

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101720\
 Data File : VU040768.D
 Acq On : 17 Oct 2020 16:26
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 03:02:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 01:19:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	130958	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132675	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	69165	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	55078	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.92	69	44520	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.58	63	110002	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.80%
20) 2-Butanone-d5	4.66	46	175253	50.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.94%
24) Chloroform-d	5.08	84	102866	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
26) 1,2-Dichloroethane-d4	5.72	65	59984	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.74	84	189951	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.70	67	62464	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.90	98	174857	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
43) trans-1,3-Dichloropropene-	8.19	79	25589	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.64	63	129815	50.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53693	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	64313	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	52824	4.452	ug/L	99
3) Chloromethane	1.53	50	45526	4.103	ug/L	96
5) Vinyl chloride	1.61	62	51569	4.413	ug/L	85
6) Bromomethane	1.87	94	23965	3.777	ug/L	97
8) Chloroethane	1.94	64	34952	4.698	ug/L	95
9) Trichlorofluoromethane	2.15	101	81711	4.869	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	52641	4.832	ug/L	99
12) 1,1-Dichloroethene	2.59	96	46421	4.968	ug/L	91
13) Acetone	2.67	43	122048	45.343	ug/L	99
14) Carbon disulfide	2.81	76	104591	3.999	ug/L	99
15) Methyl Acetate	2.97	43	28909	4.703	ug/L	98
16) Methylene chloride	3.06	84	55404	4.618	ug/L	99
17) Methyl tert-butyl Ether	3.38	73	131121	4.963	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	45602	4.662	ug/L	99
19) 1,1-Dichloroethane	3.89	63	101799	5.032	ug/L	97
21) 2-Butanone	4.74	43	201445	48.004	ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	53259	5.049	ug/L	98

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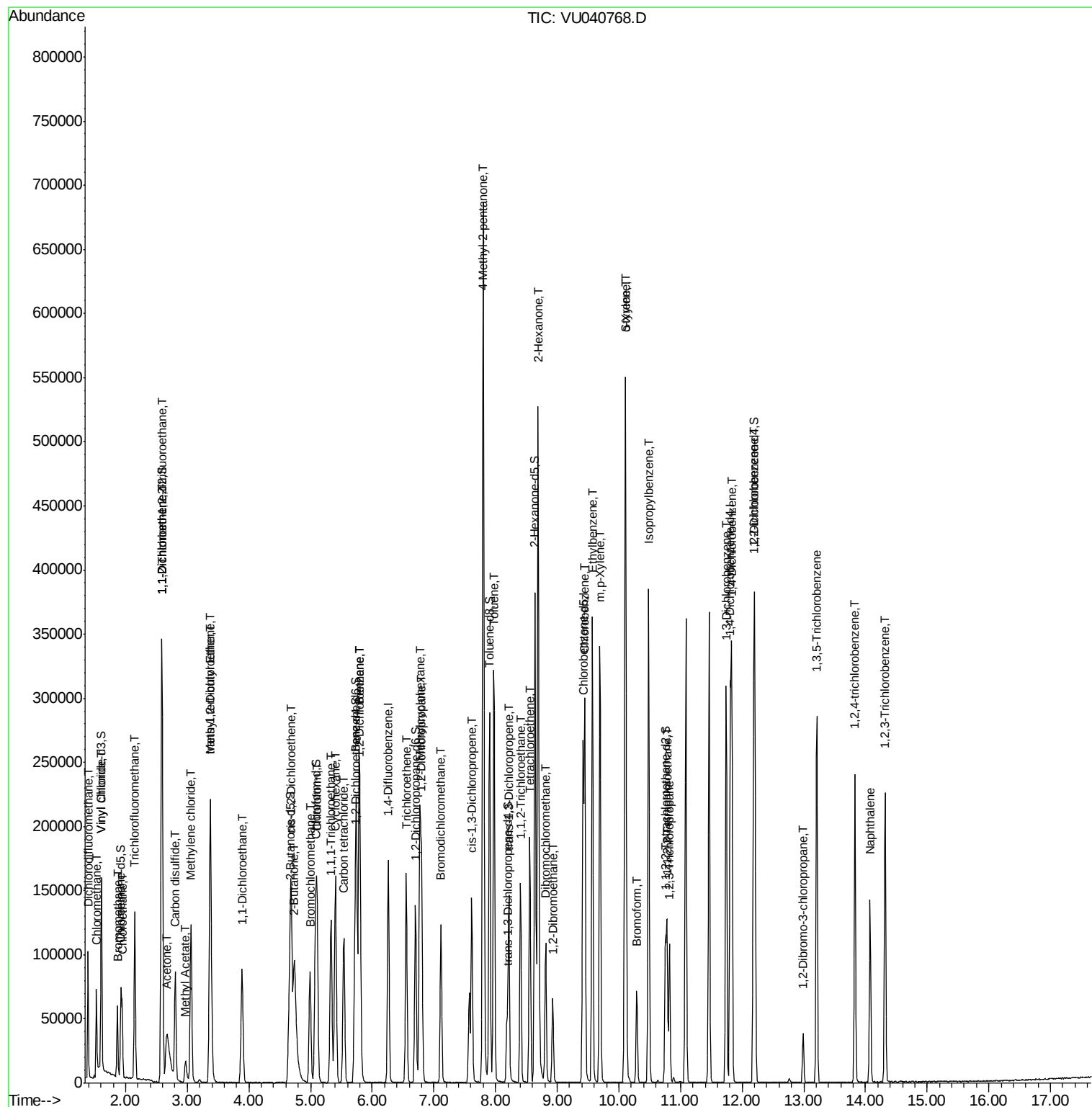
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	25795	4.922	ug/L	96
25) Chloroform	5.11	83	107891	5.224	ug/L	99
27) 1,2-Dichloroethane	5.81	62	74640	5.106	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	90055	5.051	ug/L	99
30) Cyclohexane	5.40	56	73795	4.492	ug/L	99
31) Carbon tetrachloride	5.54	117	76140	4.990	ug/L	98
33) Benzene	5.79	78	208061	4.881	ug/L	100
34) Trichloroethene	6.55	95	53854	4.874	ug/L	95
35) Methylcyclohexane	6.77	83	69986	4.467	ug/L	99
37) 1,2-Dichloropropane	6.80	63	60927	5.130	ug/L	100
38) Bromodichloromethane	7.11	83	78688	5.183	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	80357	4.952	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	472228	49.874	ug/L	100
42) Toluene	7.97	91	219864	5.062	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	76683	5.133	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	44577	5.012	ug/L	99
47) Tetrachloroethene	8.56	164	39286	4.984	ug/L	96
48) 2-Hexanone	8.69	43	348028	49.370	ug/L	98
49) Dibromochloromethane	8.81	129	53707	5.248	ug/L	97
50) 1,2-Dibromoethane	8.93	107	42131	4.993	ug/L	97
51) Chlorobenzene	9.45	112	142955	4.997	ug/L	98
52) Ethylbenzene	9.57	91	239227	5.089	ug/L	99
53) m,p-Xylene	9.69	106	88531	5.167	ug/L	98
54) o-Xylene	10.10	106	85023	5.160	ug/L	97
55) Styrene	10.11	104	156412	5.466	ug/L	99
56) Isopropylbenzene	10.48	105	234165	5.279	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	58350	4.996	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	43481	4.984	ug/L	99
61) Bromoform	10.29	173	30870	5.207	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	118047	5.215	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	119900	5.137	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	112821	5.098	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9678	4.994	ug/L	98
67) 1,3,5-Trichlorobenzene	13.21	180	81364	5.065	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	68088	5.486	ug/L	95
69) Naphthalene	14.08	128	108731	5.356	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	63196	5.484	ug/L	99

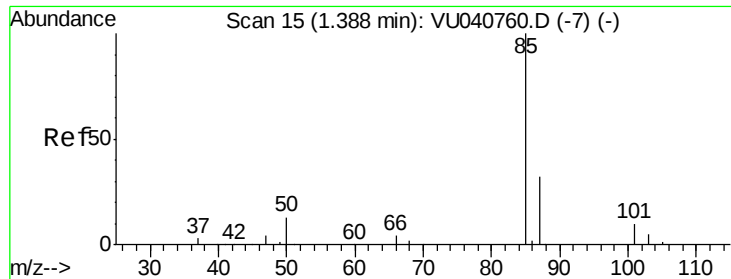
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.452 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

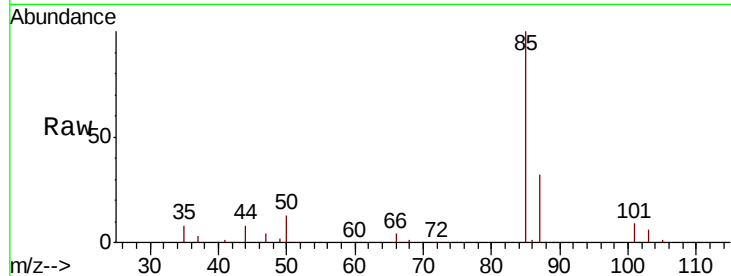
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 52824

Ion Ratio Lower Upper

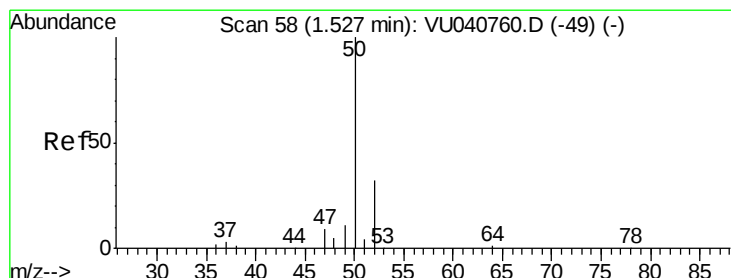
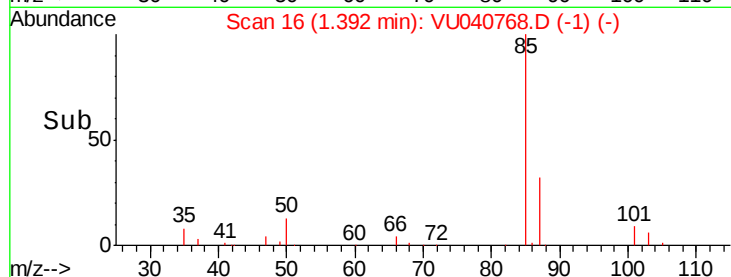
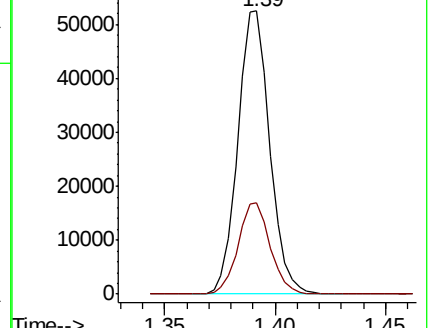
85 100

87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU040768.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040768.D (-7) (-)



#3

Chloromethane

Concen: 4.103 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040768.D

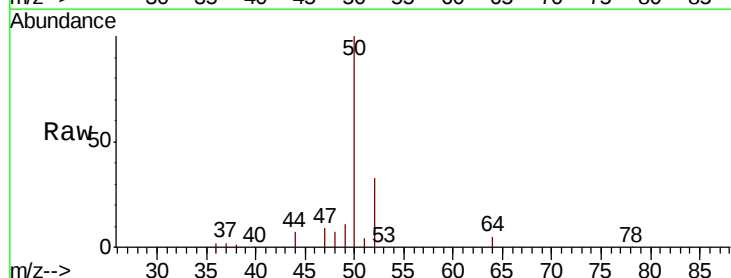
Acq: 17 Oct 2020 16:26

Tgt Ion: 50 Resp: 45526

Ion Ratio Lower Upper

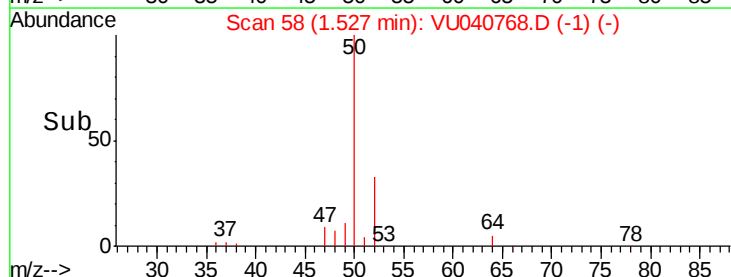
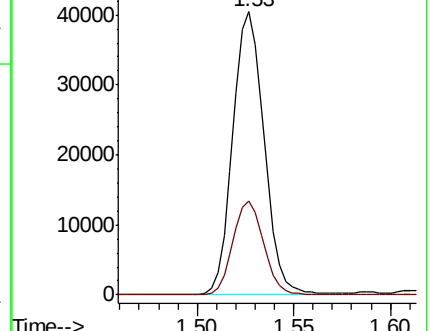
50 100

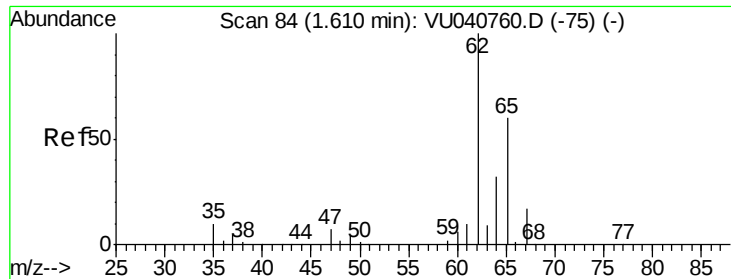
52 33.4 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040768.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040768.D (-49) (-)





#5

Vinyl chloride

Concen: 4.413 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

Instrument :

MSVOA_U

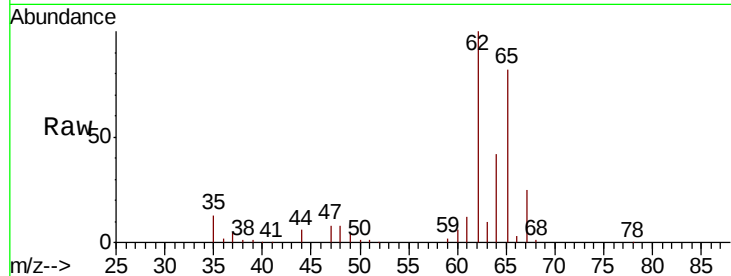
ClientSampleId :

Tot Ion: 62 Resp: 51569

Ion Ratio Lower Upper

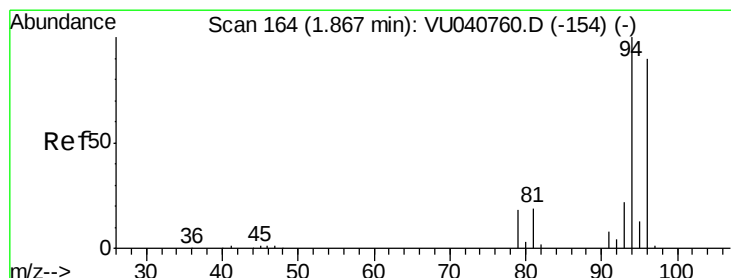
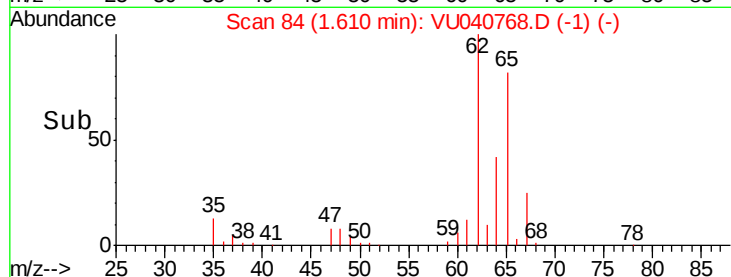
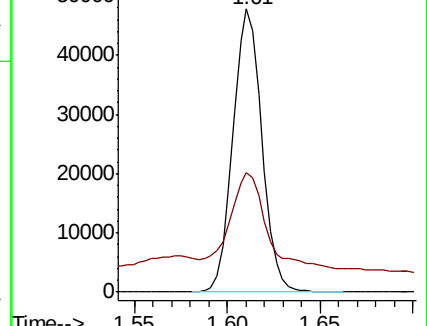
62 100

64 42.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.777 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040768.D

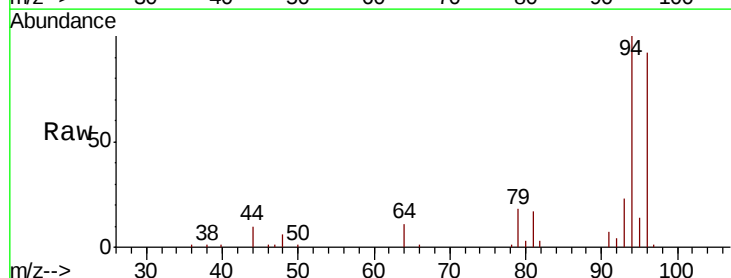
Acq: 17 Oct 2020 16:26

Tgt Ion: 94 Resp: 23965

Ion Ratio Lower Upper

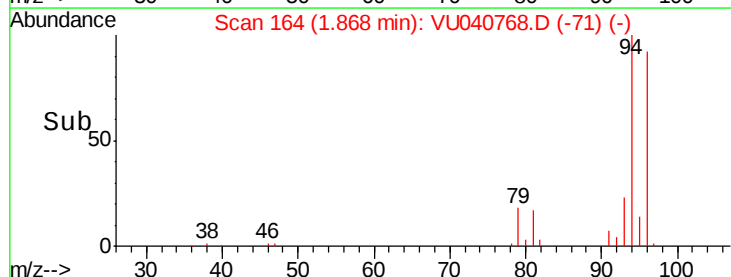
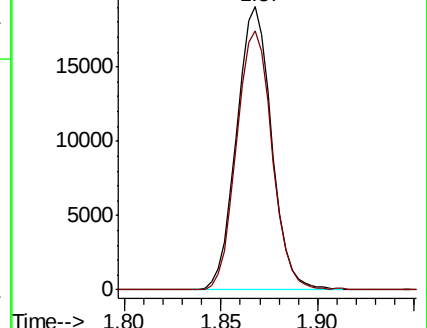
94 100

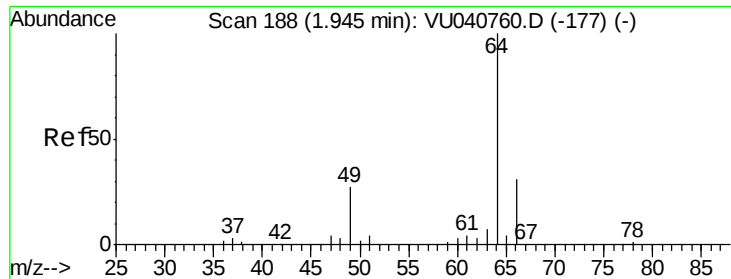
96 91.7 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

