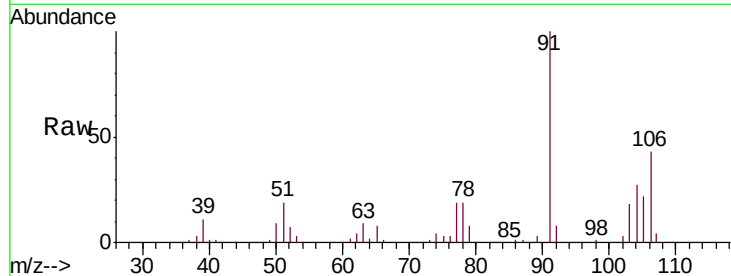




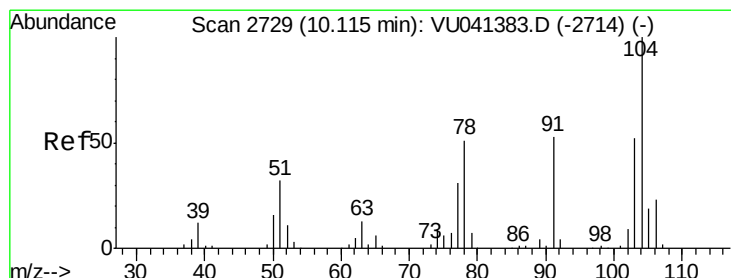
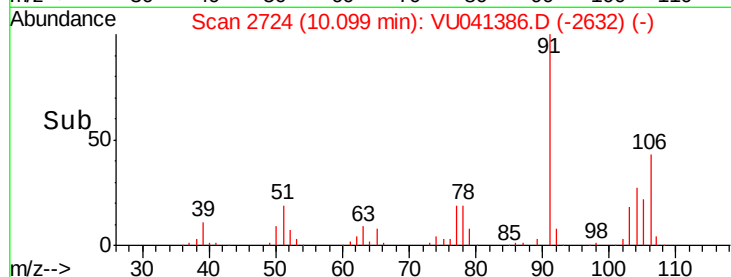
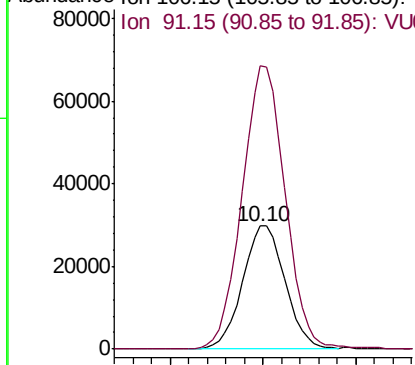
#54
o-Xylene
Concen: 5.365 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

Instrument :
MSVOA_U
ClientSampleId :
VICV03

Tgt Ion:106 Resp: 47304
Ion Ratio Lower Upper
106 100
91 230.2 162.0 300.8

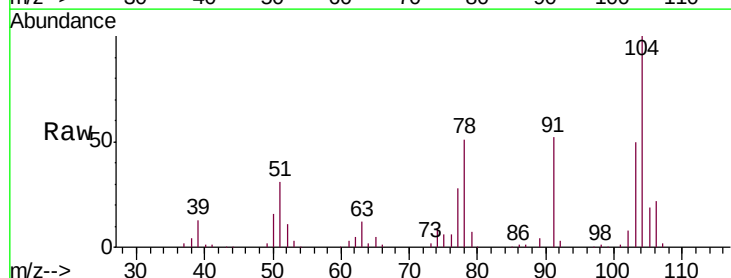


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

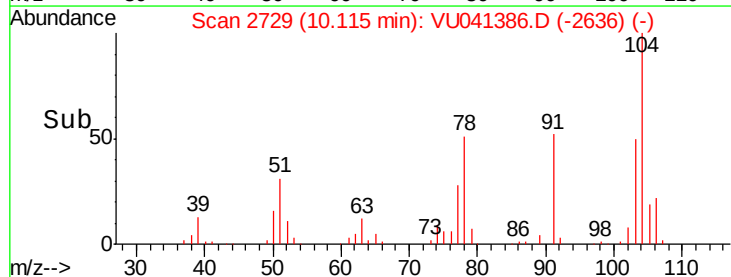
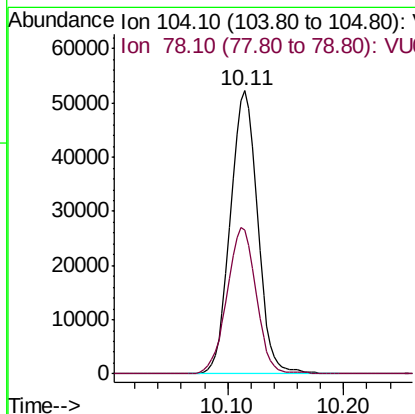


