

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038409.D
 Acq On : 30 May 2020 12:45
 Operator : JC/MD
 Sample : VSTD02005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 01:29:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 01:25:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	349556	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	343125	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	177959	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	447655	19.79	ug/L	0.00
7) Chloroethane-d5	1.93	69	336109	19.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	873167	19.61	ug/L	0.00
20) 2-Butanone-d5	4.68	46	1379777	200.76	ug/L	0.00
24) Chloroform-d	5.10	84	833558	19.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	458665	19.01	ug/L	0.00
32) Benzene-d6	5.76	84	1686236	19.69	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	510687	19.39	ug/L	0.00
41) Toluene-d8	7.92	98	1522977	19.82	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	238058	21.01	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	1148677	205.33	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	462288	20.67	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	600026	19.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	538893	19.561	ug/L 98
3) Chloromethane	1.53	50	487885	19.283	ug/L 100
5) Vinyl chloride	1.62	62	533271	19.672	ug/L 99
6) Bromomethane	1.87	94	279141	21.210	ug/L 100
8) Chloroethane	1.95	64	304606	18.753	ug/L 98
9) Trichlorofluoromethane	2.16	101	705905	19.629	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	413788	19.537	ug/L 99
12) 1,1-Dichloroethene	2.60	96	417606	19.399	ug/L 97
13) Acetone	2.68	43	840048	186.773	ug/L 100
14) Carbon disulfide	2.82	76	1437943	19.686	ug/L 100
15) Methyl Acetate	2.99	43	216244	19.625	ug/L 100
16) Methylene chloride	3.08	84	453789	18.627	ug/L 98
17) Methyl tert-butyl Ether	3.40	73	1173803	20.795	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	451349	19.454	ug/L 99
19) 1,1-Dichloroethane	3.91	63	819783	19.745	ug/L 98
21) 2-Butanone	4.76	43	1509787	199.574	ug/L 95
22) cis-1,2-Dichloroethene	4.71	96	489211	19.583	ug/L 97
23) Bromochloromethane	5.02	128	215552	19.173	ug/L 97
25) Chloroform	5.12	83	816359	19.356	ug/L 99
27) 1,2-Dichloroethane	5.83	62	565697	19.052	ug/L 98
29) 1,1,1-Trichloroethane	5.35	97	733740	20.209	ug/L 99
30) Cyclohexane	5.42	56	774796	20.351	ug/L 98
31) Carbon tetrachloride	5.56	117	620949	20.543	ug/L 100
33) Benzene	5.81	78	1855452	19.392	ug/L 100
34) Trichloroethene	6.57	95	479220	19.297	ug/L 97
35) Methylcyclohexane	6.79	83	789592	20.536	ug/L 97
37) 1,2-Dichloropropane	6.82	63	476077	19.773	ug/L 99
38) Bromodichloromethane	7.13	83	608082	20.336	ug/L 99
39) cis-1,3-Dichloropropene	7.63	75	764630	21.488	ug/L 98
40) 4-Methyl-2-pentanone	7.82	43	3513636	204.056	ug/L 99

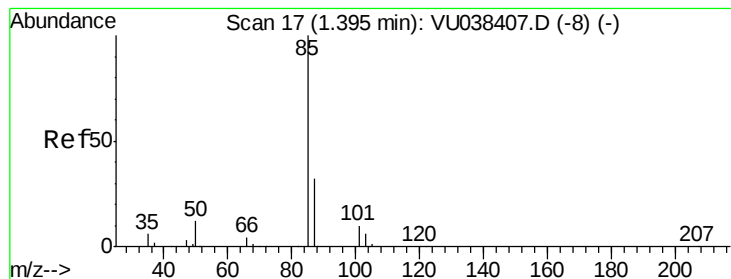
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 01:25:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	2020947	20.137	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	672654	21.403	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	359358	19.783	ug/L	96
47) Tetrachloroethene	8.57	164	361611	20.041	ug/L	98
48) 2-Hexanone	8.71	43	2699373	207.004	ug/L	99
49) Dibromochloromethane	8.83	129	410966	20.961	ug/L	97
50) 1,2-Dibromoethane	8.94	107	348006	20.008	ug/L	99
51) Chlorobenzene	9.47	112	1279760	19.773	ug/L	98
52) Ethylbenzene	9.59	91	2326014	20.832	ug/L	99
53) m,p-Xylene	9.71	106	901950	21.004	ug/L	99
54) o-Xylene	10.12	106	866444	21.019	ug/L	100
55) Styrene	10.13	104	1518956	21.708	ug/L	100
56) Isopropylbenzene	10.50	105	2302044	21.218	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	469694	20.347	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	356871	19.858	ug/L	99
61) Bromoform	10.31	173	238641	21.526	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	1036945	19.832	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	1038184	19.580	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	980075	19.740	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	81183	20.196	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	790441	20.263	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	745543	20.648	ug/L	99
69) Naphthalene	14.11	128	1564804	21.777	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	674330	20.525	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 19.561 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Instrument :

MSVOA_U

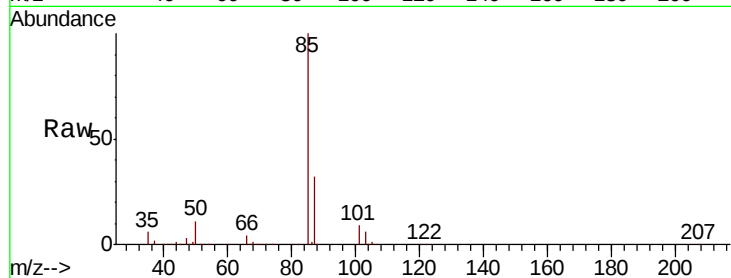
ClientSampled :

Tot Ion: 85 Resp: 538893

Ion Ratio Lower Upper

85 100

87 32.3 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038409.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038409.D (-8) (-)

1.39

600000

500000

400000

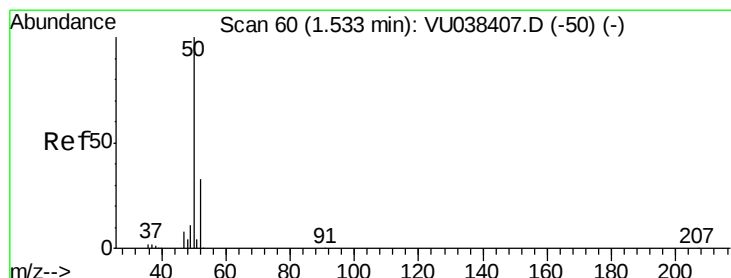
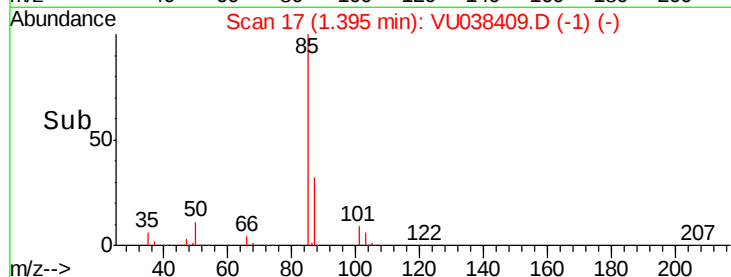
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 19.283 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038409.D

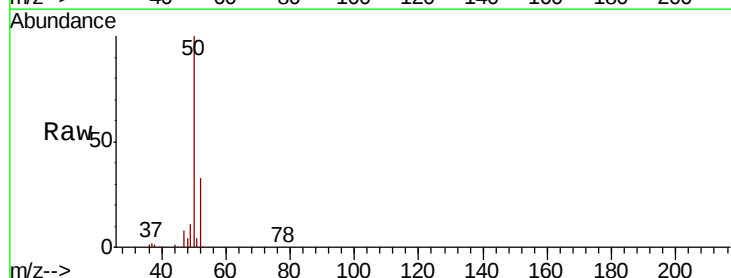
Acq: 30 May 2020 12:45

Tgt Ion: 50 Resp: 487885

Ion Ratio Lower Upper

50 100

52 32.8 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038409.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038409.D (-50) (-)

1.53

500000

400000

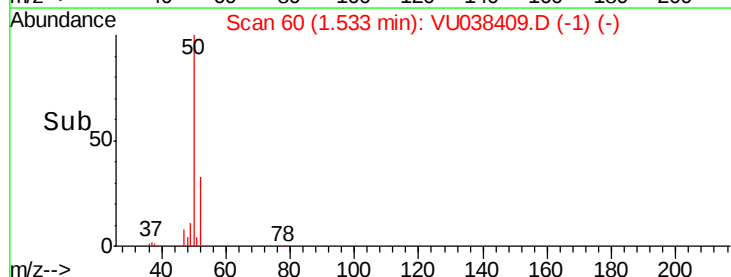
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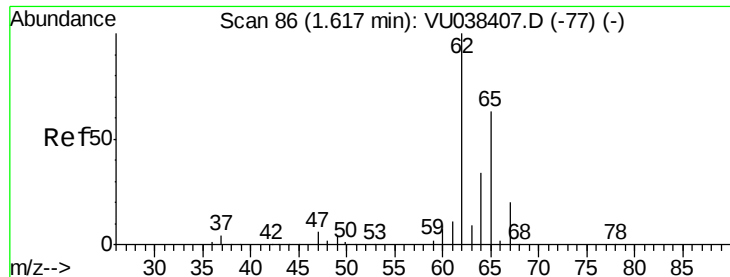
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 19.672 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Instrument :

MSVOA_U

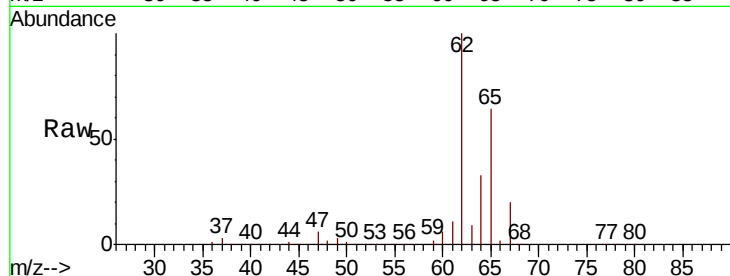
ClientSampled :

Tot Ion: 62 Resp: 533271

Ion Ratio Lower Upper

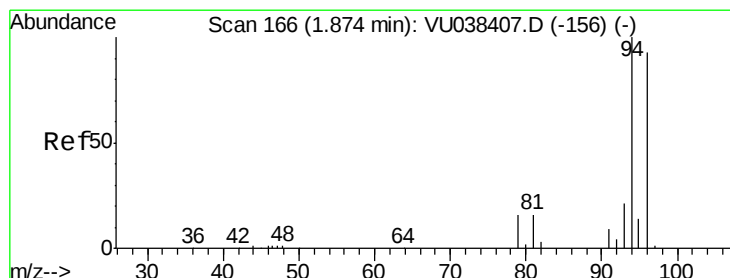
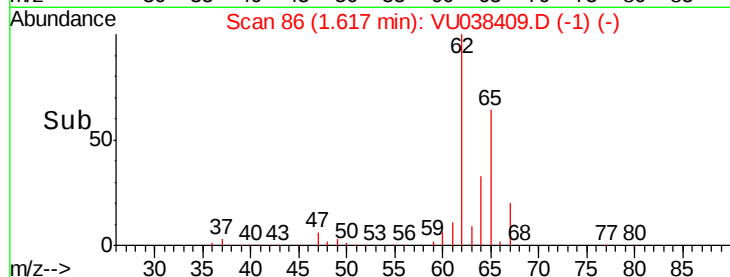
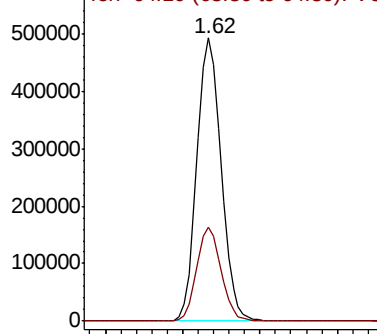
62 100

64 33.3 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 21.210 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038409.D

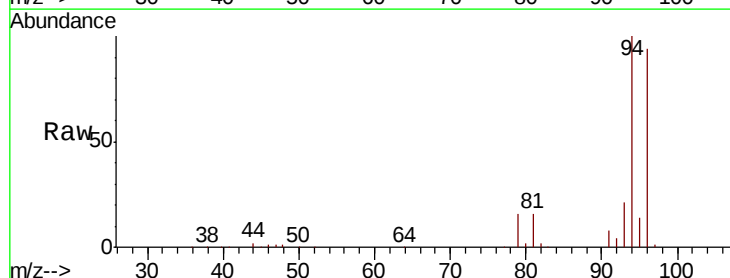
Acq: 30 May 2020 12:45

Tgt Ion: 94 Resp: 279141

Ion Ratio Lower Upper

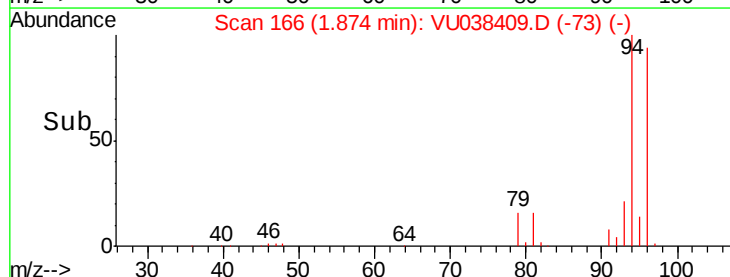
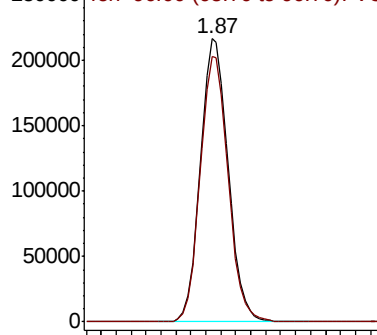
94 100