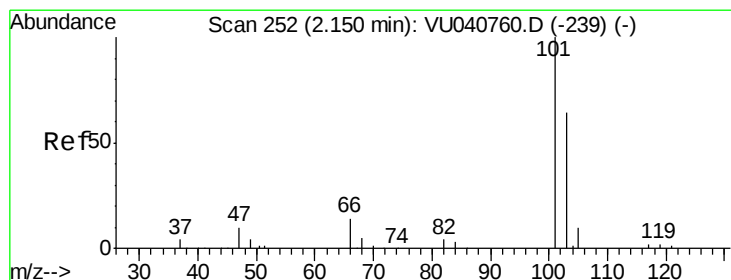
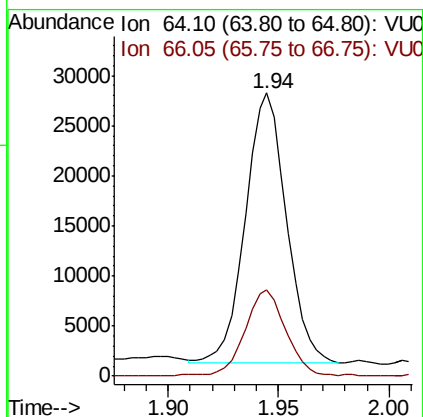
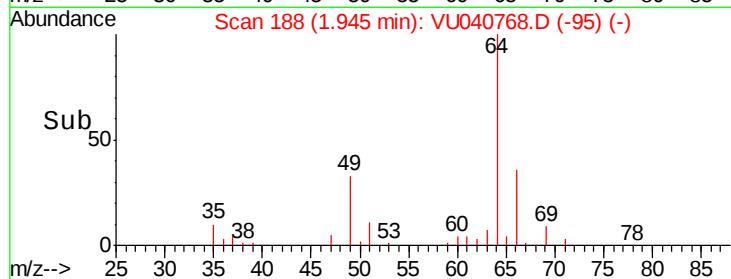
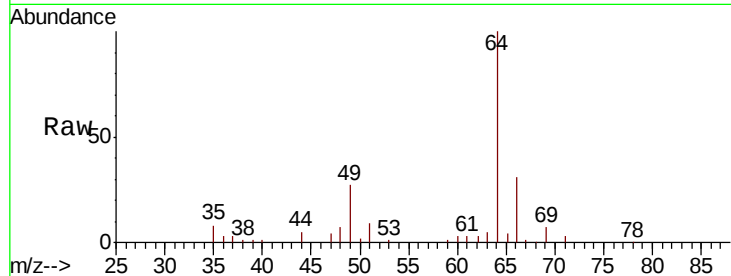




#8
Chloroethane
Concen: 4.698 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

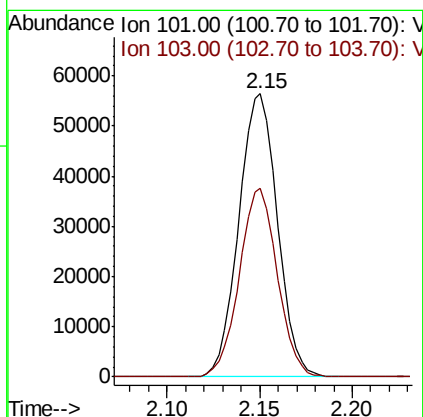
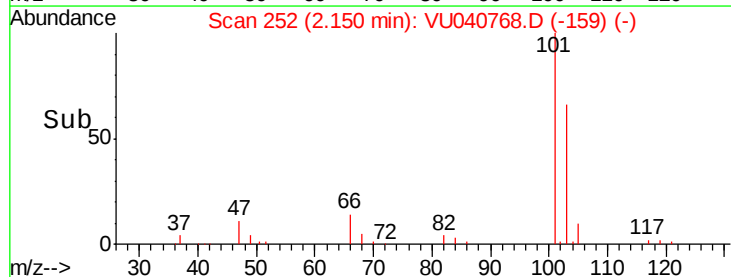
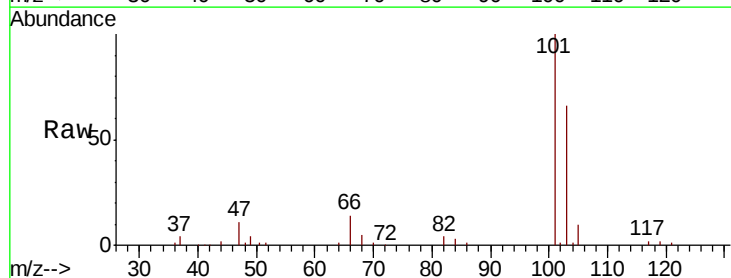
Instrument :
MSVOA_U
ClientSampleId :

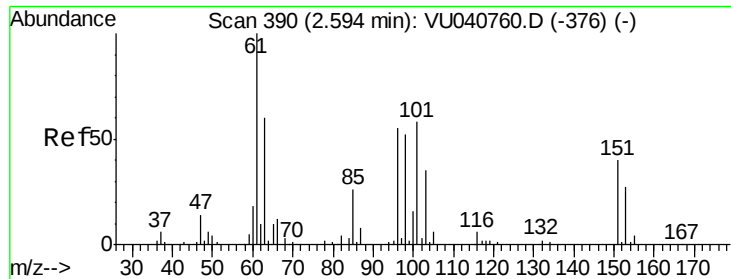
Tot Ion: 64 Resp: 34952
Ion Ratio Lower Upper
64 100
66 30.6 23.3 43.3



#9
Trichlorofluoromethane
Concen: 4.869 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

Tgt Ion:101 Resp: 81711
Ion Ratio Lower Upper
101 100
103 65.6 52.2 78.4





#10

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

Concen: 4.832 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

Instrument :

MSVOA_U

ClientSampled :

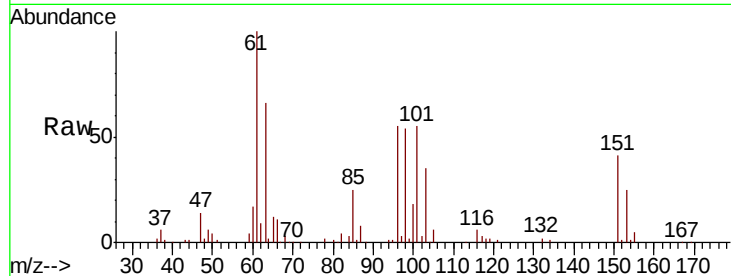
Tot Ion:101 Resp: 52641

Ion Ratio Lower Upper

101 100

85 44.9 36.7 55.1

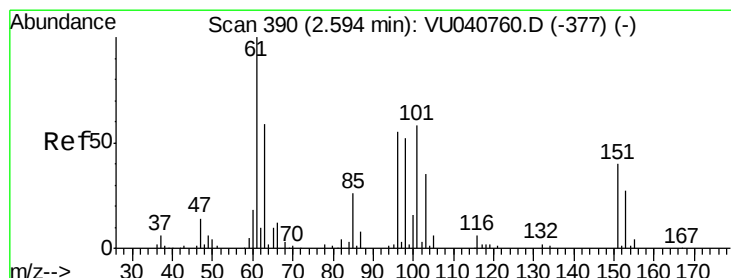
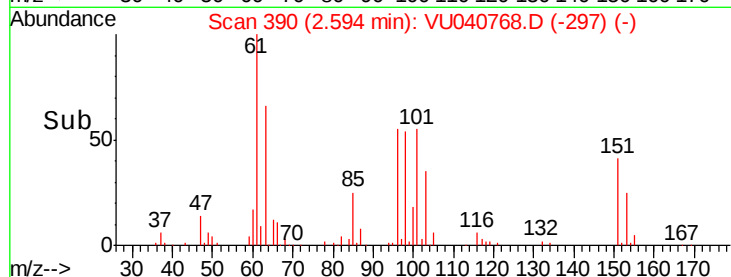
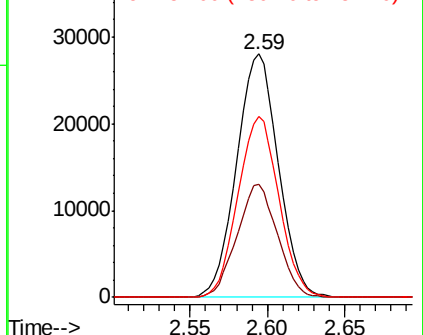
151 72.9 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.968 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

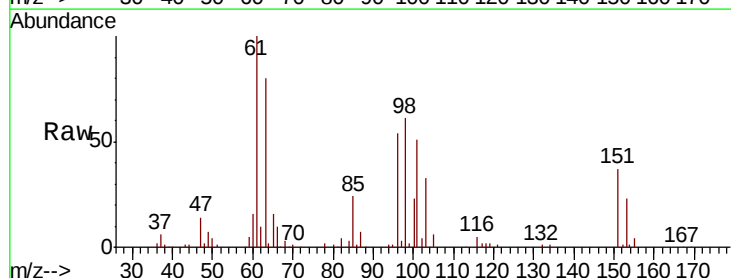
Tgt Ion: 96 Resp: 46421

Ion Ratio Lower Upper

96 100

61 184.6 128.8 239.2

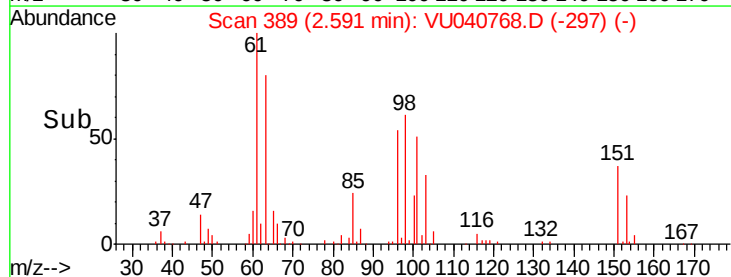
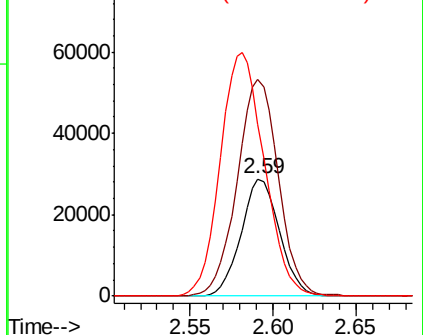
63 146.9 84.6 157.2

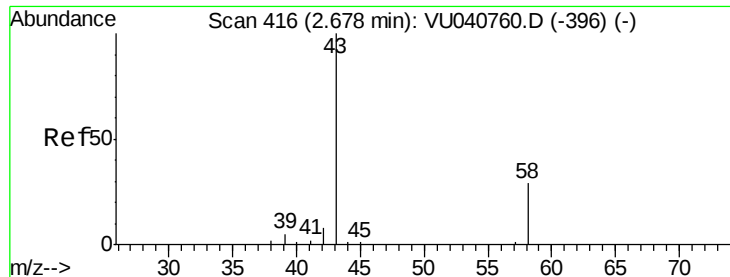


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.343 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

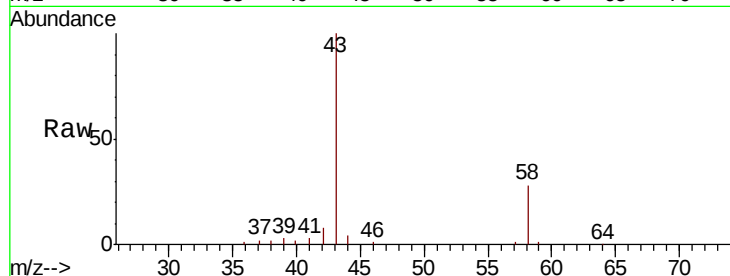
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 122048

Ion Ratio Lower Upper

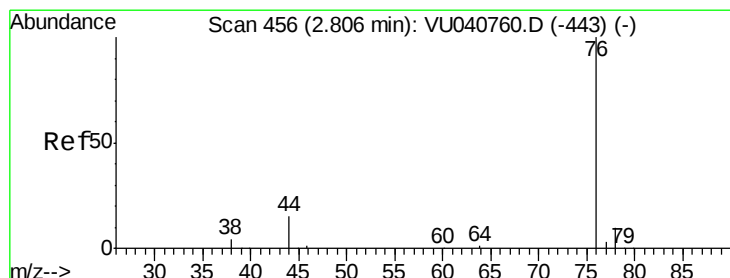
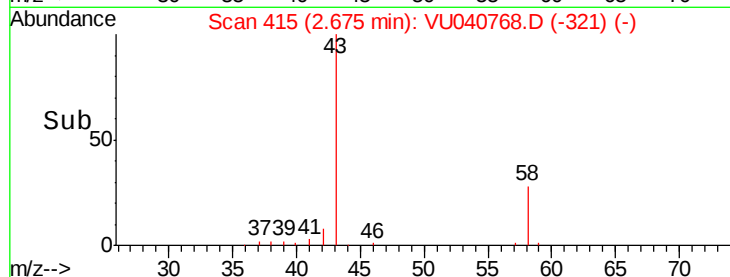
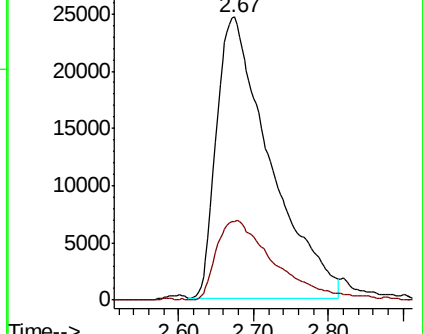
43 100

58 30.6 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 3.999 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040768.D

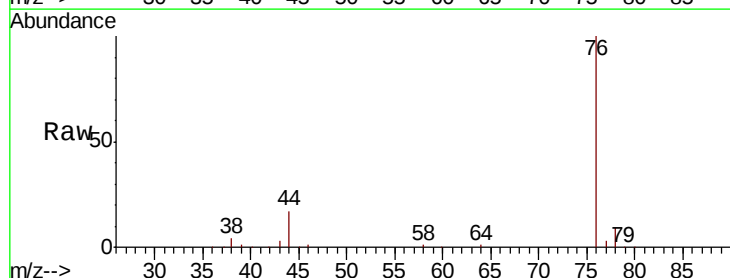
Acq: 17 Oct 2020 16:26

Tgt Ion: 76 Resp: 104591

Ion Ratio Lower Upper

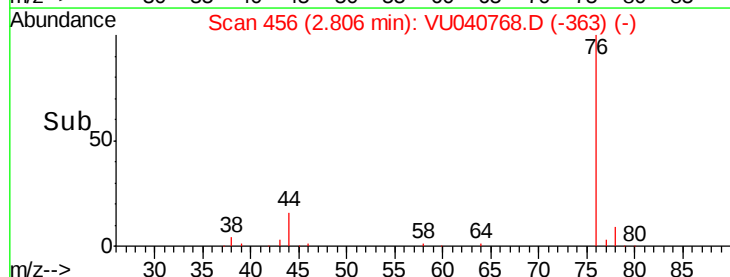
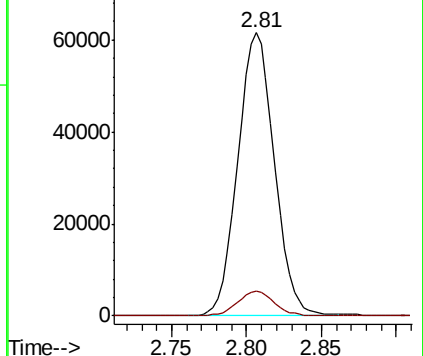
76 100

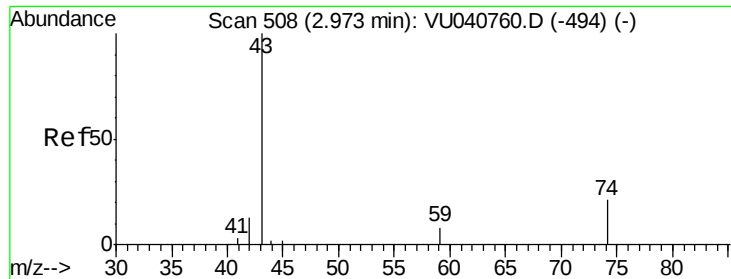
78 8.7 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

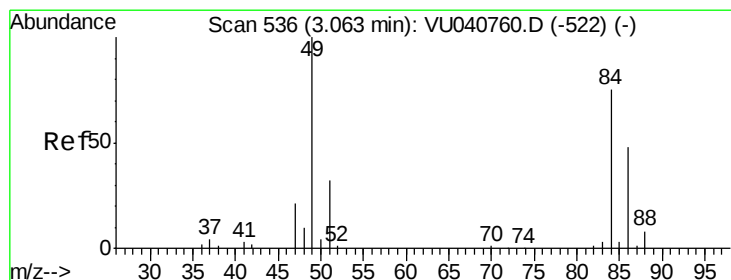
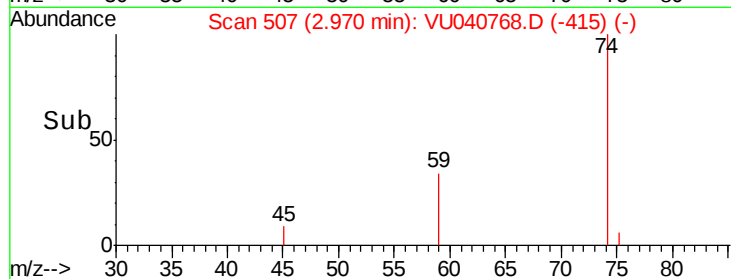
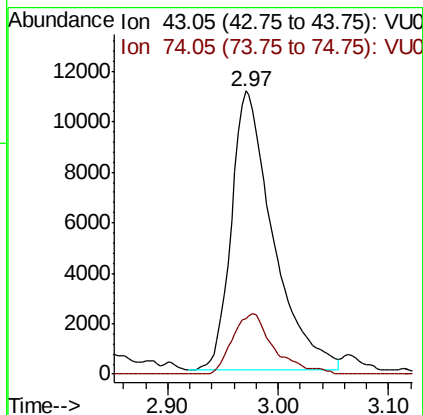
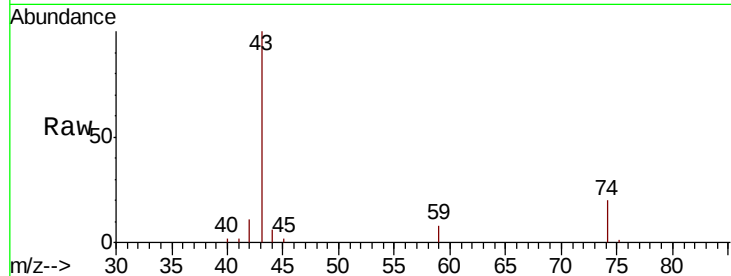




#15
Methvl Acetate
Concen: 4.703 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

