

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038410.D
 Acq On : 30 May 2020 13:24
 Operator : JC/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 02:08:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:06:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	356088	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	344272	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	173262	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	115403	5.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.20%
7) Chloroethane-d5	1.93	69	88082	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.59	63	221826	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	4.68	46	352160	50.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.60%
24) Chloroform-d	5.10	84	212431	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.74	65	117859	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.76	84	427204	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.72	67	129311	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.93	98	381005	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	8.20	79	55835	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.66	63	289362	51.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.10%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	111781	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	148343	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	132810	4.732	ug/L 99
3) Chloromethane	1.53	50	129462	5.023	ug/L 99
5) Vinyl chloride	1.62	62	139145	5.039	ug/L 97
6) Bromomethane	1.88	94	70380	5.250	ug/L 98
8) Chloroethane	1.95	64	81003	4.896	ug/L 100
9) Trichlorofluoromethane	2.16	101	176922	4.830	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	100770	4.671	ug/L 98
12) 1,1-Dichloroethene	2.60	96	106779	4.869	ug/L 95
13) Acetone	2.69	43	223537	48.789	ug/L 99
14) Carbon disulfide	2.82	76	368418	4.951	ug/L 99
15) Methyl Acetate	2.99	43	54972	4.897	ug/L 97
16) Methylene chloride	3.08	84	120116	4.840	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	294124	5.115	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	117764	4.983	ug/L 97
19) 1,1-Dichloroethane	3.91	63	210287	4.972	ug/L 98
21) 2-Butanone	4.76	43	398810	51.750	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	123901	4.869	ug/L 97

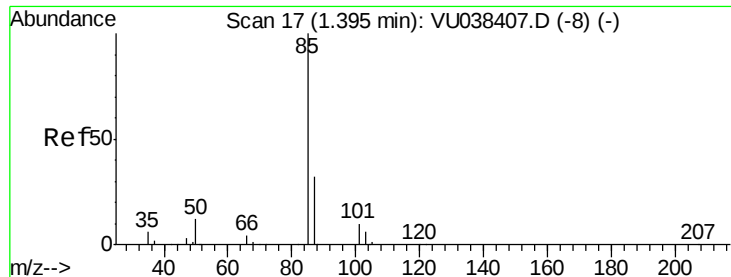
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038410.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 02:06:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	56051	4.894	ug/L	94
25) Chloroform	5.12	83	211999	4.934	ug/L	99
27) 1,2-Dichloroethane	5.83	62	146049	4.828	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	183648	5.041	ug/L	99
30) Cyclohexane	5.42	56	186334	4.878	ug/L	97
31) Carbon tetrachloride	5.56	117	150996	4.979	ug/L	99
33) Benzene	5.81	78	476987	4.968	ug/L	100
34) Trichloroethene	6.57	95	122953	4.935	ug/L	95
35) Methylcyclohexane	6.79	83	174682	4.528	ug/L	98
37) 1,2-Dichloropropane	6.82	63	122554	5.073	ug/L	100
38) Bromodichloromethane	7.13	83	150620	5.020	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	183990	5.153	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	879771	50.923	ug/L	99
42) Toluene	8.00	91	499864	4.964	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	158570	5.029	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	91826	5.038	ug/L	97
47) Tetrachloroethene	8.58	164	87871	4.854	ug/L	97
48) 2-Hexanone	8.71	43	676025	51.669	ug/L	100
49) Dibromochloromethane	8.83	129	99394	5.053	ug/L	99
50) 1,2-Dibromoethane	8.95	107	89242	5.114	ug/L	97
51) Chlorobenzene	9.47	112	315943	4.865	ug/L	97
52) Ethylbenzene	9.59	91	554928	4.953	ug/L	100
53) m,p-Xylene	9.71	106	215280	4.997	ug/L	99
54) o-Xylene	10.12	106	207859	5.026	ug/L	97
55) Styrene	10.13	104	357550	5.093	ug/L	99
56) Isopropylbenzene	10.50	105	539752	4.958	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	112159	4.842	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	89098	4.941	ug/L	99
61) Bromoform	10.31	173	54720	5.070	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	253851	4.987	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	258359	5.005	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	244643	5.061	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	19635	5.017	ug/L	95
67) 1,3,5-Trichlorobenzene	13.25	180	190621	5.019	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	182457	5.190	ug/L	99
69) Naphthalene	14.12	128	384419	5.495	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	168410	5.265	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.732 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

Instrument :

MSVOA_U

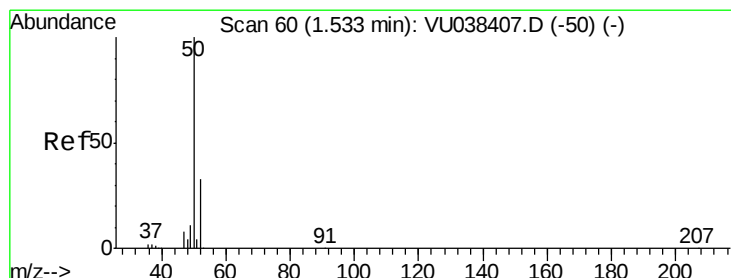
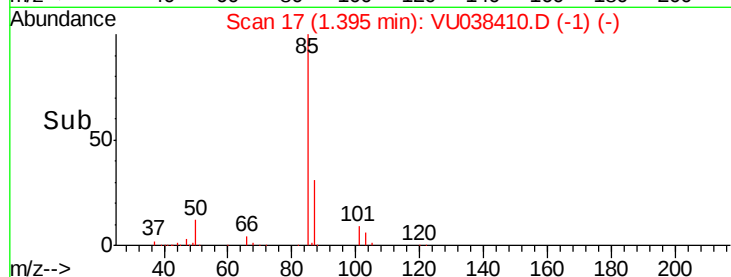
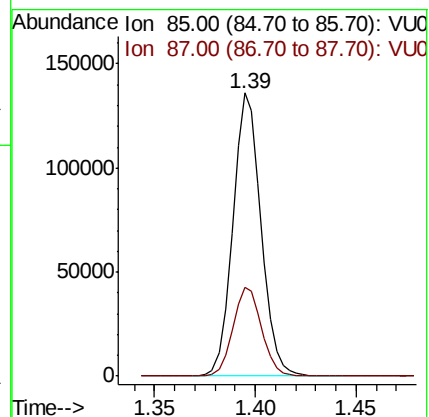
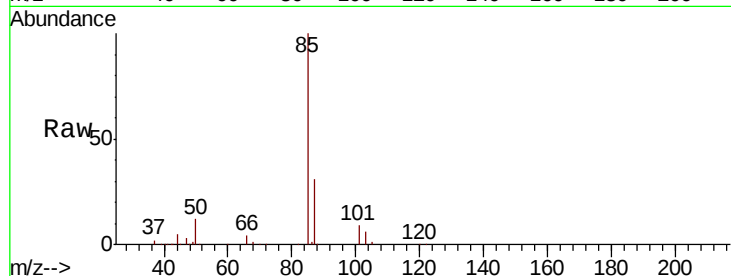
ClientSampleId :

Tot Ion: 85 Resp: 132810

Ion Ratio Lower Upper

85 100

87 32.0 25.2 37.8



#3

Chloromethane

Concen: 5.023 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038410.D

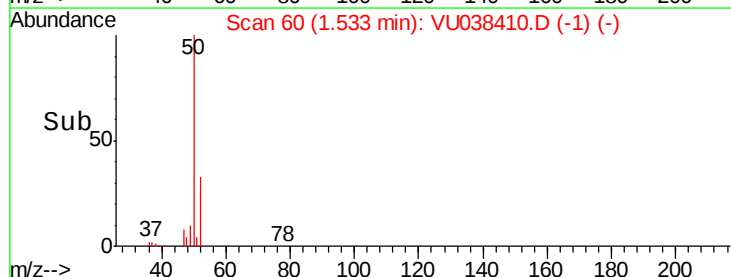
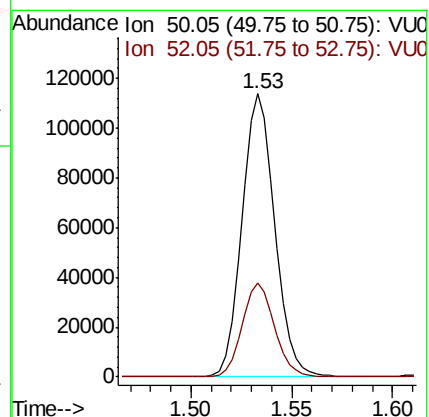
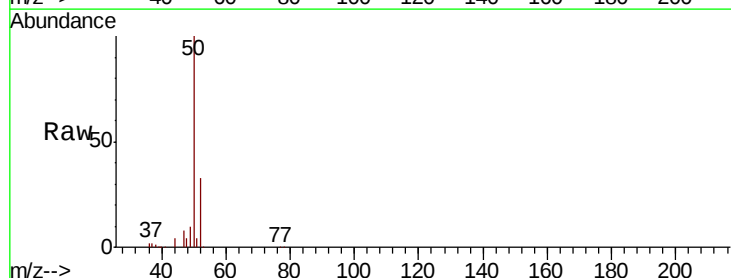
Acq: 30 May 2020 13:24

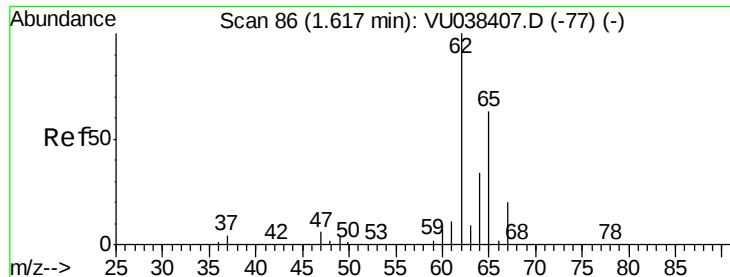
Tgt Ion: 50 Resp: 129462

Ion Ratio Lower Upper

50 100

52 33.2 22.9 42.5





#5

Vinyl chloride

Concen: 5.039 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

Instrument :

MSVOA_U

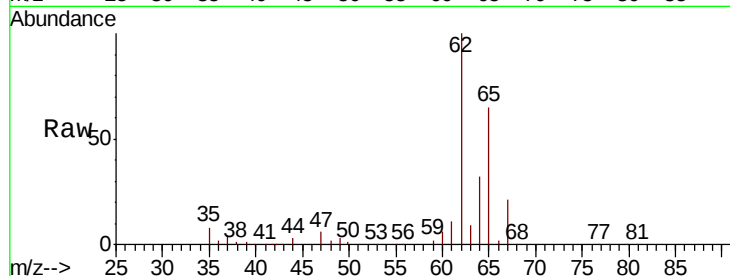
ClientSampled :

Tot Ion: 62 Resp: 139145

Ion Ratio Lower Upper

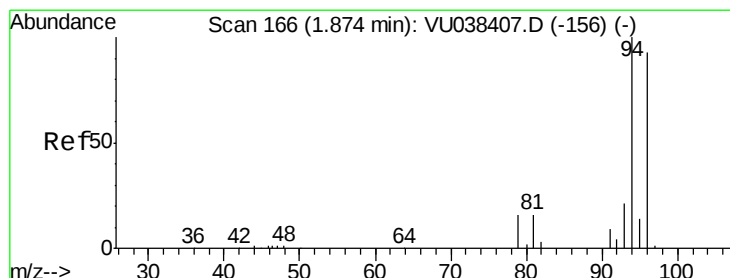
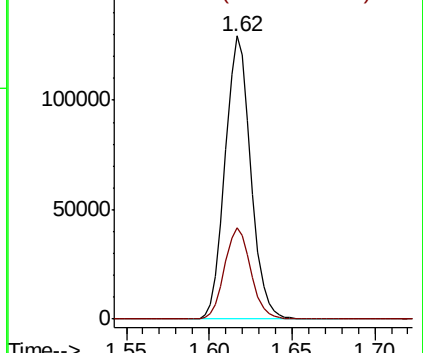
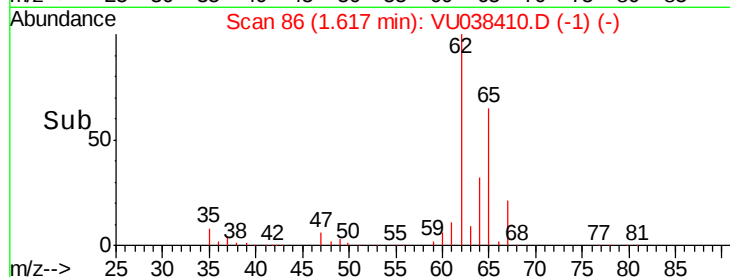
62 100

64 32.2 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU038410.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU038410.D (-1) (-)



#6

Bromomethane

Concen: 5.250 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038410.D

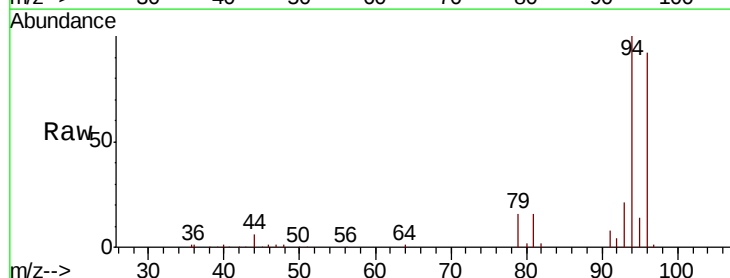
Acq: 30 May 2020 13:24

Tgt Ion: 94 Resp: 70380

Ion Ratio Lower Upper

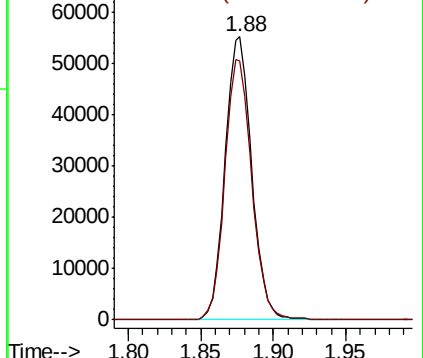
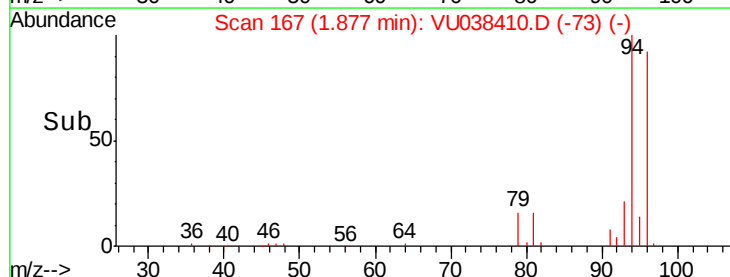
94 100

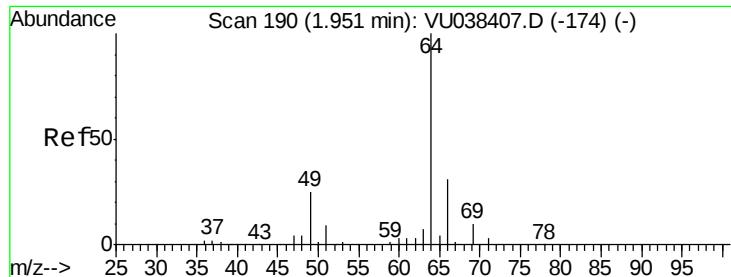
96 91.5 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU038410.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU038410.D (-73) (-)





#8

Chloroethane

Concen: 4.896 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

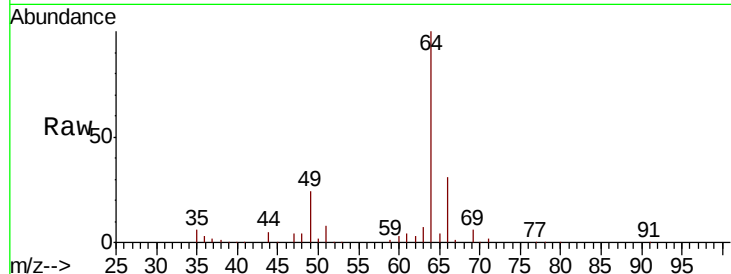
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 81003

Ion Ratio Lower Upper

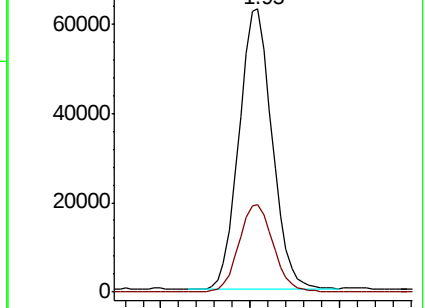
64 100

66 30.8 21.5 39.9

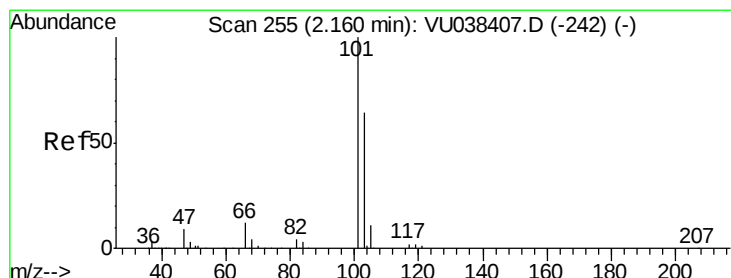
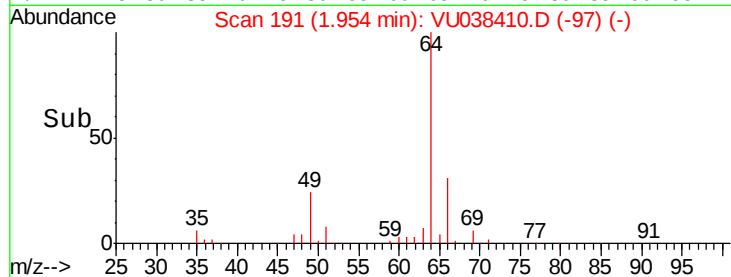


Abundance Ion 64.10 (63.80 to 64.80): VU038410.D (-191) (-)

Ion 66.05 (65.75 to 66.75): VU038410.D (-191) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 4.830 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038410.D