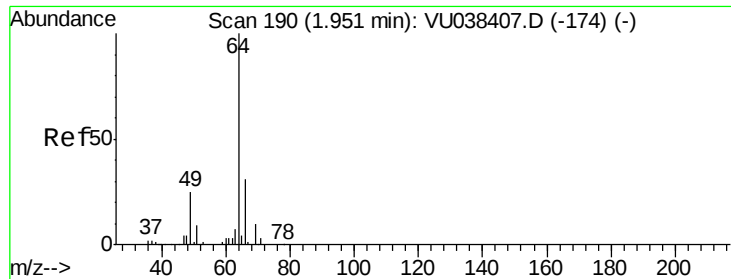
96 93.9 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

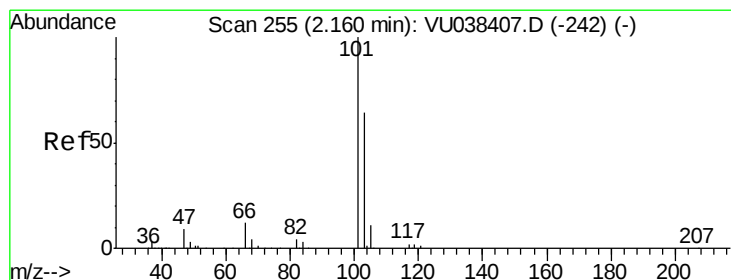
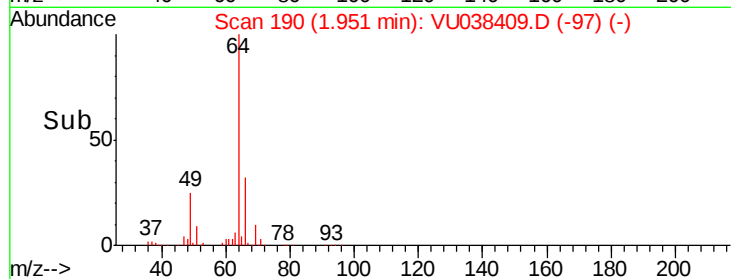
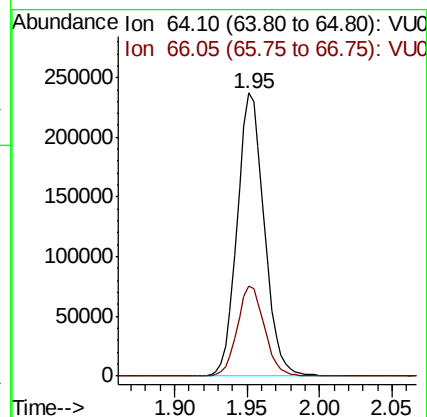
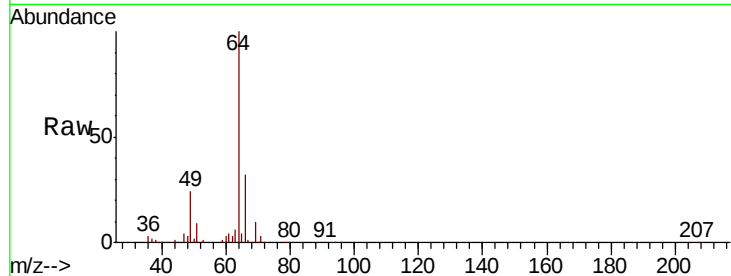




#8
Chloroethane
Concen: 18.753 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

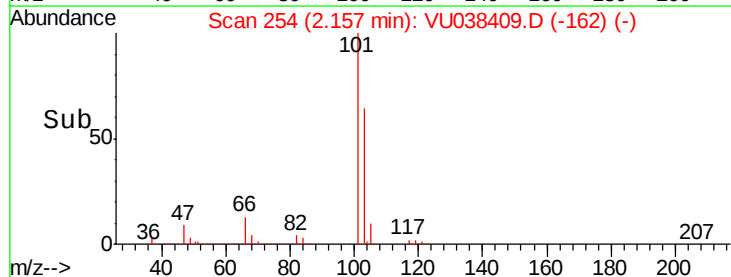
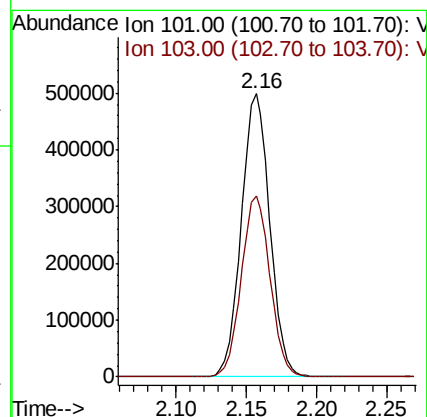
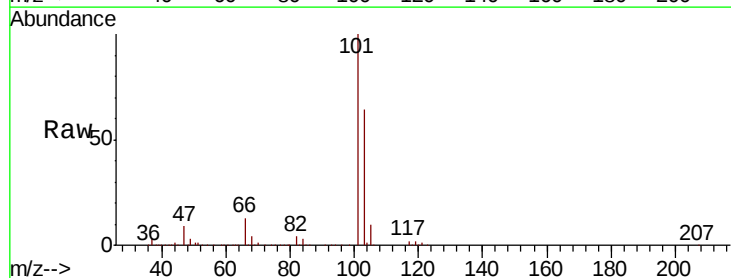
Instrument :
MSVOA_U
ClientSampleId :

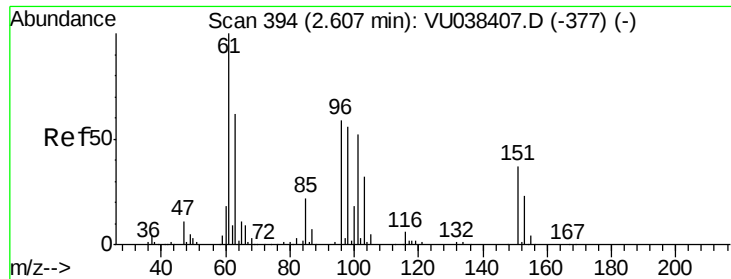
Tot Ion: 64 Resp: 304606
Ion Ratio Lower Upper
64 100
66 31.8 21.5 39.9



#9
Trichlorofluoromethane
Concen: 19.629 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

Tgt Ion:101 Resp: 705905
Ion Ratio Lower Upper
101 100
103 64.6 51.1 76.7





#10

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

Concen: 19.537 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Instrument :

MSVOA_U

ClientSampled :

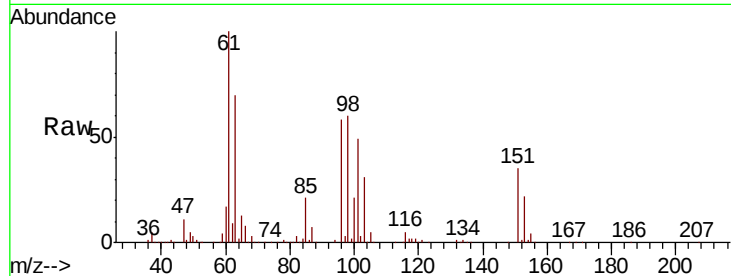
Tot Ion:101 Resp: 413788

Ion Ratio Lower Upper

101 100

85 43.3 34.0 51.0

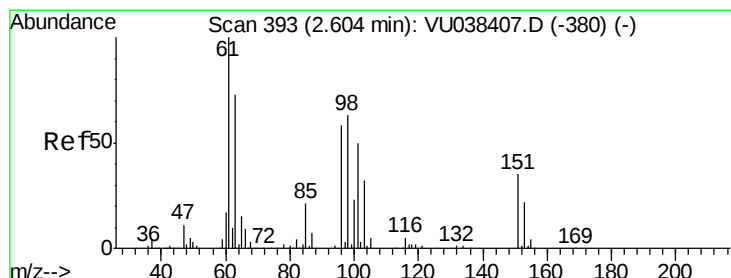
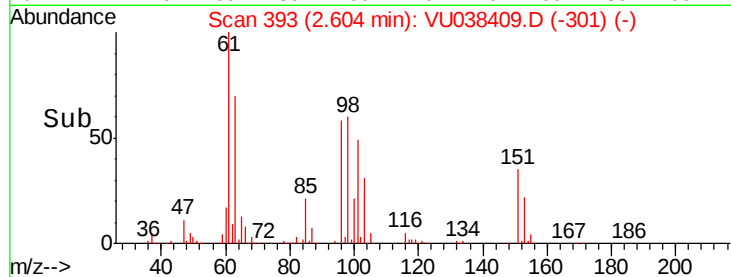
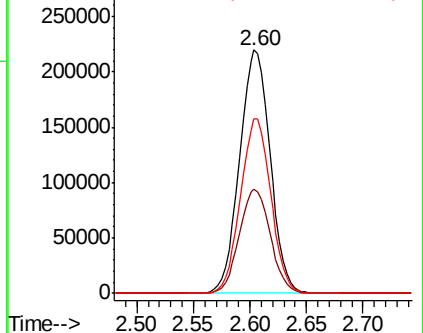
151 71.2 56.9 85.3



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: 19.399 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

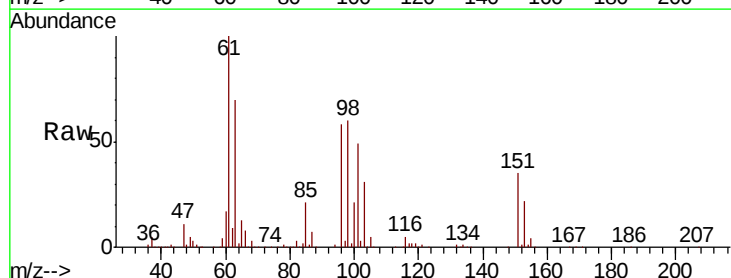
Tgt Ion: 96 Resp: 417606

Ion Ratio Lower Upper

96 100

61 172.4 119.9 222.7

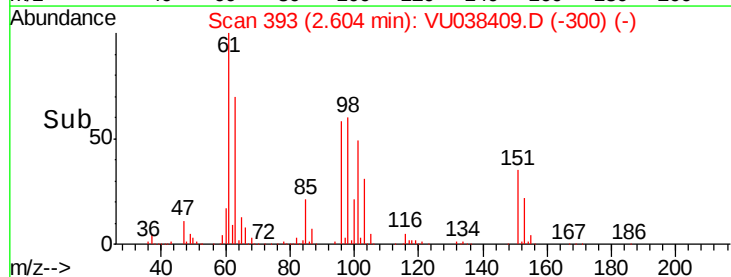
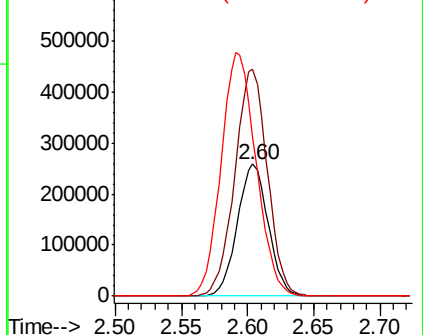
63 120.9 89.9 167.0

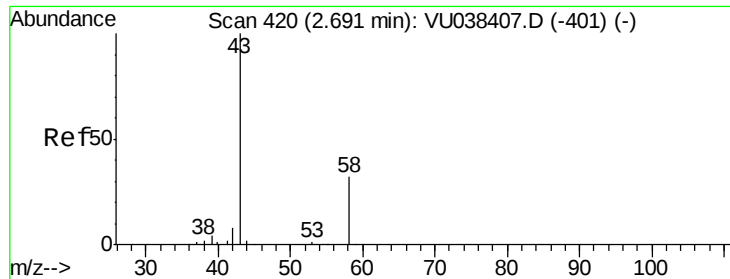


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 186.773 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.01 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Instrument :

MSVOA_U

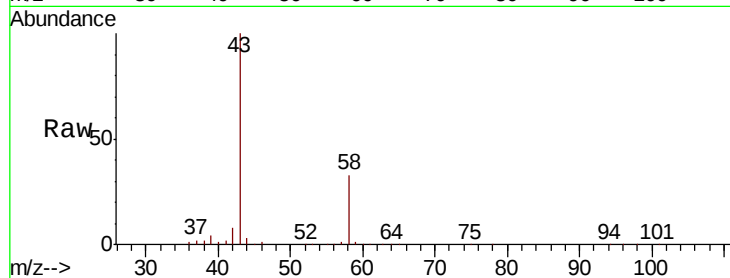
ClientSampleId :