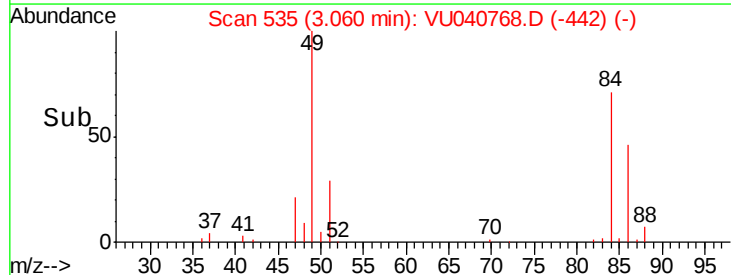
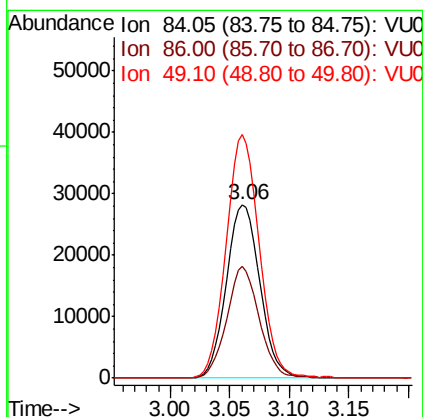
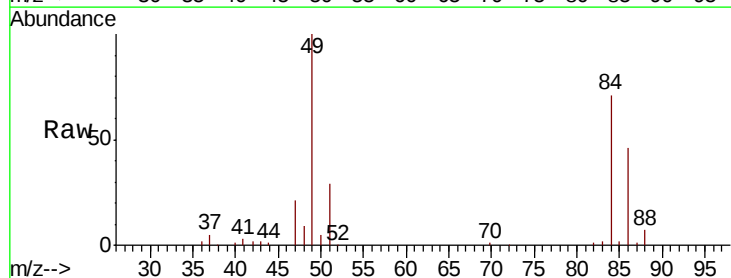
Instrument :
MSVOA_U
ClientSampleId :

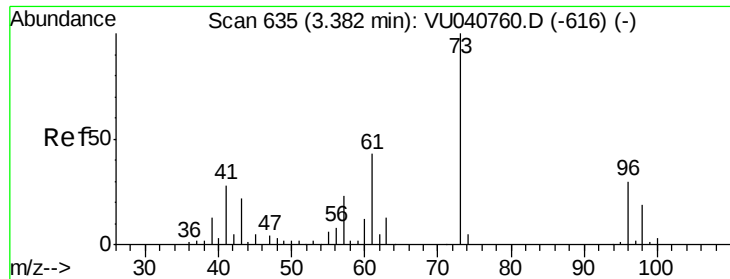
Tot Ion: 43 Resp: 28909
Ion Ratio Lower Upper
43 100
74 21.6 16.5 24.7



#16
Methylene chloride
Concen: 4.618 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

Tgt Ion: 84 Resp: 55404
Ion Ratio Lower Upper
84 100
86 64.2 45.4 84.4
49 140.4 99.8 185.3

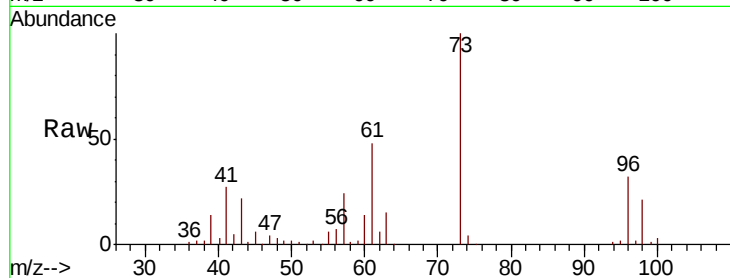




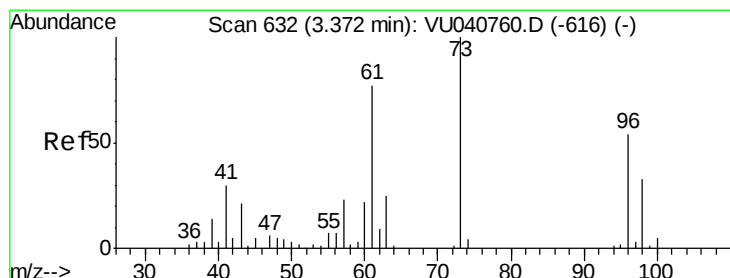
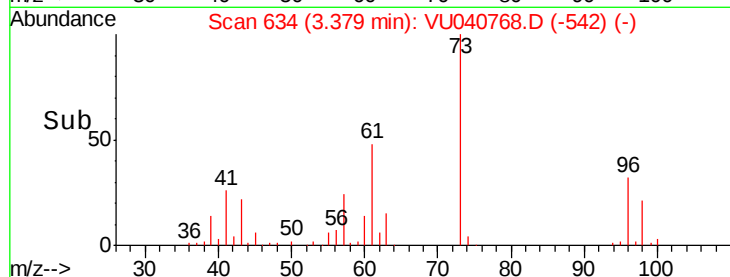
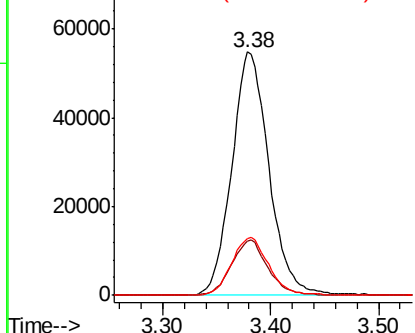
#17
Methvl tert-butvl Ether
Concen: 4.963 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	73	Resp:	131121
Ion	Ratio	Lower	Upper
73	100		
43	22.5	18.2	27.4
57	23.8	18.6	28.0

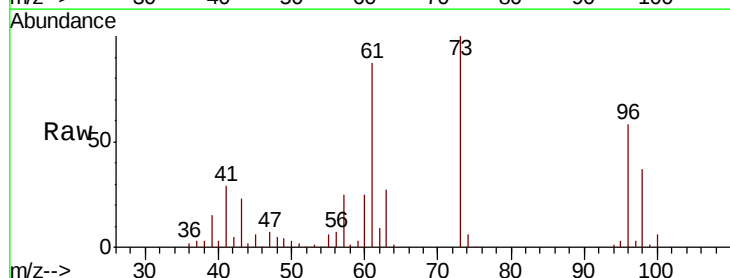


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

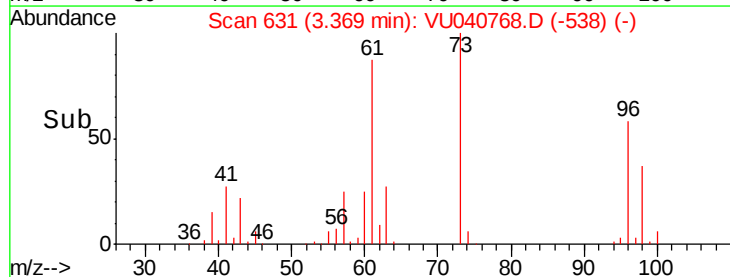
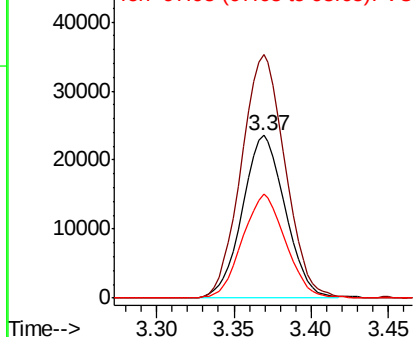


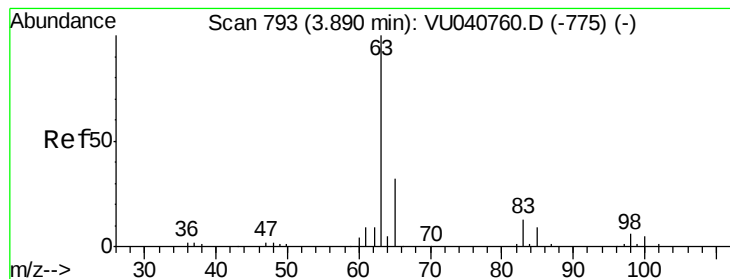
#18
trans-1,2-Dichloroethene
Concen: 4.662 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

Tgt Ion:	96	Resp:	45602
Ion	Ratio	Lower	Upper
96	100		
61	149.8	105.9	196.7
98	63.7	43.8	81.3



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





#19

1,1-Dichloroethane

Concen: 5.032 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

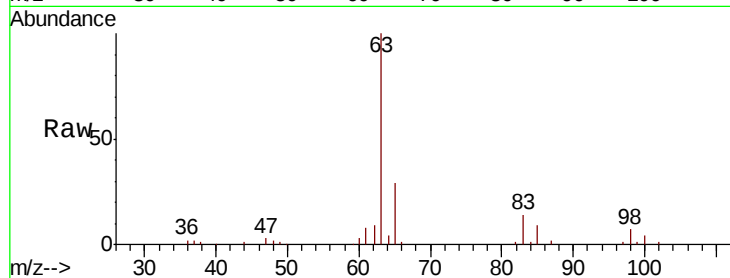
Tot Ion: 63 Resp: 101799

Ion Ratio Lower Upper

63 100

65 29.4 21.9 40.7

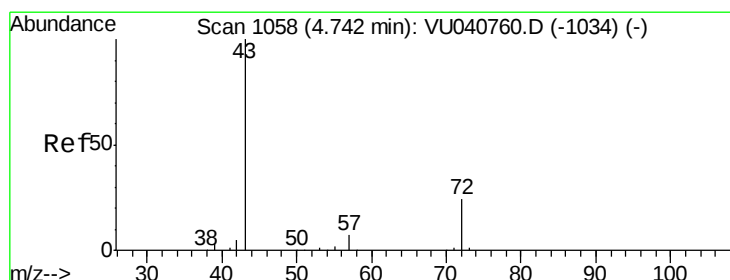
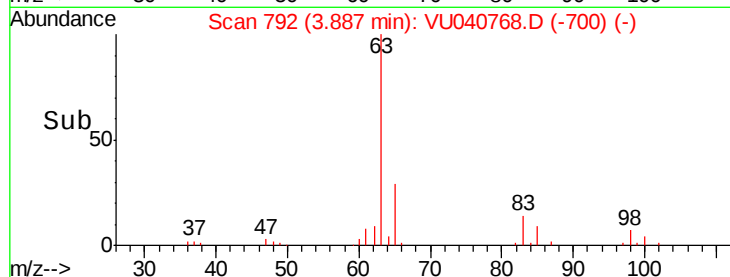
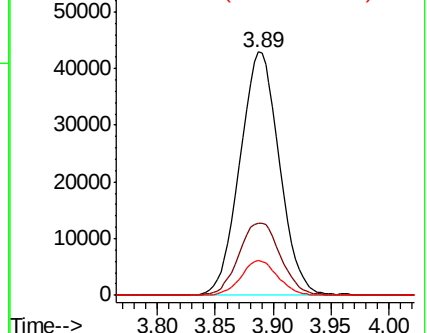
83 14.3 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU040768.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU040768.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU040768.D (-775) (-)



#21

2-Butanone

Concen: 48.004 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VU040768.D

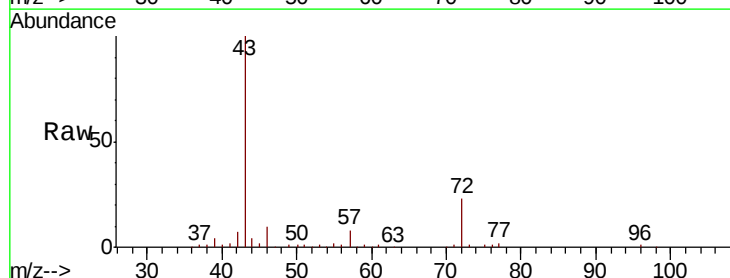
Acq: 17 Oct 2020 16:26

Tgt Ion: 43 Resp: 201445

Ion Ratio Lower Upper

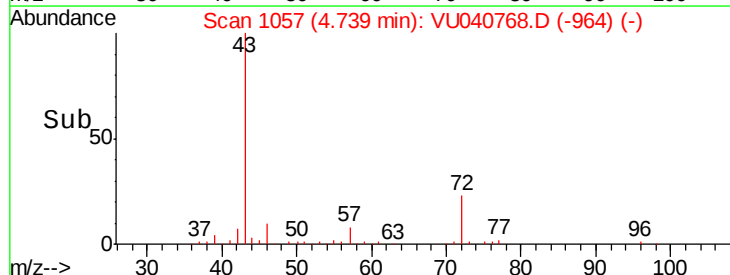
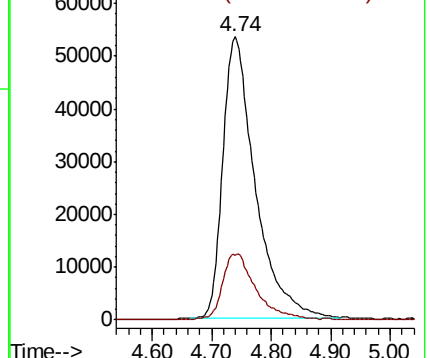
43 100

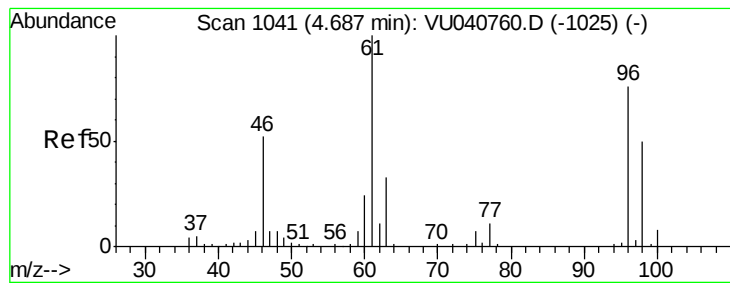
72 24.5 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU040768.D (-964) (-)

Ion 72.10 (71.80 to 72.80): VU040768.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.049 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

Instrument :
MSVOA_U
ClientSampled :

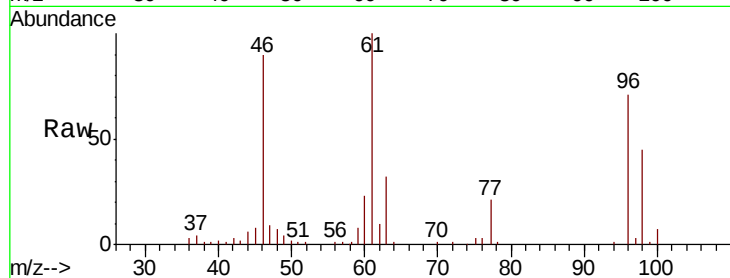
Tot Ion: 96 Resp: 53259

Ion Ratio Lower Upper

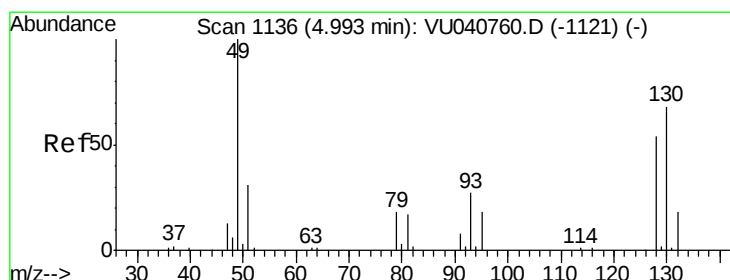
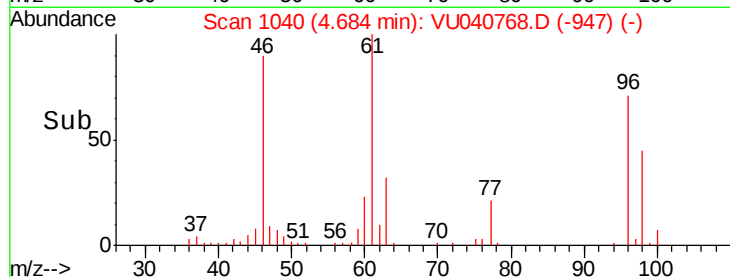
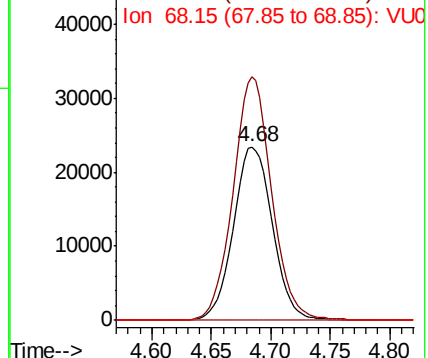
96 100

61 140.1 99.8 185.4

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: 4.922 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

Tgt Ion:128 Resp: 25795

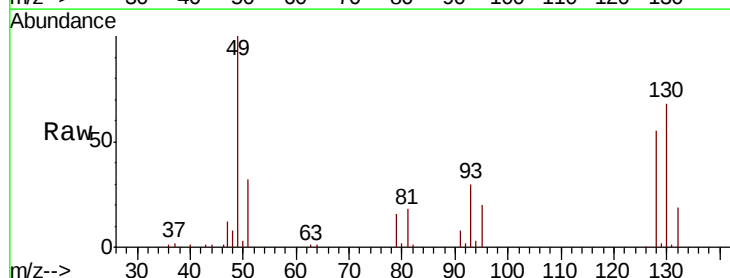
Ion Ratio Lower Upper

128 100

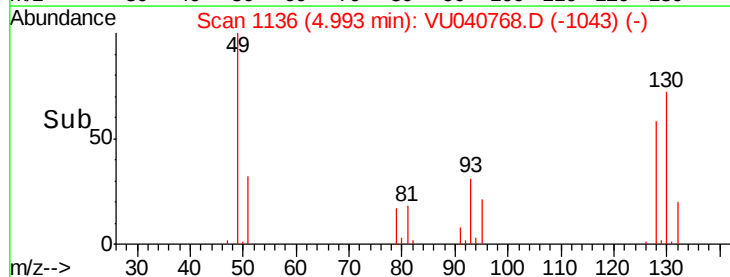
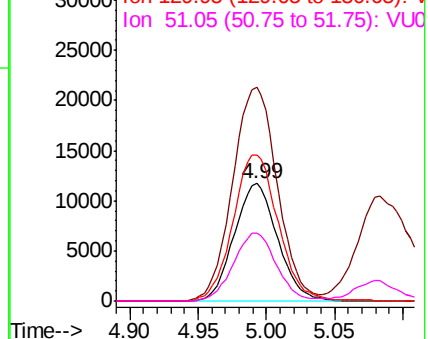
49 181.9 132.2 245.4