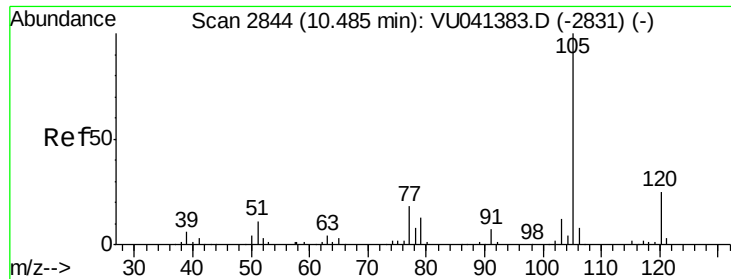
#55
Styrene
Concen: 5.771 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041386.D
Acq: 23 Nov 2020 14:01

Tgt Ion:104 Resp: 84912
Ion Ratio Lower Upper
104 100
78 50.8 35.9 66.7



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





#56

Isopropylbenzene

Concen: 5.552 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

VICV03

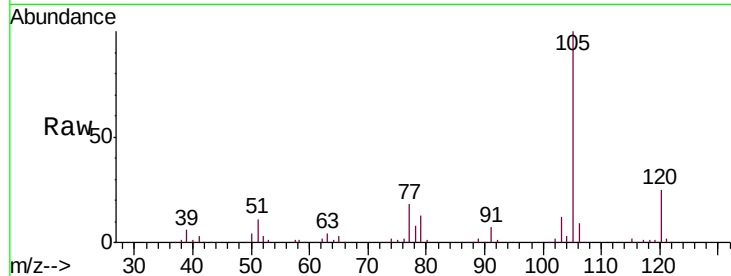
Tgt Ion: 105 Resp: 131438

Ion Ratio Lower Upper

105 100

120 24.8 20.1 30.1

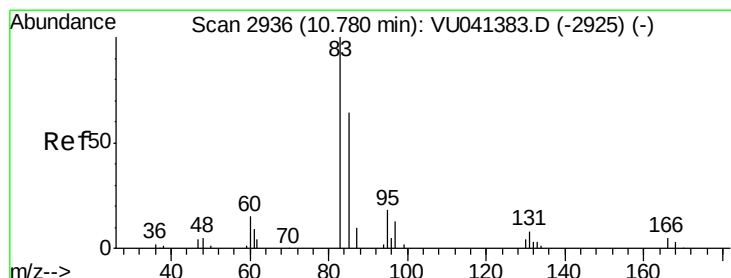
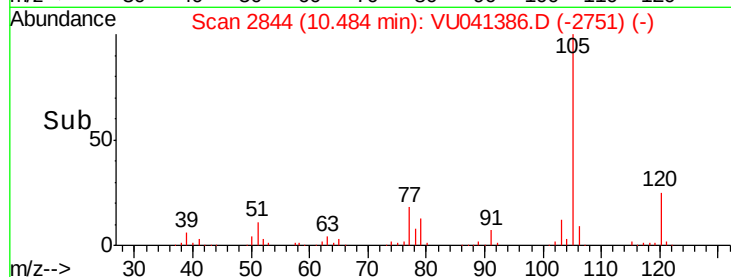
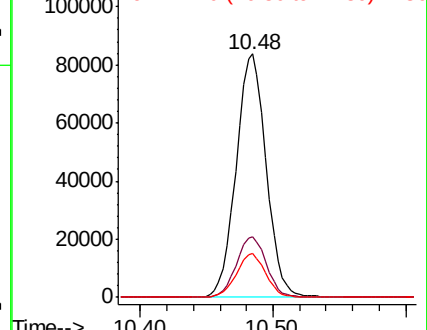
77 17.7 14.0 21.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.220 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