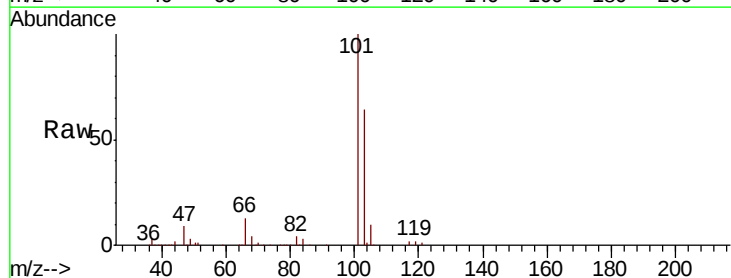
Acq: 30 May 2020 13:24

Tgt Ion:101 Resp: 176922

Ion Ratio Lower Upper

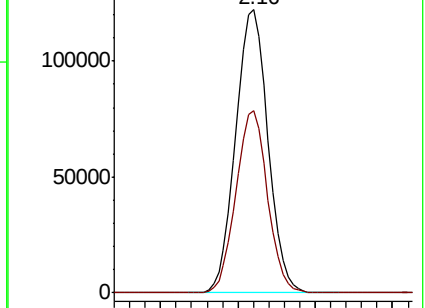
101 100

103 62.9 51.1 76.7

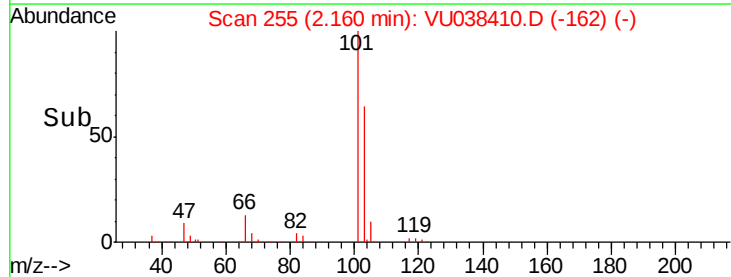


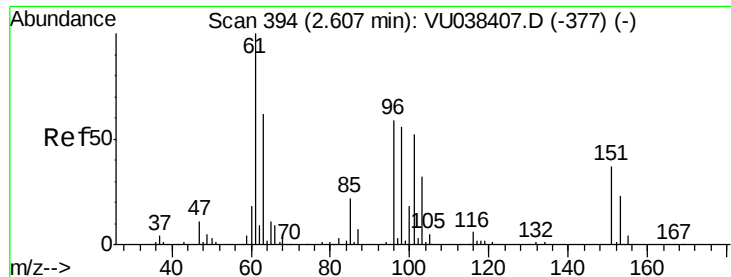
Abundance Ion 101.00 (100.70 to 101.70): VU038410.D (-255) (-)

Ion 103.00 (102.70 to 103.70): VU038410.D (-255) (-)



Time-->





#10

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

Concen: 4.671 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

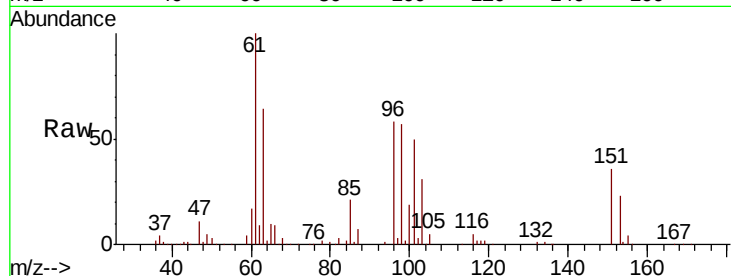
Tot Ion:101 Resp: 100770

Ion Ratio Lower Upper

101 100

85 44.9 34.0 51.0

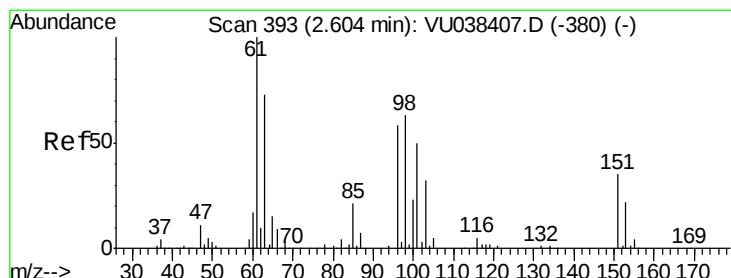
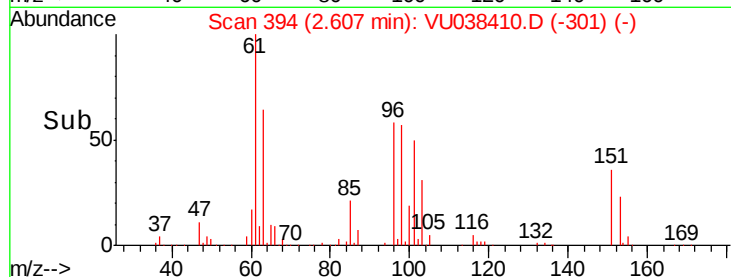
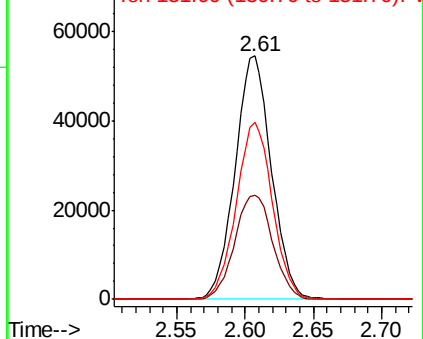
151 72.3 56.9 85.3



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: 4.869 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

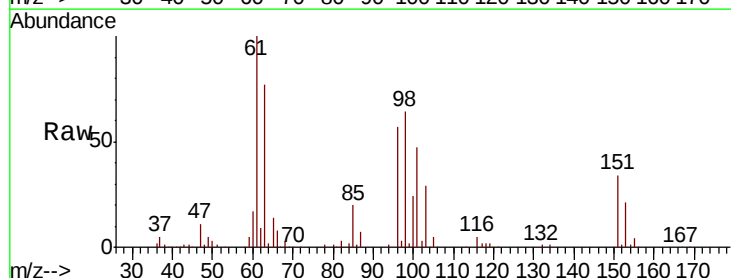
Tgt Ion: 96 Resp: 106779

Ion Ratio Lower Upper

96 100

61 176.7 119.9 222.7

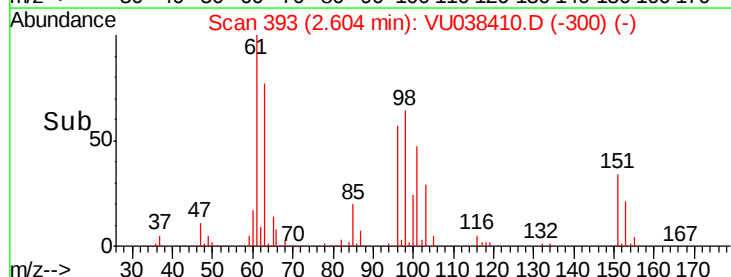
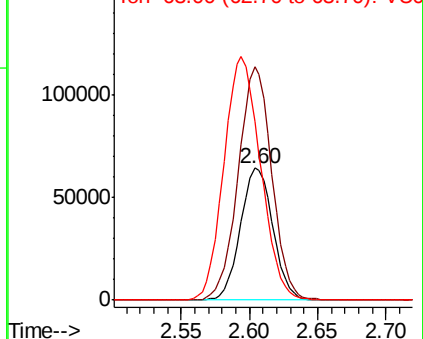
63 135.3 89.9 167.0

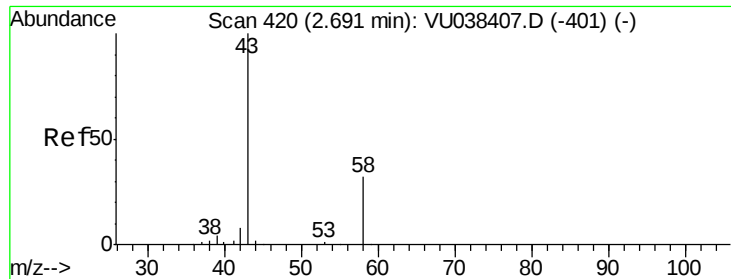


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.789 ug/L

RT: 2.69 min Scan# 420

Delta R.T. -0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

Instrument :

MSVOA_U

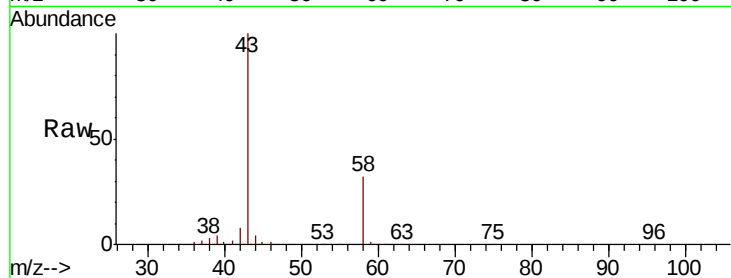
ClientSampled :

Tot Ion: 43 Resp: 223537

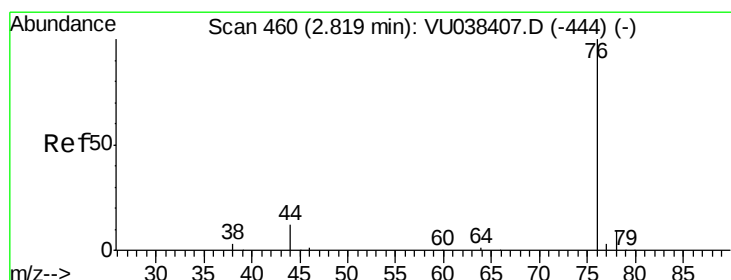
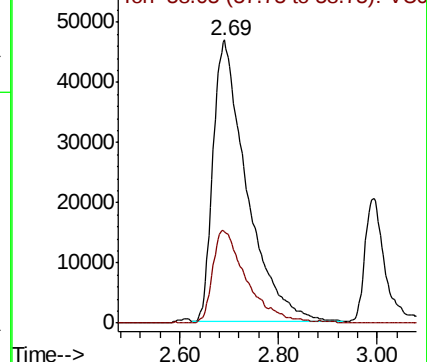
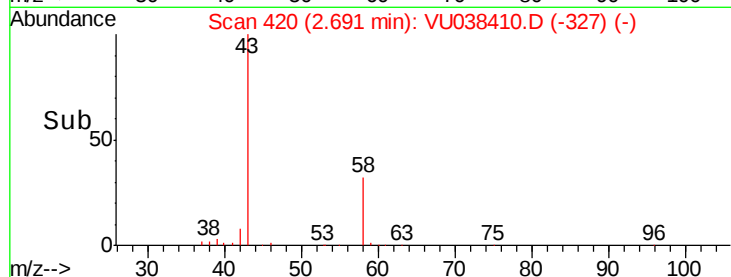
Ion Ratio Lower Upper

43 100

58 33.1 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038410.D (-327) (-)



#14

Carbon disulfide

Concen: 4.951 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038410.D

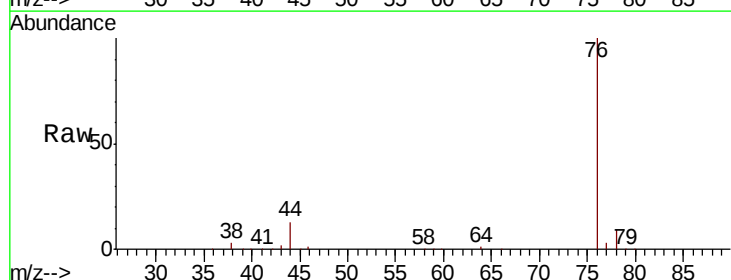
Acq: 30 May 2020 13:24

Tgt Ion: 76 Resp: 368418

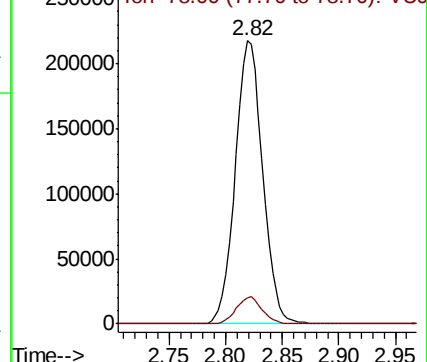
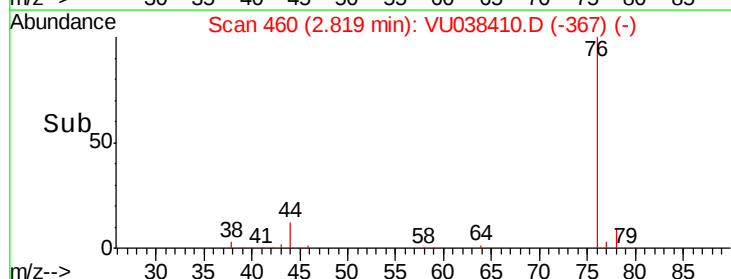
Ion Ratio Lower Upper

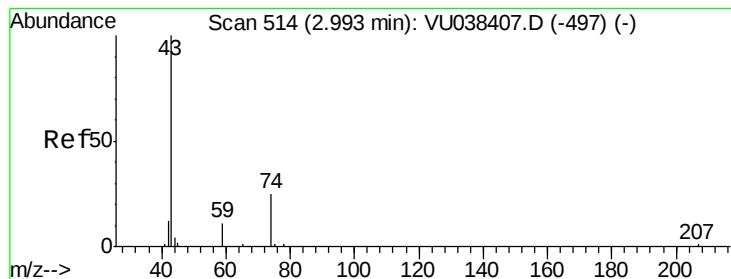
76 100

78 9.4 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038410.D (-367) (-)





#15

Methvl Acetate

Concen: 4.897 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

Instrument :

MSVOA_U

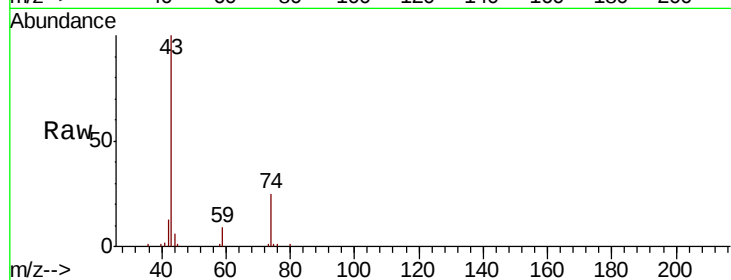
ClientSampled :

Tot Ion: 43 Resp: 54972

Ion Ratio Lower Upper

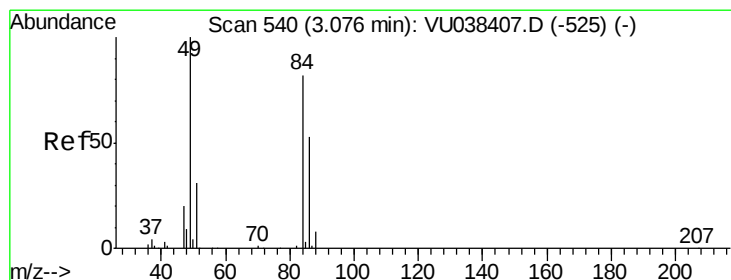
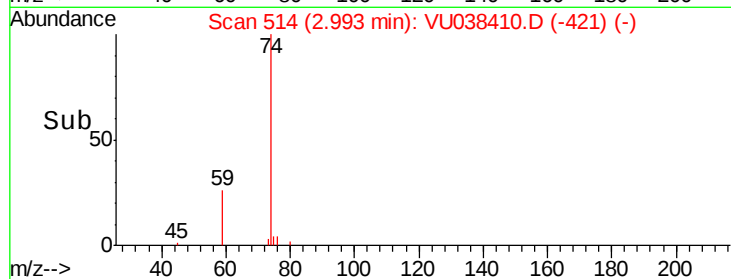
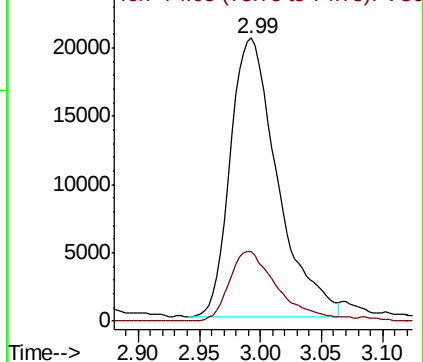
43 100

74 25.5 19.2 28.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.840 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

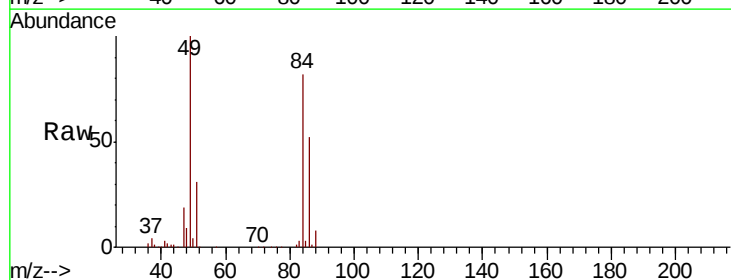
Tgt Ion: 84 Resp: 120116

Ion Ratio Lower Upper

84 100

86 63.4 45.0 83.6

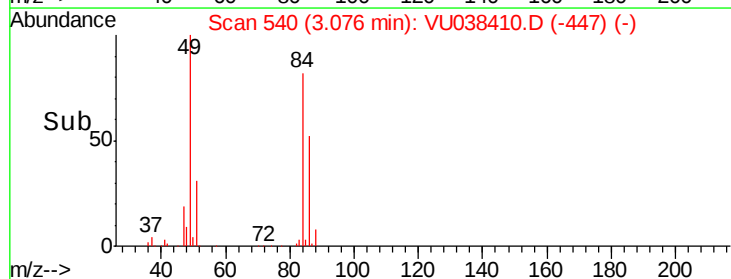
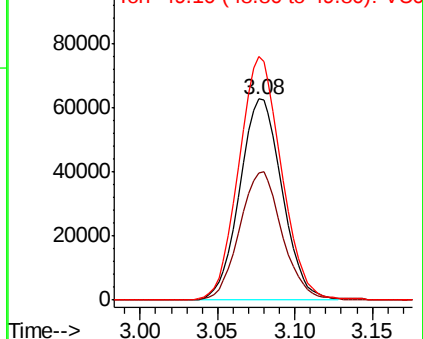
49 121.2 85.5 158.9