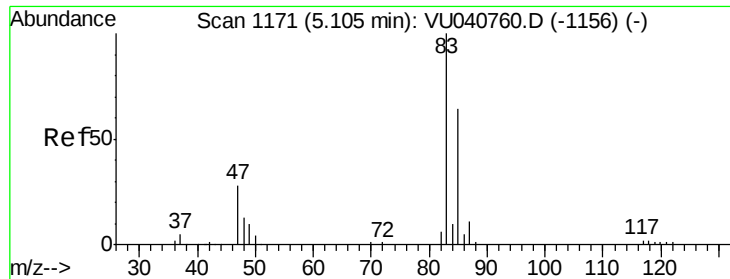
130 124.5 89.2 165.8

51 58.3 45.3 67.9



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

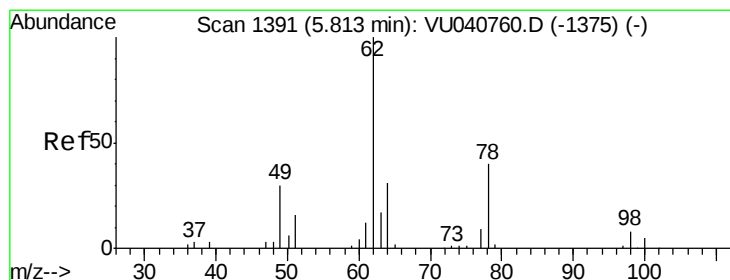
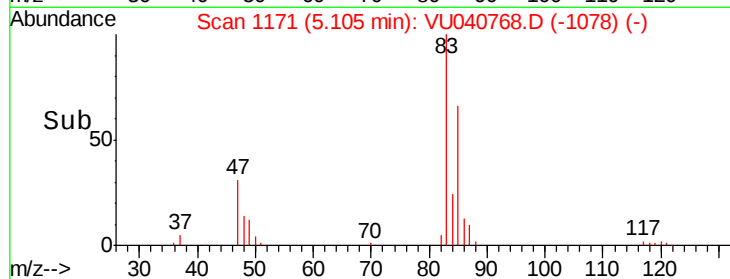
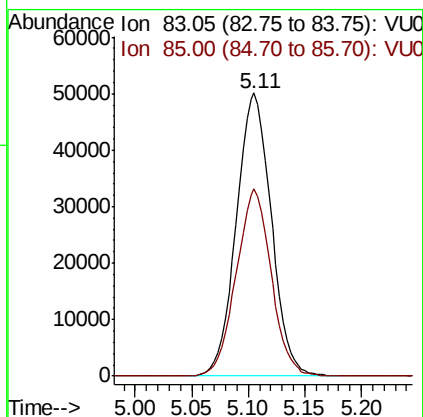
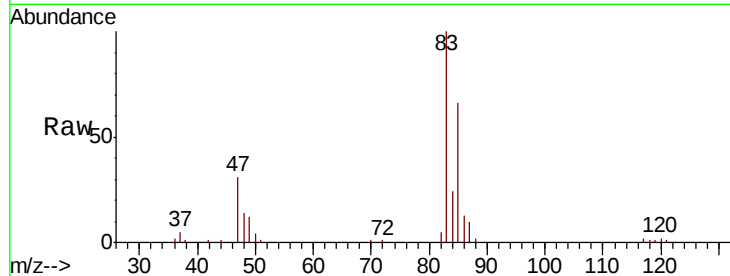




#25
Chloroform
Concen: 5.224 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

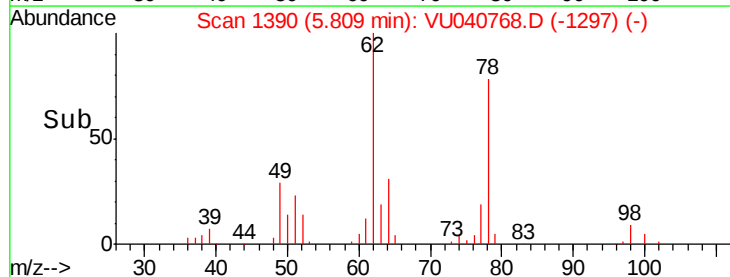
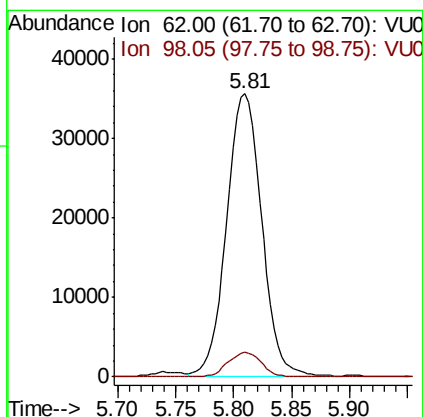
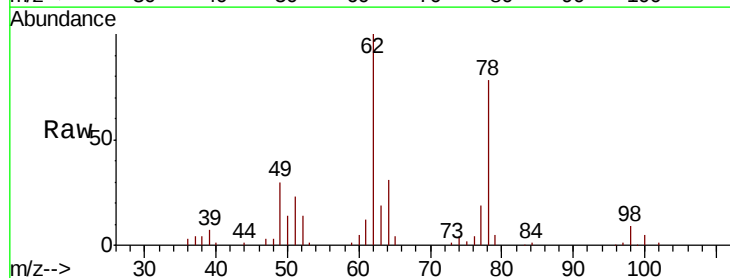
Instrument :
MSVOA_U
ClientSampled :

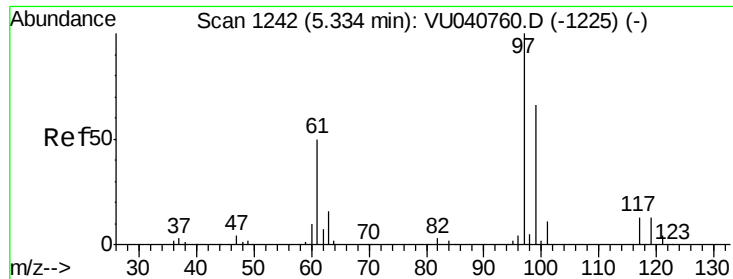
Tot Ion: 83 Resp: 107891
Ion Ratio Lower Upper
83 100
85 66.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.106 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

Tgt Ion: 62 Resp: 74640
Ion Ratio Lower Upper
62 100
98 8.7 6.6 10.0

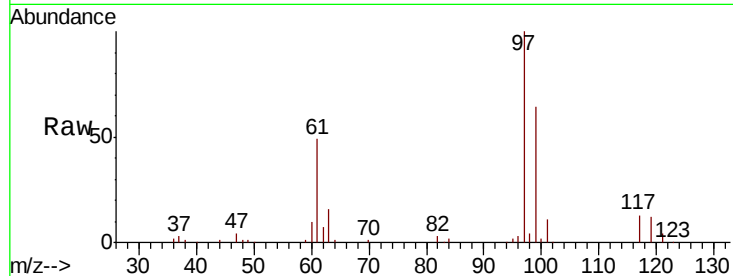




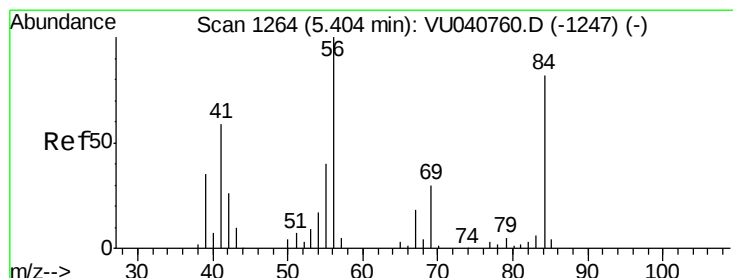
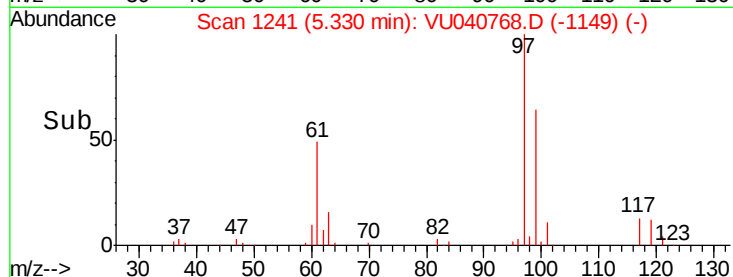
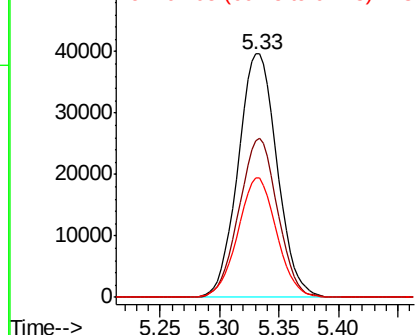
#29
 1,1,1-Trichloroethane
 Concen: 5.051 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 90055
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.3 76.9
 61 48.7 39.4 59.2

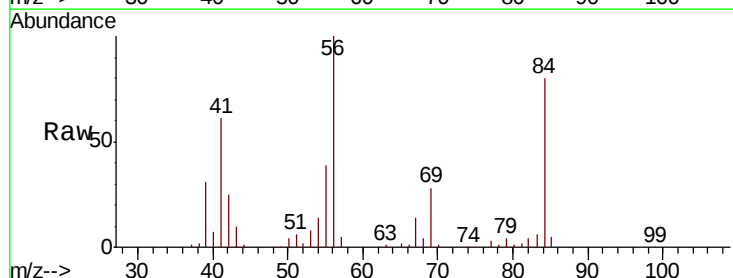


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

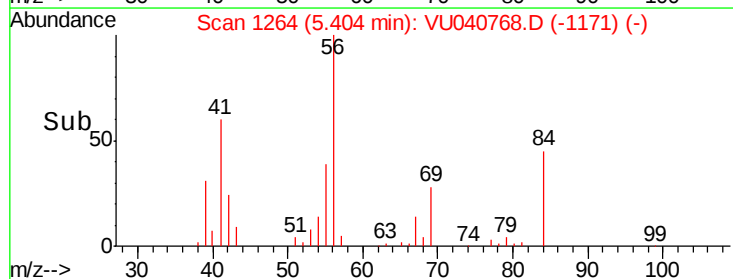
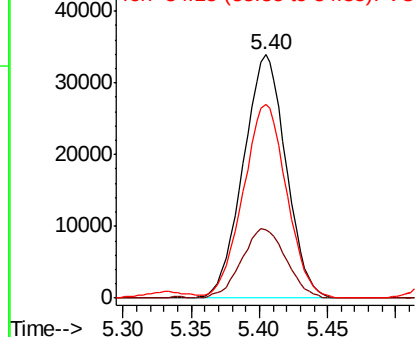


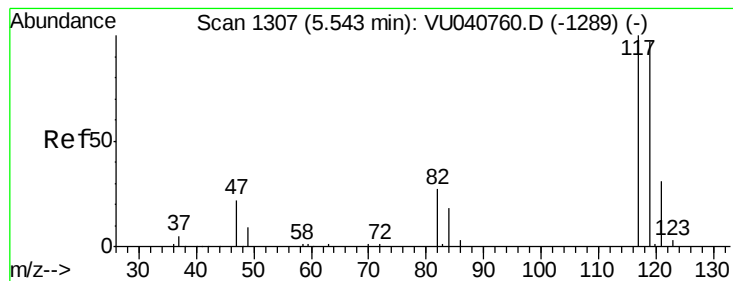
#30
 Cyclohexane
 Concen: 4.492 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

Tgt Ion: 56 Resp: 73795
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.8 35.8
 84 81.3 64.0 96.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.990 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

Instrument :

MSVOA_U

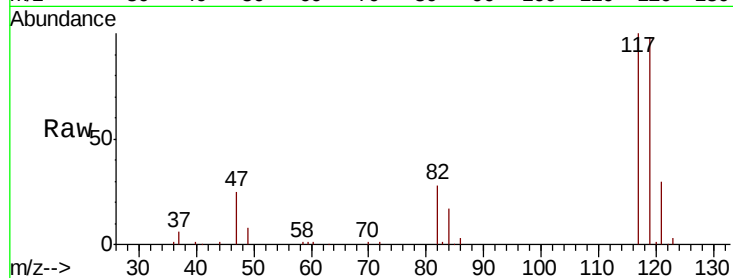
ClientSampleId :

Tot Ion:117 Resp: 76140

Ion Ratio Lower Upper

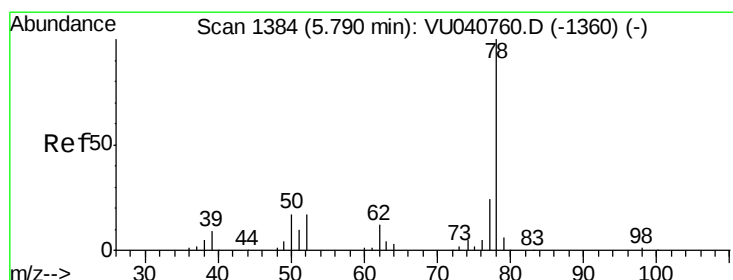
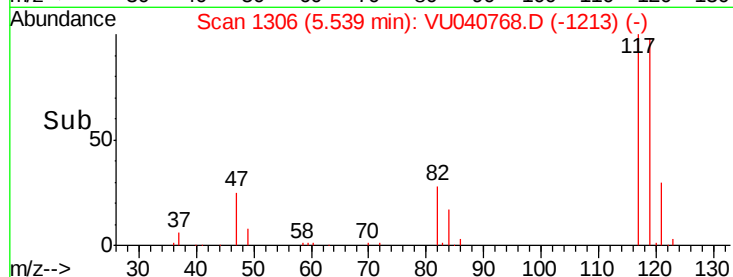
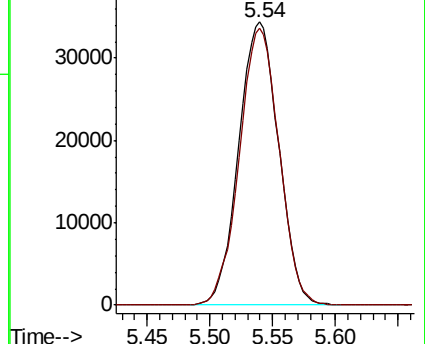
117 100

119 97.1 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.881 ug/L

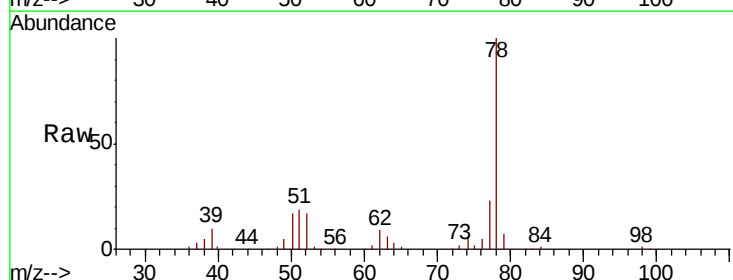
RT: 5.79 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

Tgt Ion: 78 Resp: 208061



Abundance Ion 78.10 (77.80 to 78.80): VU0

120000

100000

80000

60000

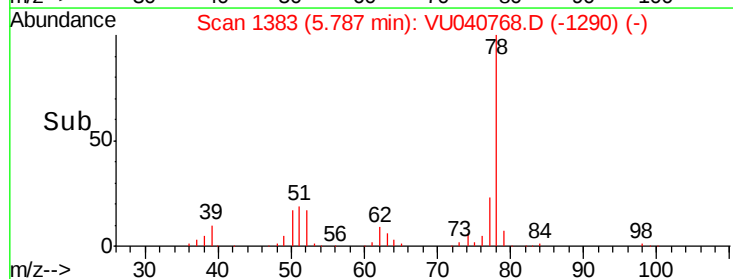
40000

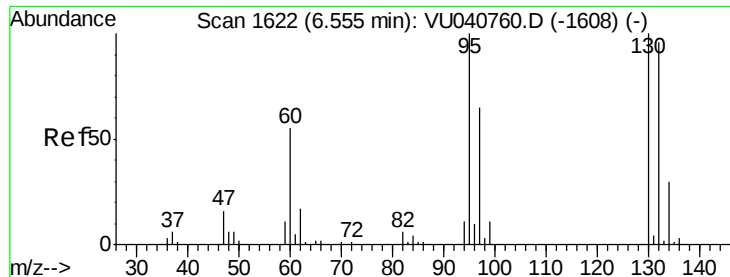
20000

0

5.79

Time-->

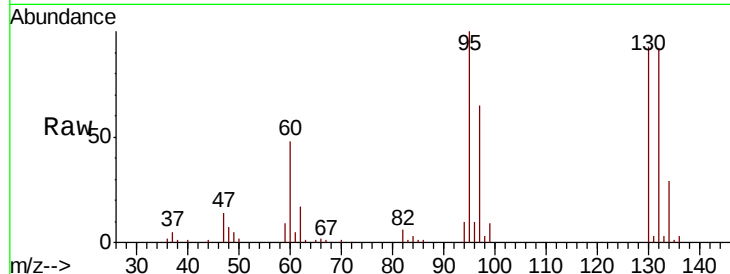




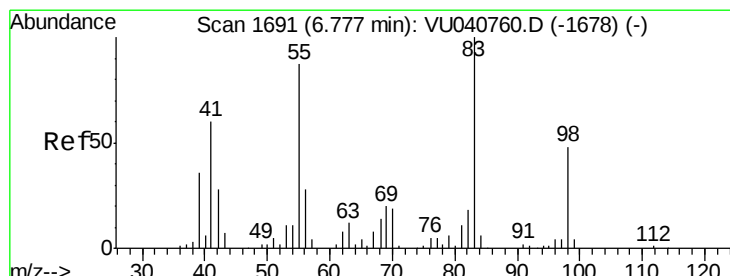
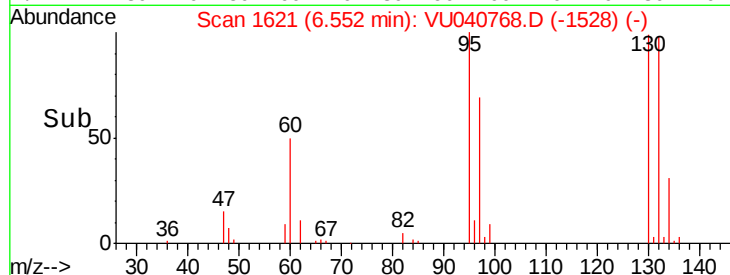
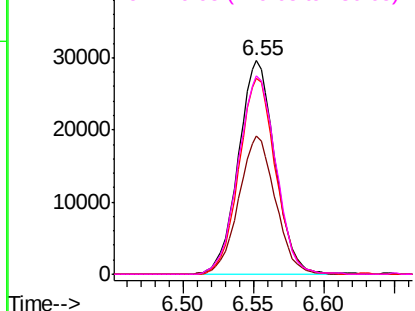
#34
 Trichloroethene
 Concen: 4.874 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 53854
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.5 84.5
 132 91.9 67.5 125.4
 130 92.9 69.9 129.9