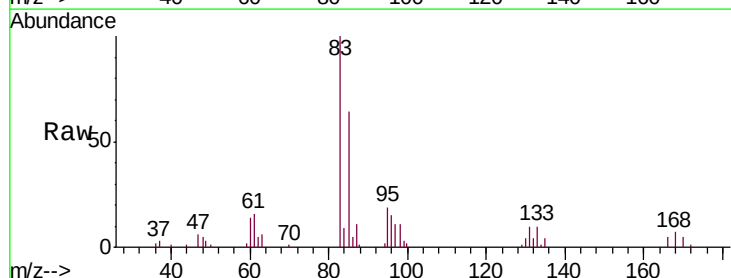
Tgt Ion: 83 Resp: 26779

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

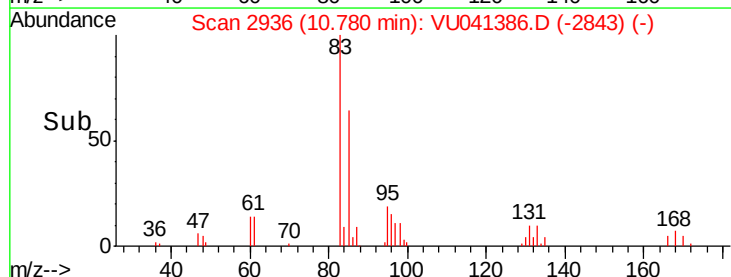
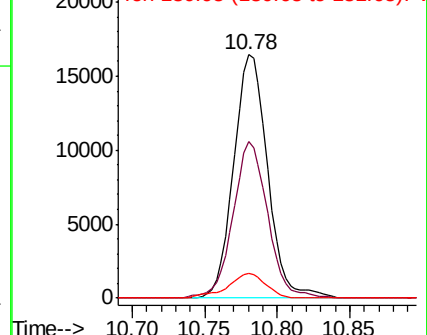
131 10.1 7.6 11.4

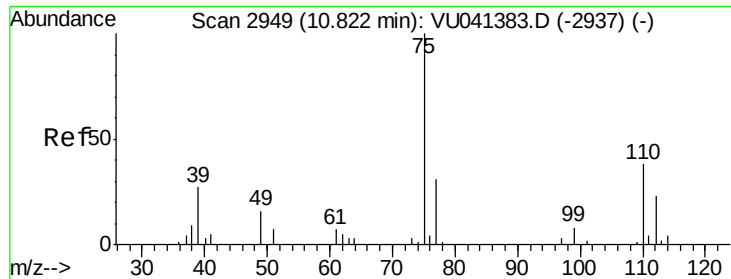


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.162 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

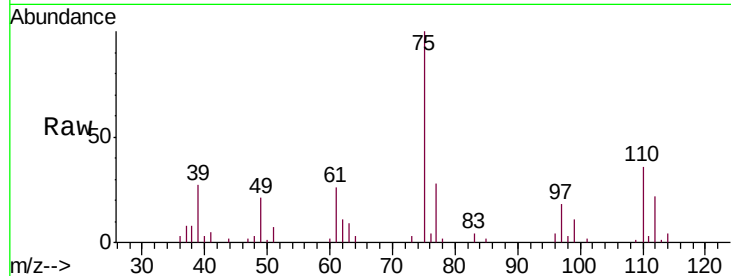
VICV03

Tgt Ion: 75 Resp: 20288

Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VU041383.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041383.D (-2937) (-)