Tot Ion: 43 Resp: 840048

Ion Ratio Lower Upper

43 100

58 32.7 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038407.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU038407.D (-401) (-)

250000

200000

150000

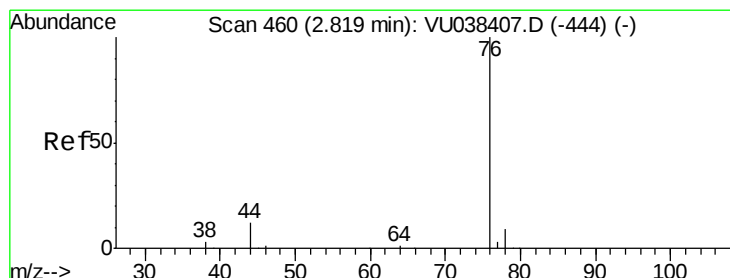
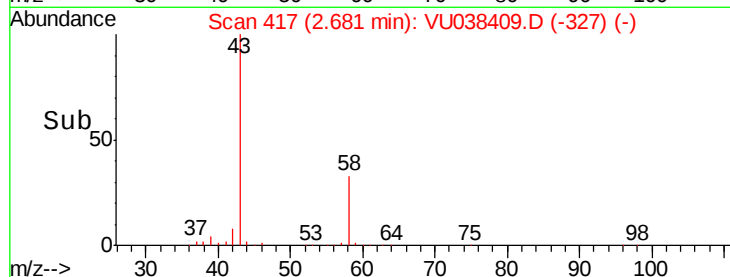
100000

50000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 19.686 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038409.D

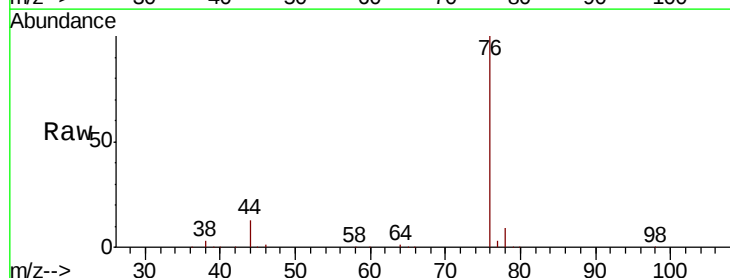
Acq: 30 May 2020 12:45

Tgt Ion: 76 Resp: 1437943

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038407.D (-444) (-)

Ion 78.00 (77.70 to 78.70): VU038407.D (-444) (-)

1000000

800000

600000

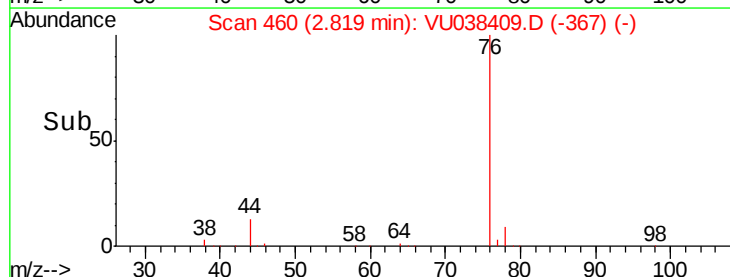
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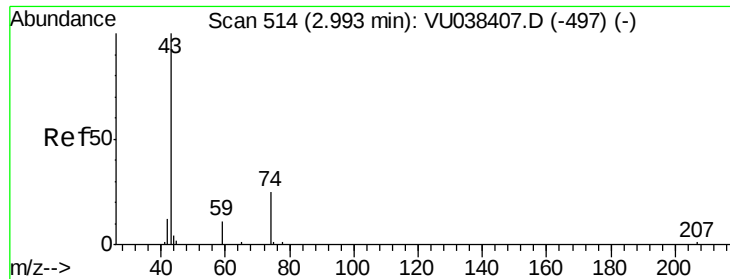
200000

0

2.70 2.80 2.90

Time-->

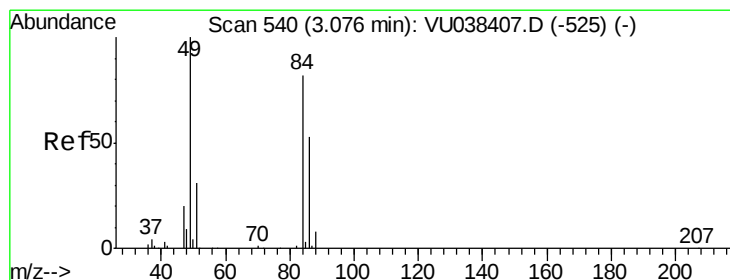
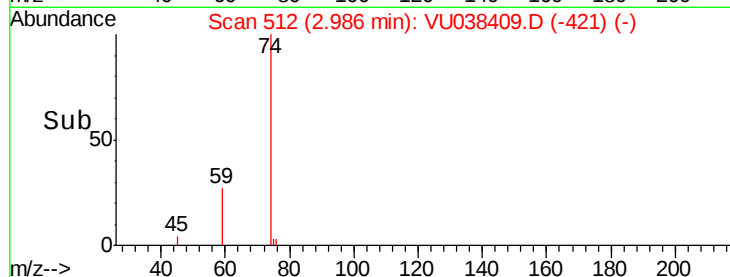
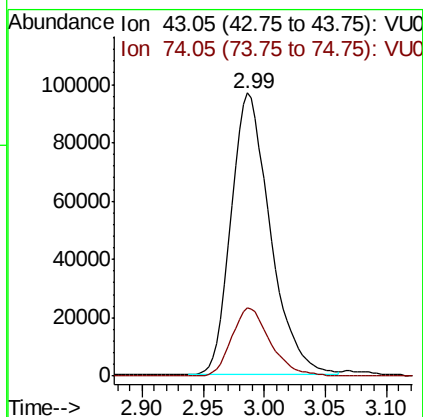
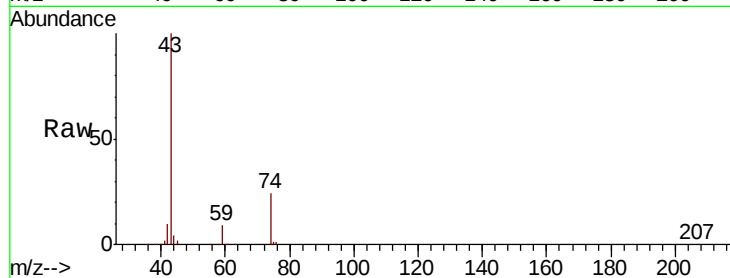




#15
Methvl Acetate
Concen: 19.625 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.01 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

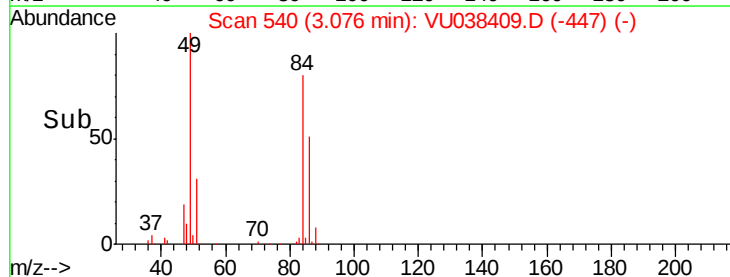
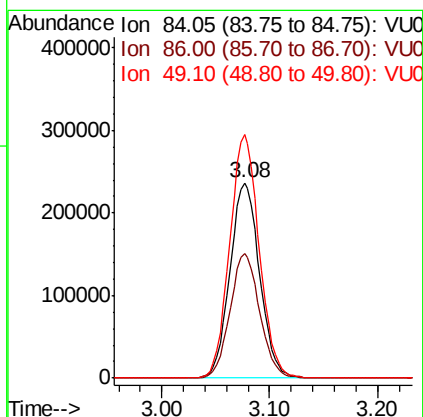
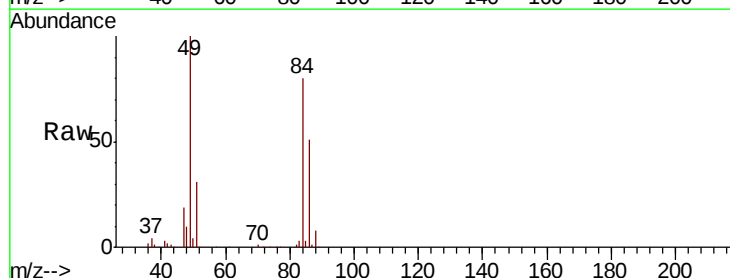
Instrument :
MSVOA_U
ClientSampled :

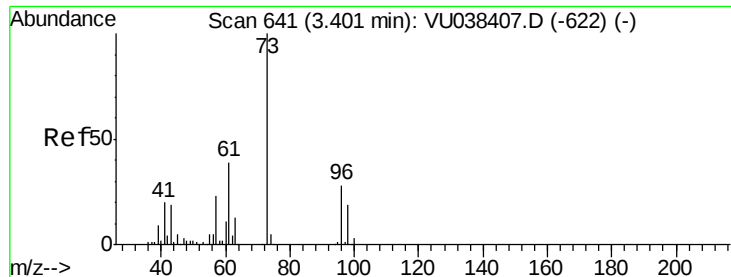
Tot Ion: 43 Resp: 216244
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8



#16
Methylene chloride
Concen: 18.627 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

Tgt Ion: 84 Resp: 453789
Ion Ratio Lower Upper
84 100
86 64.0 45.0 83.6
49 124.7 85.5 158.9



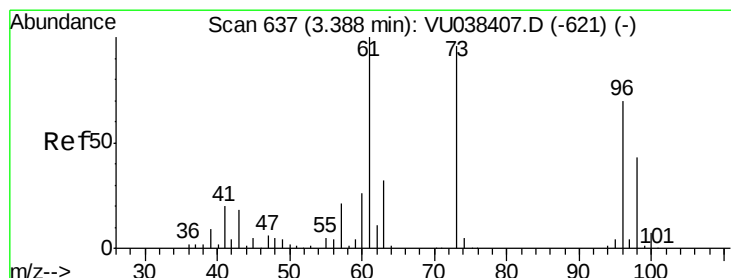
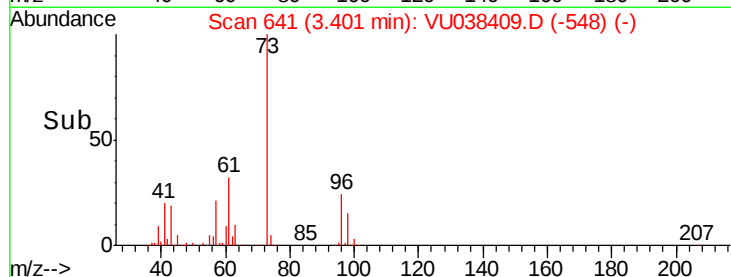
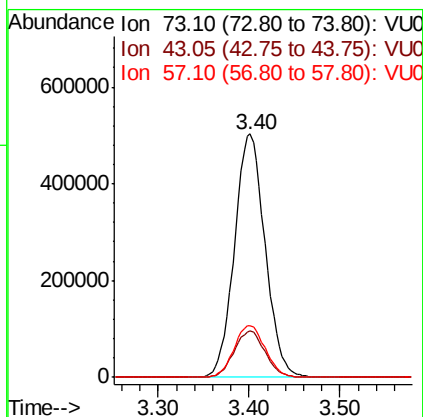
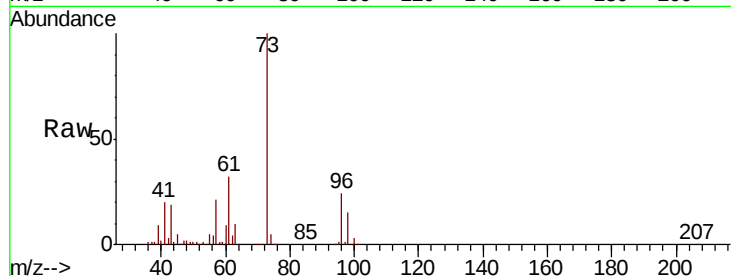


#17

Methvl tert-butvl Ether
 Concen: 20.795 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VU038409.D
 Acq: 30 May 2020 12:45

Instrument :
 MSVOA_U
 ClientSampleId :

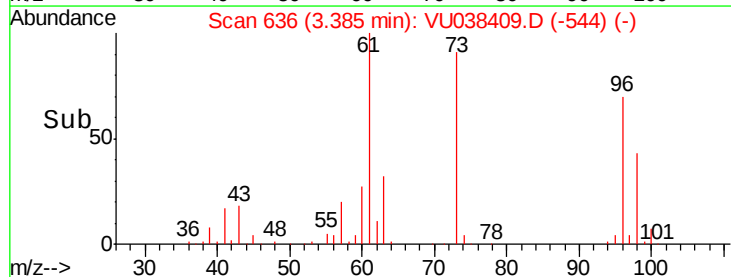
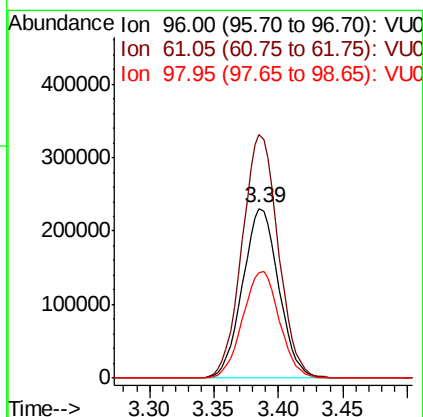
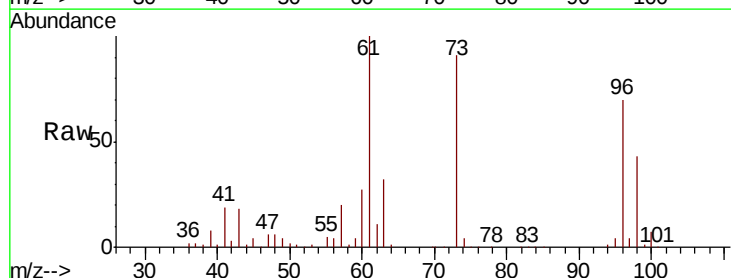
Tot Ion: 73 Resp: 1173803
 Ion Ratio Lower Upper
 73 100
 43 19.3 15.5 23.3
 57 21.8 17.8 26.6