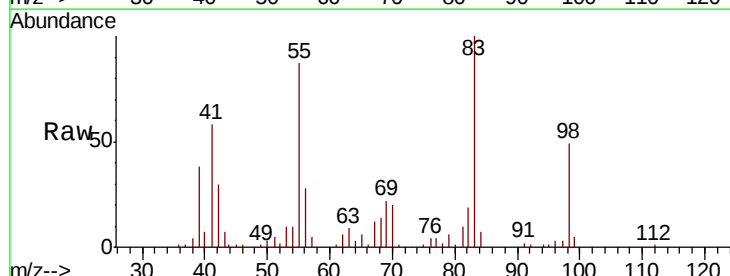


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

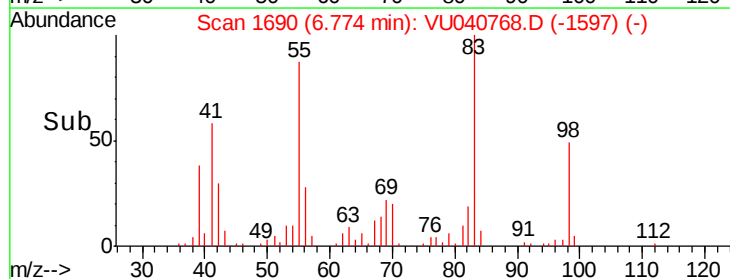
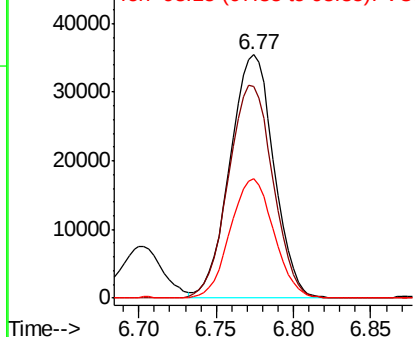


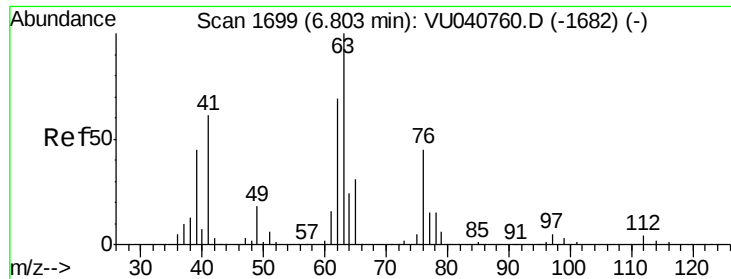
#35
 Methylcyclohexane
 Concen: 4.467 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

Tgt Ion: 83 Resp: 69986
 Ion Ratio Lower Upper
 83 100
 55 88.8 70.7 106.1
 98 48.6 38.4 57.6



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

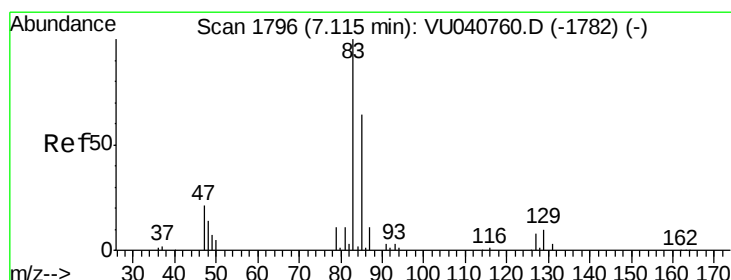
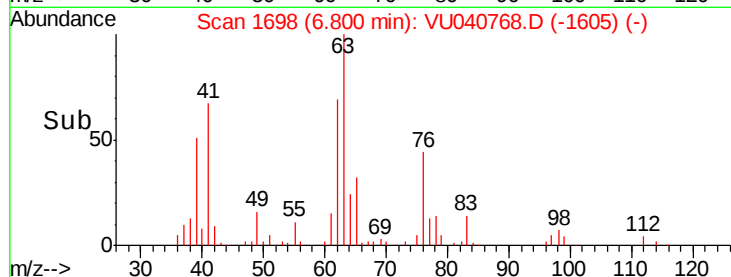
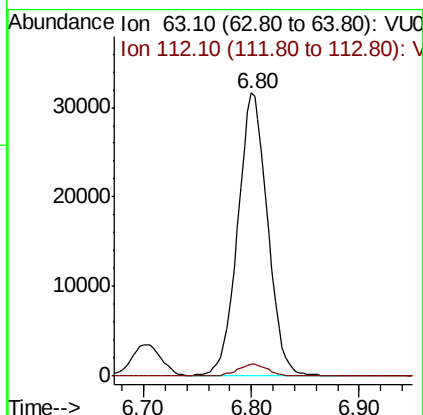
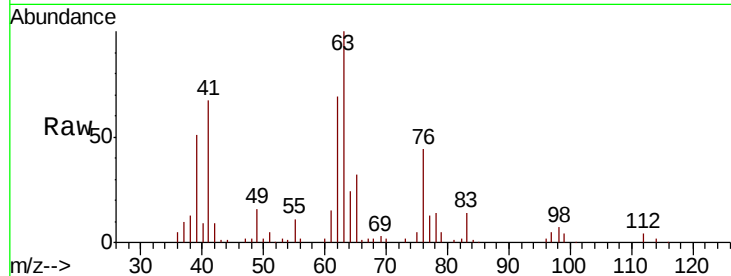




#37
 1,2-Dichloropropane
 Concen: 5.130 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

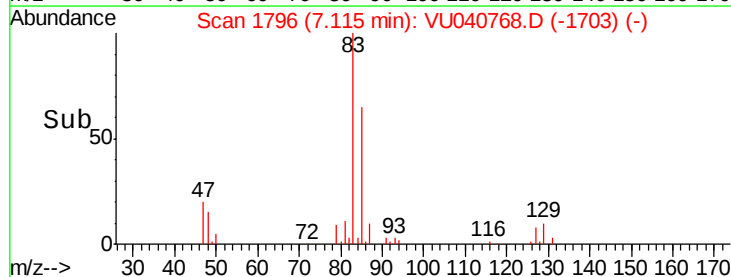
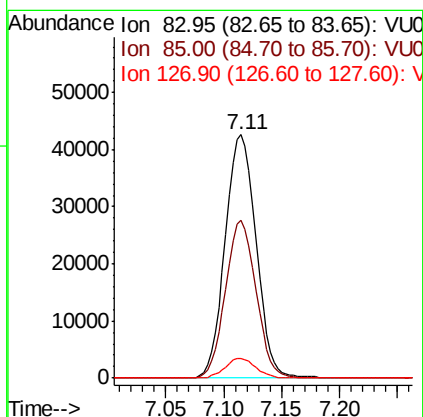
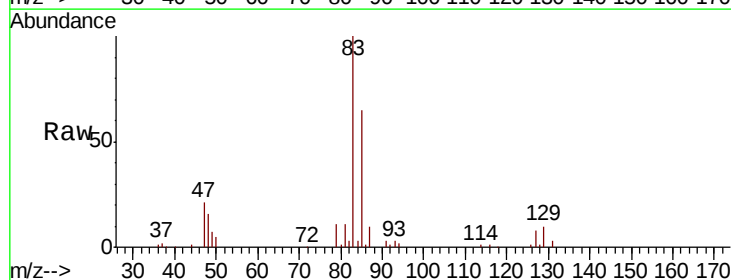
Instrument :
 MSVOA_U
 ClientSampleId :

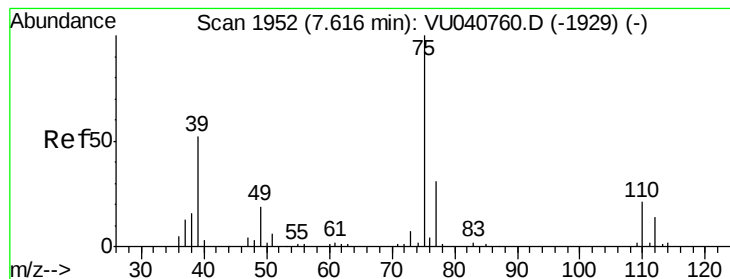
Tot Ion: 63 Resp: 60927
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.183 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

Tgt Ion: 83 Resp: 78688
 Ion Ratio Lower Upper
 83 100
 85 64.8 46.0 85.4
 127 7.8 6.7 10.1



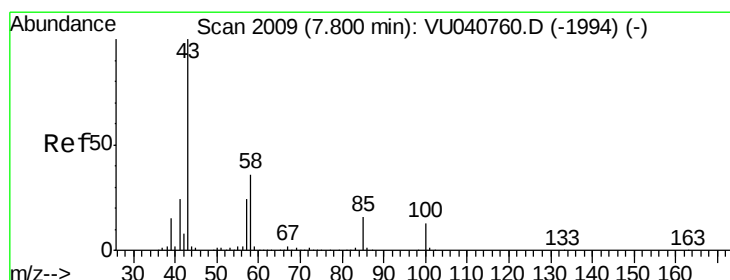
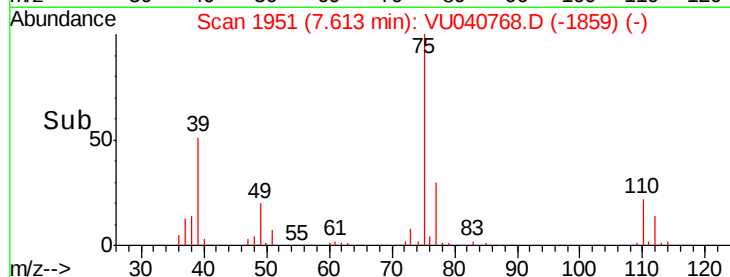
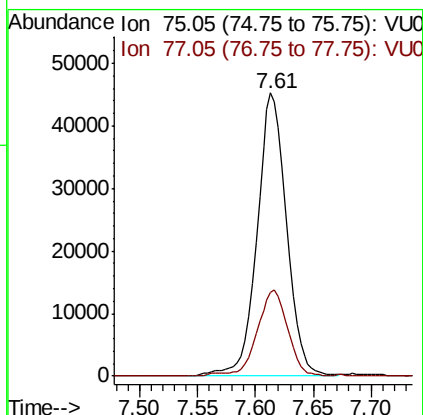
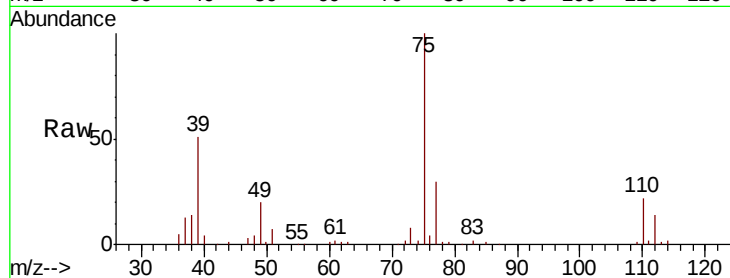


#39

cis-1,3-Dichloropropene
 Concen: 4.952 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

Instrument :
 MSVOA_U
 ClientSampleId :

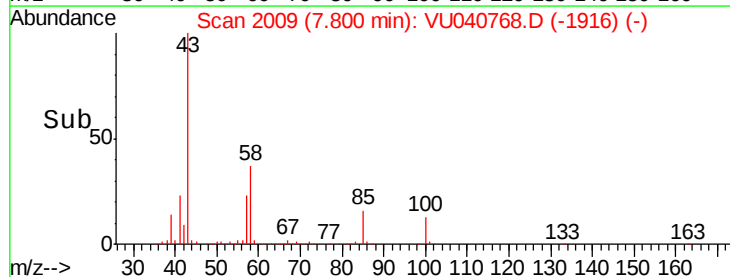
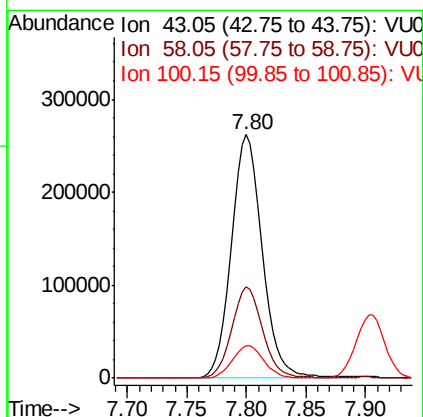
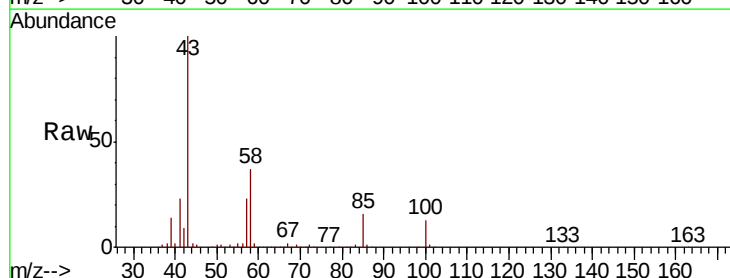
Tot Ion: 75 Resp: 80357
 Ion Ratio Lower Upper
 75 100
 77 29.7 20.5 38.1

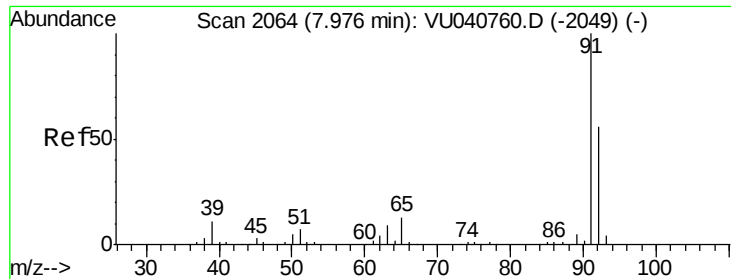


#40

4-Methyl-2-pentanone
 Concen: 49.874 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

Tgt Ion: 43 Resp: 472228
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.7 44.5
 100 13.5 10.7 16.1





#42

Toluene

Concen: 5.062 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

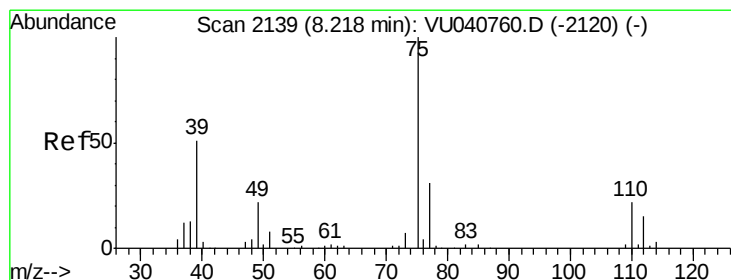
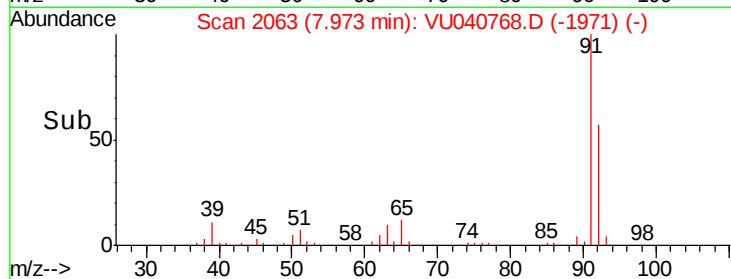
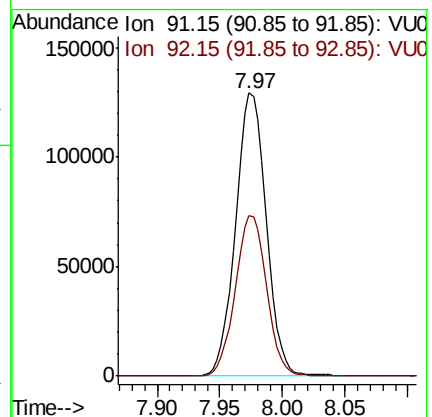
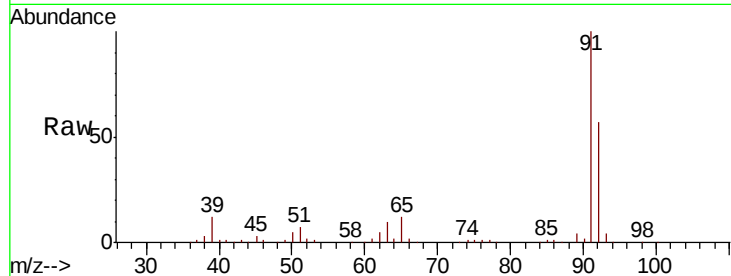
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 219864

Ion Ratio Lower Upper

91 100

92 56.7 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.133 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040768.D

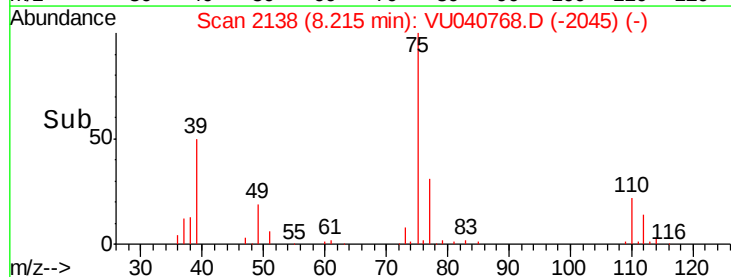
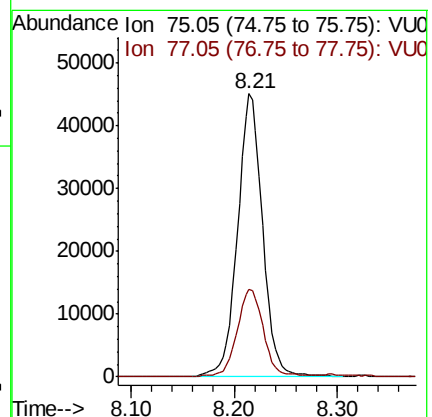
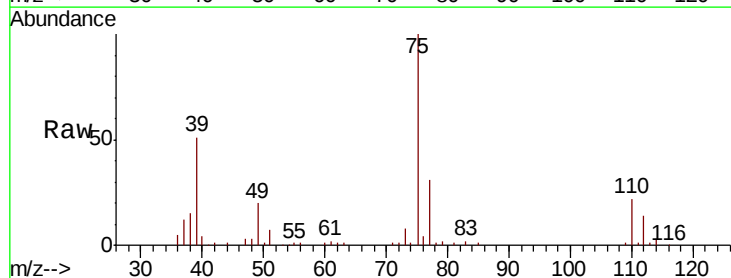
Acq: 17 Oct 2020 16:26