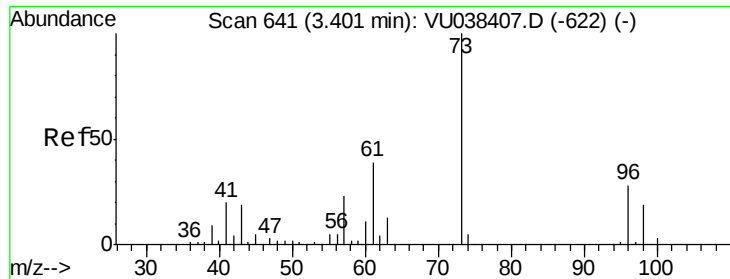


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



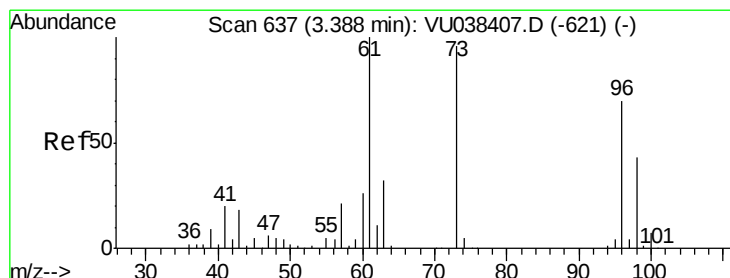
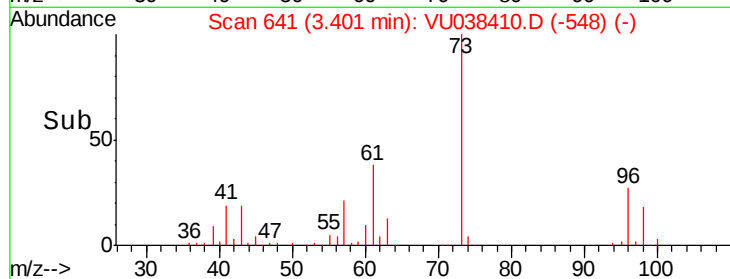
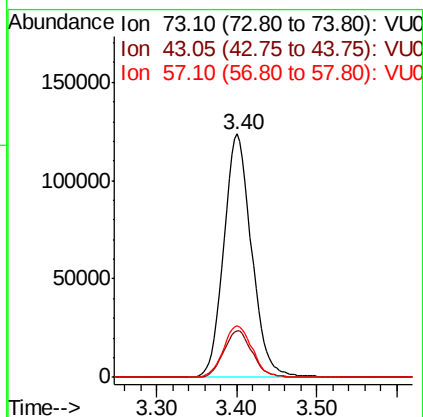
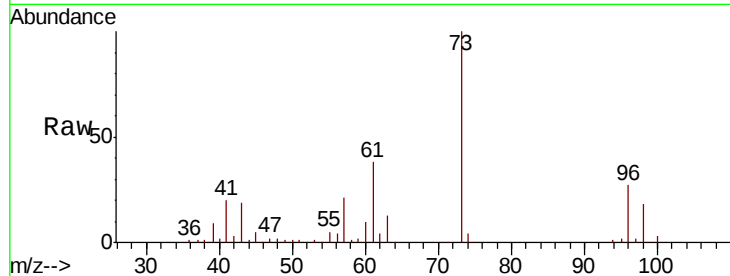


#17

Methvl tert-butvl Ether
 Concen: 5.115 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

Instrument :
 MSVOA_U
 ClientSampleId :

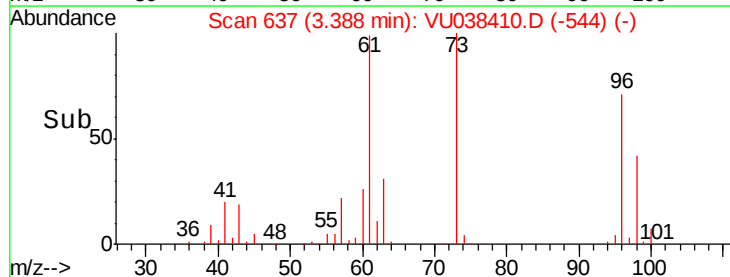
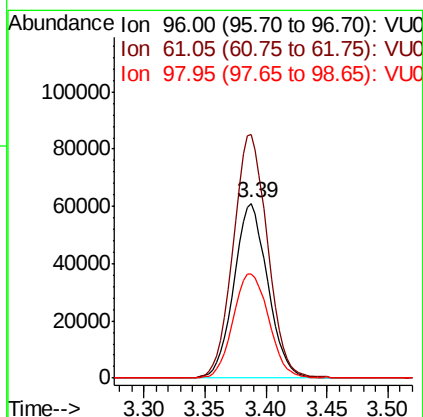
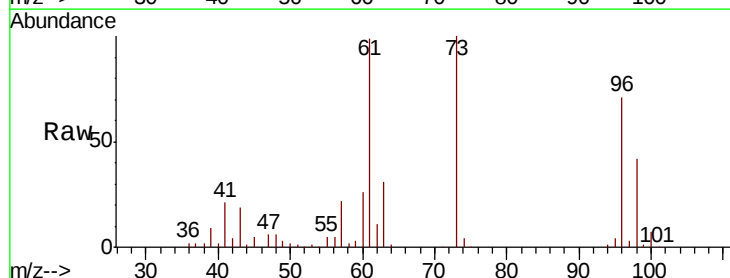
Tot Ion: 73 Resp: 294124
 Ion Ratio Lower Upper
 73 100
 43 19.7 15.5 23.3
 57 21.9 17.8 26.6

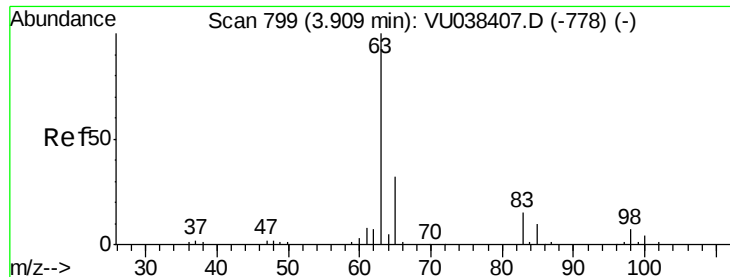


#18

trans-1,2-Dichloroethene
 Concen: 4.983 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

Tgt Ion: 96 Resp: 117764
 Ion Ratio Lower Upper
 96 100
 61 139.4 100.2 186.0
 98 59.6 42.8 79.4

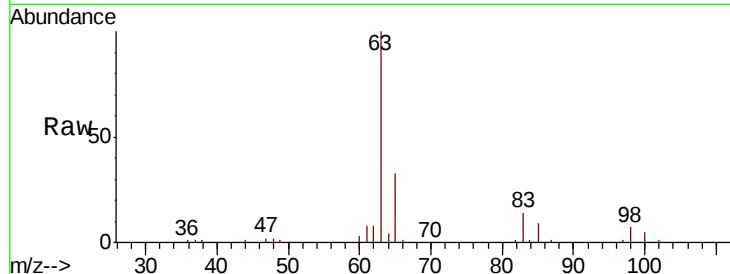




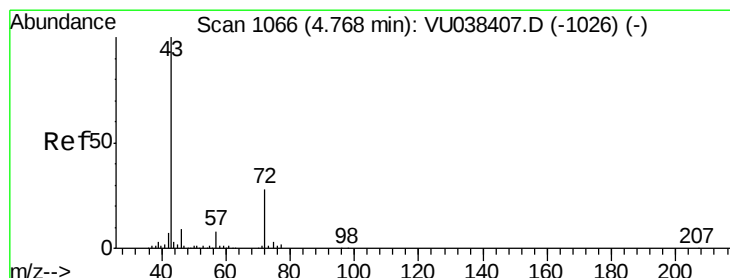
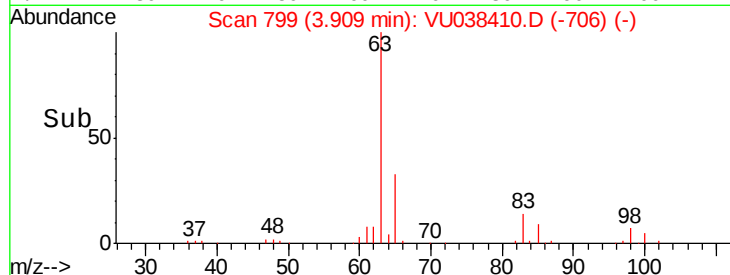
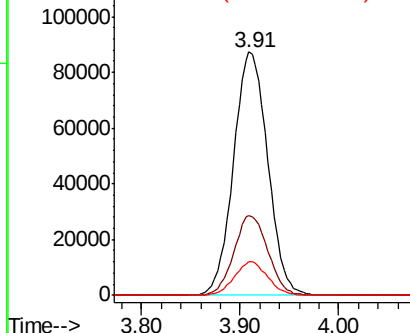
#19
 1,1-Dichloroethane
 Concen: 4.972 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 210287
 Ion Ratio Lower Upper
 63 100
 65 33.0 22.3 41.5
 83 13.7 10.4 19.4

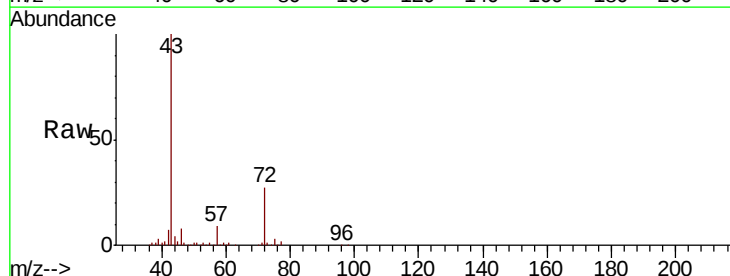


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

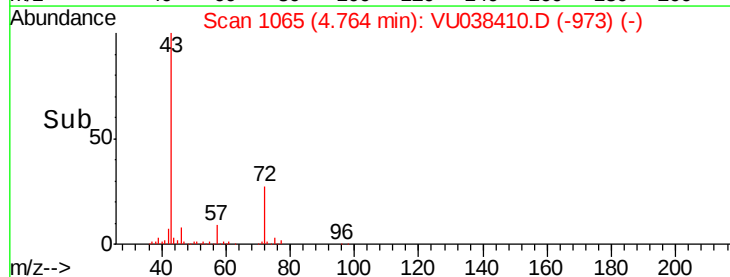
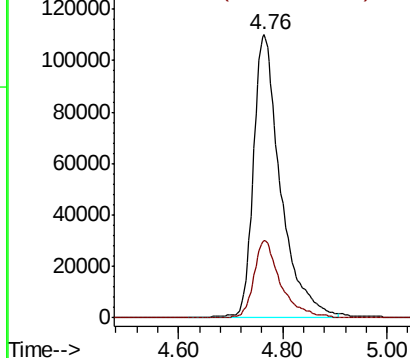


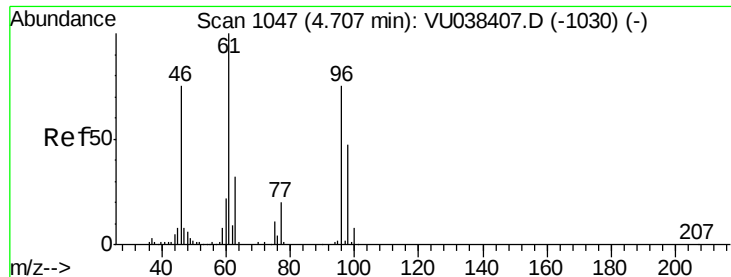
#21
 2-Butanone
 Concen: 51.750 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

Tgt Ion: 43 Resp: 398810
 Ion Ratio Lower Upper
 43 100
 72 26.4 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.869 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

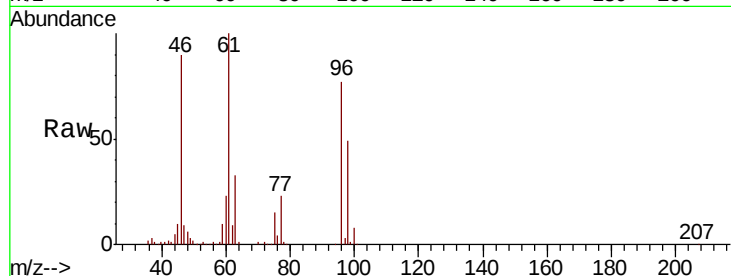
Tot Ion: 96 Resp: 123901

Ion Ratio Lower Upper

96 100

61 130.5 94.0 174.6

68 0.0 0.0 0.0

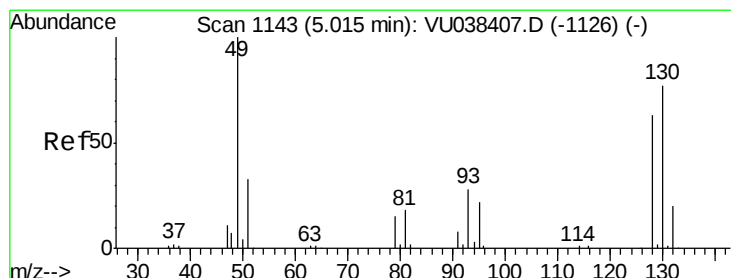
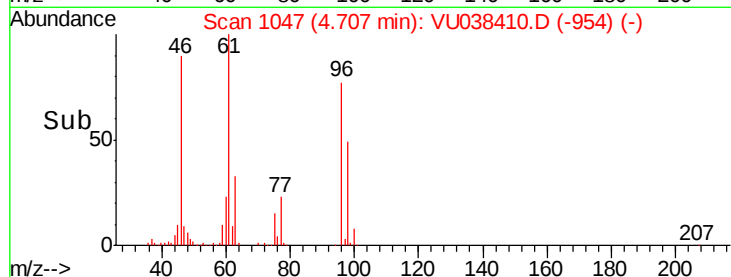
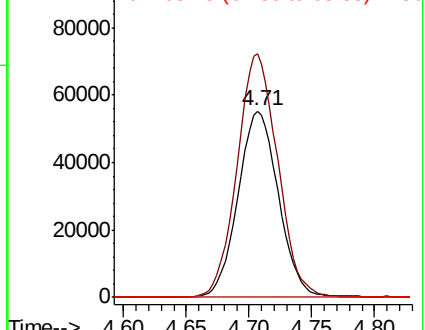


Abundance

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: 4.894 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

Tgt Ion: 128 Resp: 56051

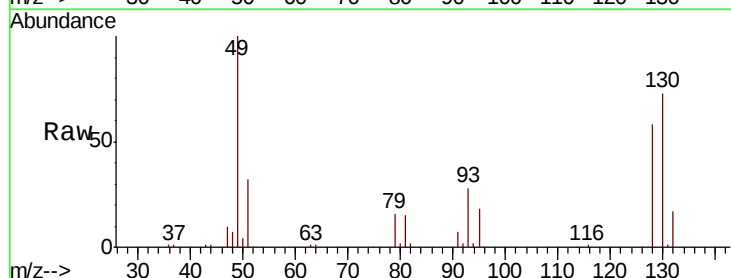
Ion Ratio Lower Upper

128 100

49 172.4 111.9 207.7

130 126.7 86.5 160.7

51 55.5 41.7 62.5



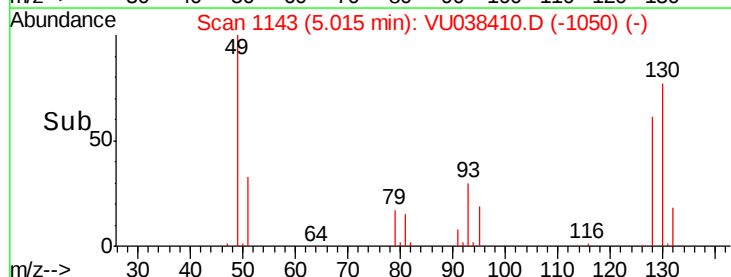
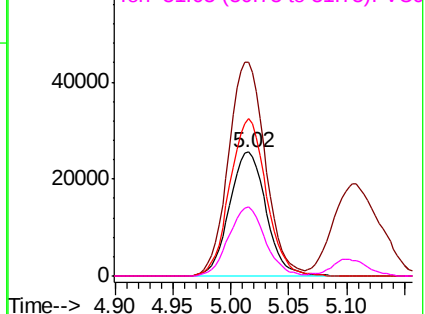
Abundance

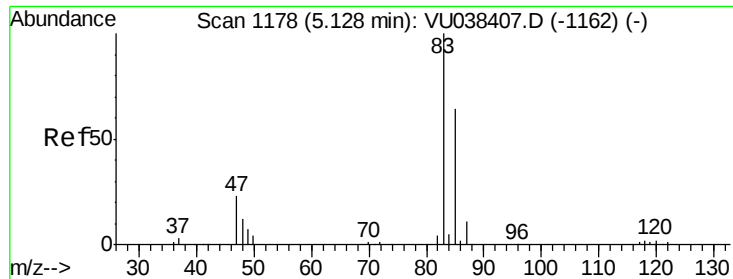
Ion 127.90 (127.60 to 128.60): V

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

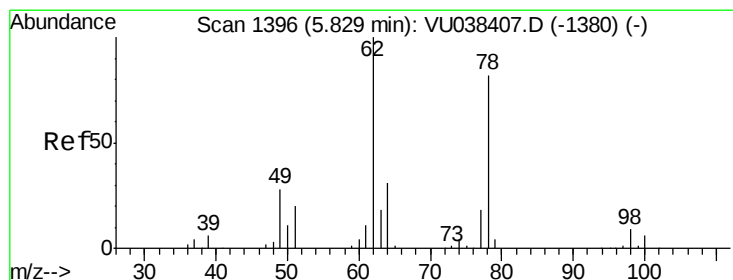
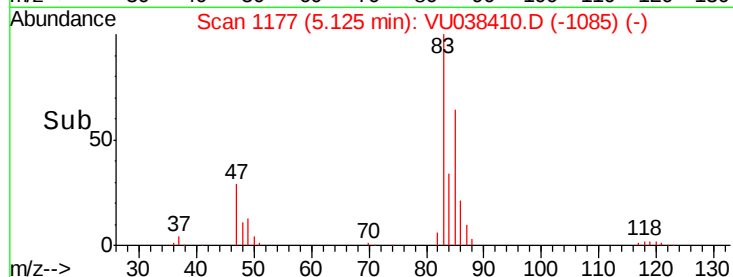
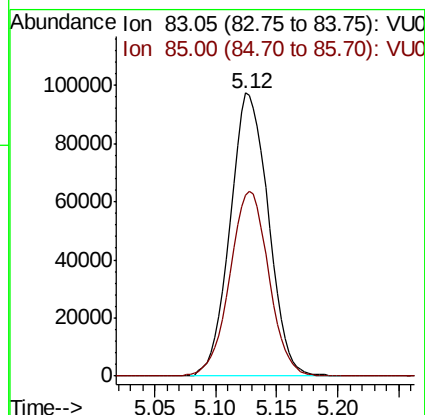
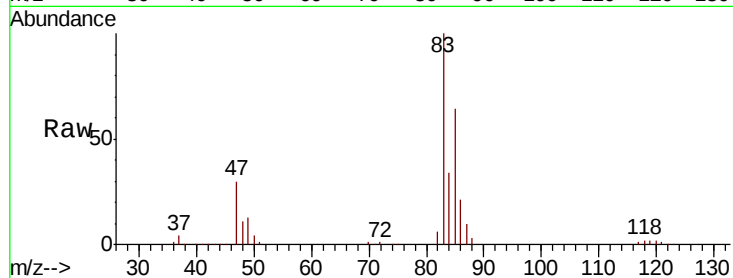




#25
Chloroform
Concen: 4.934 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038410.D
Acq: 30 May 2020 13:24