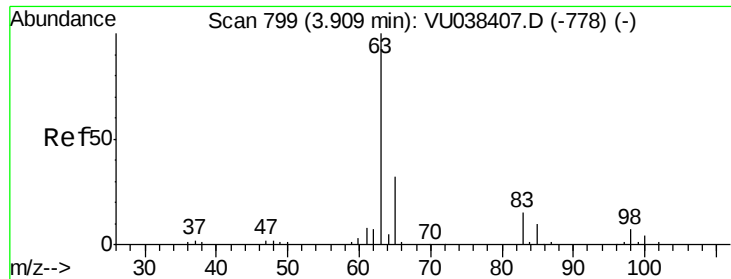


#18

trans-1,2-Dichloroethene
 Concen: 19.454 ug/L
 RT: 3.39 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VU038409.D
 Acq: 30 May 2020 12:45

Tgt Ion: 96 Resp: 451349
 Ion Ratio Lower Upper
 96 100
 61 143.5 100.2 186.0
 98 62.4 42.8 79.4

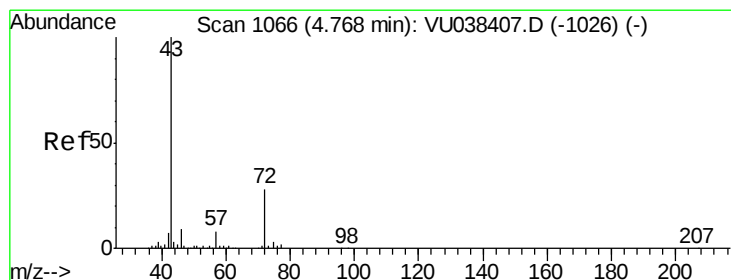
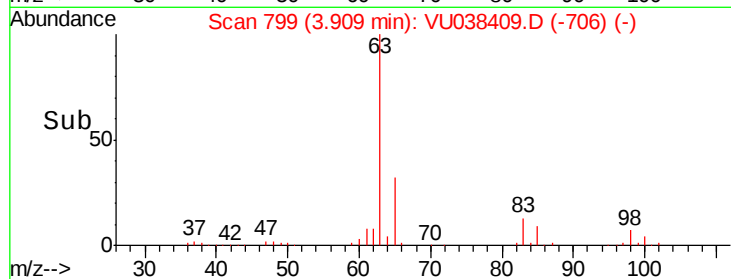
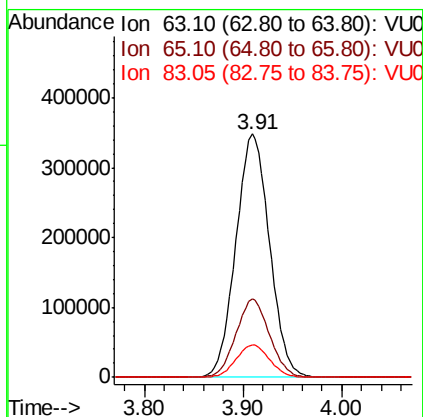
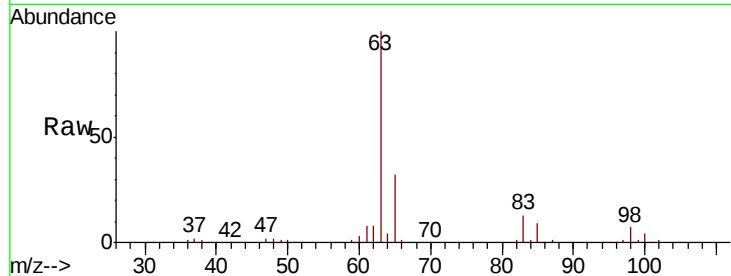




#19
 1,1-Dichloroethane
 Concen: 19.745 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038409.D
 Acq: 30 May 2020 12:45

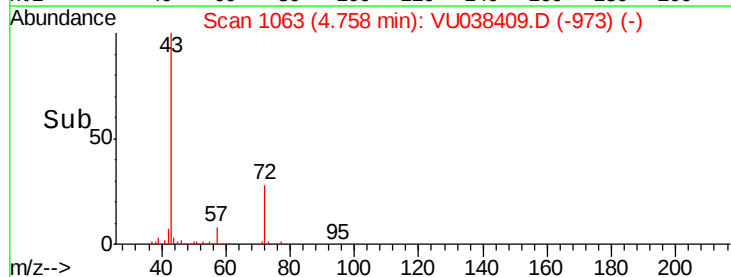
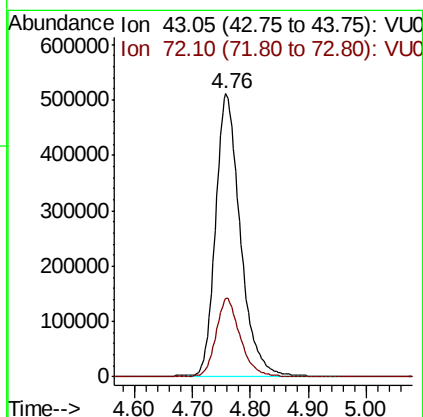
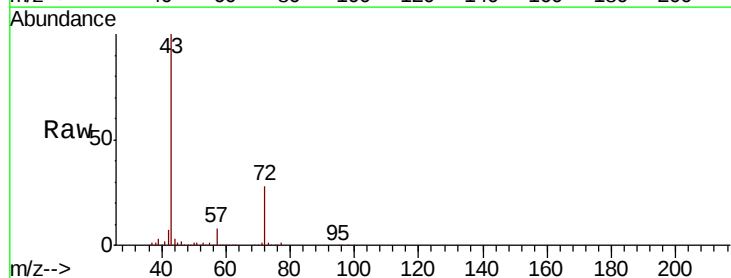
Instrument :
 MSVOA_U
 ClientSampled :

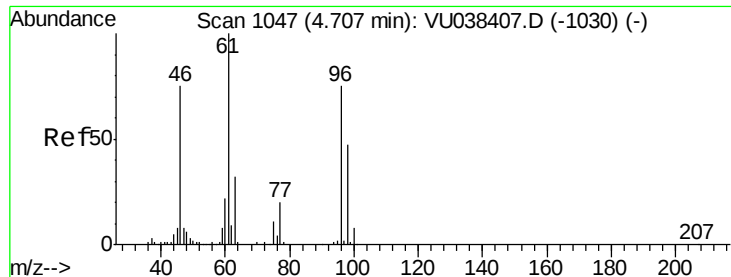
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.3	41.5
83	13.2	10.4	19.4



#21
 2-Butanone
 Concen: 199.574 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: VU038409.D
 Acq: 30 May 2020 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.6	12.6	37.8





#22

cis-1,2-Dichloroethene

Concen: 19.583 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Instrument :
MSVOA_U
ClientSampleId :

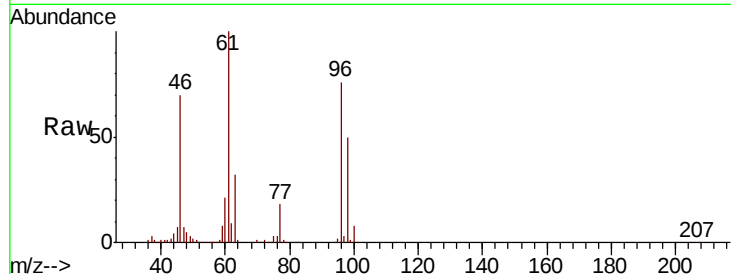
Tot Ion: 96 Resp: 489211

Ion Ratio Lower Upper

96 100

61 131.1 94.0 174.6

68 0.0 0.0 0.0

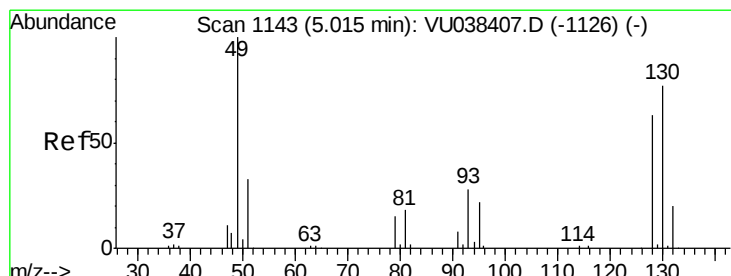
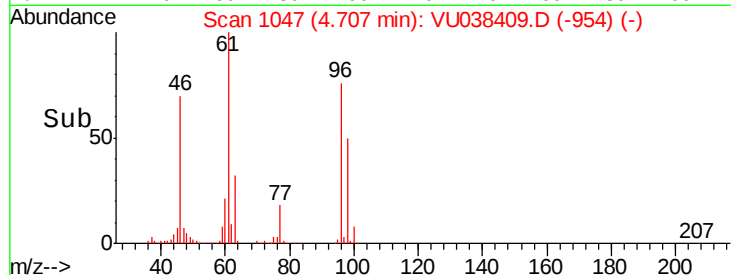
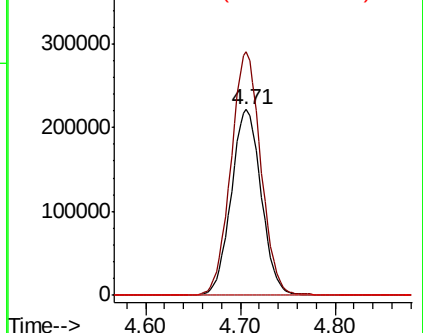


Abundance

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: 19.173 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Tgt Ion: 128 Resp: 215552

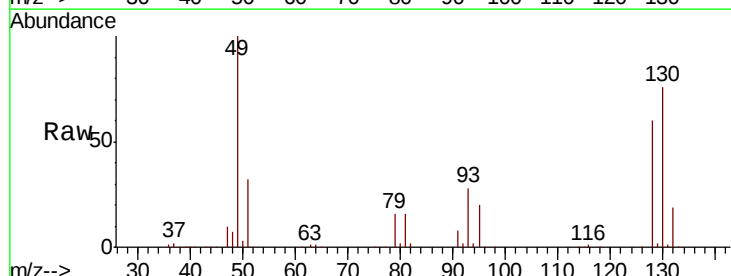
Ion Ratio Lower Upper

128 100

49 166.4 111.9 207.7

130 126.3 86.5 160.7

51 52.9 41.7 62.5



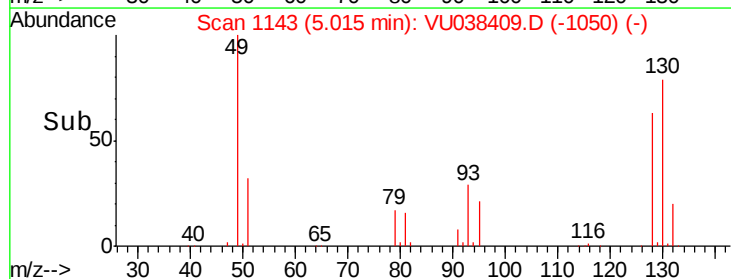
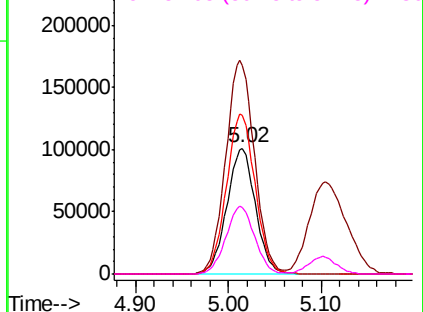
Abundance