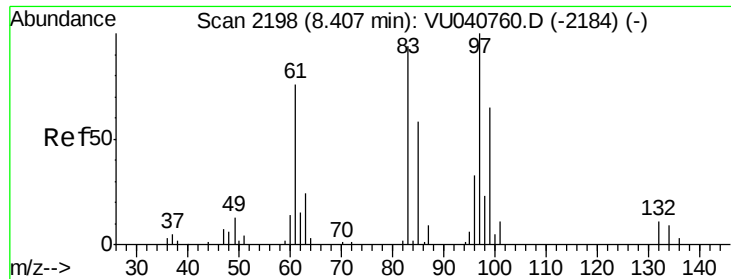
Tgt Ion: 75 Resp: 76683

Ion Ratio Lower Upper

75 100

77 31.0 20.4 38.0

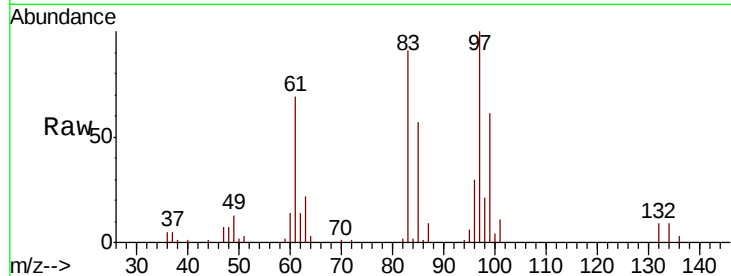




#45
 1,1,2-Trichloroethane
 Concen: 5.012 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	44577
Ion	Ratio	Lower	Upper
97	100		
99	61.1	44.0	81.6
83	90.6	62.9	116.9
85	57.5	40.3	74.8



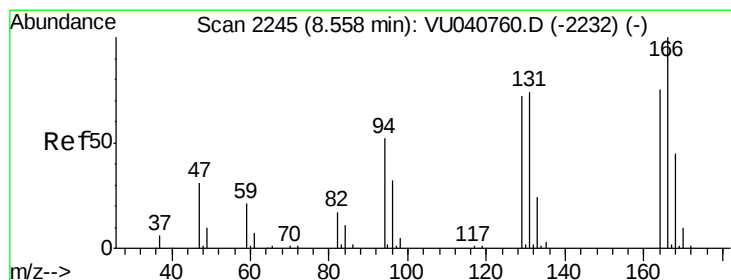
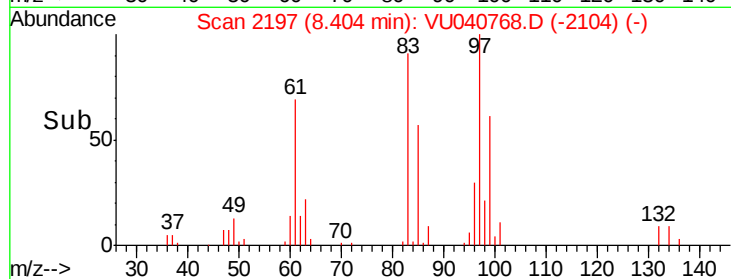
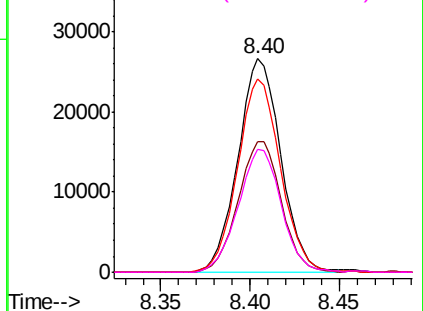
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

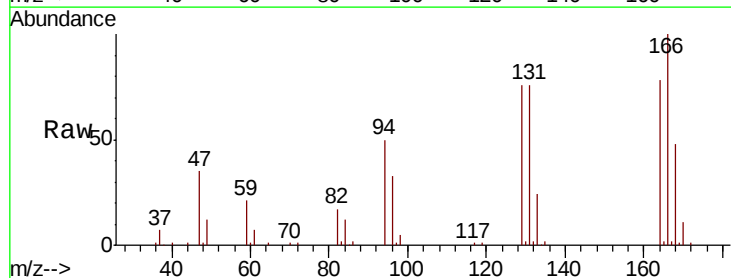
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.984 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

Tgt Ion:	164	Resp:	39286
Ion	Ratio	Lower	Upper
164	100		
129	98.1	68.8	127.8
131	97.8	66.7	123.9
166	128.6	83.9	155.7



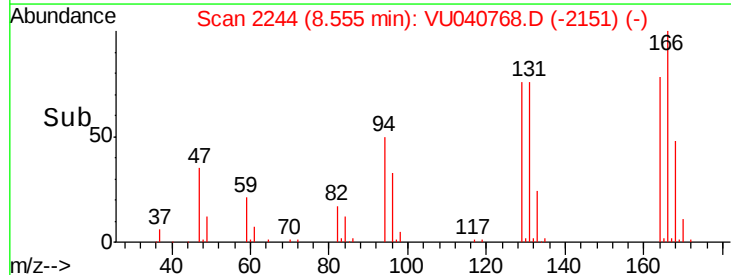
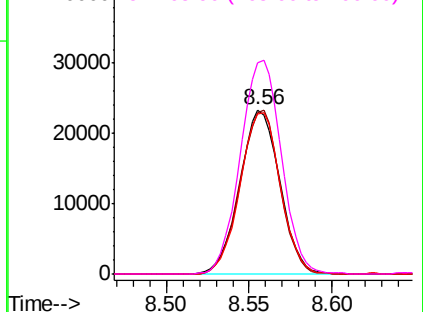
Abundance

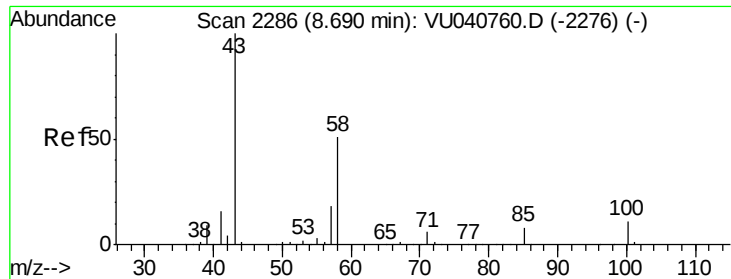
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

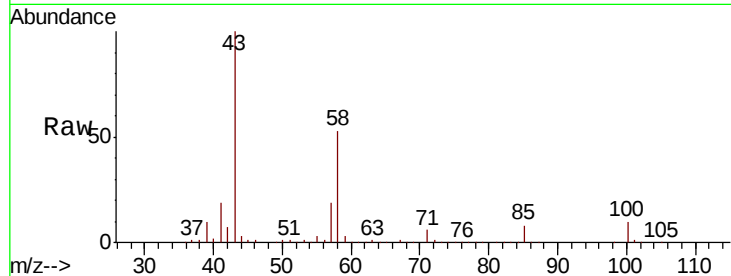




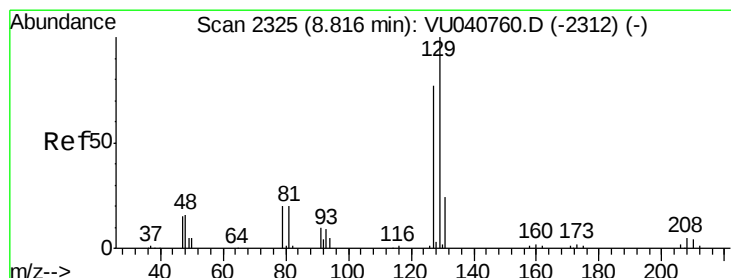
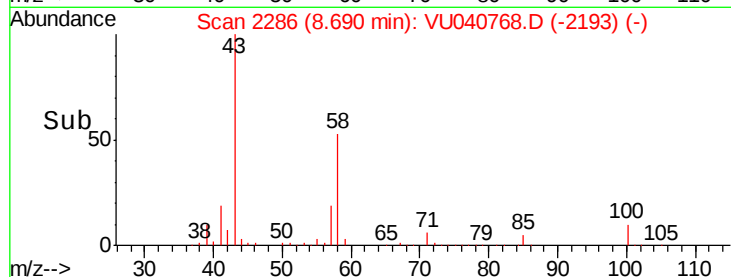
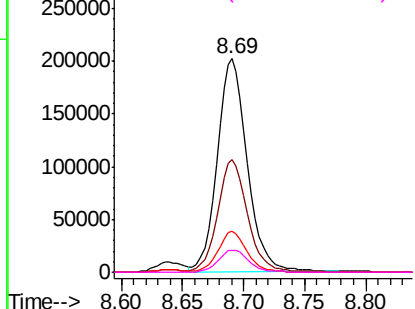
#48
2-Hexanone
Concen: 49.370 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 348028
Ion Ratio Lower Upper
43 100
58 52.8 41.0 61.6
57 18.5 14.4 21.6
100 10.7 8.6 13.0

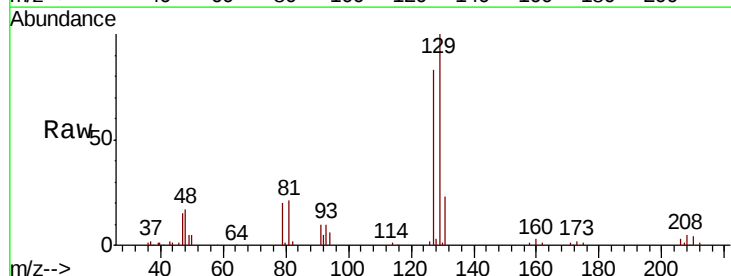


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

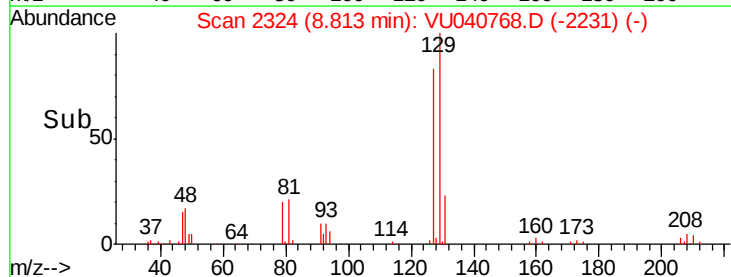
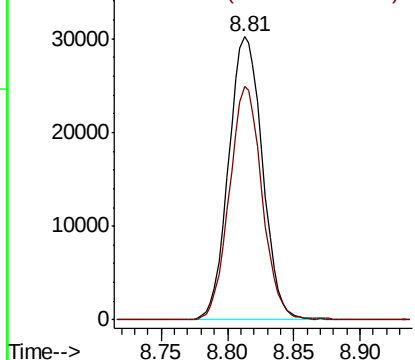


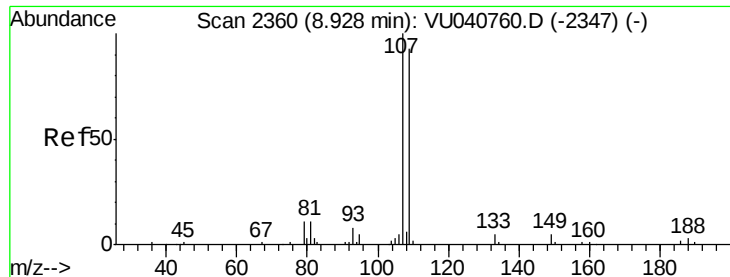
#49
Dibromochloromethane
Concen: 5.248 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

Tgt Ion: 129 Resp: 53707
Ion Ratio Lower Upper
129 100
127 82.6 55.8 103.6



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

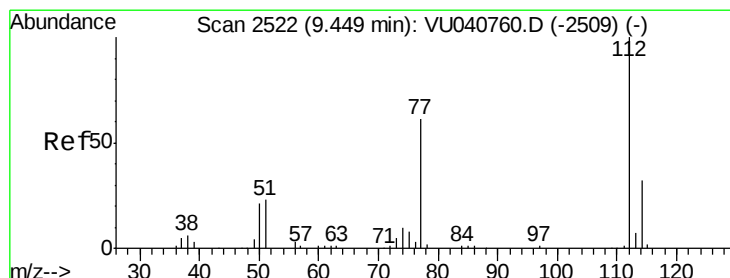
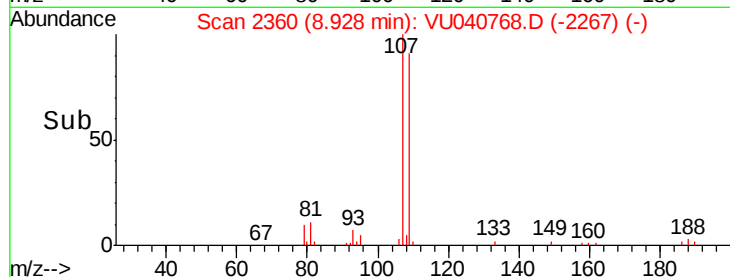
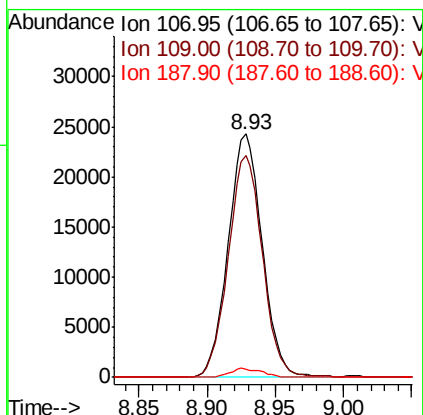
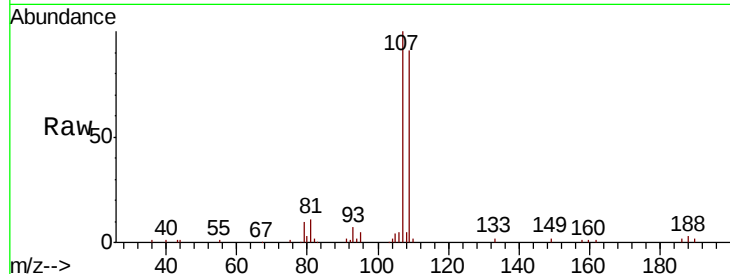




#50
 1,2-Dibromoethane
 Concen: 4.993 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

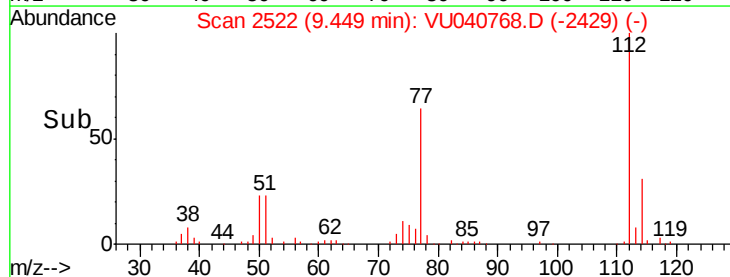
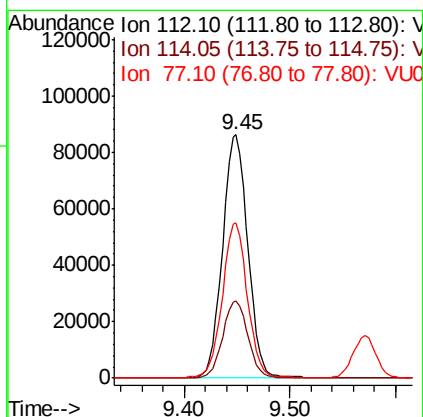
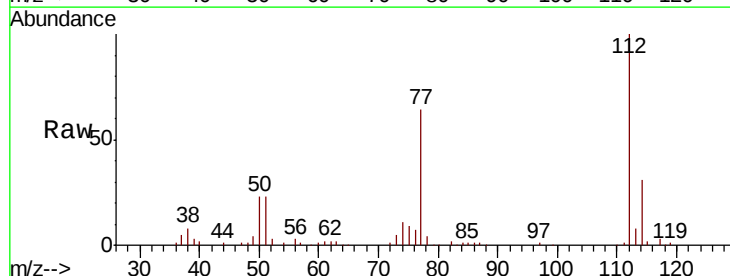
Instrument :
 MSVOA_U
 ClientSampleId :

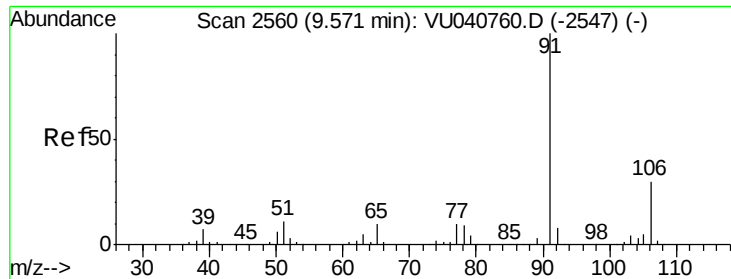
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	65.7	121.9
188	3.4	3.0	4.4



#51
 Chlorobenzene
 Concen: 4.997 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	23.1	42.9
77	64.0	50.3	75.5





#52

Ethylbenzene

Concen: 5.089 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

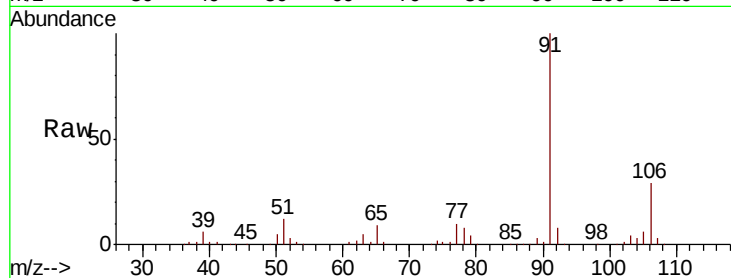
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 239227

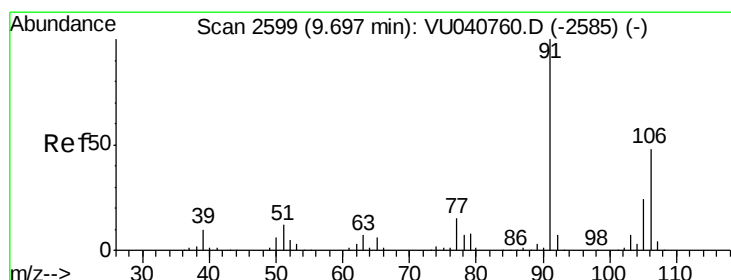
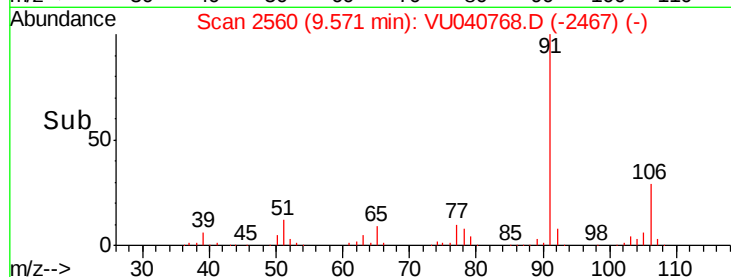
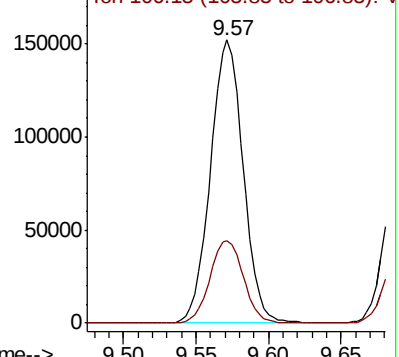
Ion Ratio Lower Upper