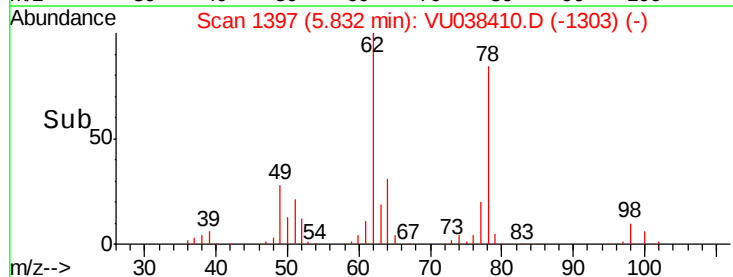
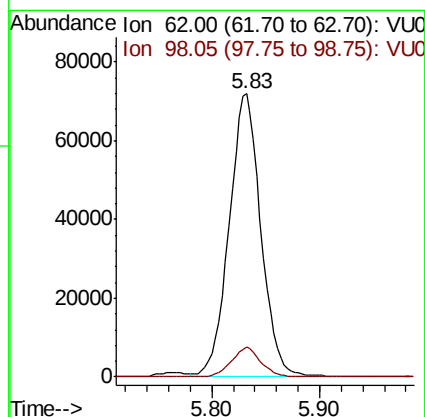
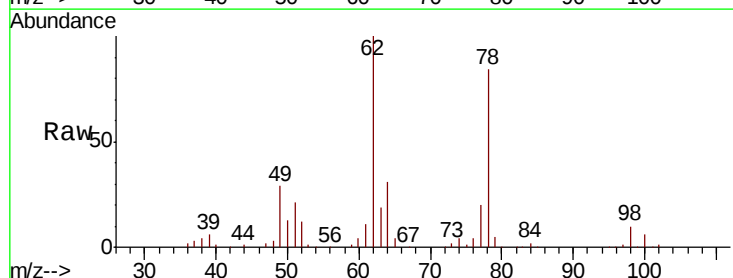
Instrument :
MSVOA_U
ClientSampled :

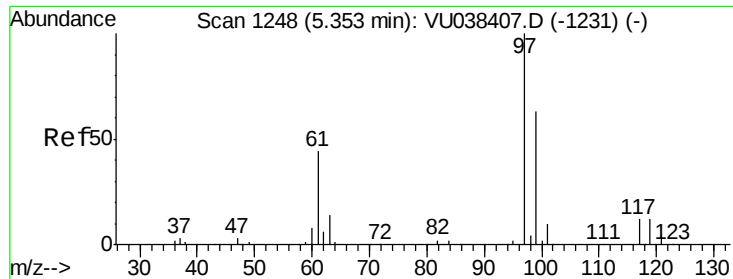
Tot Ion: 83 Resp: 211999
Ion Ratio Lower Upper
83 100
85 63.8 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.828 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU038410.D
Acq: 30 May 2020 13:24

Tgt Ion: 62 Resp: 146049
Ion Ratio Lower Upper
62 100
98 10.4 7.4 11.2

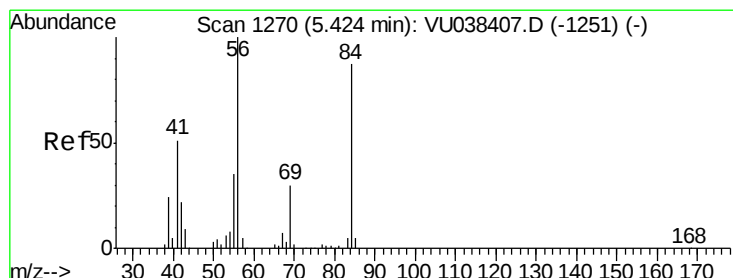
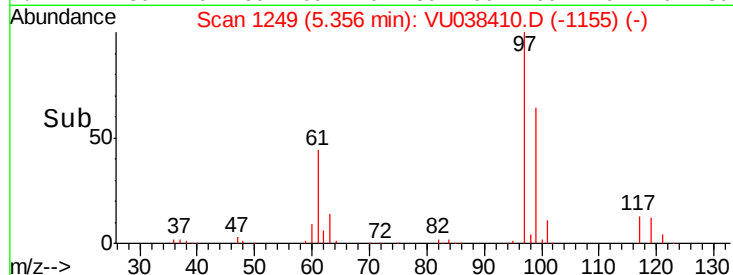
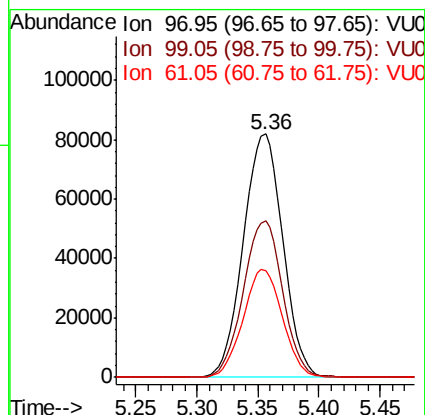
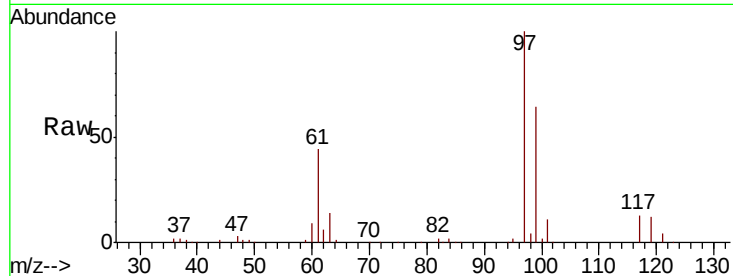




#29
1,1,1-Trichloroethane
Concen: 5.041 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU038410.D
Acq: 30 May 2020 13:24

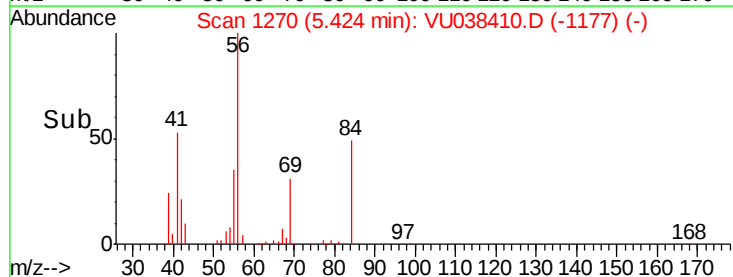
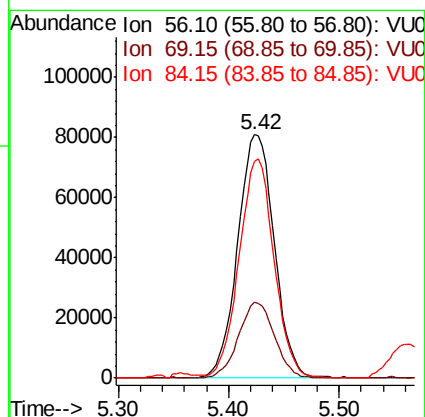
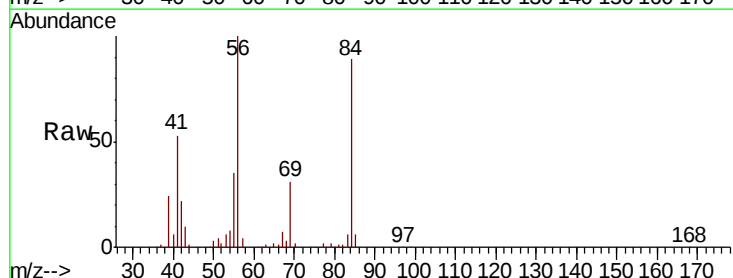
Instrument :
MSVOA_U
ClientSampled :

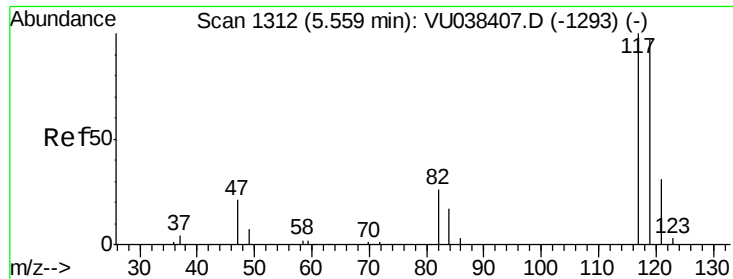
Tot Ion: 97 Resp: 183648
Ion Ratio Lower Upper
97 100
99 64.0 52.2 78.2
61 44.0 35.4 53.2



#30
Cyclohexane
Concen: 4.878 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038410.D
Acq: 30 May 2020 13:24

Tgt Ion: 56 Resp: 186334
Ion Ratio Lower Upper
56 100
69 30.6 24.2 36.4
84 85.4 70.8 106.2

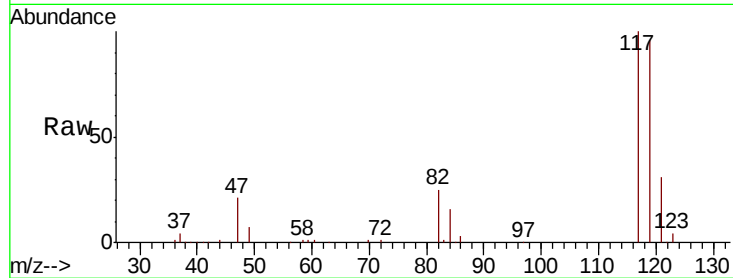




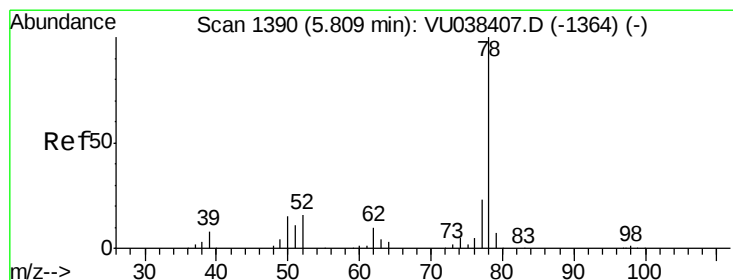
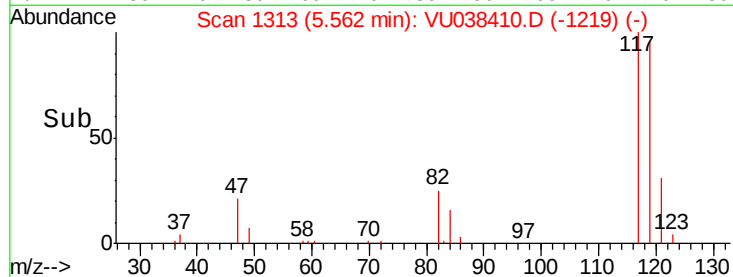
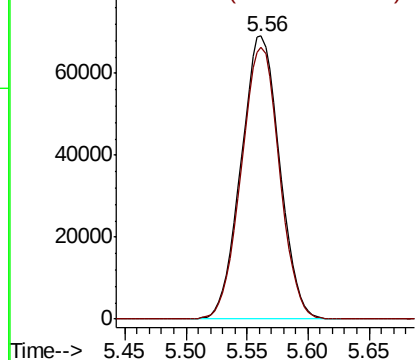
#31
Carbon tetrachloride
Concen: 4.979 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU038410.D
Acq: 30 May 2020 13:24

Instrument :
MSVOA_U
ClientSampleId :

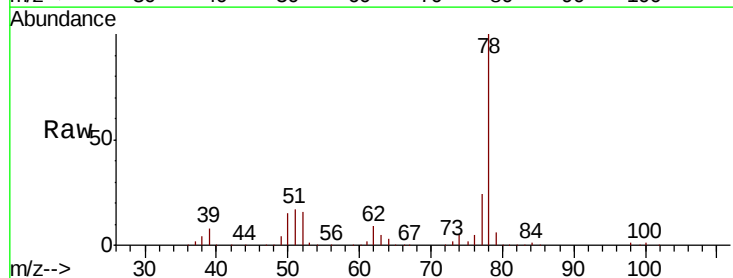
Tot Ion:117 Resp: 150996
Ion Ratio Lower Upper
117 100
119 95.0 76.6 115.0



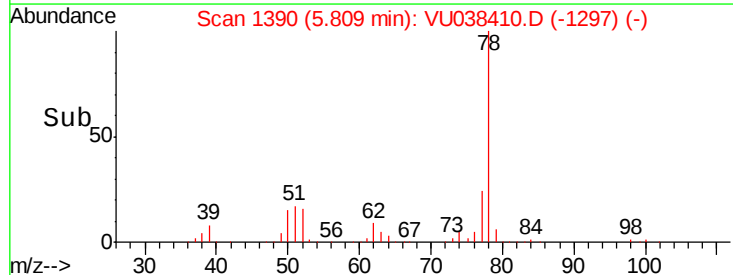
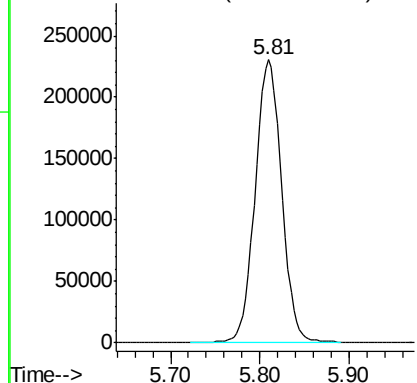
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

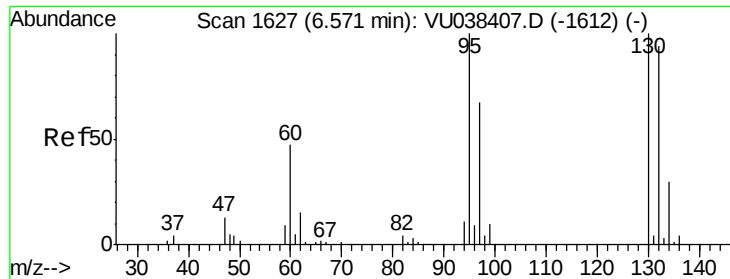


#33
Benzene
Concen: 4.968 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU038410.D
Acq: 30 May 2020 13:24
Tgt Ion: 78 Resp: 476987



Abundance Ion 78.10 (77.80 to 78.80): VU0

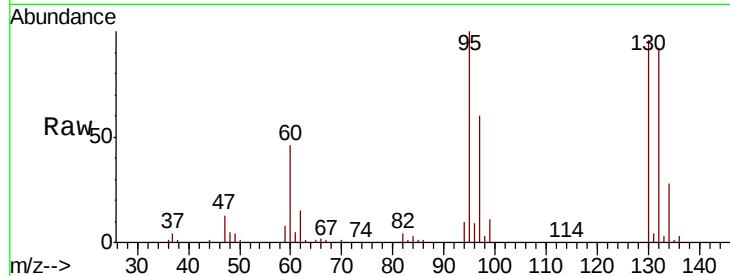




#34
 Trichloroethene
 Concen: 4.935 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	95	Resp:	122953
Ion	Ratio	Lower	Upper
95	100		
97	59.8	46.8	87.0
132	92.3	66.1	122.7
130	95.9	70.0	130.0



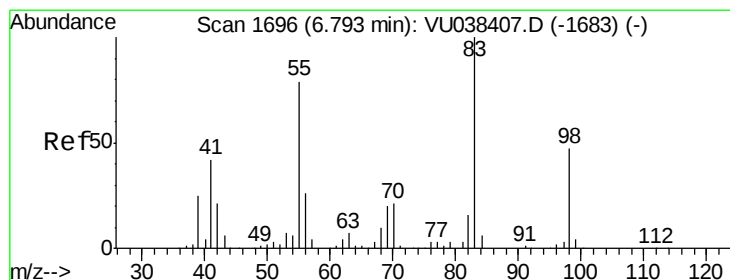
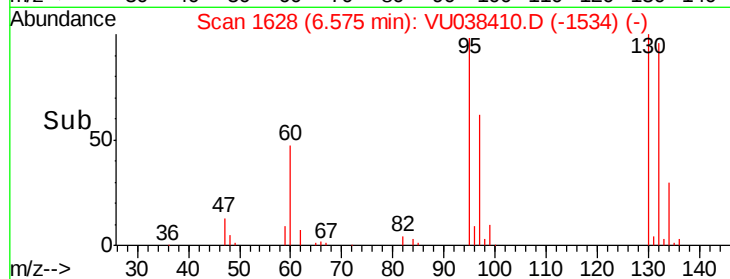
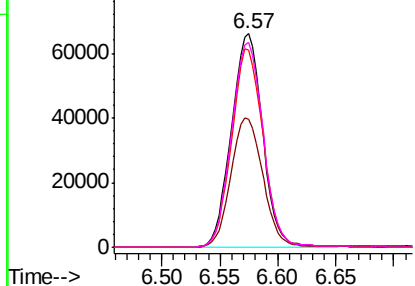
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

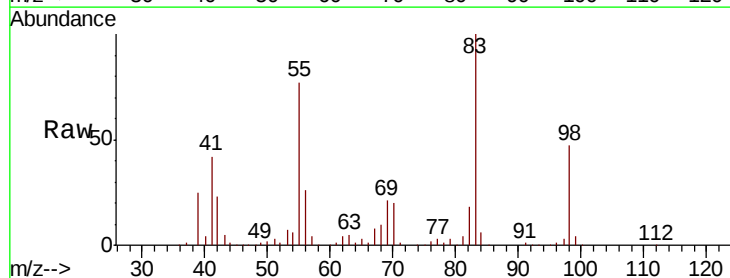
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35
 Methylcyclohexane
 Concen: 4.528 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

Tgt Ion:	83	Resp:	174682
Ion	Ratio	Lower	Upper
83	100		
55	81.5	63.4	95.2
98	49.0	39.0	58.4

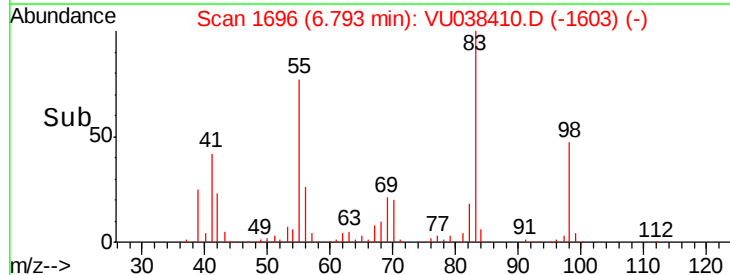
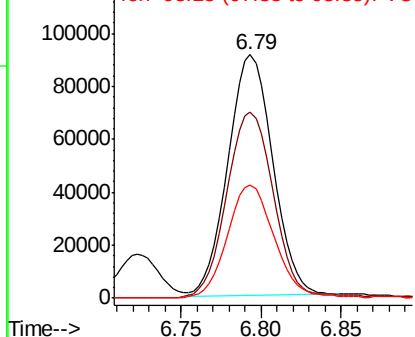