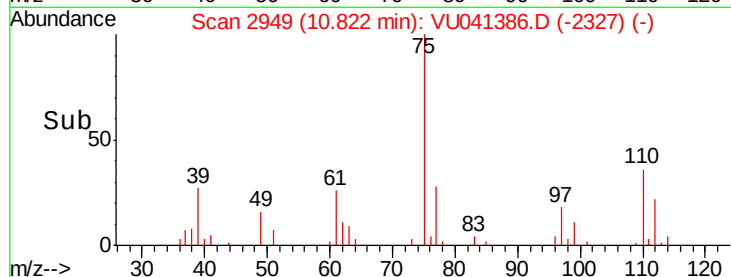
15000

10000

5000

0

Time-->



10.82

10.80

10.85

10.90

10.95

11.00

11.05

11.10

11.15

11.20

11.25

11.30

11.35

11.40

11.45

11.50

11.55

11.60

11.65

11.70

11.75

11.80

11.85

11.90

11.95

12.00

12.05

12.10

12.15

12.20

12.25

12.30

12.35

12.40

12.45

12.50

12.55

12.60

12.65

12.70

12.75

12.80

12.85

12.90

12.95

13.00

13.05

13.10

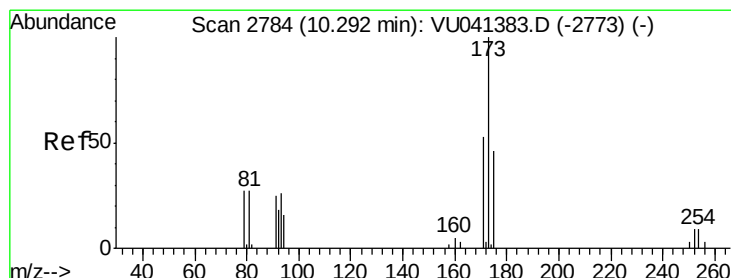
13.15

13.20

13.25

13.30

13.35



#61

Bromoform

Concen: 5.240 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

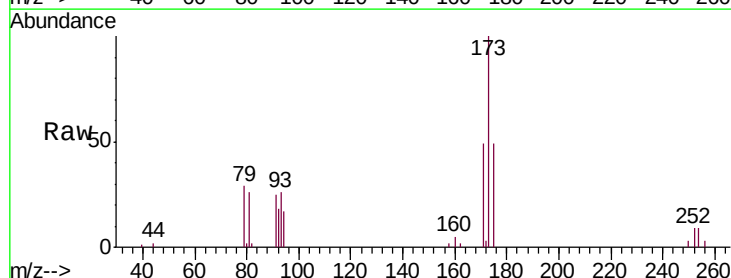
Tgt Ion: 173 Resp: 15520

Ion Ratio Lower Upper

173 100

175 47.4 37.9 56.9

254 9.2 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): VU041383.D (-2773) (-)

Ion 174.90 (174.60 to 175.60): VU041383.D (-2773) (-)

Ion 253.75 (253.45 to 254.45): VU041383.D (-2773) (-)

12000

10000

8000

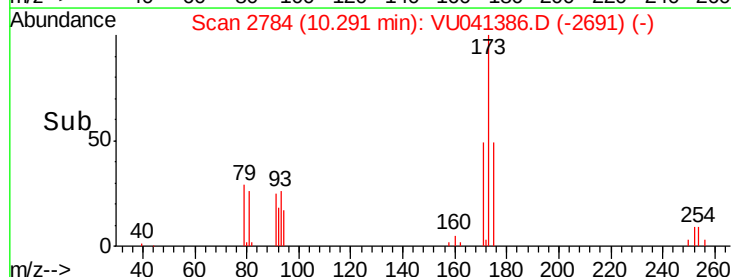
6000

4000

2000

0

Time-->

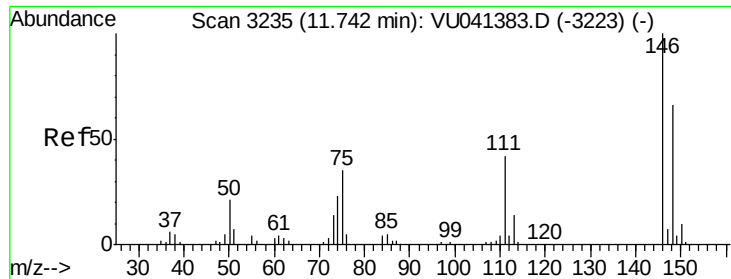


10.29

10.25

10.30

10.35



#62

1,3-Dichlorobenzene

Concen: 5.186 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

VICV03

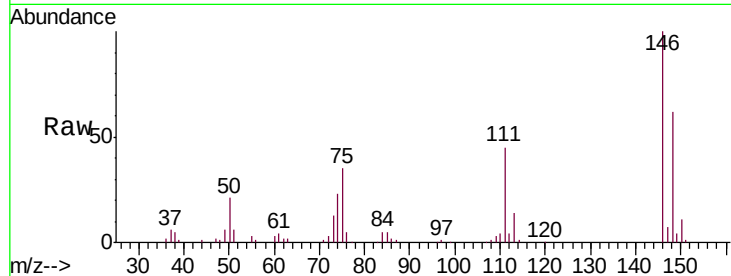
Tgt Ion:146 Resp: 62996

Ion Ratio Lower Upper

146 100

111 44.6 29.5 54.7

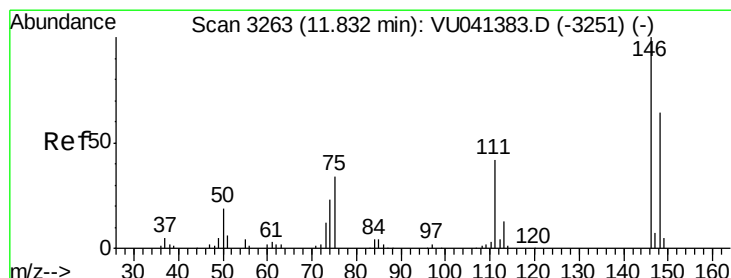
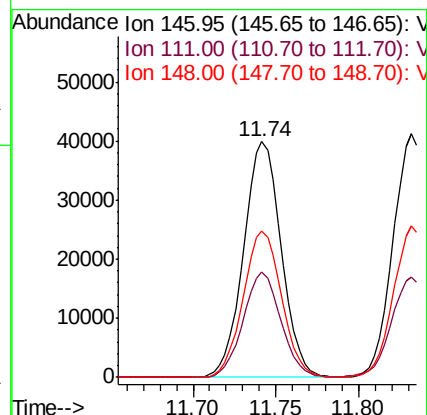
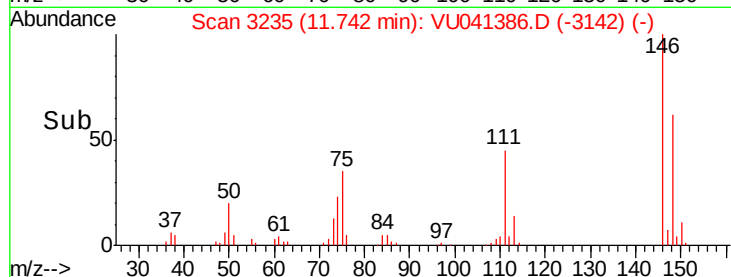
148 62.1 46.3 85.9