91 100

106 29.2 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VU040768.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.167 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040768.D

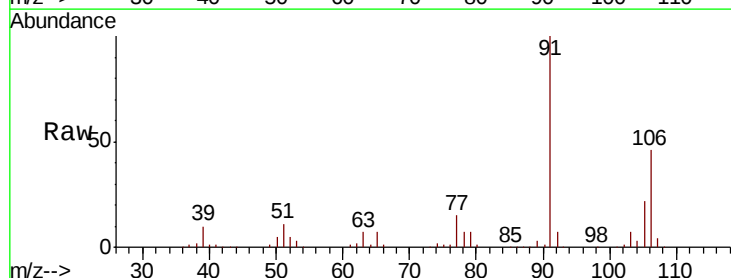
Acq: 17 Oct 2020 16:26

Tgt Ion: 106 Resp: 88531

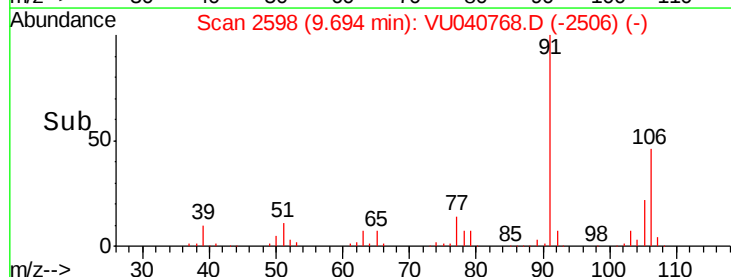
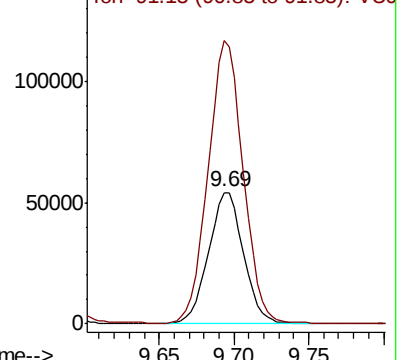
Ion Ratio Lower Upper

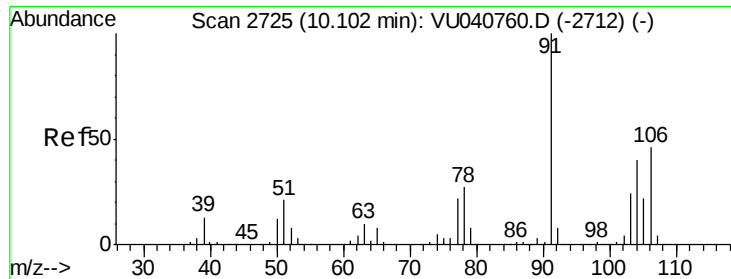
106 100

91 215.1 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): VU040768.D (-2598) (-)

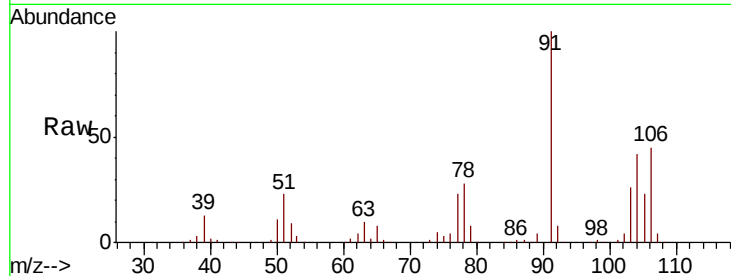




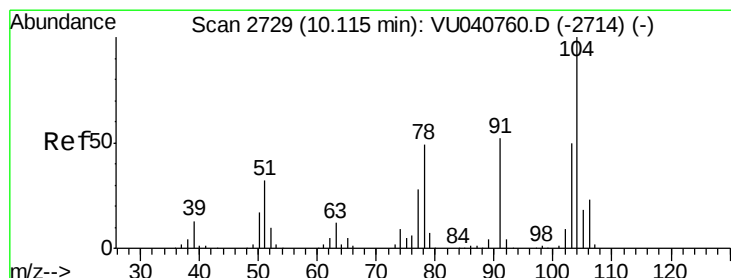
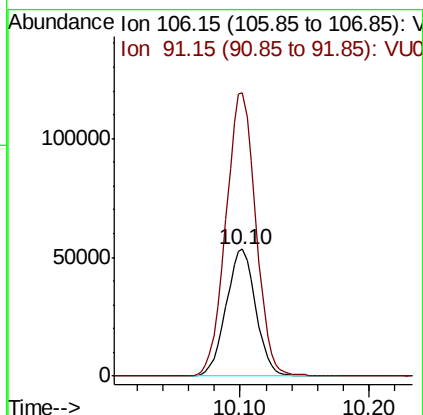
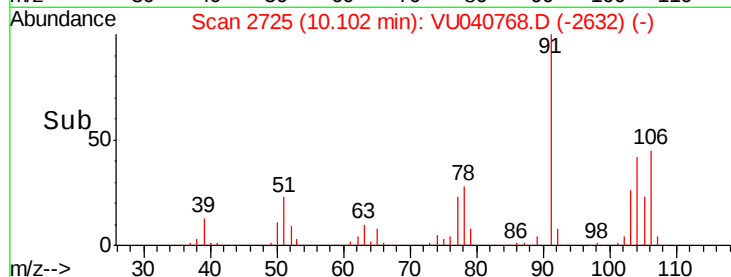
#54
o-Xylene
Concen: 5.160 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 85023
Ion Ratio Lower Upper
106 100
91 223.3 160.2 297.4

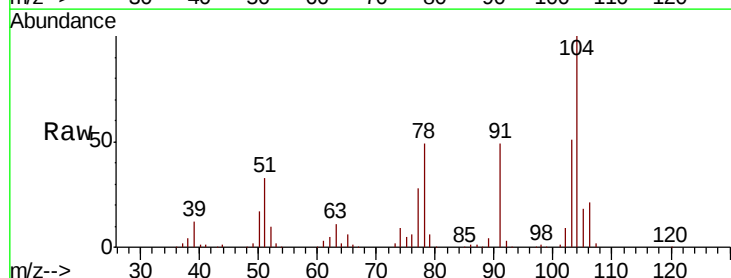


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

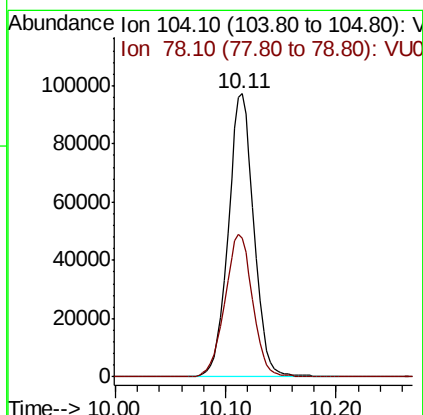
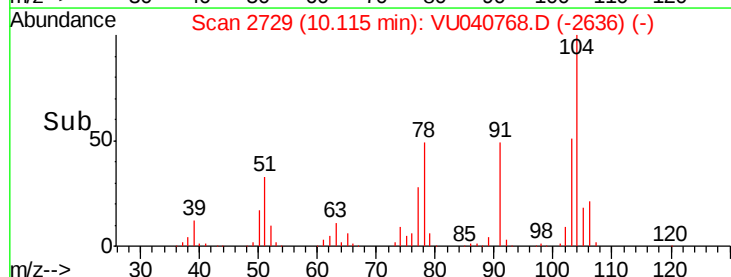


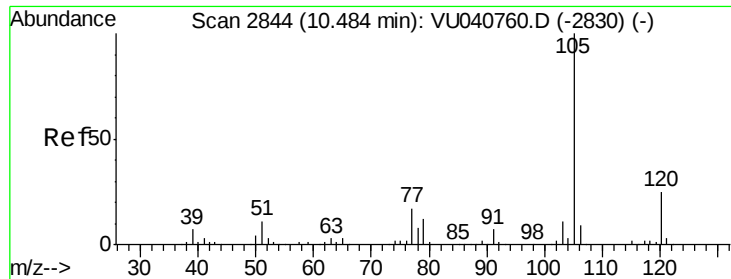
#55
Styrene
Concen: 5.466 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

Tgt Ion:104 Resp: 156412
Ion Ratio Lower Upper
104 100
78 48.9 34.6 64.3



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





#56

Isopropylbenzene

Concen: 5.279 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

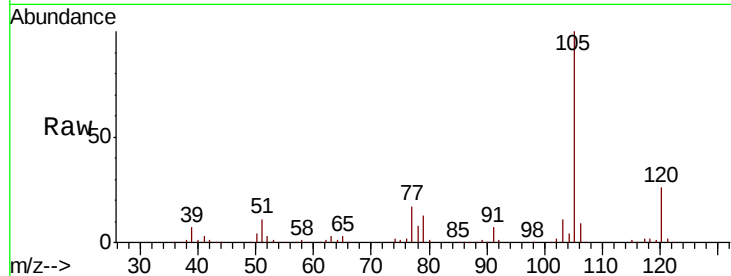
Tot Ion:105 Resp: 234165

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

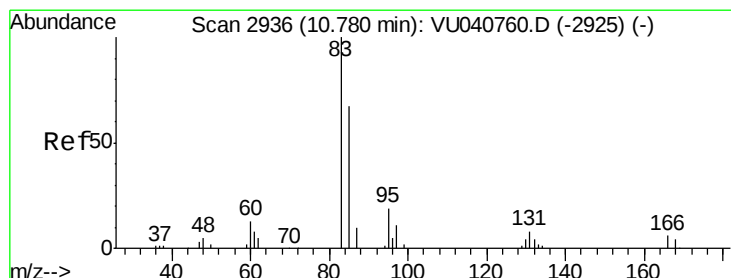
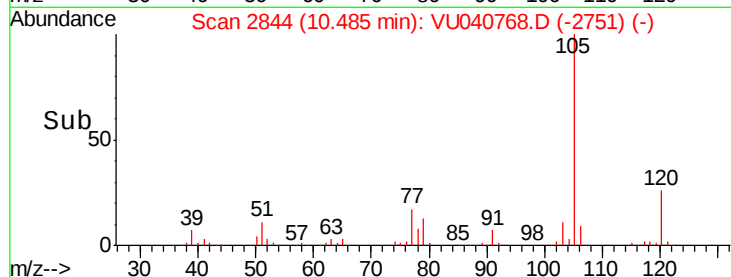
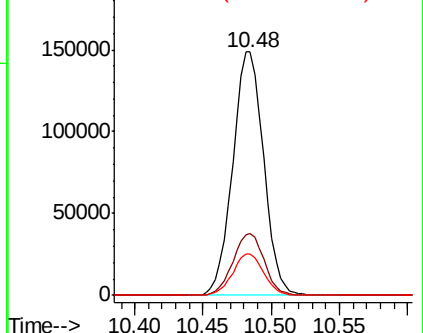
77 17.1 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.996 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

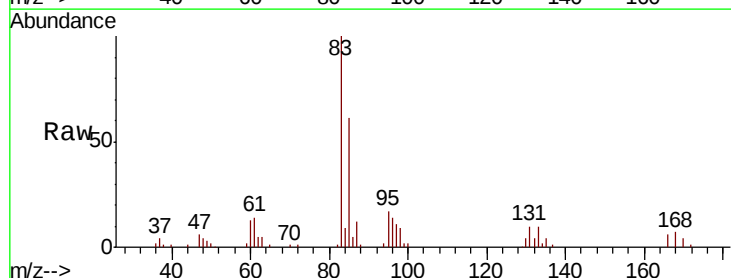
Tgt Ion: 83 Resp: 58350

Ion Ratio Lower Upper

83 100

85 61.3 45.6 84.6

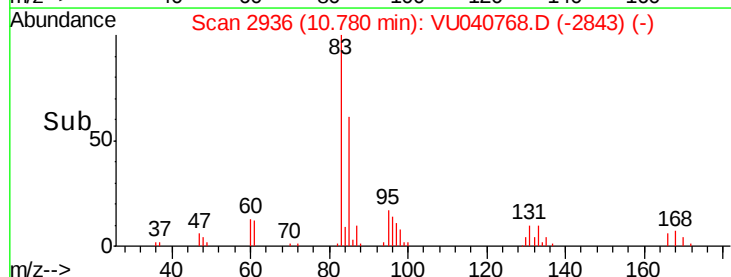
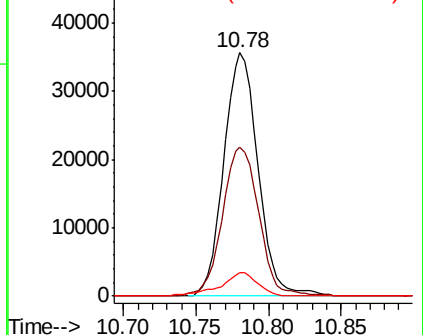
131 9.8 7.1 10.7

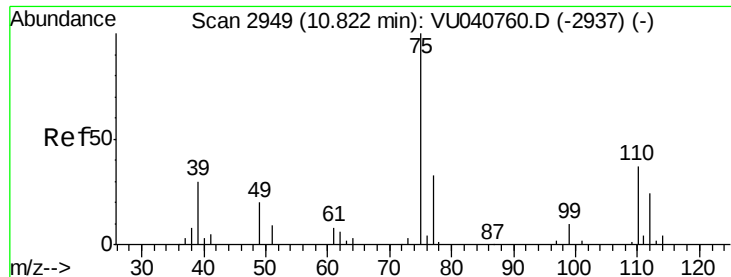


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.984 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

Instrument :

MSVOA_U

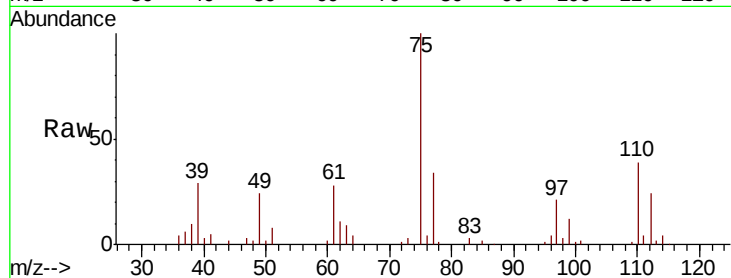
ClientSampleId :

Tot Ion: 75 Resp: 43481

Ion Ratio Lower Upper

75 100

77 33.3 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU040768.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU040768.D (-2937) (-)

10.82

25000

20000

15000

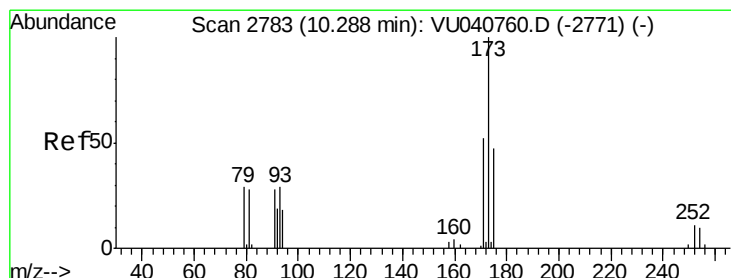
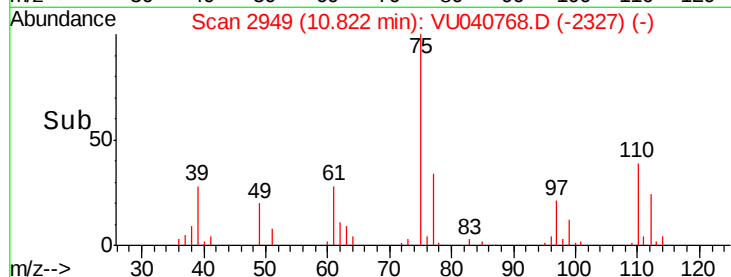
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 5.207 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

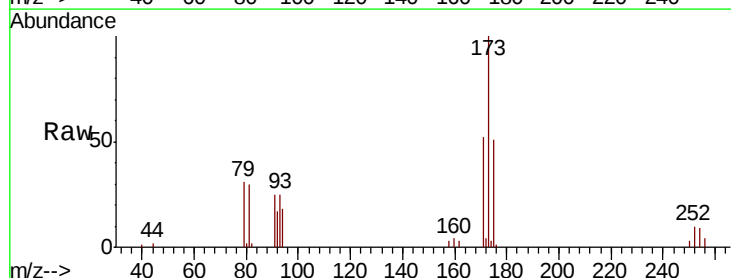
Tgt Ion: 173 Resp: 30870

Ion Ratio Lower Upper

173 100

175 48.1 37.4 56.0

254 8.2 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VU040768.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040768.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040768.D (-2771) (-)

10.29

25000

20000

15000

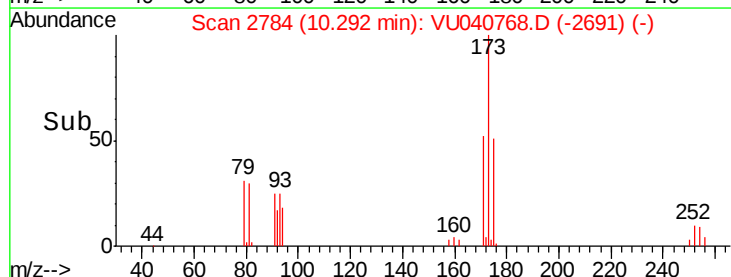
10000

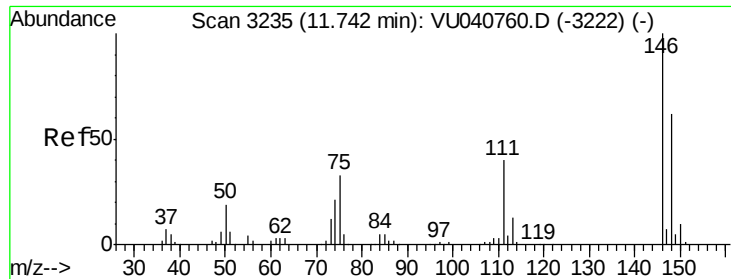
5000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 5.215 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