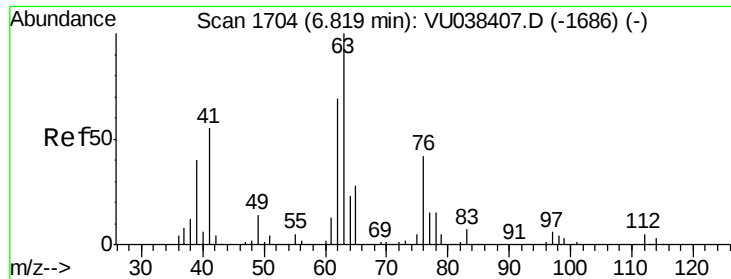
Abundance

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

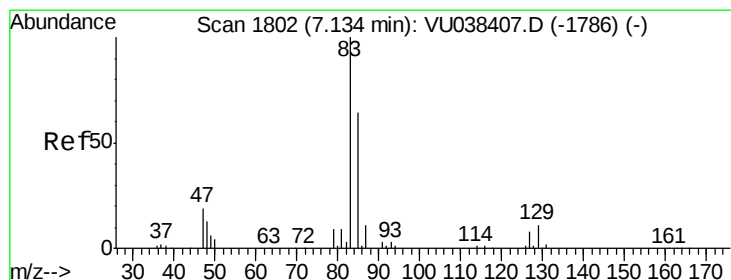
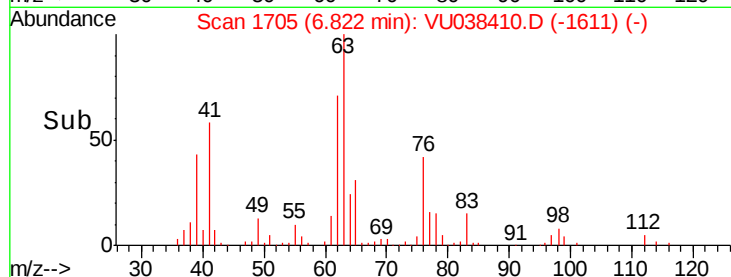
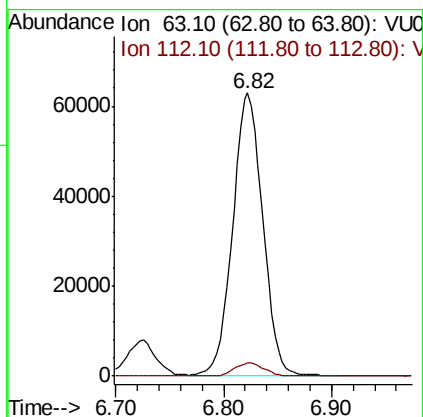
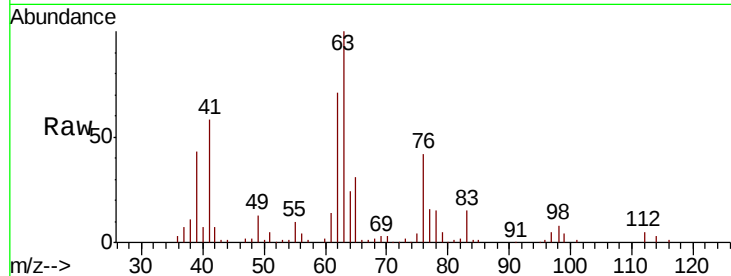




#37
 1,2-Dichloropropane
 Concen: 5.073 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

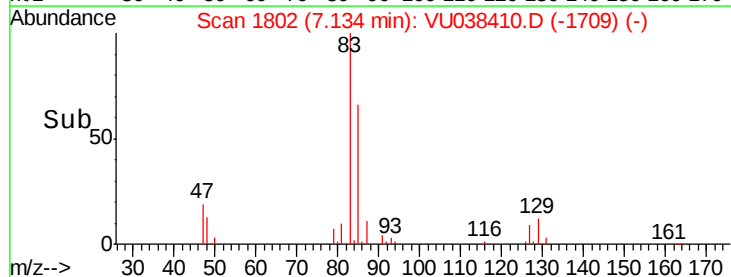
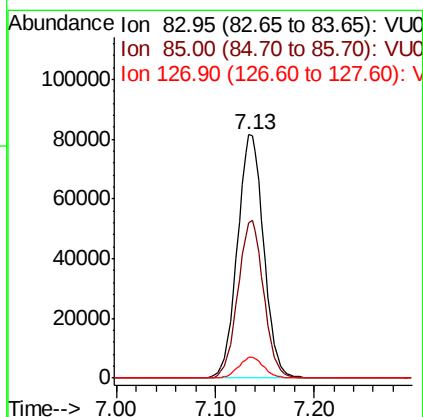
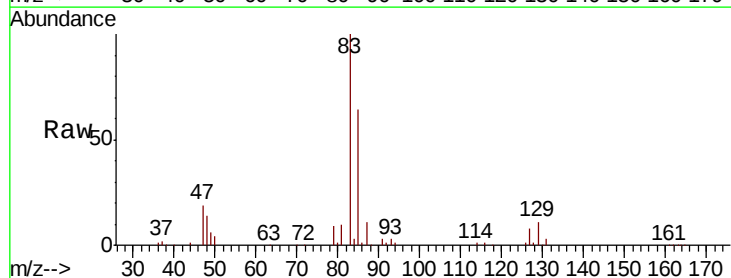
Instrument :
 MSVOA_U
 ClientSampleId :

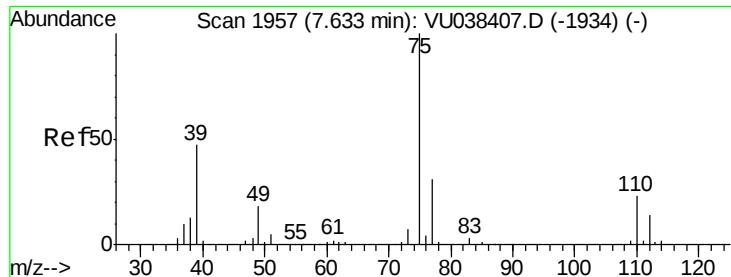
Tot Ion: 63 Resp: 122554
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.020 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

Tgt Ion: 83 Resp: 150620
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.7 83.1
 127 8.4 6.8 10.2

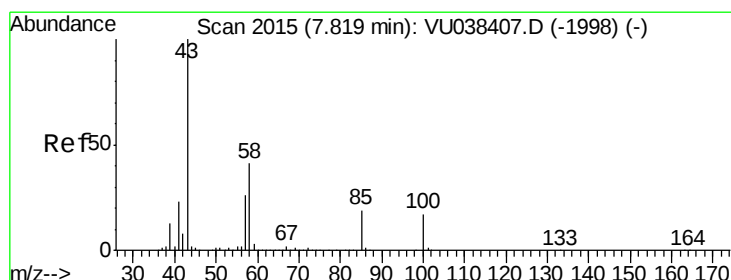
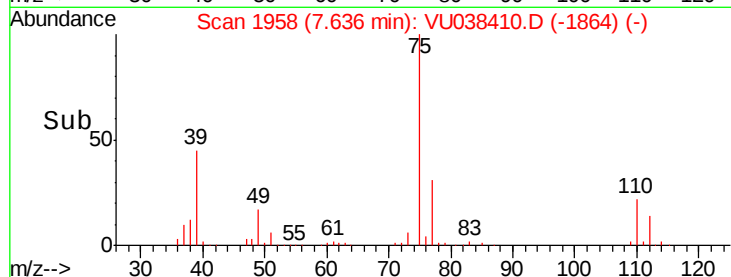
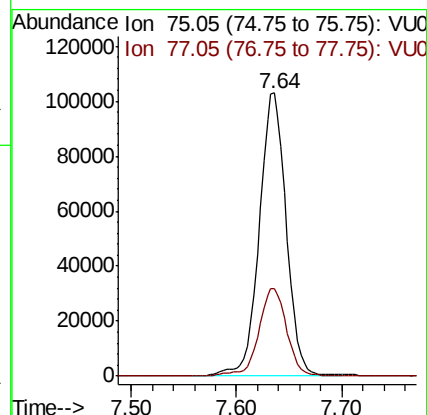
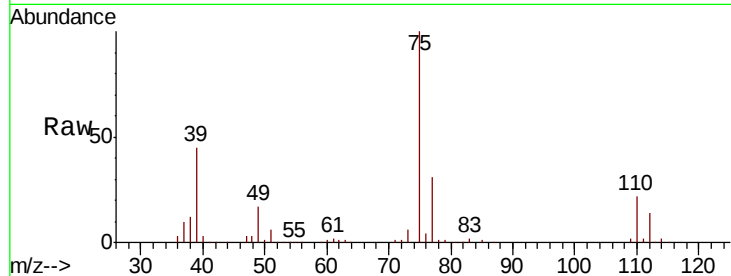




#39
 cis-1,3-Dichloropropene
 Concen: 5.153 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

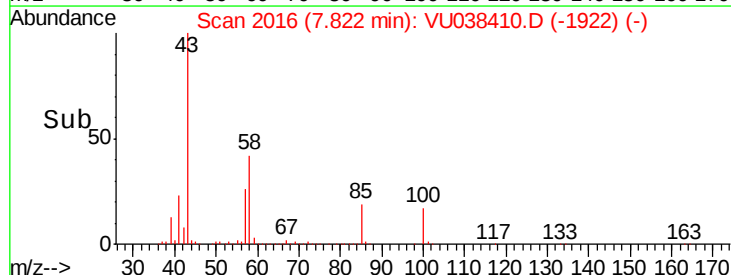
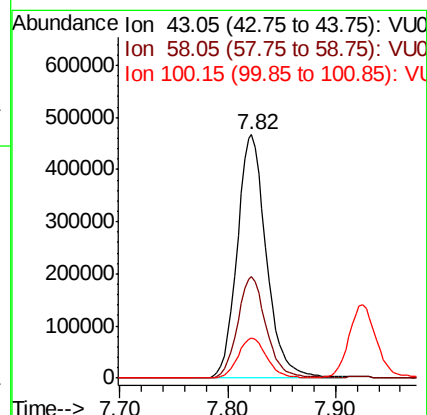
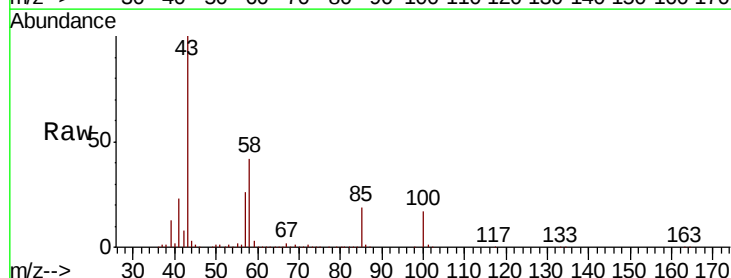
Instrument :
 MSVOA_U
 ClientSampleId :

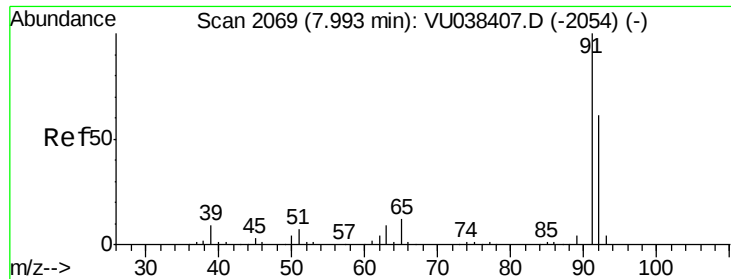
Tot Ion: 75 Resp: 183990
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 50.923 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

Tgt Ion: 43 Resp: 879771
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.4 48.6
 100 16.5 13.3 19.9





#42

Toluene

Concen: 4.964 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

Instrument :

MSVOA_U

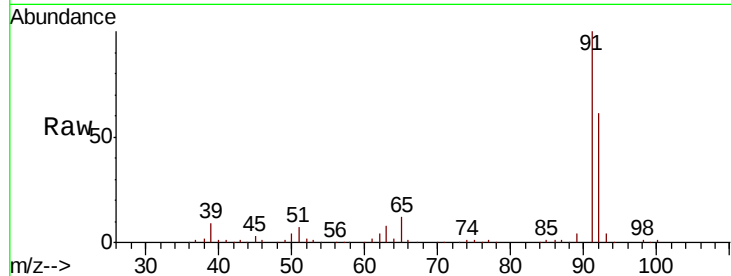
ClientSampleId :

Tot Ion: 91 Resp: 499864

Ion Ratio Lower Upper

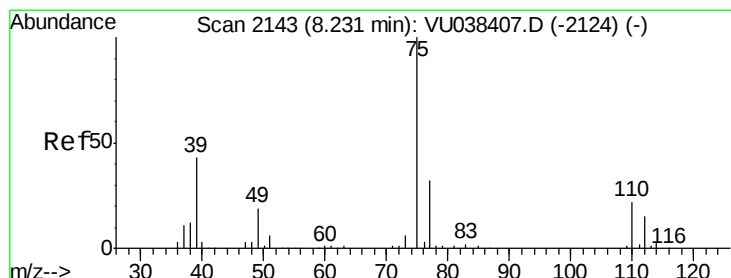
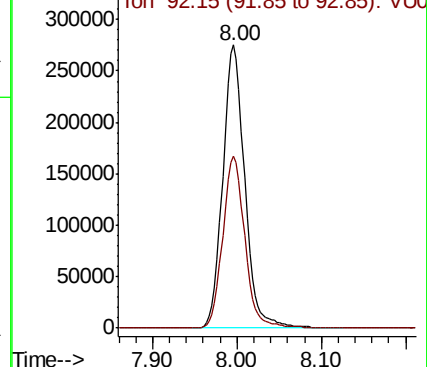
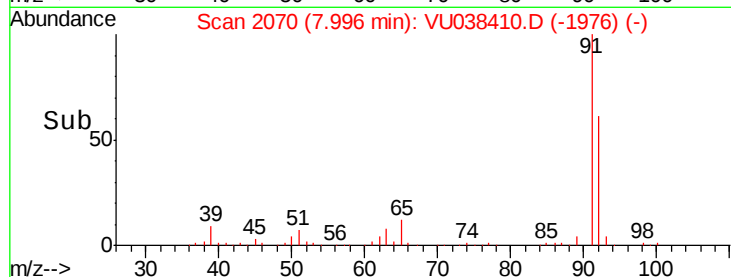
91 100

92 60.7 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038410.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU038410.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.029 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.01 min

Lab File: VU038410.D

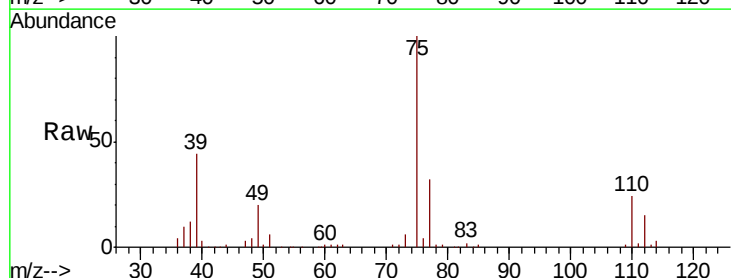
Acq: 30 May 2020 13:24

Tgt Ion: 75 Resp: 158570

Ion Ratio Lower Upper

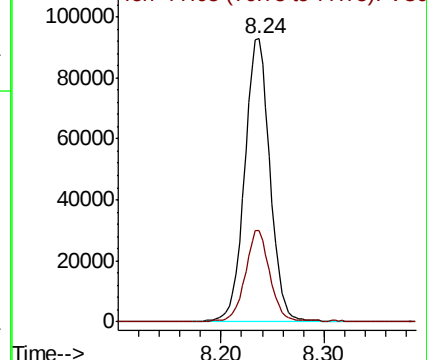
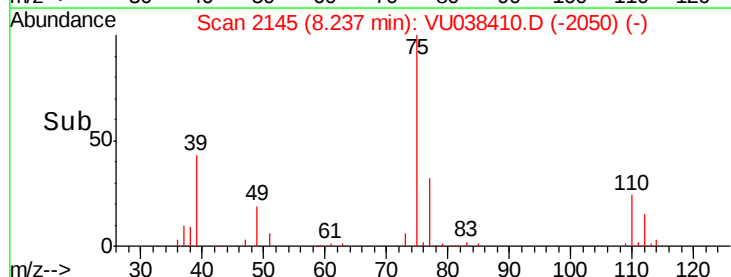
75 100

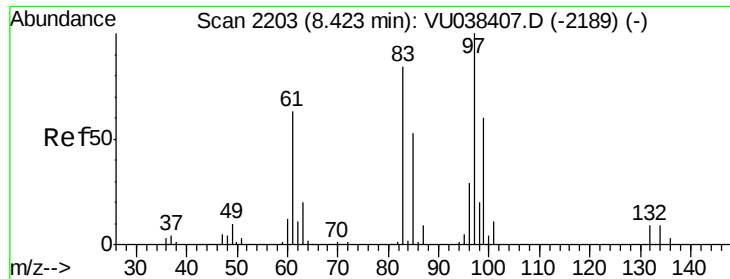
77 32.2 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038410.D (-2050) (-)

Ion 77.05 (76.75 to 77.75): VU038410.D (-2050) (-)

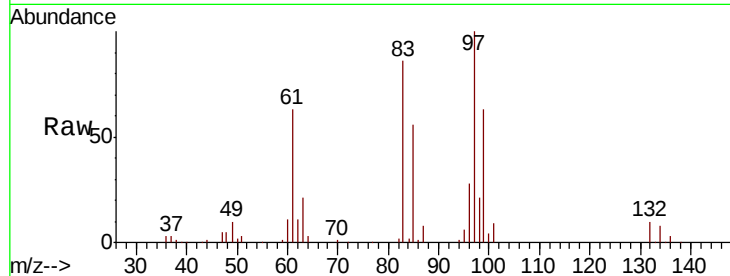




#45
 1,1,2-Trichloroethane
 Concen: 5.038 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	91826
Ion	Ratio	Lower	Upper
97	100		
99	63.2	42.1	78.1
83	86.1	58.8	109.2
85	56.5	37.4	69.4



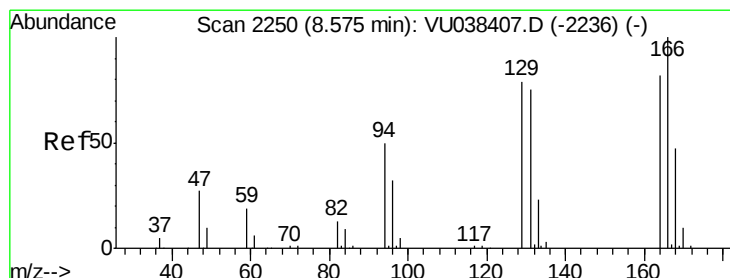
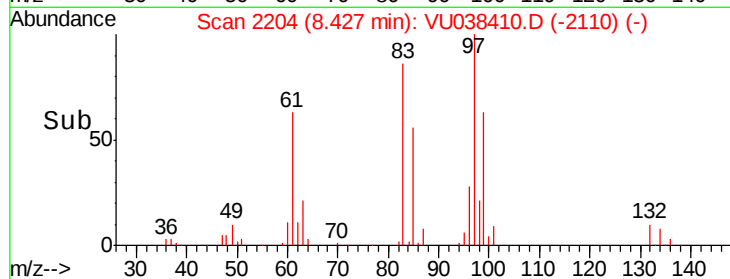
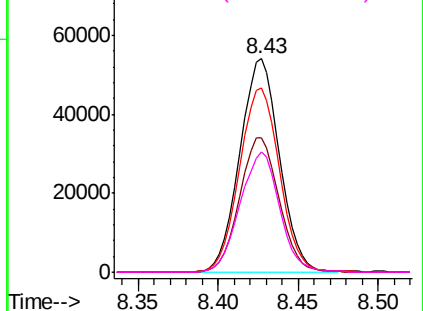
Abundance