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: 5.345 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

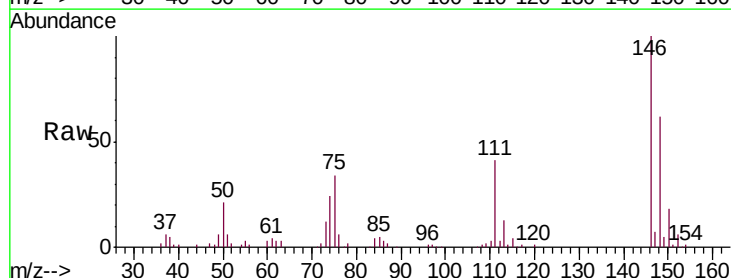
Tgt Ion:146 Resp: 64212

Ion Ratio Lower Upper

146 100

111 41.3 30.0 55.6

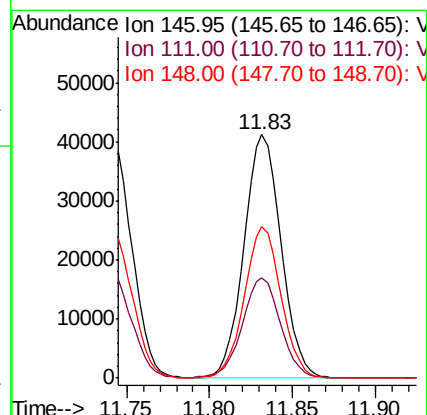
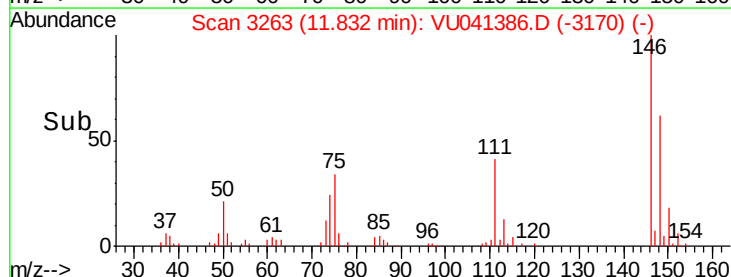
148 62.2 44.4 82.5