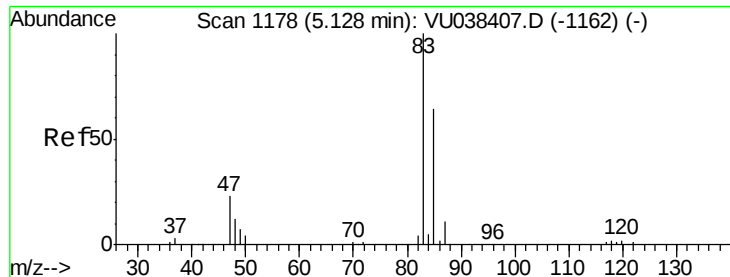
Ion 127.90 (127.60 to 128.60): V

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

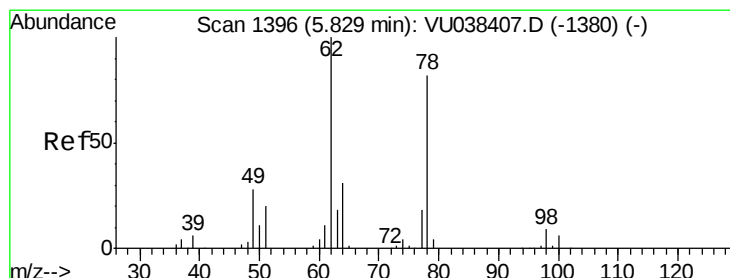
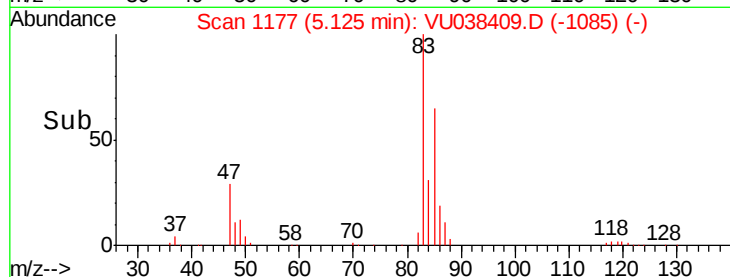
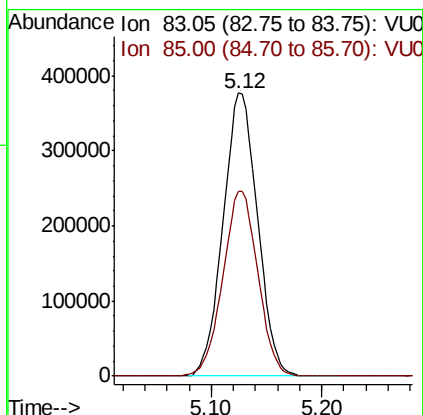
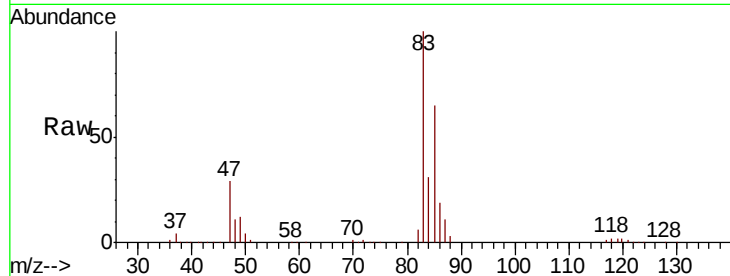




#25
Chloroform
Concen: 19.356 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

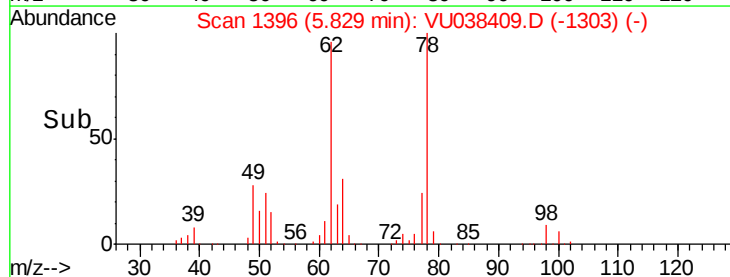
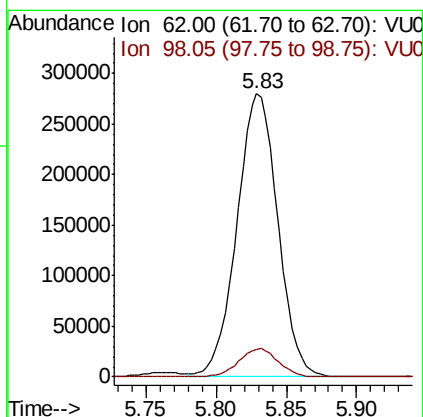
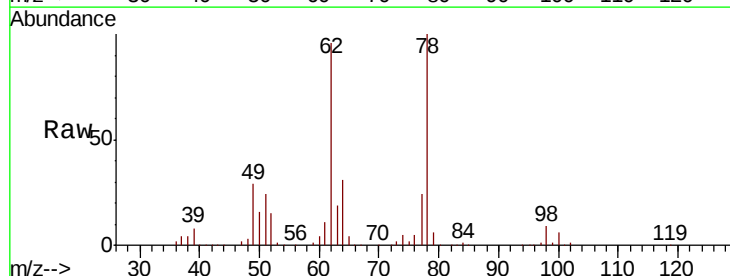
Instrument :
MSVOA_U
ClientSampleId :

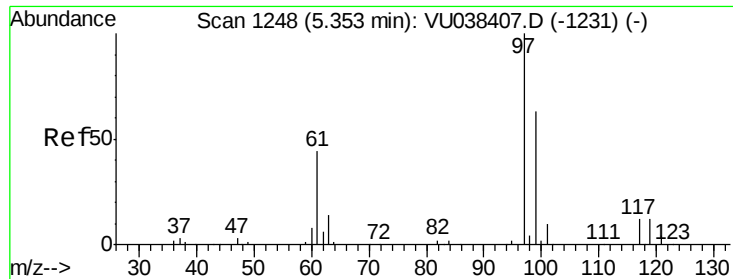
Tot Ion: 83 Resp: 816359
Ion Ratio Lower Upper
83 100
85 65.3 44.9 83.5



#27
1,2-Dichloroethane
Concen: 19.052 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

Tgt Ion: 62 Resp: 565697
Ion Ratio Lower Upper
62 100
98 9.9 7.4 11.2

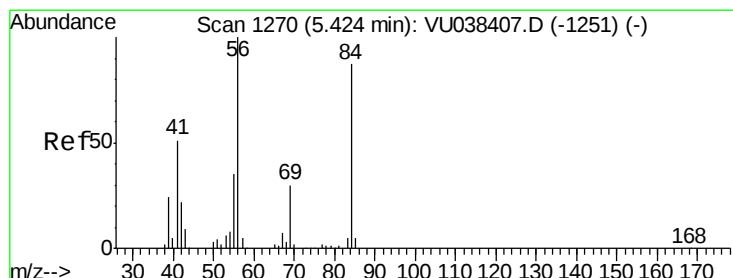
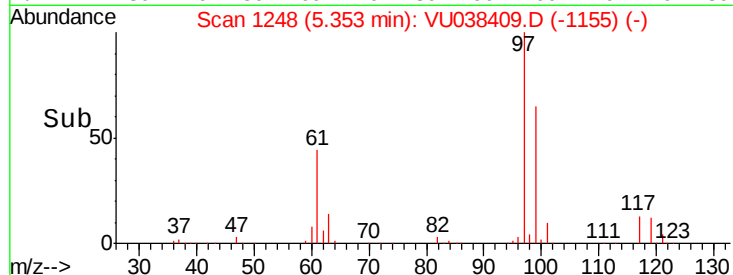
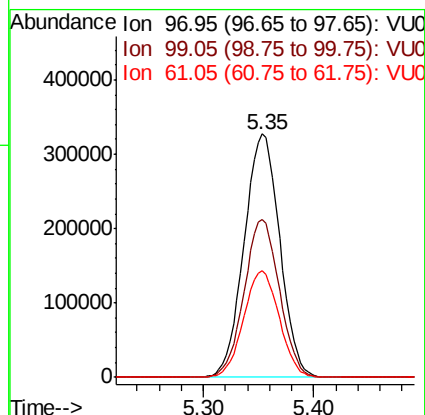
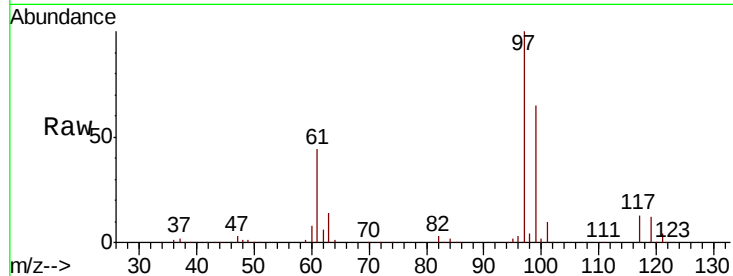




#29
 1,1,1-Trichloroethane
 Concen: 20.209 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038409.D
 Acq: 30 May 2020 12:45

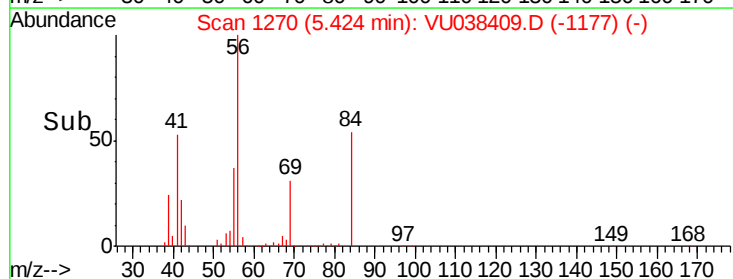
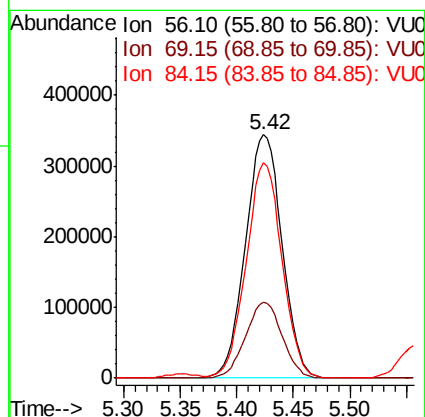
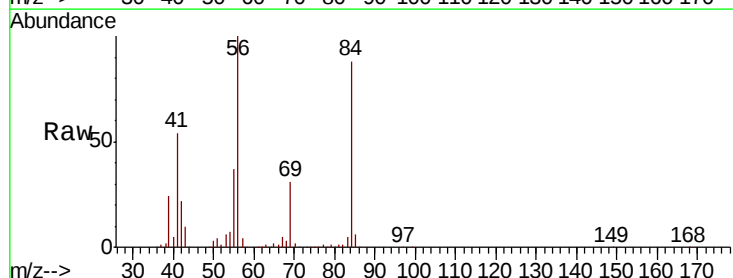
Instrument :
 MSVOA_U
 ClientSampled :

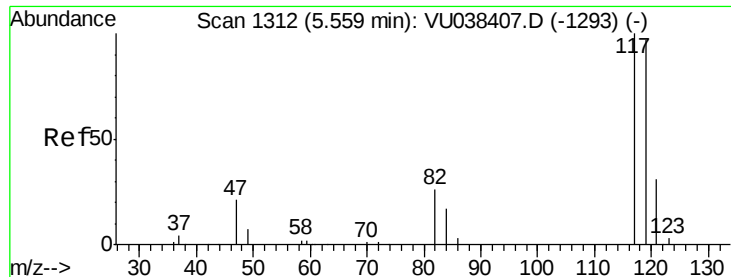
Tot Ion: 97 Resp: 733740
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.2 78.2
 61 43.7 35.4 53.2



#30
 Cyclohexane
 Concen: 20.351 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038409.D
 Acq: 30 May 2020 12:45

Tgt Ion: 56 Resp: 774796
 Ion Ratio Lower Upper
 56 100
 69 31.2 24.2 36.4
 84 86.7 70.8 106.2





#31

Carbon tetrachloride

Concen: 20.543 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Instrument :

MSVOA_U

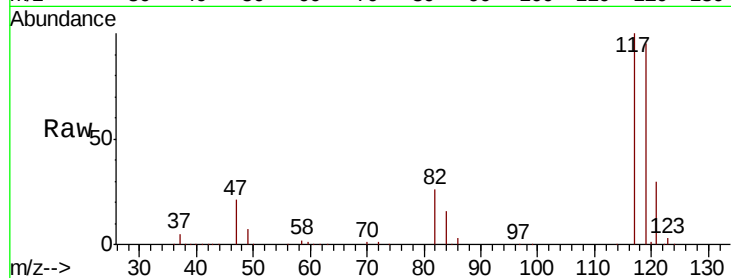
ClientSampleId :

Tot Ion:117 Resp: 620949

Ion Ratio Lower Upper

117 100

119 95.5 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

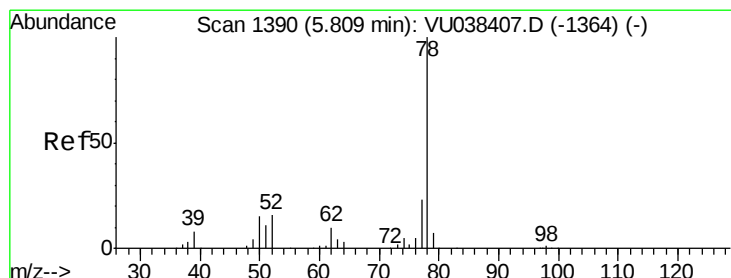
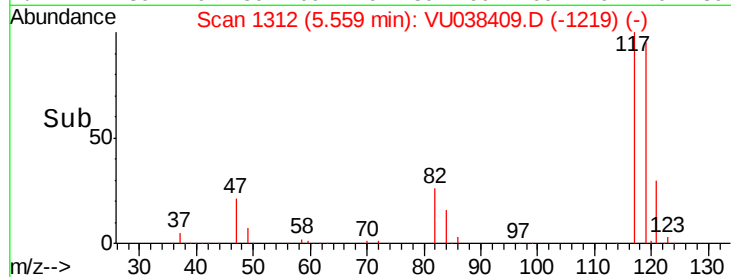
300000