Ion 96.95 (96.65 to 97.65): VU038410.D (-2189) (-)

Ion 99.05 (98.75 to 99.75): VU038410.D (-2189) (-)

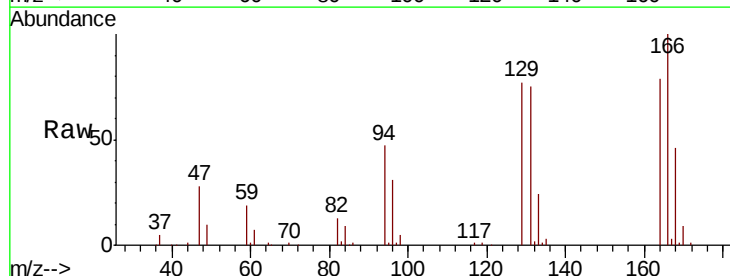
Ion 82.95 (82.65 to 83.65): VU038410.D (-2189) (-)

Ion 85.00 (84.70 to 85.70): VU038410.D (-2189) (-)



#47
 Tetrachloroethene
 Concen: 4.854 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

Tgt Ion:	164	Resp:	87871
Ion	Ratio	Lower	Upper
164	100		
129	98.3	67.4	125.2
131	95.5	64.1	119.1
166	126.9	85.7	159.1



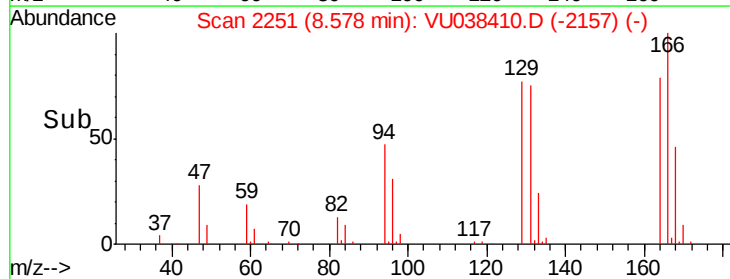
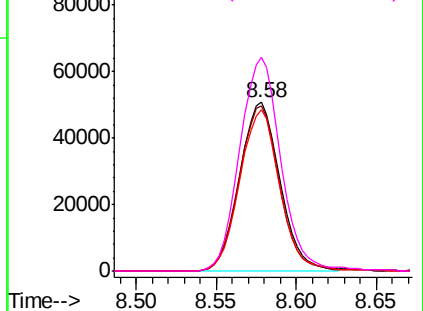
Abundance

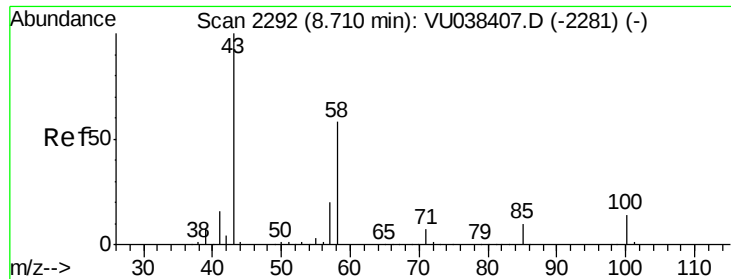
Ion 163.90 (163.60 to 164.60): VU038410.D (-2236) (-)

Ion 128.95 (128.65 to 129.65): VU038410.D (-2236) (-)

Ion 130.95 (130.65 to 131.65): VU038410.D (-2236) (-)

Ion 165.90 (165.60 to 166.60): VU038410.D (-2236) (-)

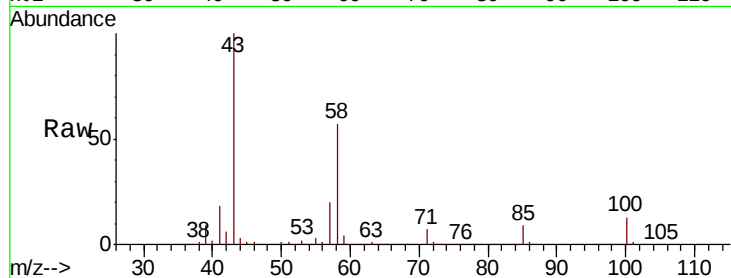




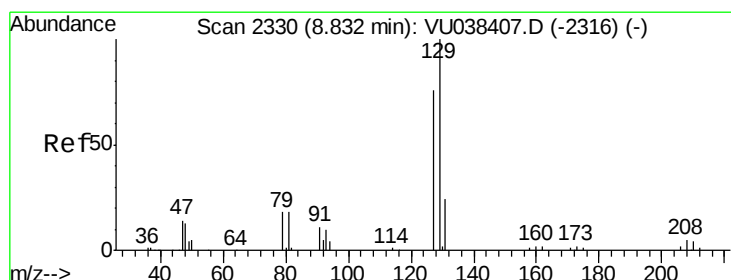
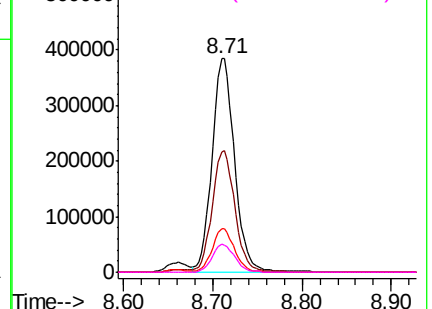
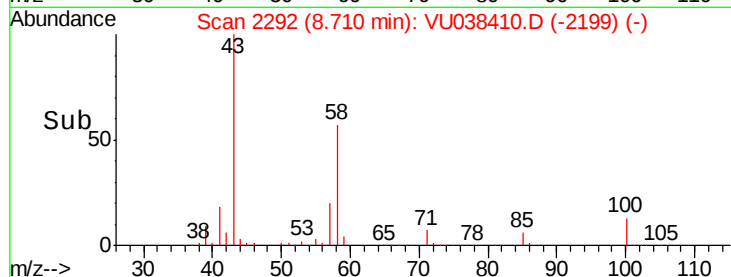
#48
2-Hexanone
Concen: 51.669 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU038410.D
Acq: 30 May 2020 13:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 676025
Ion Ratio Lower Upper
43 100
58 57.1 45.4 68.0
57 20.1 15.9 23.9
100 13.3 10.5 15.7

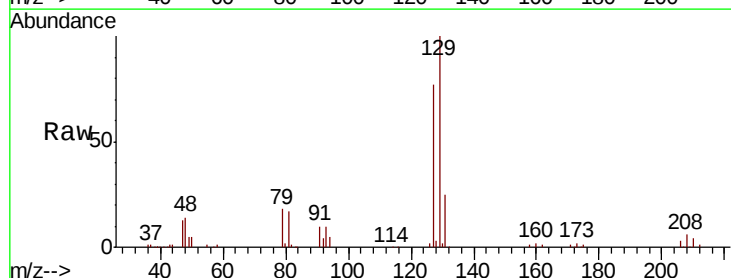


Abundance Ion 43.05 (42.75 to 43.75): VU038410.D (-2199) (-)
Ion 58.05 (57.75 to 58.75): VU038410.D (-2199) (-)
Ion 57.20 (56.90 to 57.90): VU038410.D (-2199) (-)
Ion 100.15 (99.85 to 100.85): VU038410.D (-2199) (-)

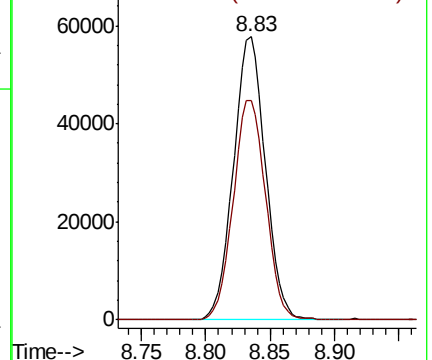
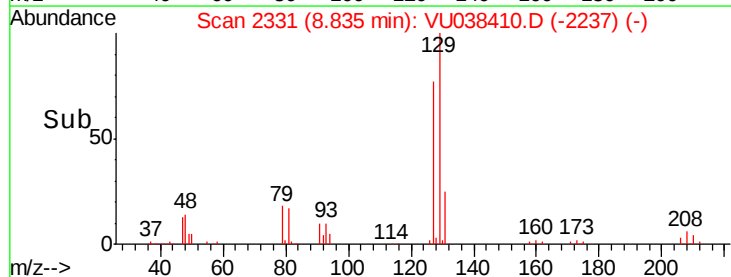


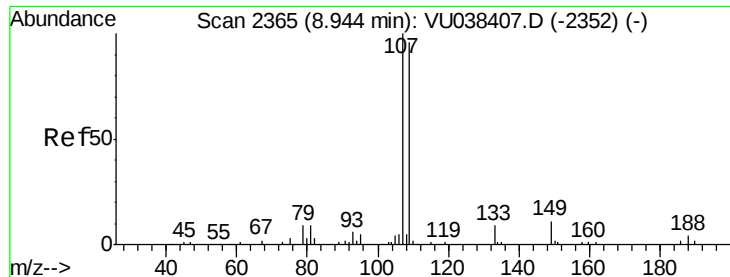
#49
Dibromochloromethane
Concen: 5.053 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU038410.D
Acq: 30 May 2020 13:24

Tgt Ion: 129 Resp: 99394
Ion Ratio Lower Upper
129 100
127 77.4 53.3 99.1



Abundance Ion 128.95 (128.65 to 129.65): VU038410.D (-2237) (-)
Ion 126.90 (126.60 to 127.60): VU038410.D (-2237) (-)

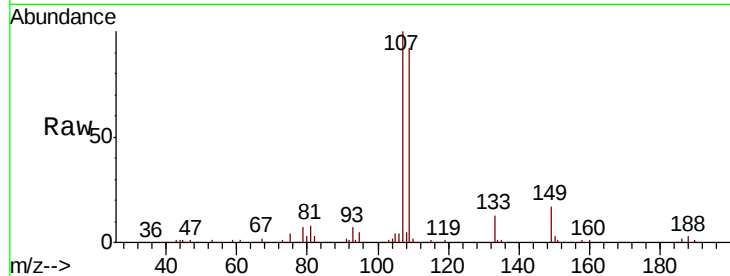




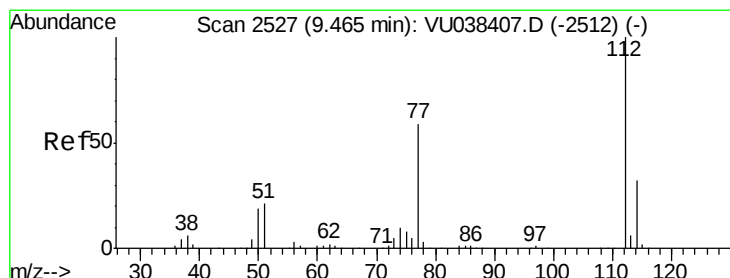
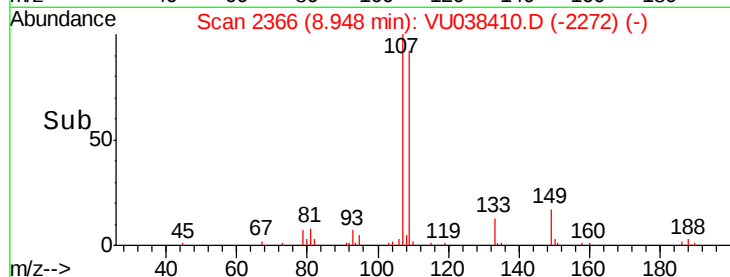
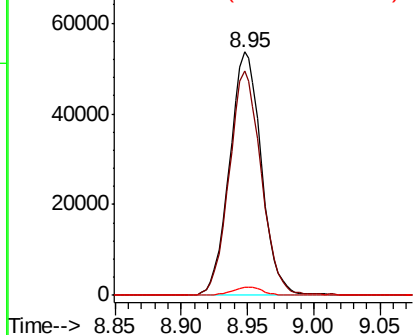
#50
1,2-Dibromoethane
Concen: 5.114 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU038410.D
Acq: 30 May 2020 13:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 89242
Ion Ratio Lower Upper
107 100
109 92.4 67.0 124.4
188 3.2 3.0 4.4

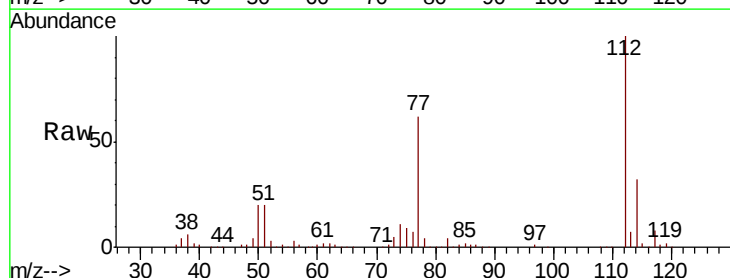


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

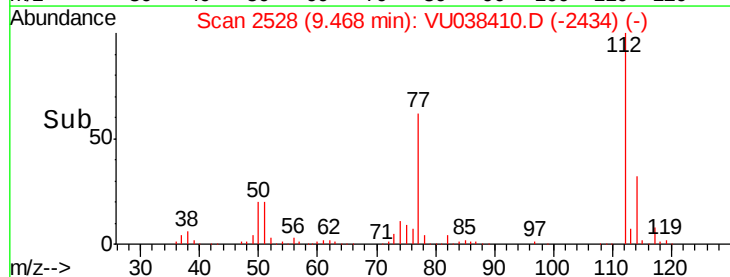
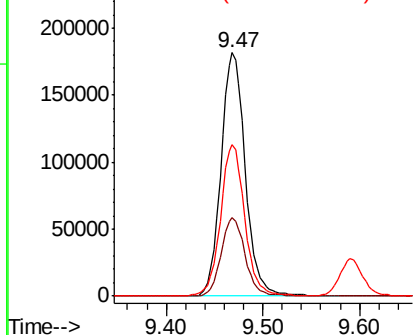


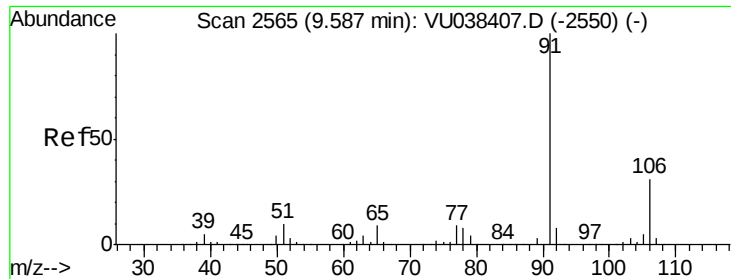
#51
Chlorobenzene
Concen: 4.865 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038410.D
Acq: 30 May 2020 13:24

Tgt Ion:112 Resp: 315943
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 62.5 47.1 70.7



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): V





#52

Ethylbenzene

Concen: 4.953 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

Instrument :

MSVOA_U

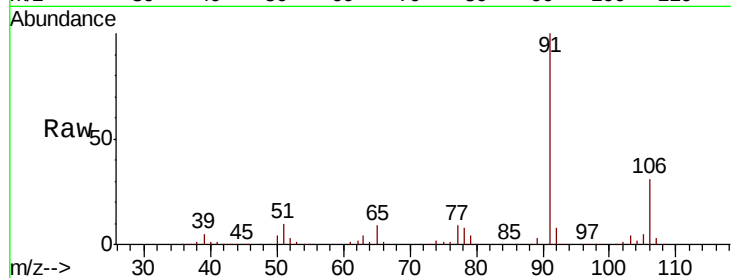
ClientSampleId :

Tot Ion: 91 Resp: 554928

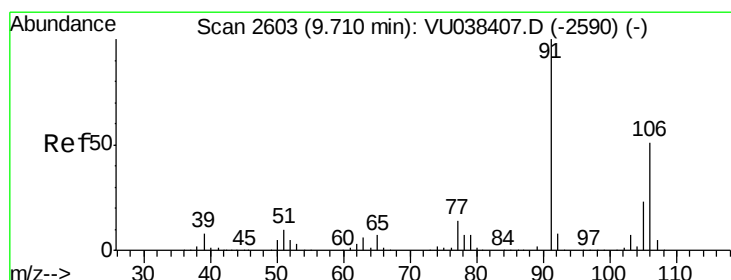
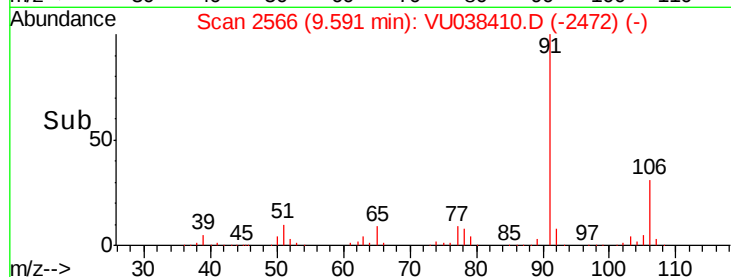
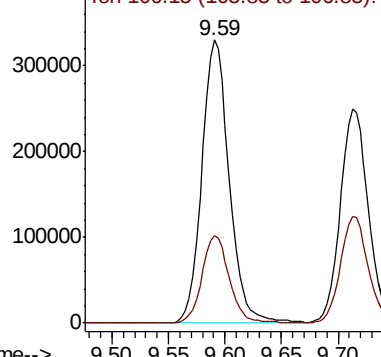
Ion Ratio Lower Upper

91 100

106 30.9 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038410.D (-2550) (-)