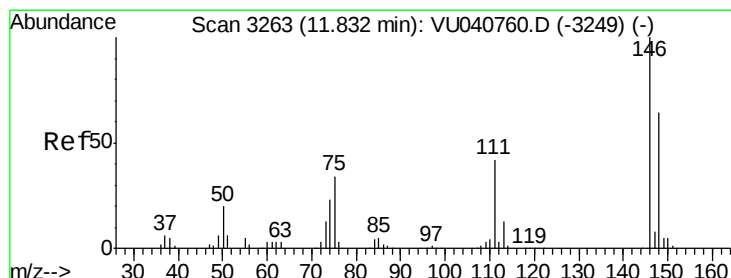
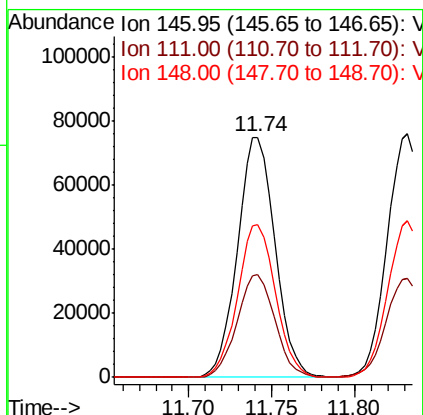
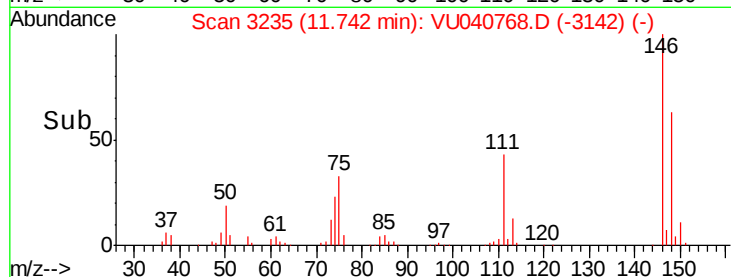
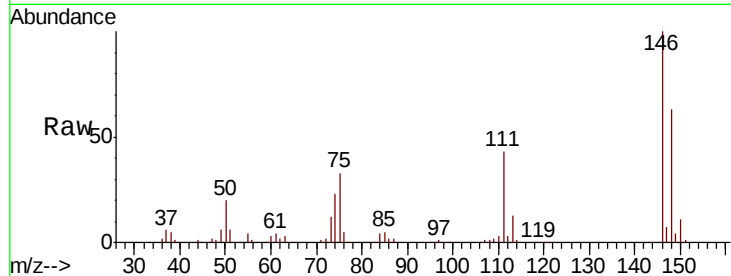
Tot Ion:146 Resp: 118047

Ion Ratio Lower Upper

146 100

111 42.7 28.8 53.6

148 63.3 44.4 82.4



#63

1,4-Dichlorobenzene

Concen: 5.137 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

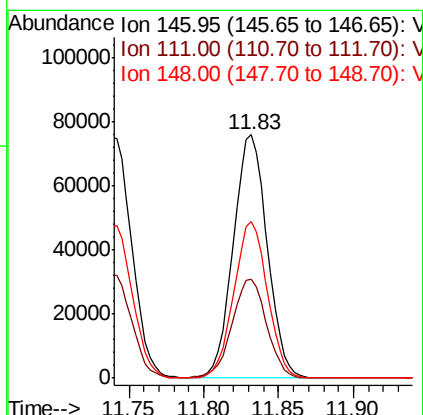
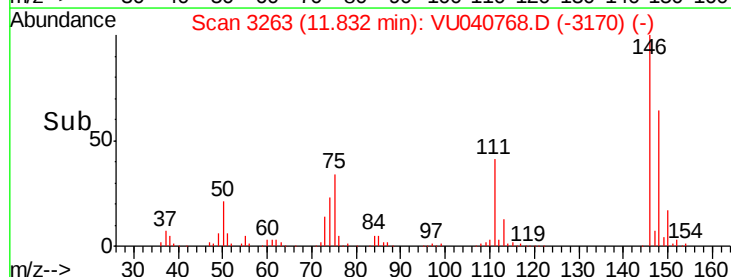
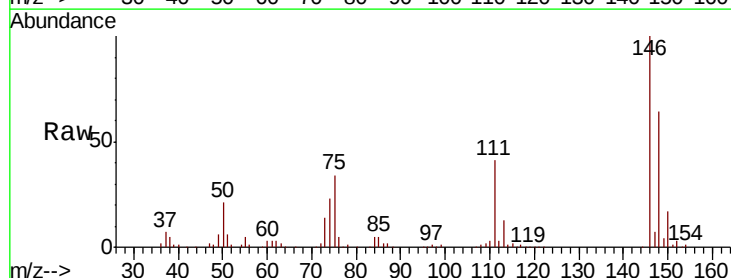
Tgt Ion:146 Resp: 119900

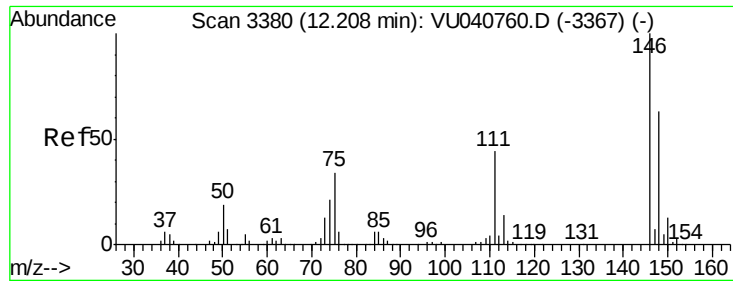
Ion Ratio Lower Upper

146 100

111 40.7 28.4 52.8

148 64.1 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 5.098 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

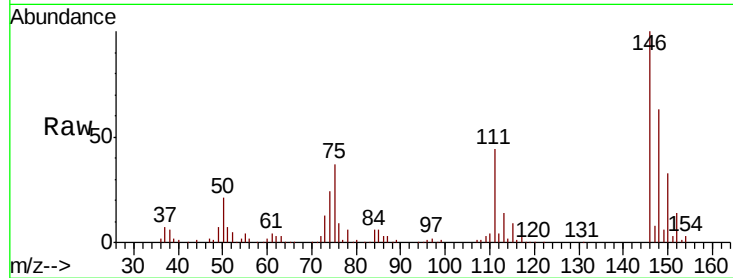
Tot Ion:146 Resp: 112821

Ion Ratio Lower Upper

146 100

111 43.9 34.4 51.6

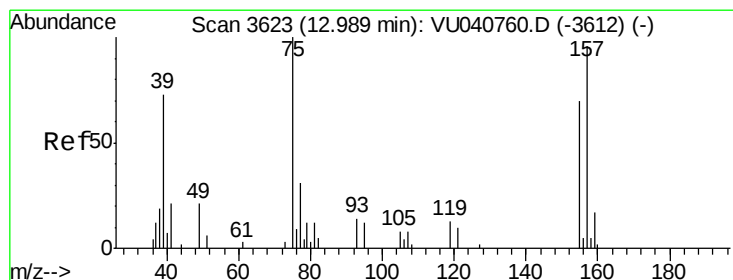
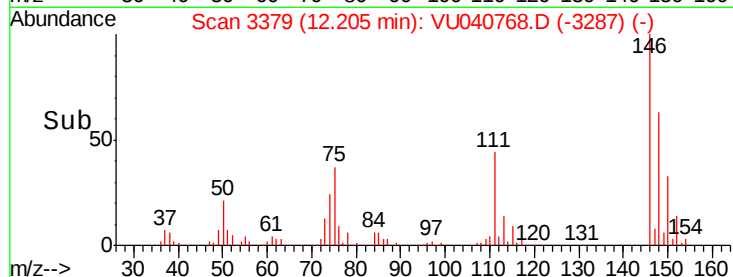
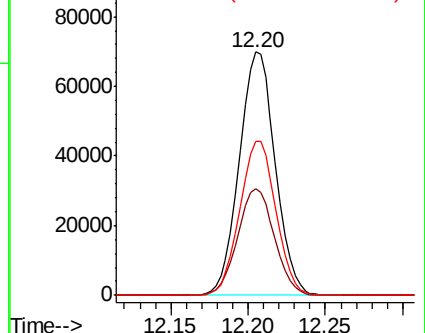
148 63.5 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.994 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040768.D

Acq: 17 Oct 2020 16:26

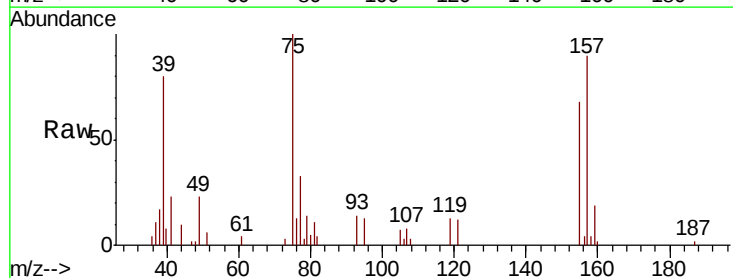
Tgt Ion: 75 Resp: 9678

Ion Ratio Lower Upper

75 100

155 67.8 53.8 80.6

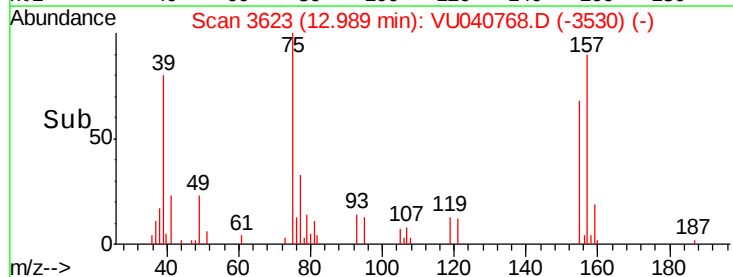
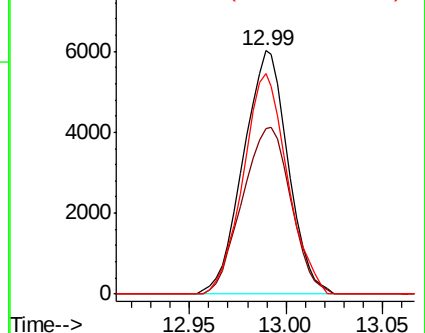
157 90.4 74.6 112.0

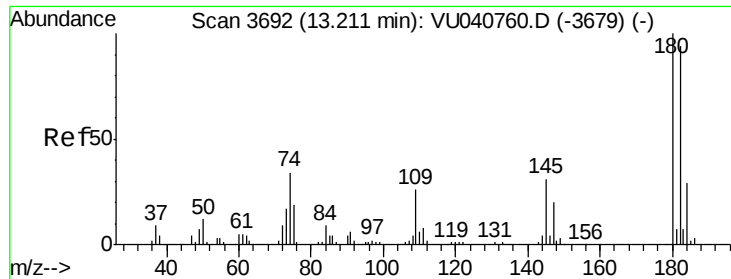


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

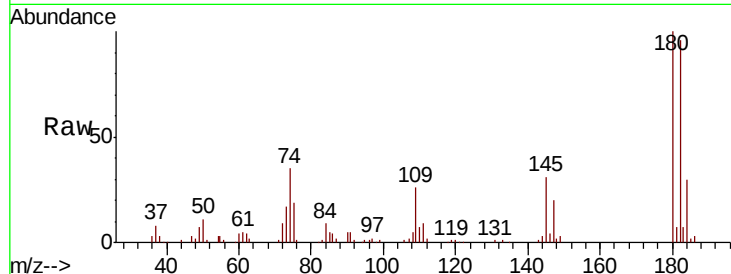




#67
 1,3,5-Trichlorobenzene
 Concen: 5.065 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.0	115.4
184	30.6	24.5	36.7
145	30.7	25.9	38.9



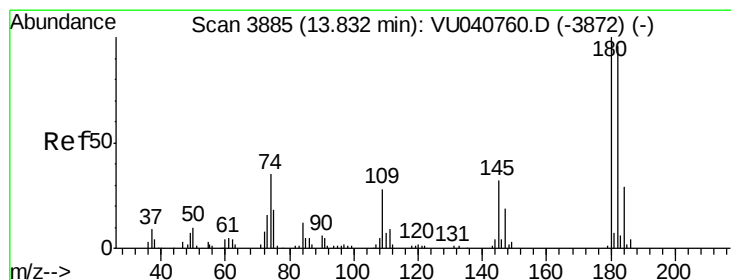
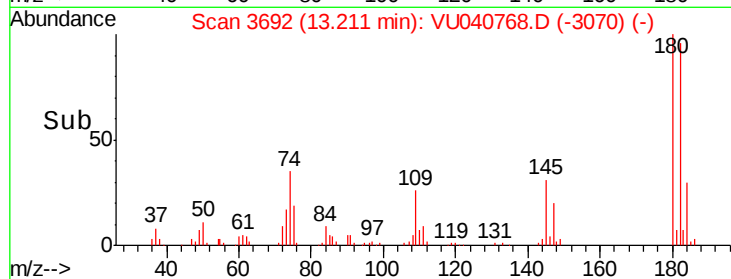
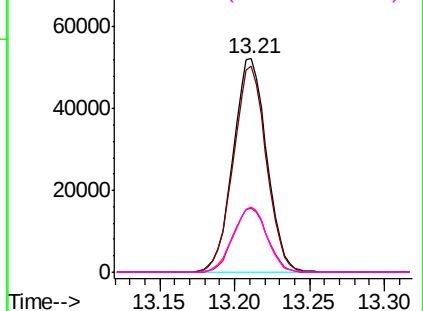
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

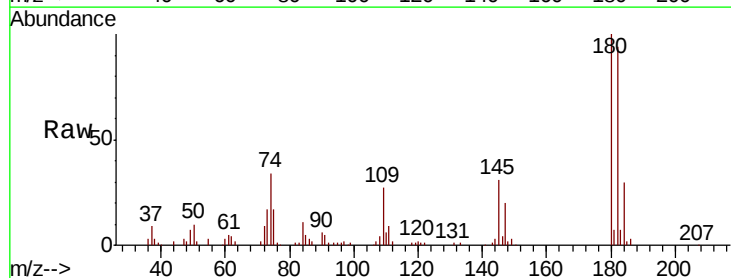
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.486 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040768.D
 Acq: 17 Oct 2020 16:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	78.8	118.2
145	31.1	26.1	39.1

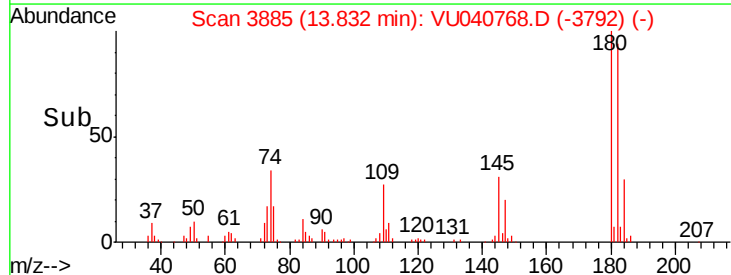
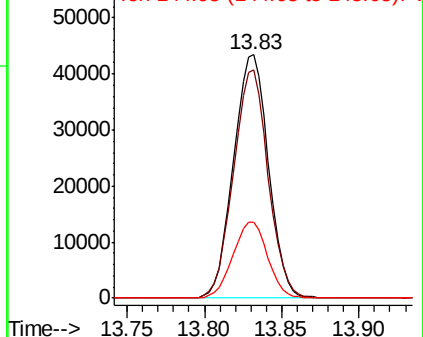


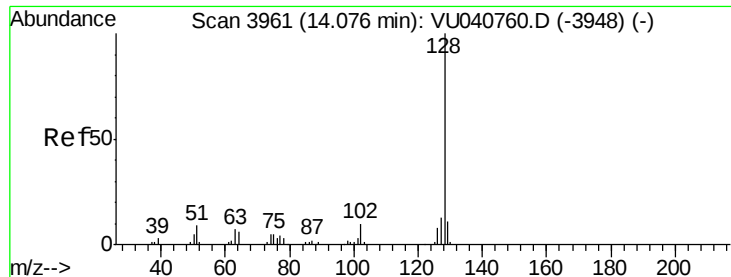
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

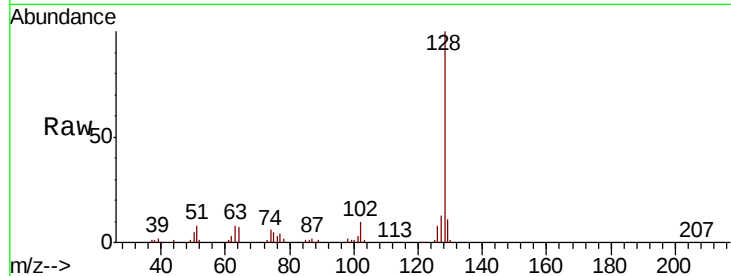




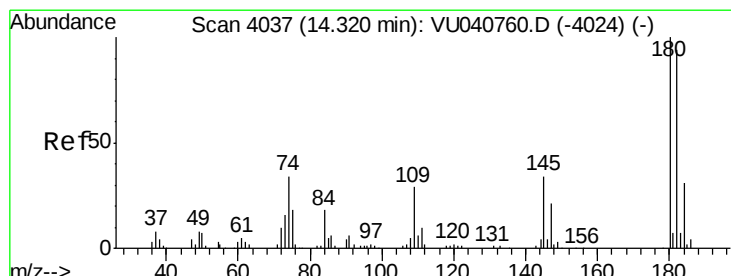
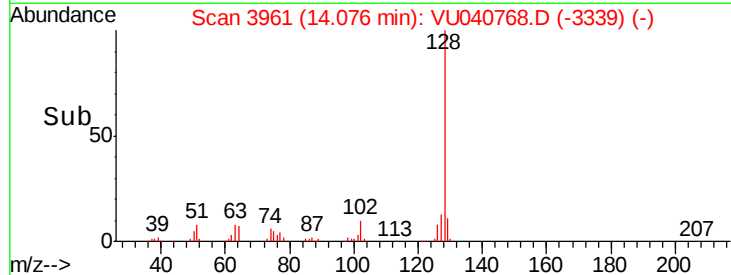
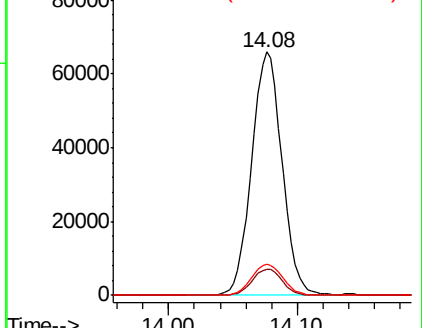
#69
Naphthalene
Concen: 5.356 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 108731
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 13.2 10.2 15.4

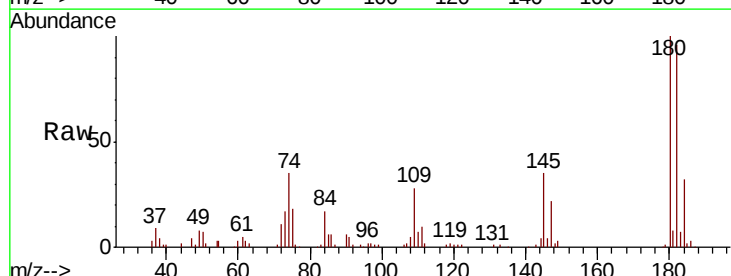


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 5.484 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU040768.D
Acq: 17 Oct 2020 16:26

Tgt Ion:180 Resp: 63196
Ion Ratio Lower Upper
180 100
182 96.5 75.8 113.8
145 34.2 27.4 41.2



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