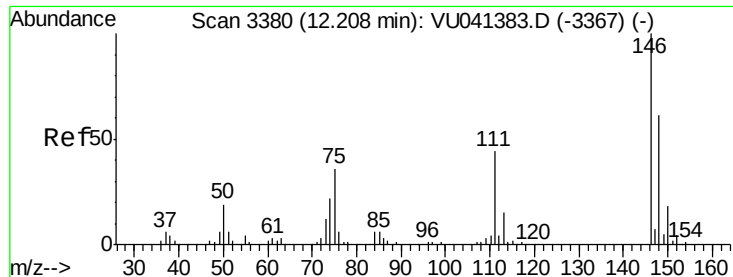


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

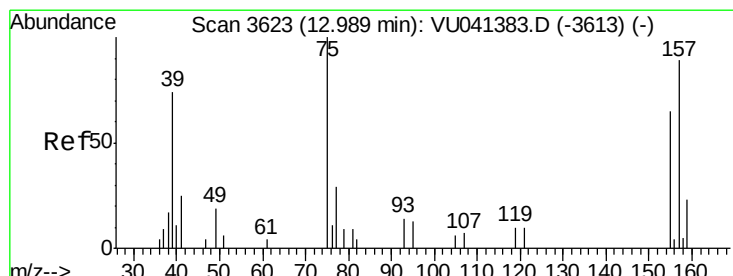
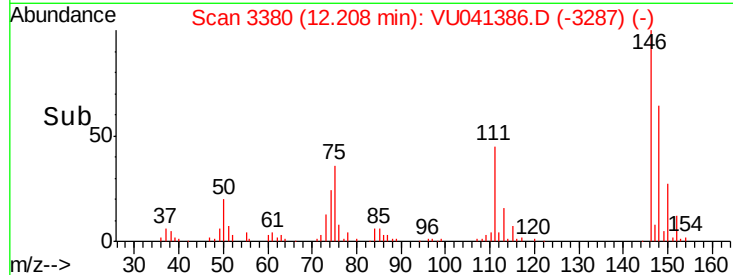
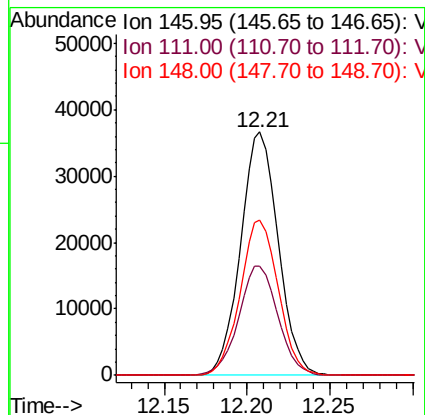
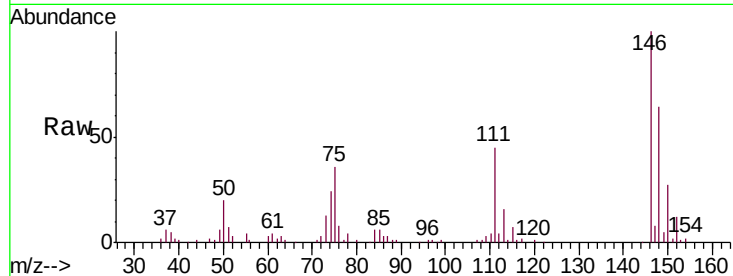




#65
 1,2-Dichlorobenzene
 Concen: 5.146 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

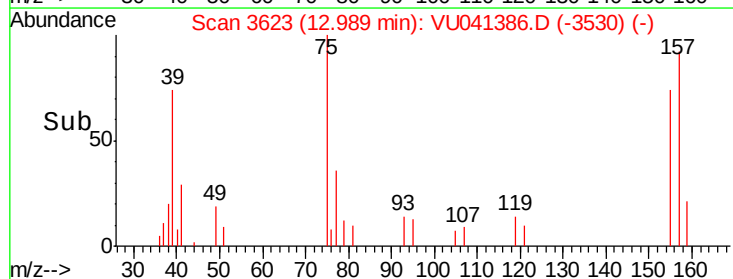
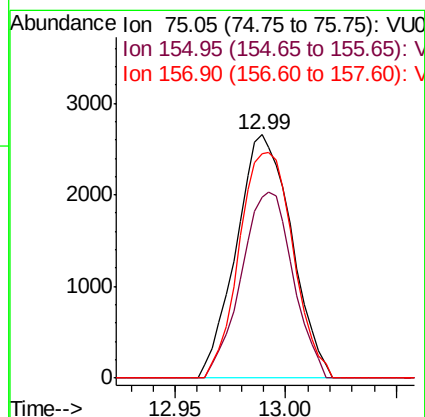
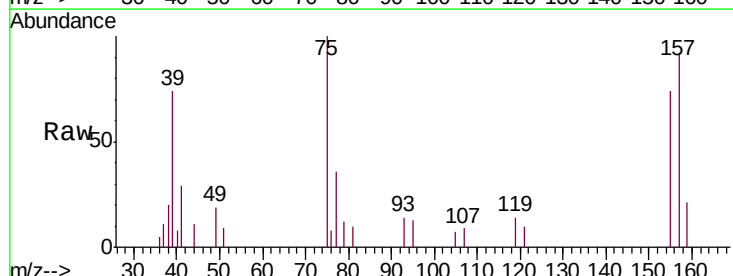
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

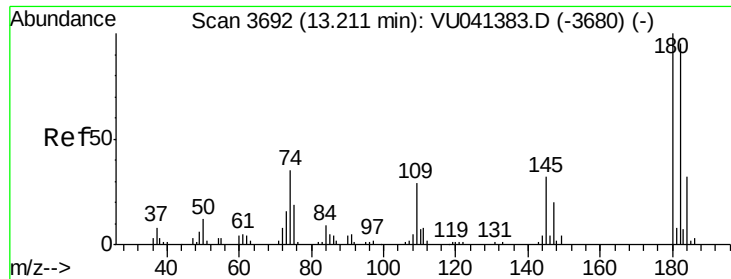
Tgt Ion: 146 Resp: 57832
 Ion Ratio Lower Upper
 146 100
 111 44.8 35.3 52.9
 148 63.9 48.6 73.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.255 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

Tgt Ion: 75 Resp: 4628
 Ion Ratio Lower Upper
 75 100
 155 74.4 51.9 77.9
 157 92.0 71.5 107.3