#53

m,p-Xylene

Concen: 4.997 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038410.D

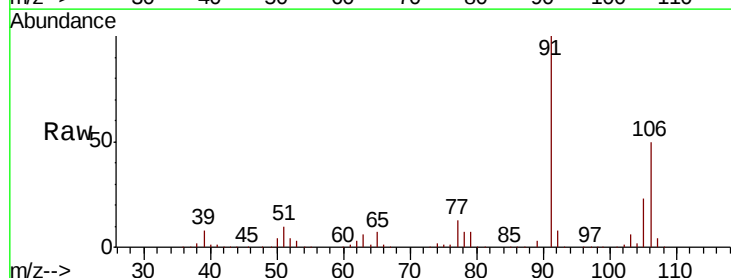
Acq: 30 May 2020 13:24

Tgt Ion:106 Resp: 215280

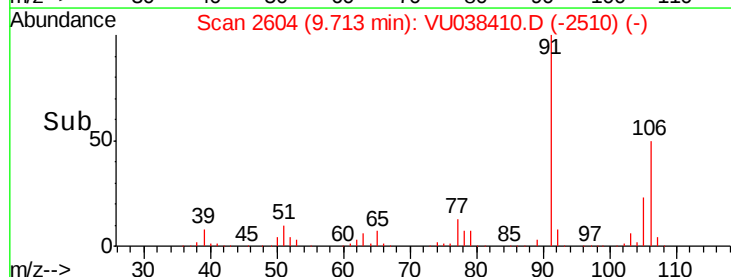
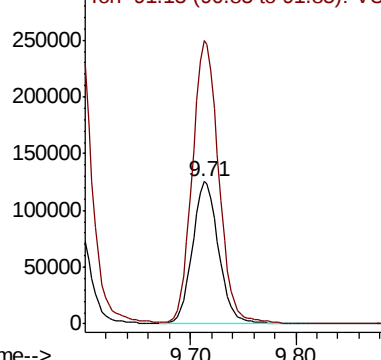
Ion Ratio Lower Upper

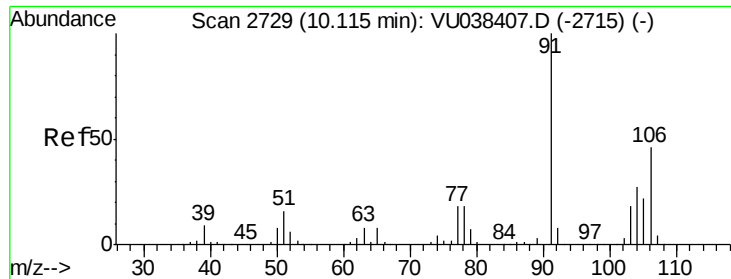
106 100

91 199.2 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038410.D (-2510) (-)

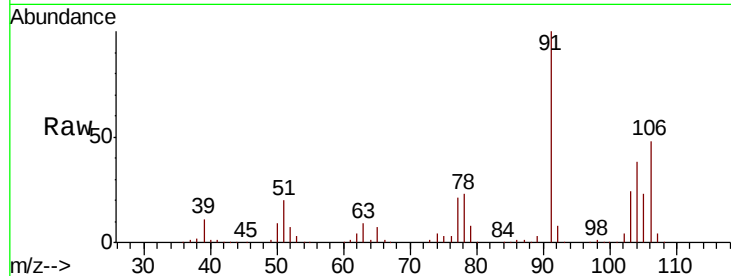




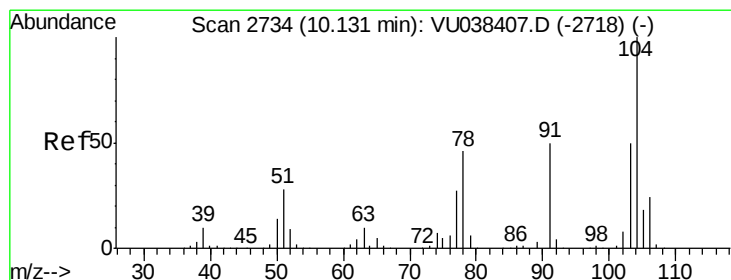
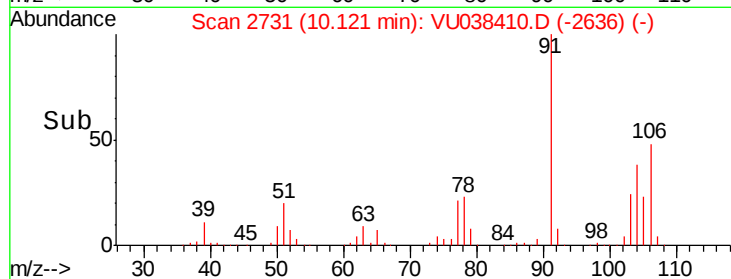
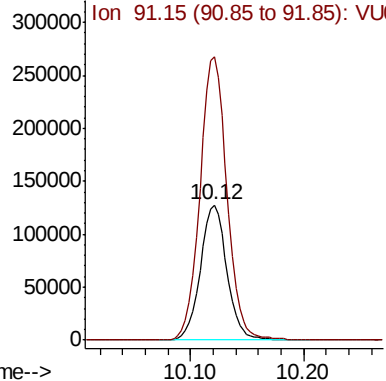
#54
o-Xylene
Concen: 5.026 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.01 min
Lab File: VU038410.D
Acq: 30 May 2020 13:24

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 207859
Ion Ratio Lower Upper
106 100
91 209.7 150.6 279.8

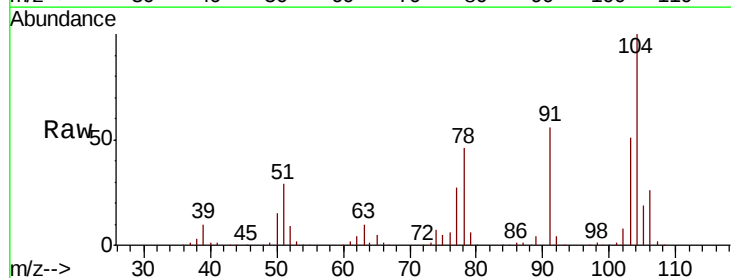


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

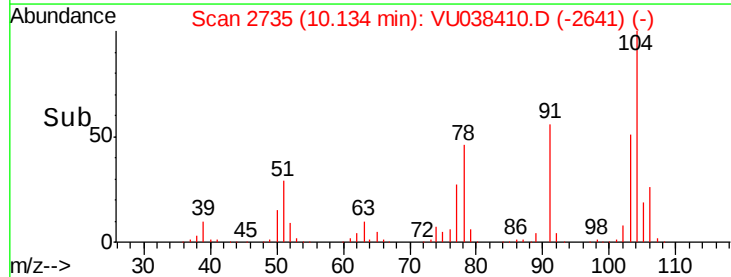
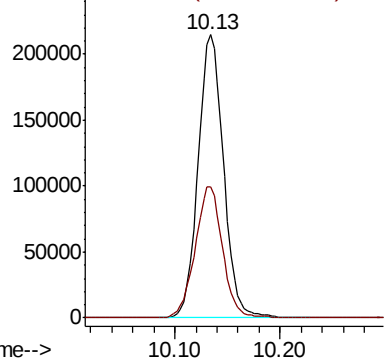


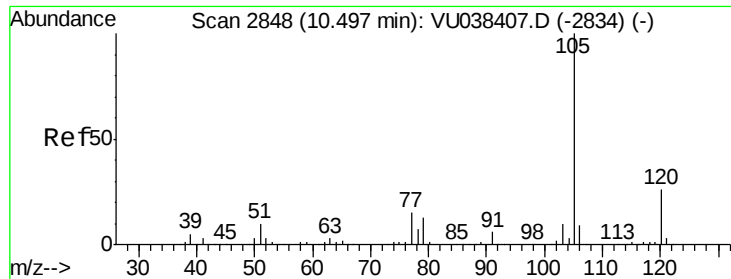
#55
Styrene
Concen: 5.093 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU038410.D
Acq: 30 May 2020 13:24

Tgt Ion:104 Resp: 357550
Ion Ratio Lower Upper
104 100
78 46.5 31.9 59.3



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





#56

Isopropylbenzene

Concen: 4.958 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.01 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

Instrument :

MSVOA_U

ClientSampled :

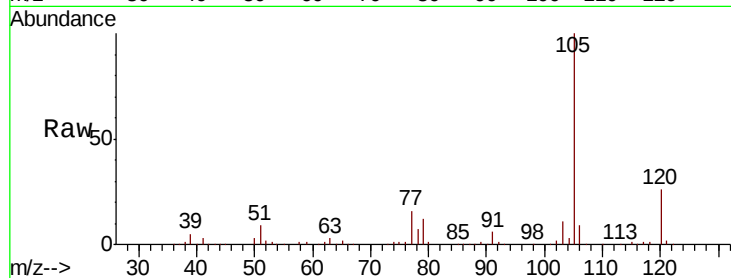
Tot Ion:105 Resp: 539752

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

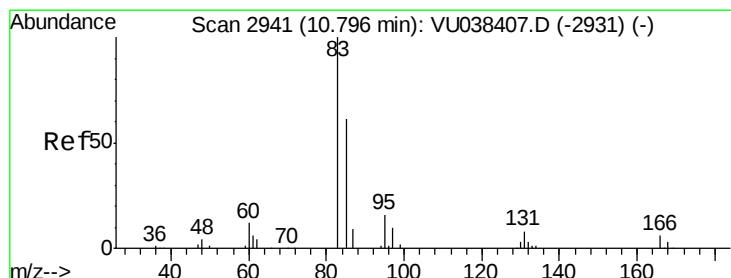
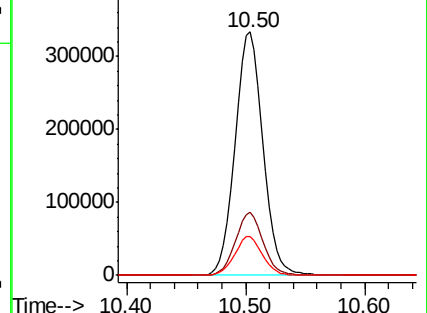
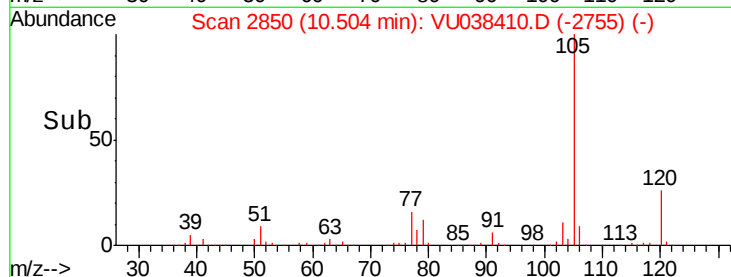
77 15.8 12.5 18.7



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: 4.842 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

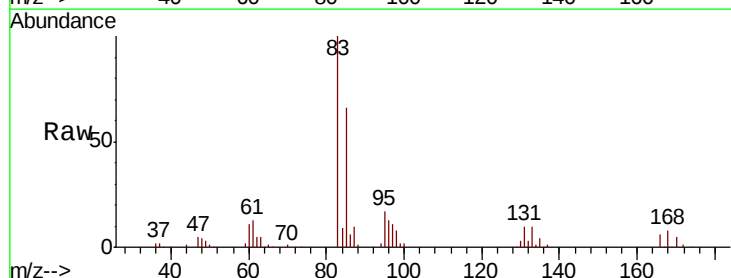
Tgt Ion: 83 Resp: 112159

Ion Ratio Lower Upper

83 100

85 65.8 44.2 82.0

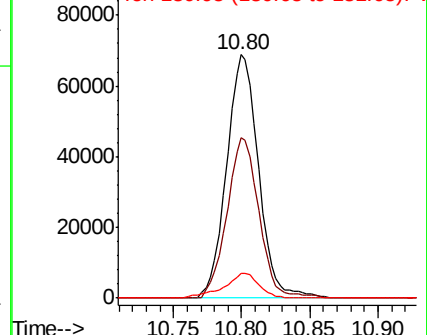
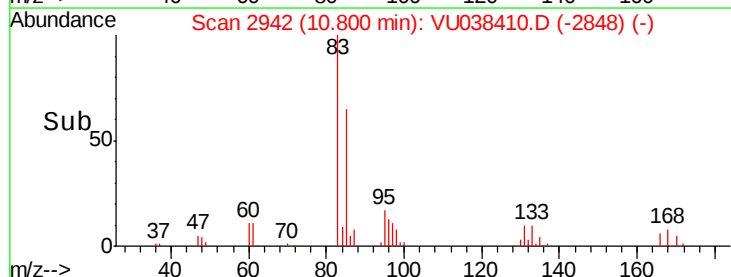
131 10.0 8.1 12.1

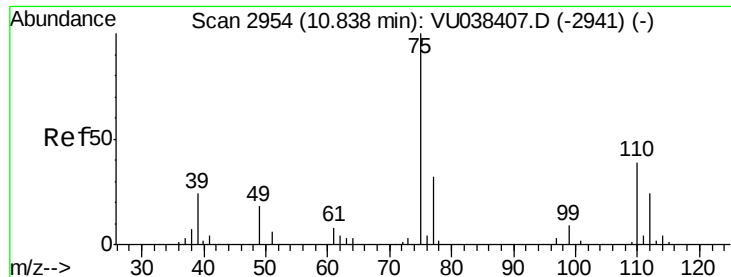


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.941 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

Instrument :

MSVOA_U

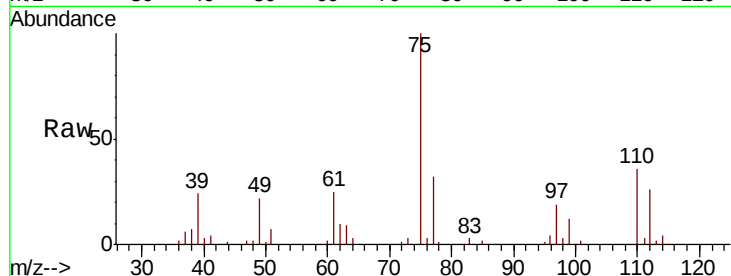
ClientSampled :

Tot Ion: 75 Resp: 89098

Ion Ratio Lower Upper

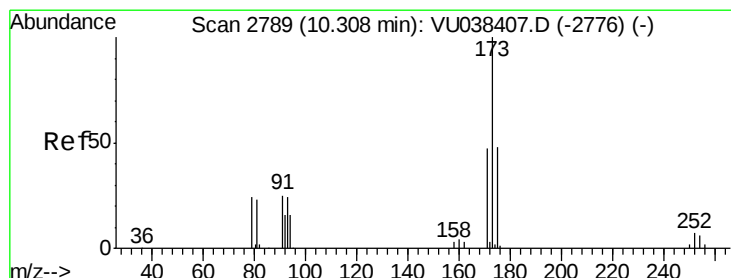
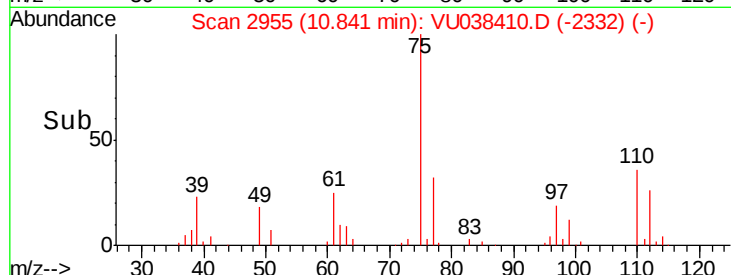
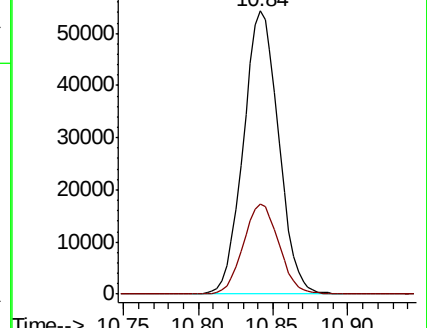
75 100

77 32.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU038410.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038410.D (-2941) (-)



#61

Bromoform

Concen: 5.070 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

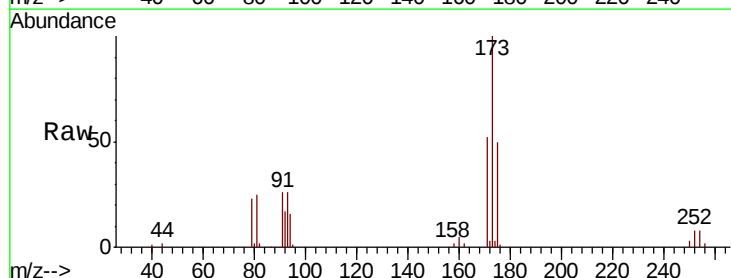
Tgt Ion: 173 Resp: 54720

Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

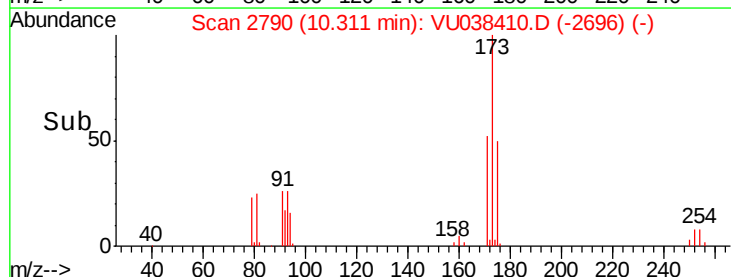
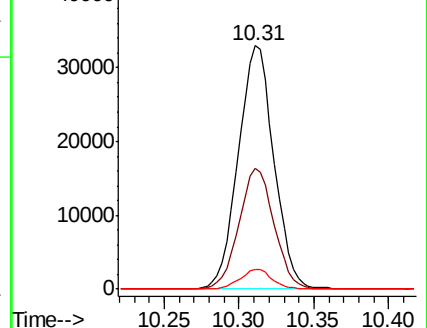
254 7.3 5.4 8.2

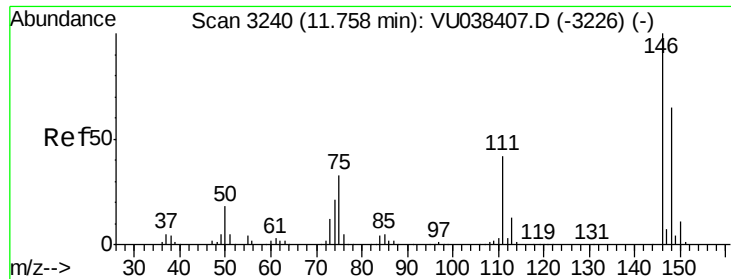


Abundance Ion 172.90 (172.60 to 173.60): VU038410.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU038410.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU038410.D (-2776) (-)