200000

100000

0

Time-->



#33

Benzene

Concen: 19.392 ug/L

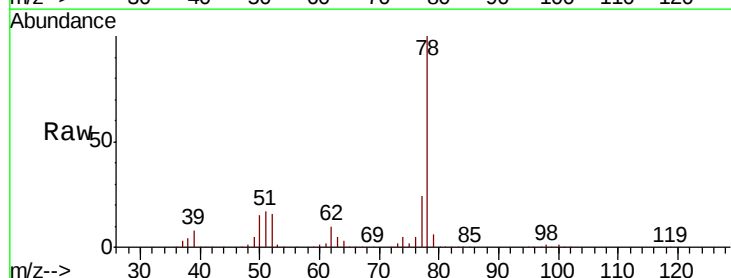
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Tgt Ion: 78 Resp: 1855452



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

1000000

800000

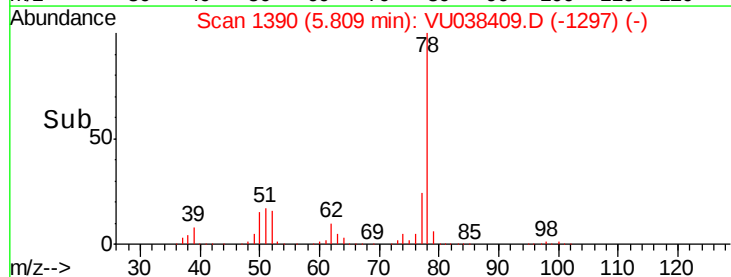
600000

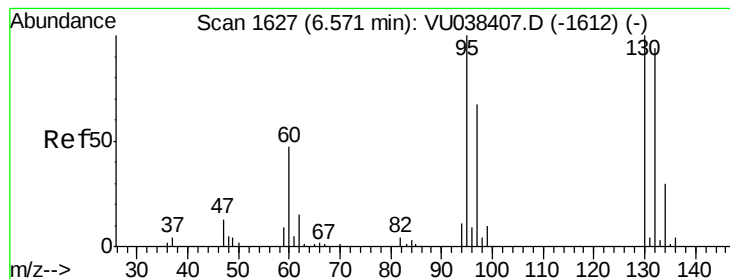
400000

200000

0

Time-->





#34

Trichloroethene

Concen: 19.297 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 479220

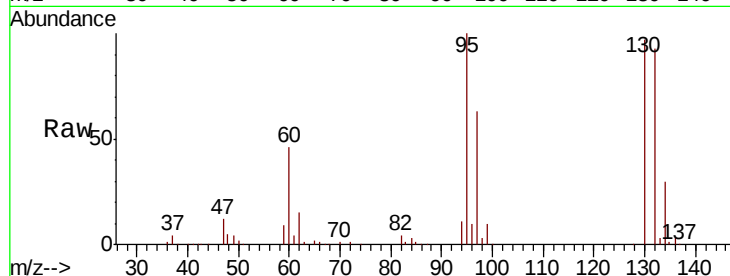
Ion Ratio Lower Upper

95 100

97 63.1 46.8 87.0

132 93.1 66.1 122.7

130 96.7 70.0 130.0

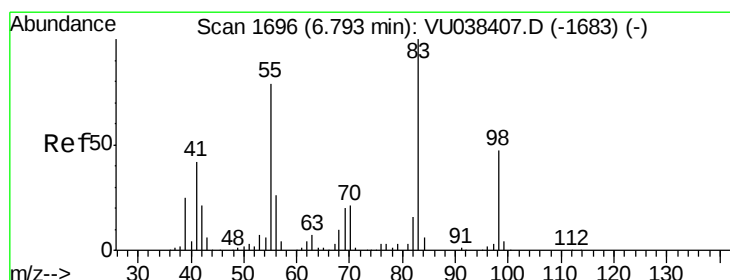
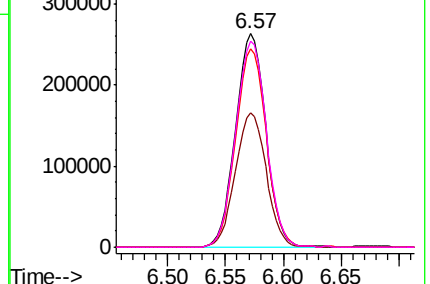
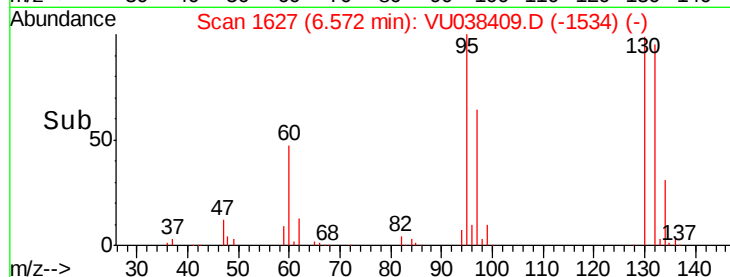


Abundance Ion 95.00 (94.70 to 95.70): VU038409.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038409.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038409.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038409.D (-1534) (-)



#35

Methylcyclohexane

Concen: 20.536 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

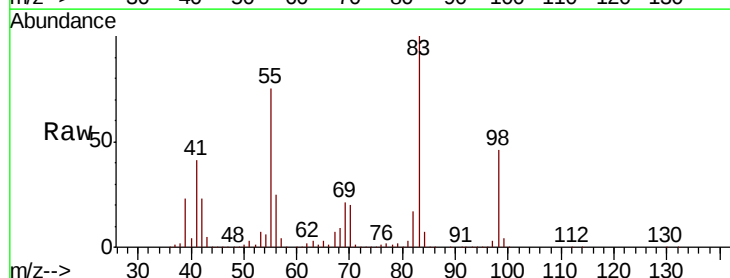
Tgt Ion: 83 Resp: 789592

Ion Ratio Lower Upper

83 100

55 76.4 63.4 95.2

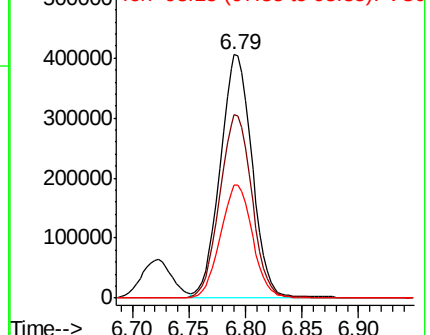
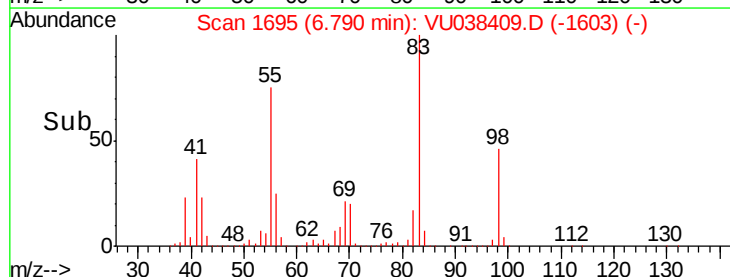
98 46.5 39.0 58.4

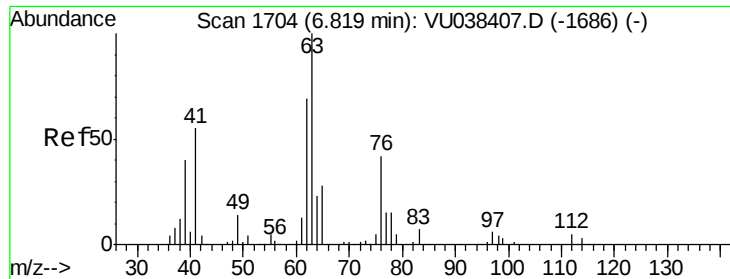


Abundance Ion 83.15 (82.85 to 83.85): VU038409.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU038409.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU038409.D (-1603) (-)





#37

1,2-Dichloropropane

Concen: 19.773 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Instrument :

MSVOA_U

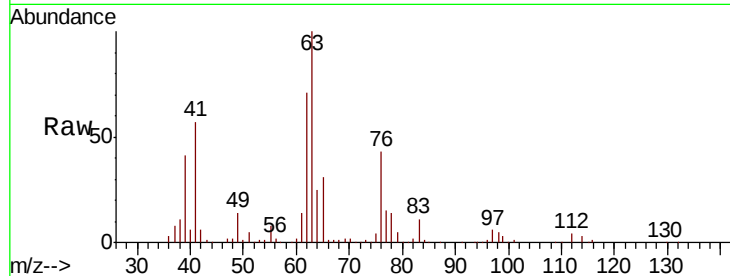
ClientSampleId :

Tot Ion: 63 Resp: 476077

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



Abundance Ion 63.10 (62.80 to 63.80): VU038407.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU038407.D (-1686) (-)

6.82

250000

200000

150000

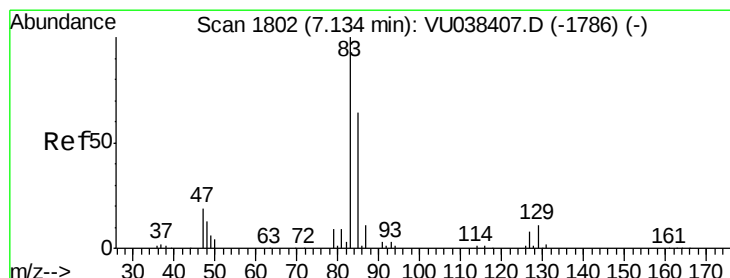
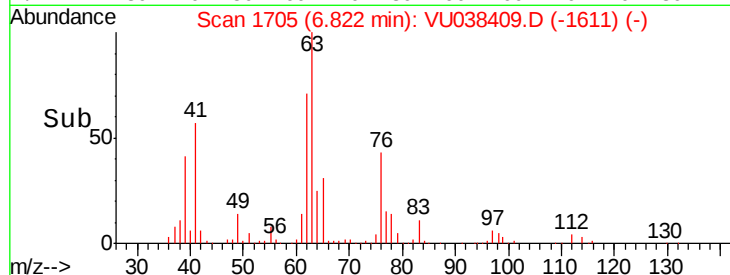
100000

50000

0

6.70 6.80 6.90

Time-->



#38

Bromodichloromethane

Concen: 20.336 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

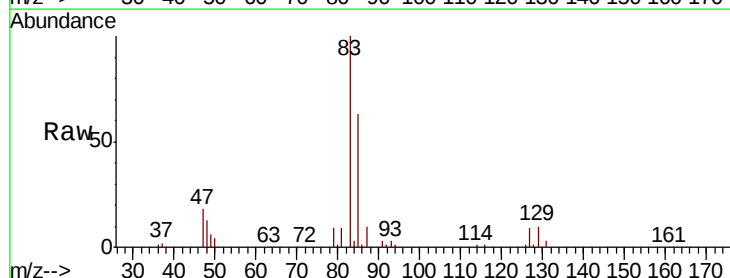
Tgt Ion: 83 Resp: 608082

Ion Ratio Lower Upper

83 100

85 63.5 44.7 83.1

127 8.6 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VU038407.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU038407.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU038407.D (-1786) (-)