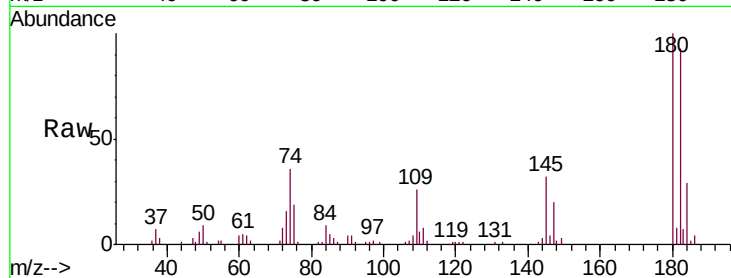




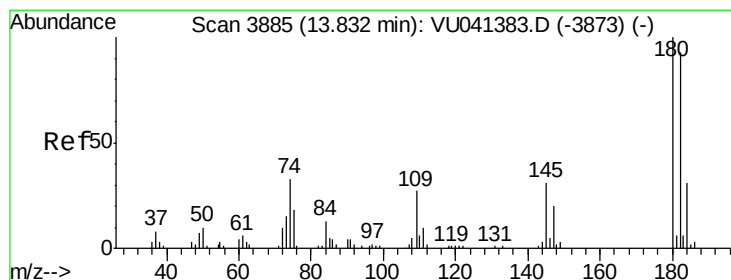
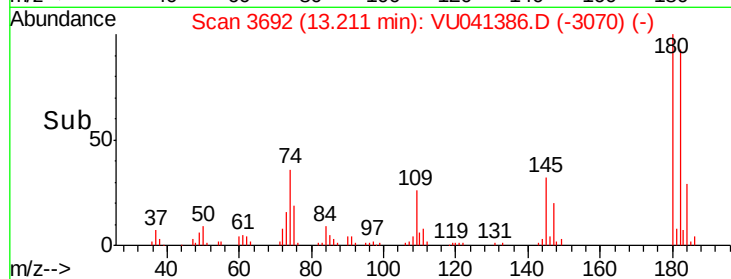
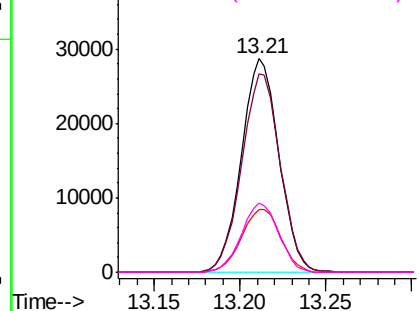
#67
 1,3,5-Trichlorobenzene
 Concen: 5.109 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV03

Tgt Ion:180 Resp: 43626
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.5 116.3
 184 30.4 25.7 38.5
 145 32.1 26.2 39.2

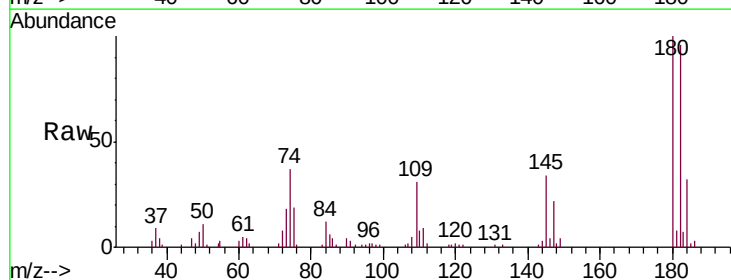


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

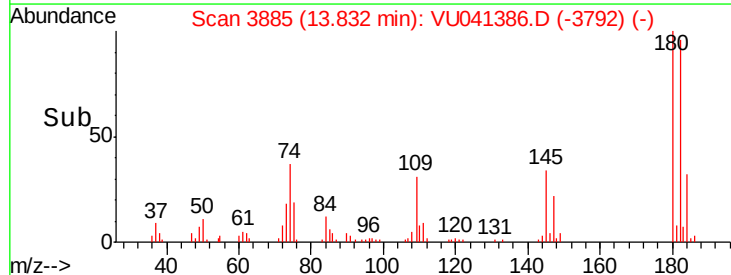
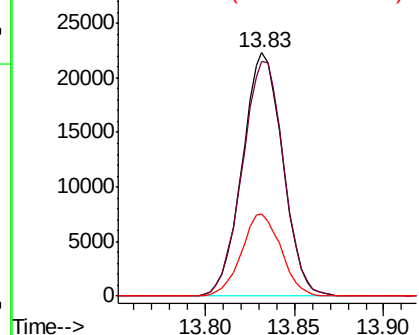