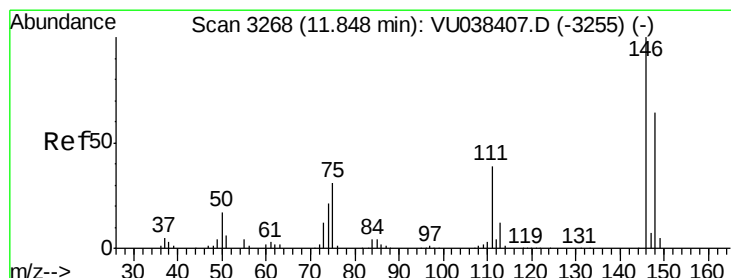
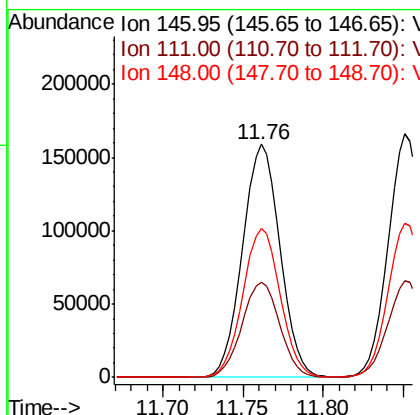
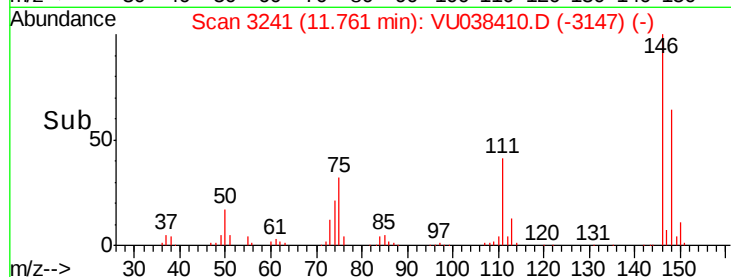
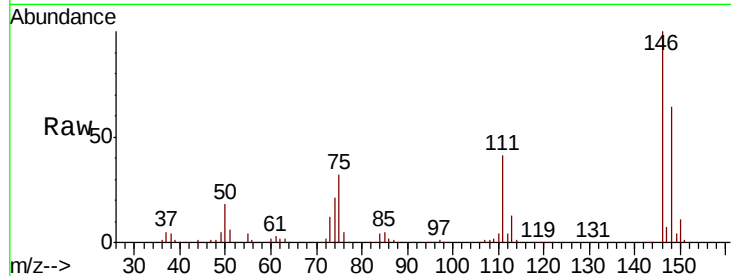




#62
 1,3-Dichlorobenzene
 Concen: 4.987 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

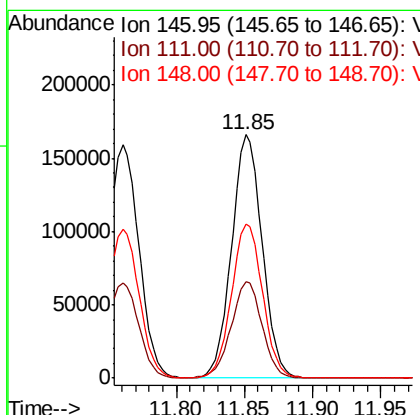
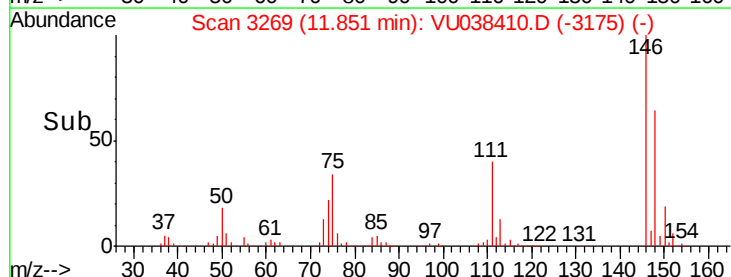
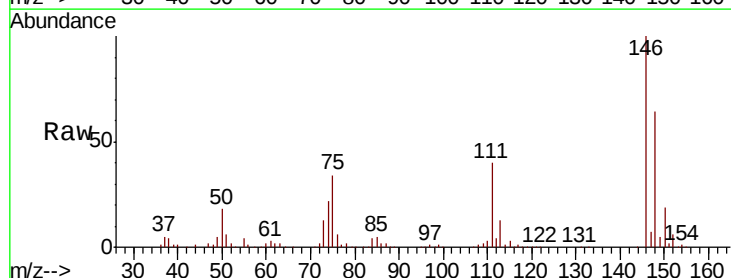
Instrument :
 MSVOA_U
 ClientSampled :

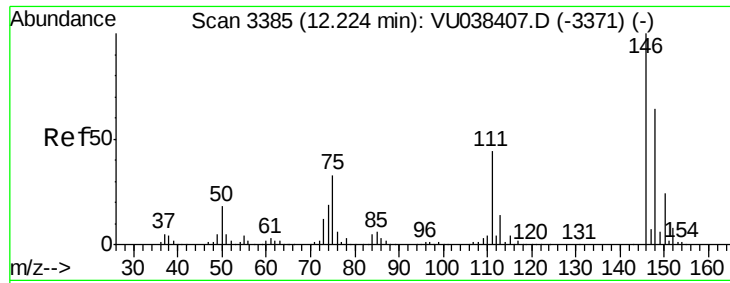
Tot Ion:146 Resp: 253851
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.5 54.9
 148 63.8 45.6 84.6



#63
 1,4-Dichlorobenzene
 Concen: 5.005 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

Tgt Ion:146 Resp: 258359
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.6 51.2
 148 63.5 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 5.061 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

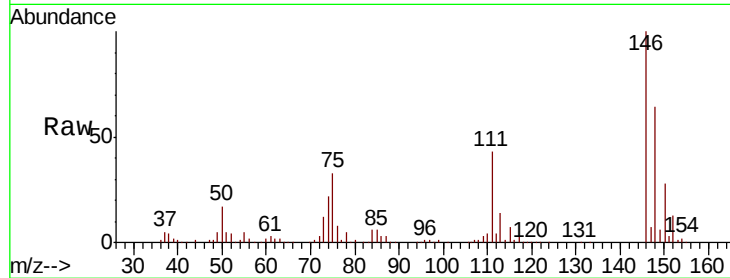
Tot Ion:146 Resp: 244643

Ion Ratio Lower Upper

146 100

111 43.0 35.1 52.7

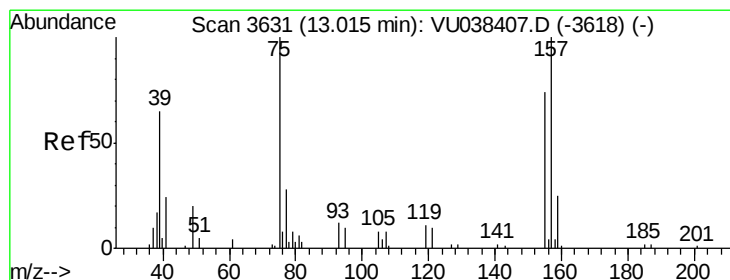
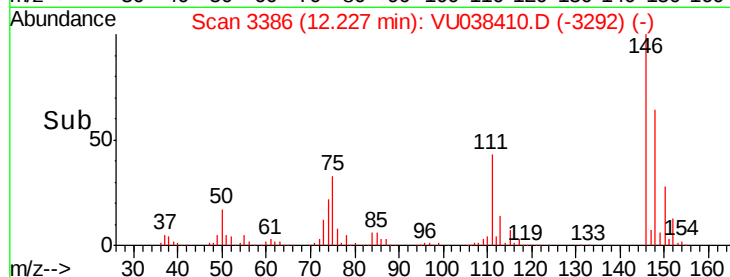
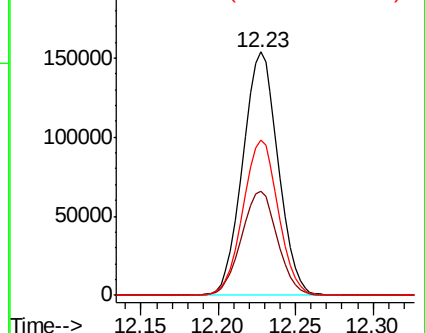
148 64.0 50.9 76.3



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: 5.017 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

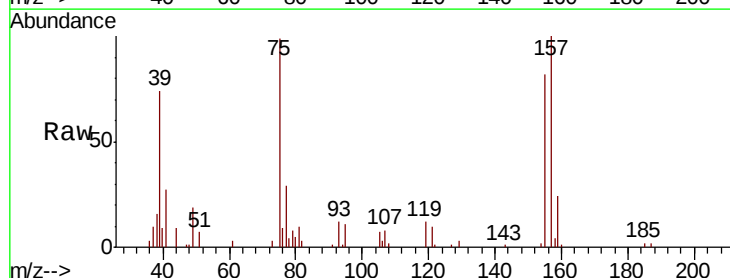
Tgt Ion: 75 Resp: 19635

Ion Ratio Lower Upper

75 100

155 82.6 59.6 89.4

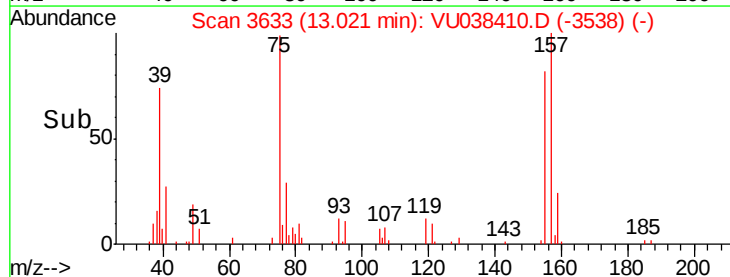
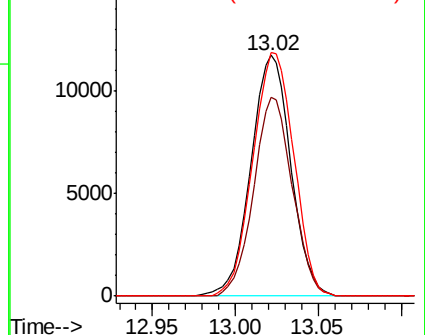
157 101.0 79.8 119.6

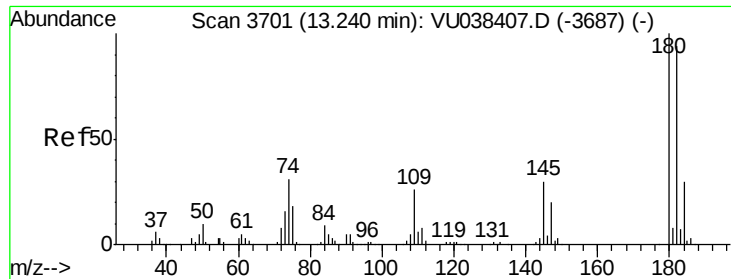


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

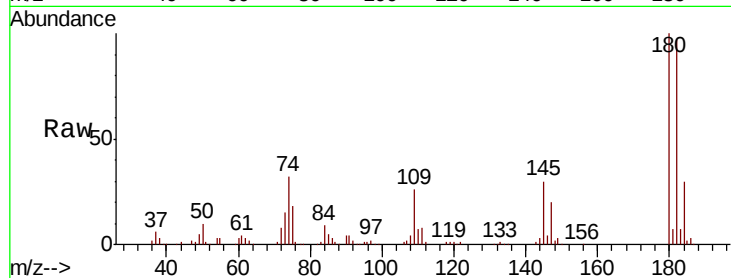




#67
 1,3,5-Trichlorobenzene
 Concen: 5.019 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
184	30.5	25.1	37.7
145	31.0	24.6	37.0



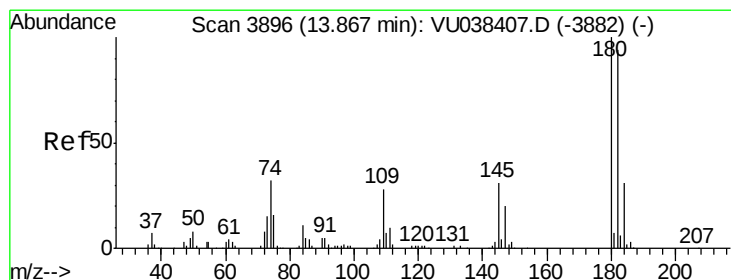
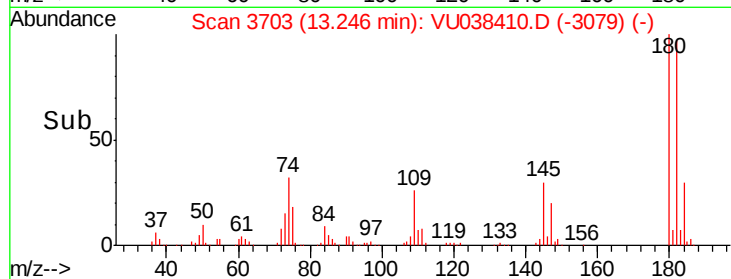
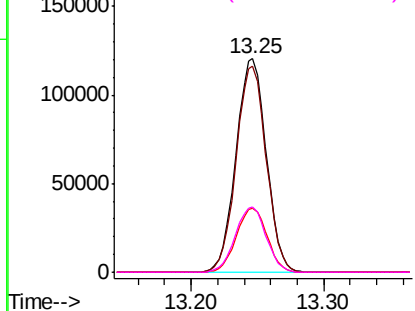
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

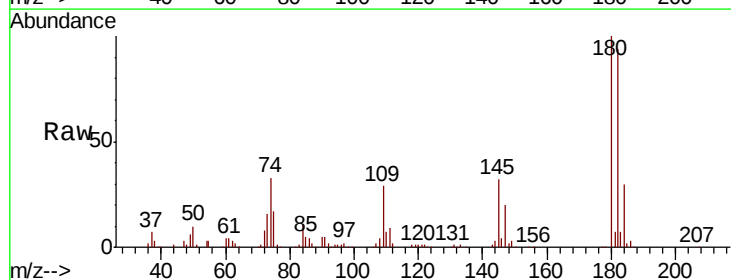
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.190 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU038410.D
 Acq: 30 May 2020 13:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.8	113.8
145	31.4	25.3	37.9

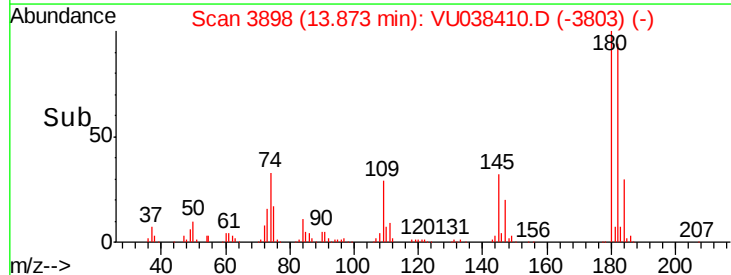
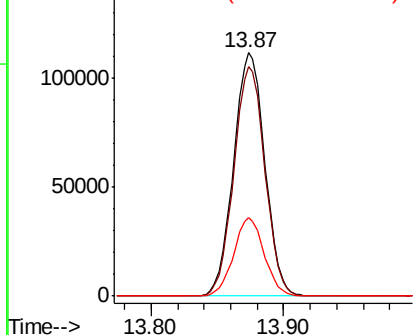


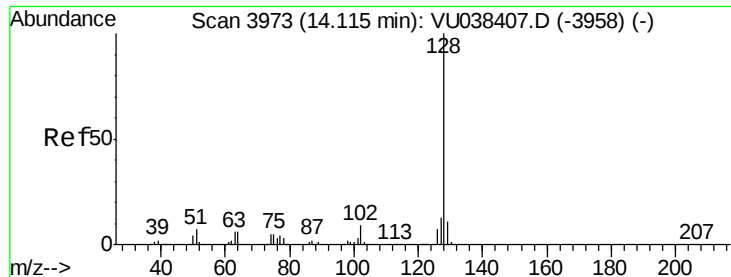
Abundance

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: 5.495 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

Instrument :

MSVOA_U

ClientSampleId :

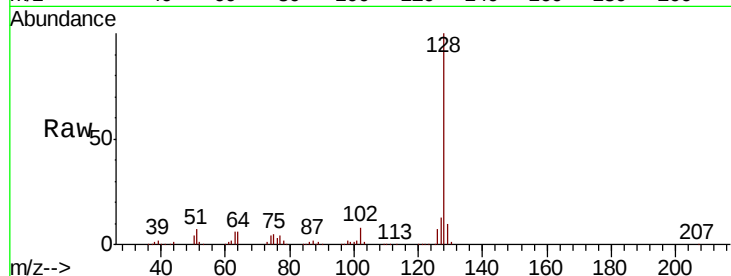
Tot Ion:128 Resp: 384419

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

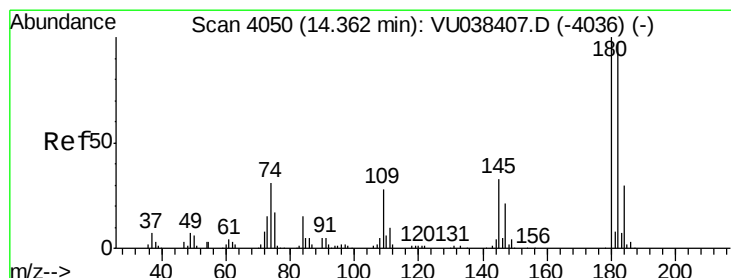
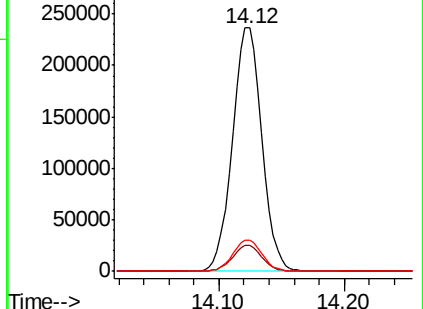
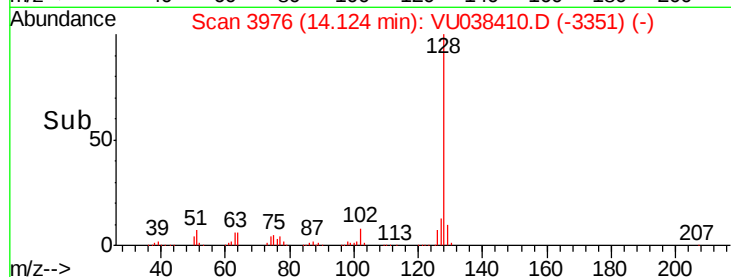
127 12.8 10.2 15.4



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: 5.265 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU038410.D

Acq: 30 May 2020 13:24

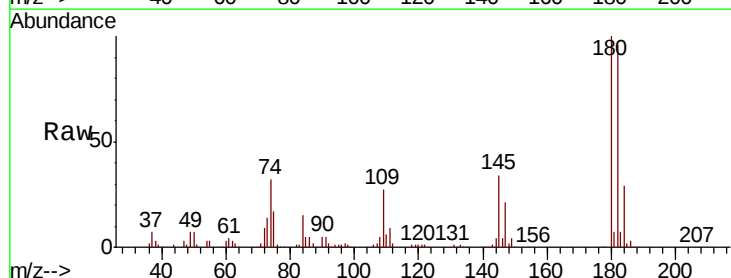
Tgt Ion:180 Resp: 168410

Ion Ratio Lower Upper

180 100

182 96.6 78.7 118.1

145 34.0 27.5 41.3



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