7.13

400000

300000

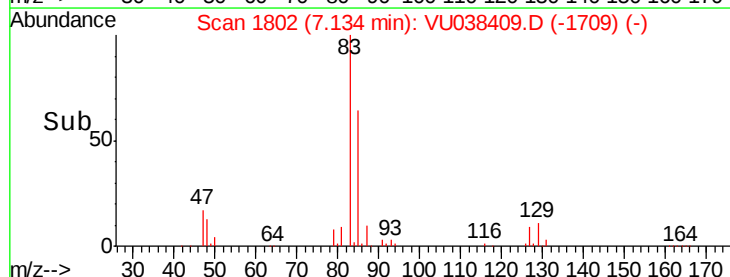
200000

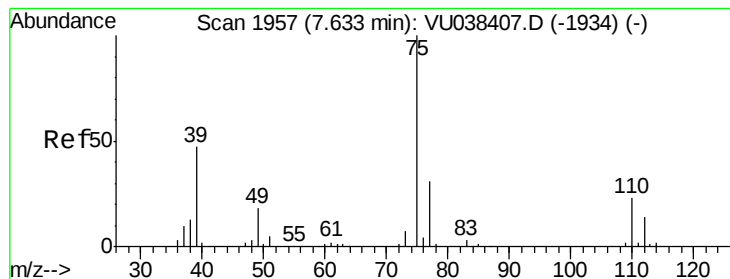
100000

0

7.10 7.20

Time-->



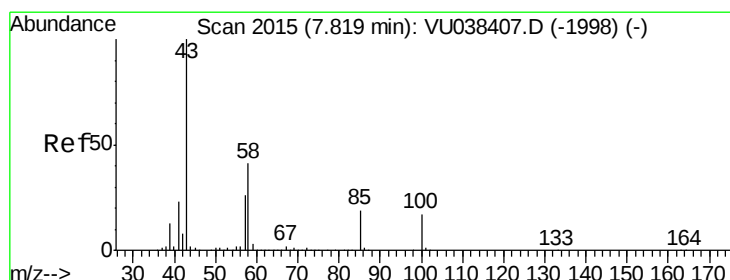
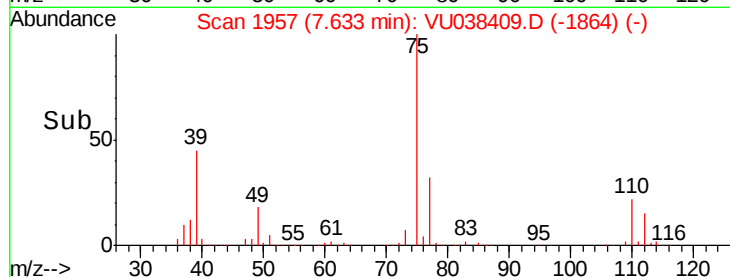
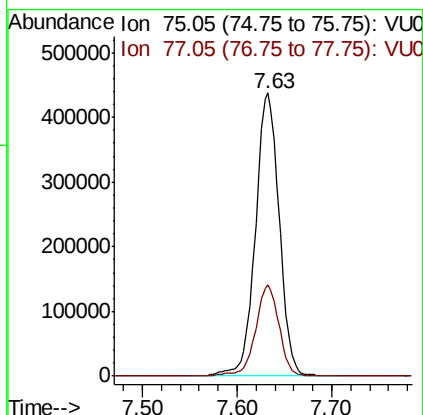
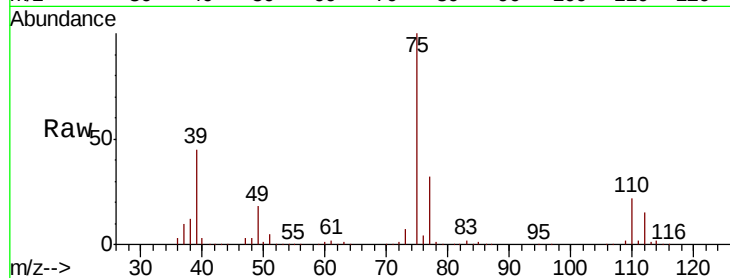


#39

cis-1,3-Dichloropropene
Concen: 21.488 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

Instrument :
MSVOA_U
ClientSampled :

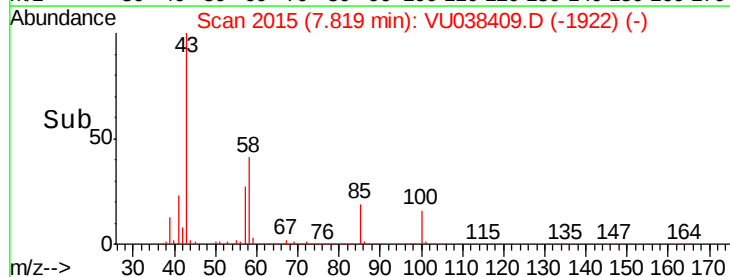
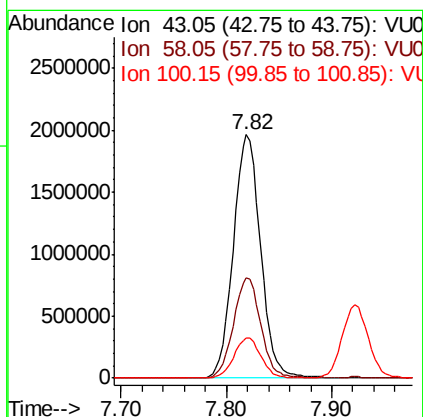
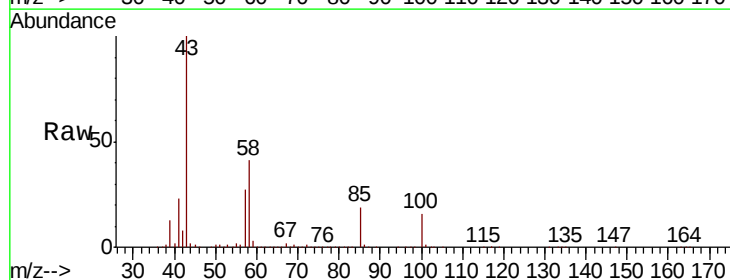
Tot Ion: 75 Resp: 764630
Ion Ratio Lower Upper
75 100
77 32.1 21.9 40.7

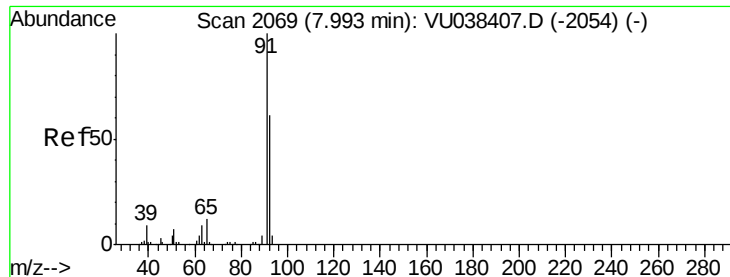


#40

4-Methyl-2-pentanone
Concen: 204.056 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

Tgt Ion: 43 Resp: 3513636
Ion Ratio Lower Upper
43 100
58 41.4 32.4 48.6
100 16.5 13.3 19.9





#42

Toluene

Concen: 20.137 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

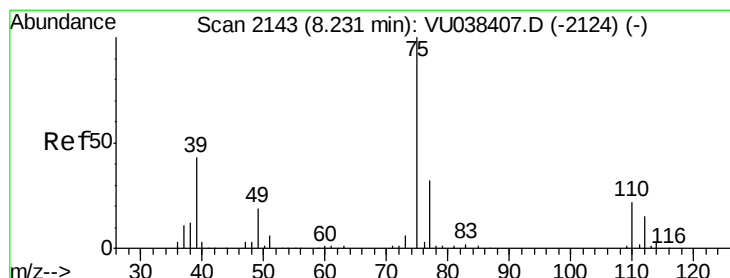
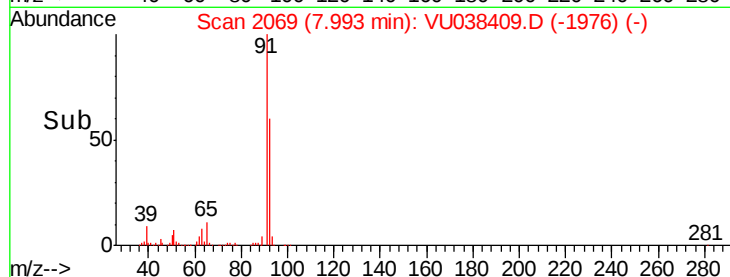
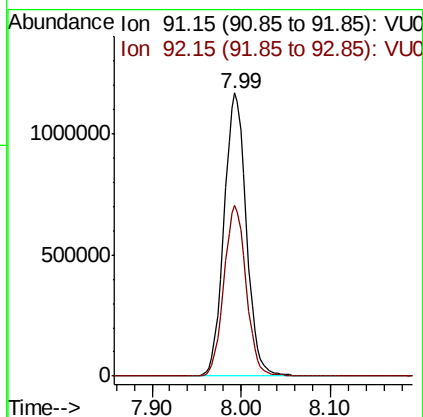
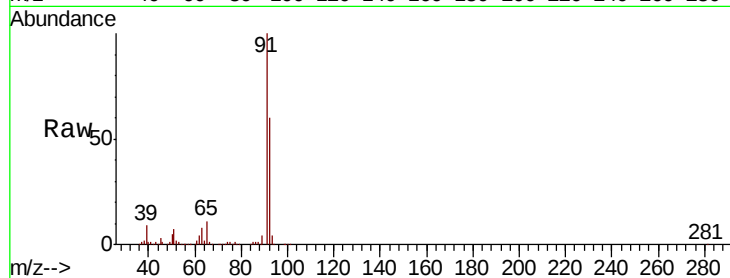
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 2020947

Ion Ratio Lower Upper

91 100

92 60.2 43.0 79.8



#44

trans-1,3-Dichloropropene

Concen: 21.403 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038409.D

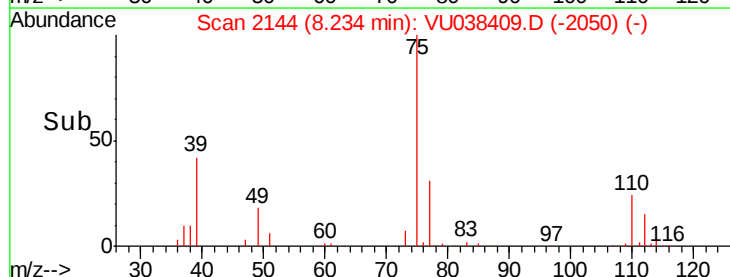
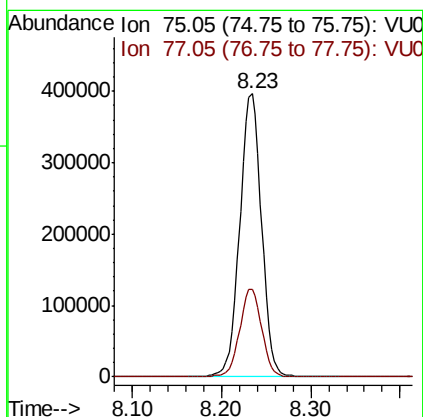
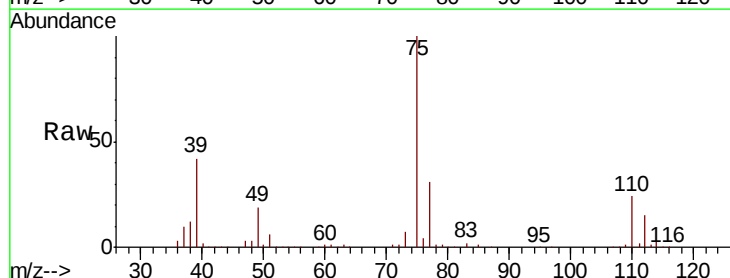
Acq: 30 May 2020 12:45

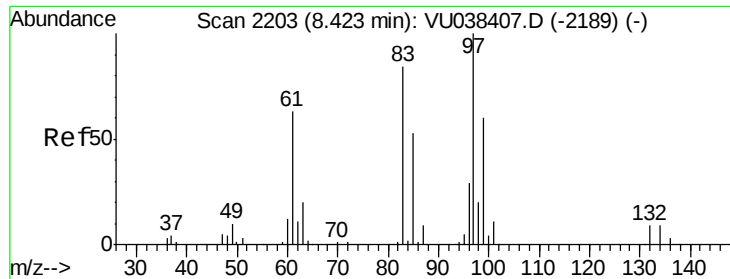
Tgt Ion: 75 Resp: 672654

Ion Ratio Lower Upper

75 100

77 31.1 22.1 41.1

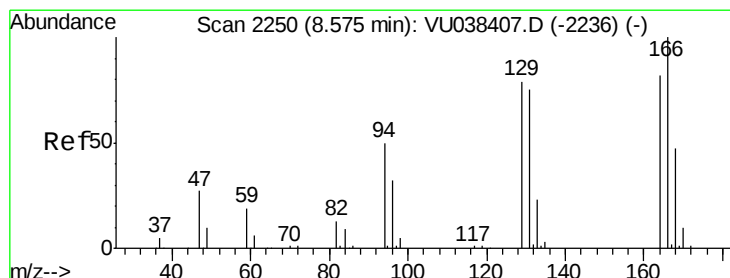
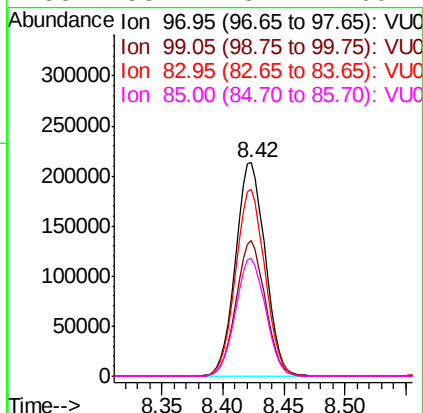
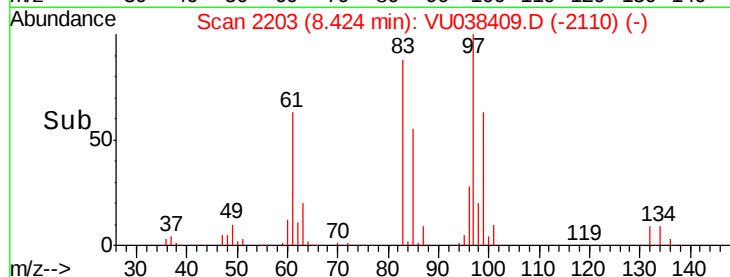
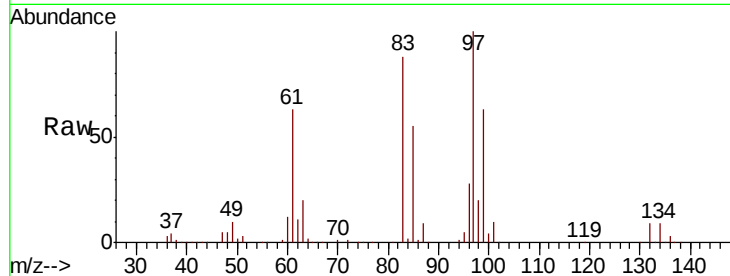