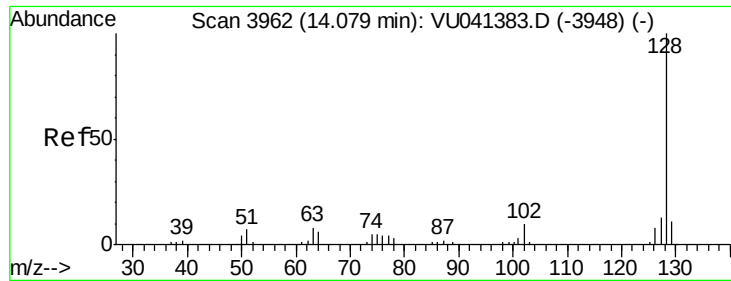
#68
 1,2,4-trichlorobenzene
 Concen: 5.246 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU041386.D
 Acq: 23 Nov 2020 14:01

Tgt Ion:180 Resp: 35157
 Ion Ratio Lower Upper
 180 100
 182 99.0 76.0 114.0
 145 33.1 25.7 38.5



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: 5.449 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

Instrument :

MSVOA_U

ClientSampleId :

VICV03

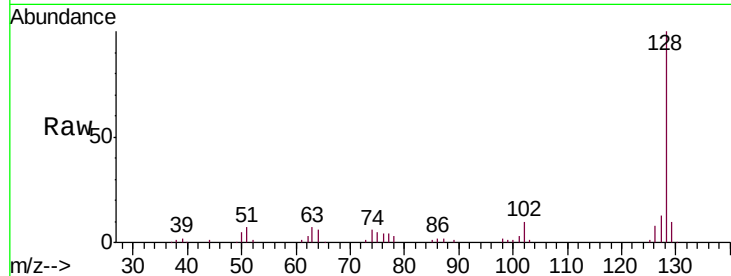
Tgt Ion:128 Resp: 57370

Ion Ratio Lower Upper

128 100

129 10.6 8.3 12.5

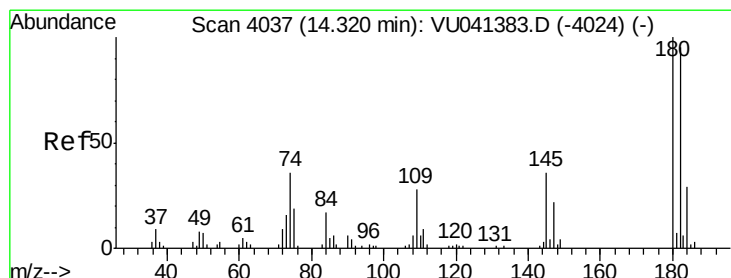
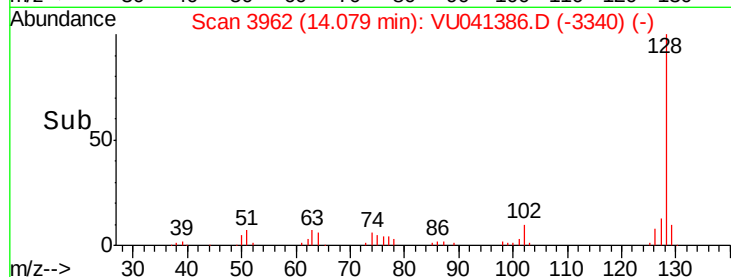
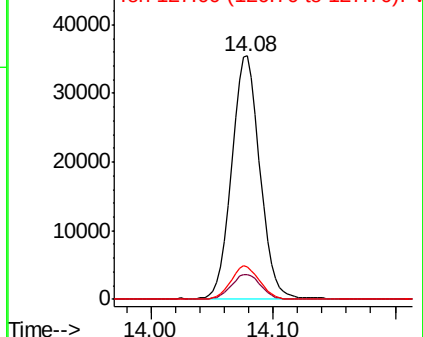
127 13.8 10.7 16.1



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: 5.451 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU041386.D

Acq: 23 Nov 2020 14:01

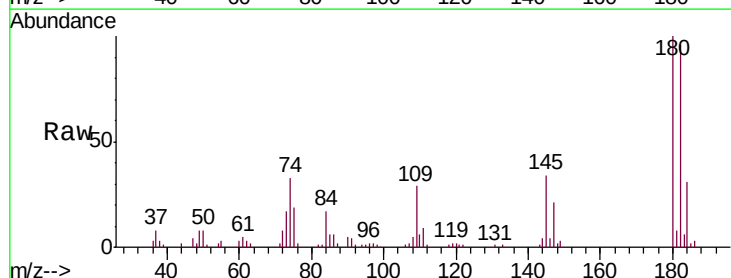
Tgt Ion:180 Resp: 33388

Ion Ratio Lower Upper

180 100

182 95.1 75.9 113.9

145 35.1 27.7 41.5



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