#45
1,1,2-Trichloroethane
Concen: 19.783 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

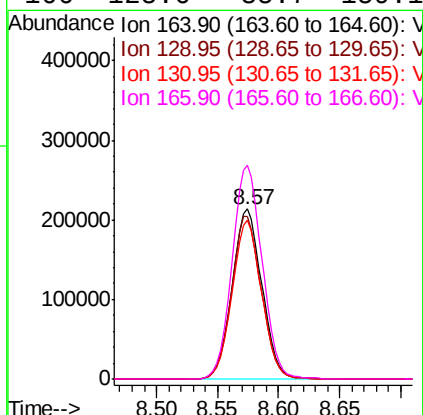
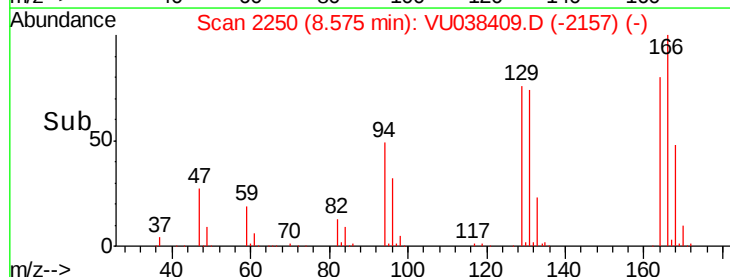
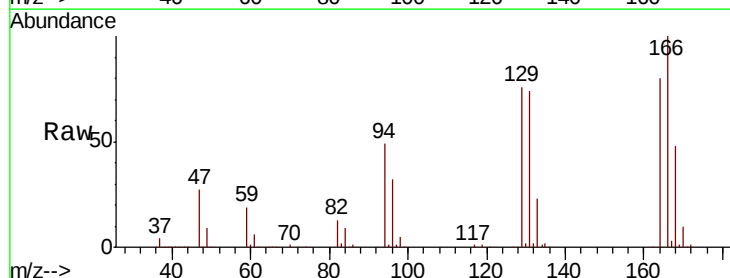
Instrument :
MSVOA_U
ClientSampleId :

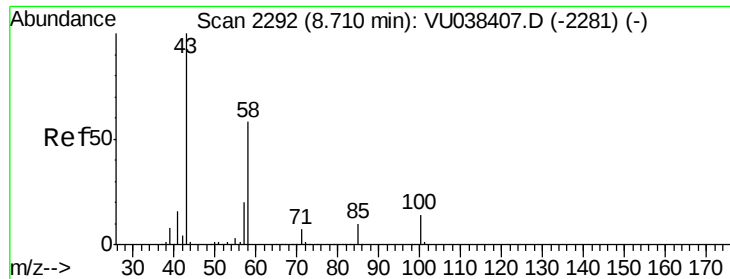
Tot Ion:	97	Resp:	359358
Ion	Ratio	Lower	Upper
97	100		
99	63.4	42.1	78.1
83	87.6	58.8	109.2
85	55.2	37.4	69.4



#47
Tetrachloroethene
Concen: 20.041 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

Tgt Ion:	164	Resp:	361611
Ion	Ratio	Lower	Upper
164	100		
129	95.7	67.4	125.2
131	93.1	64.1	119.1
166	125.6	85.7	159.1

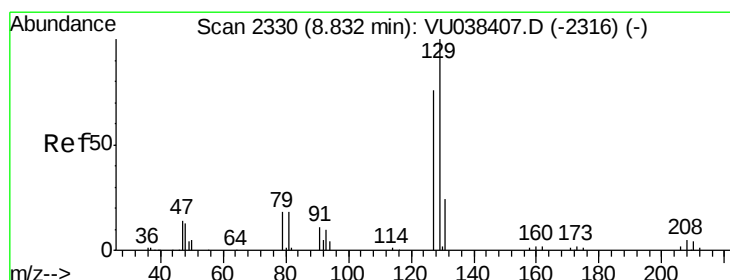
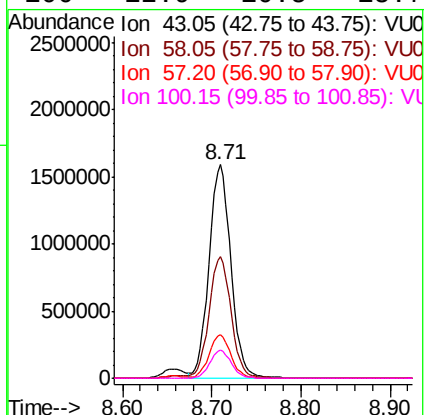
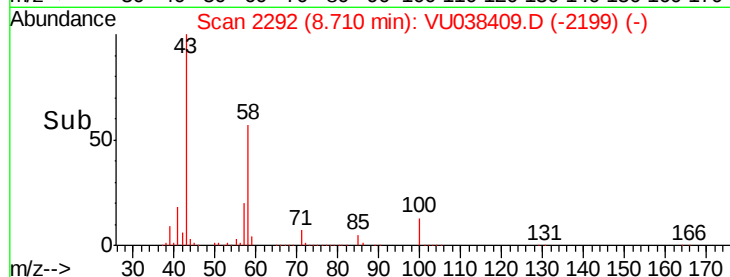
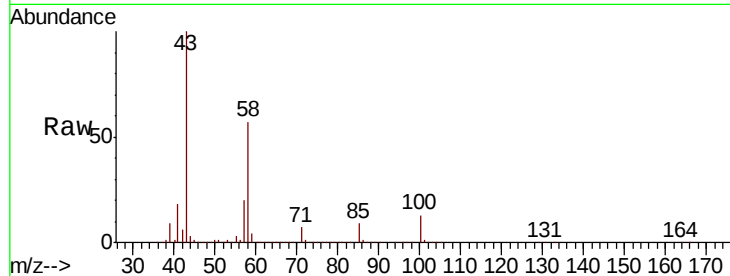




#48
2-Hexanone
Concen: 207.004 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

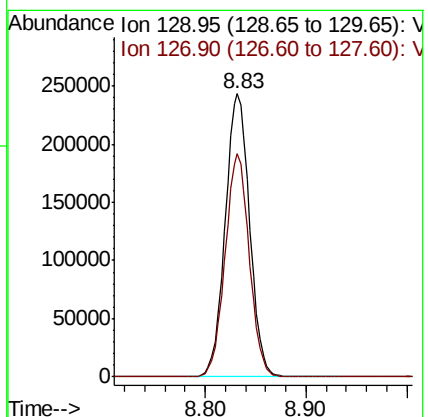
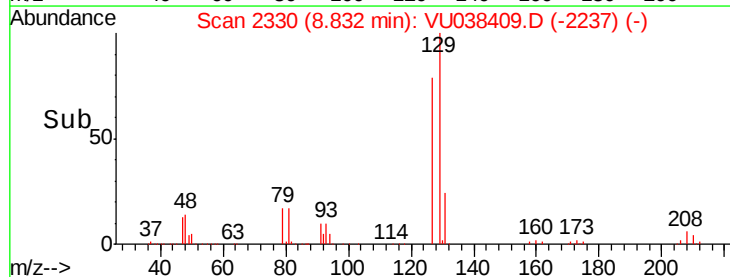
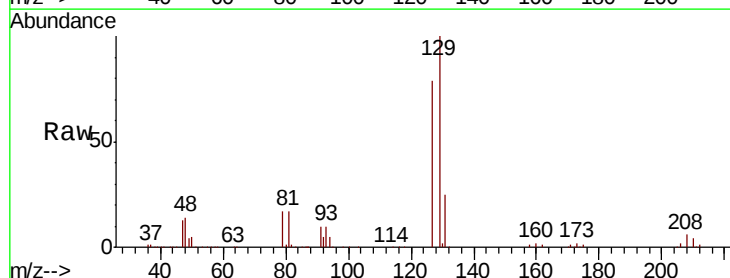
Instrument :
MSVOA_U
ClientSampleId :

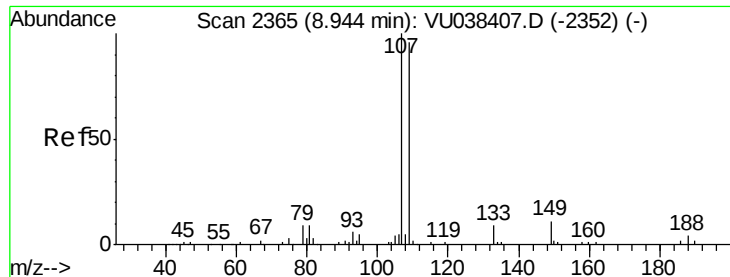
Tot Ion: 43 Resp: 2699373
Ion Ratio Lower Upper
43 100
58 57.6 45.4 68.0
57 20.2 15.9 23.9
100 12.9 10.5 15.7



#49
Dibromochloromethane
Concen: 20.961 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

Tgt Ion: 129 Resp: 410966
Ion Ratio Lower Upper
129 100
127 78.7 53.3 99.1

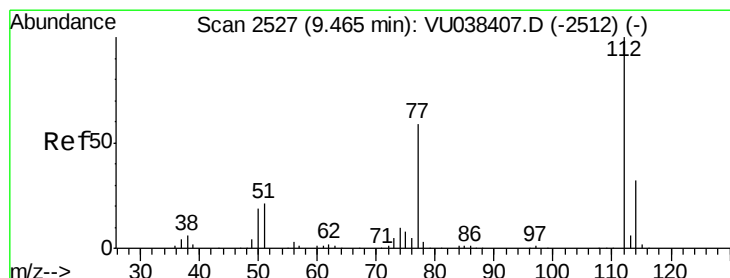
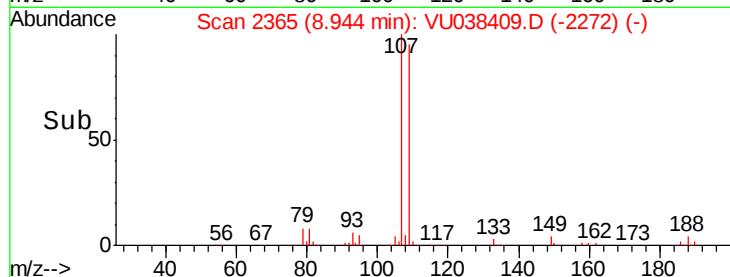
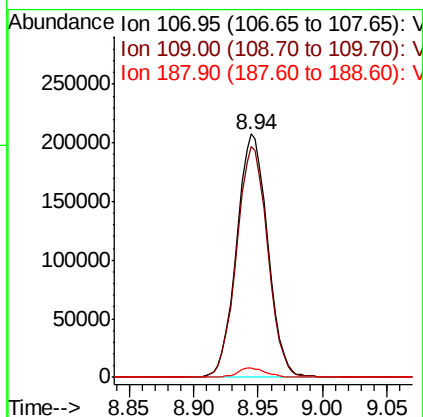
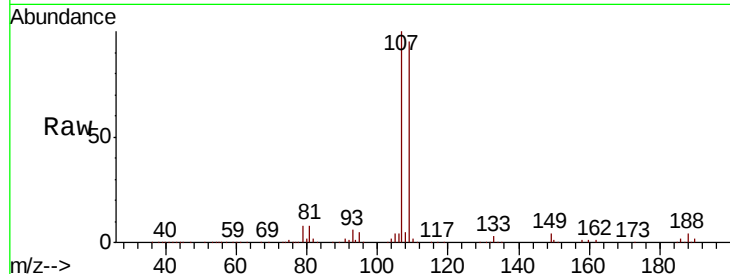




#50
 1,2-Dibromoethane
 Concen: 20.008 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU038409.D
 Acq: 30 May 2020 12:45

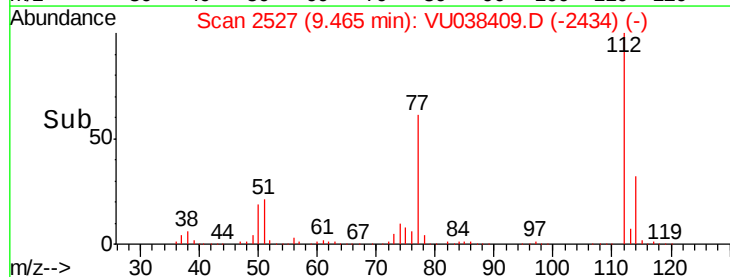
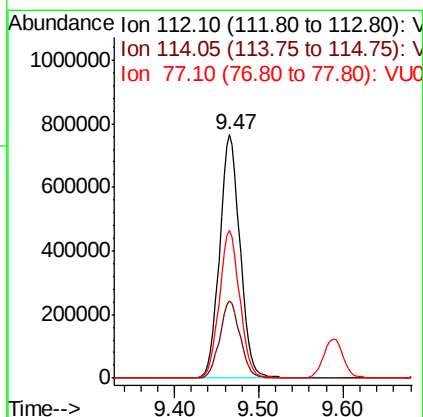
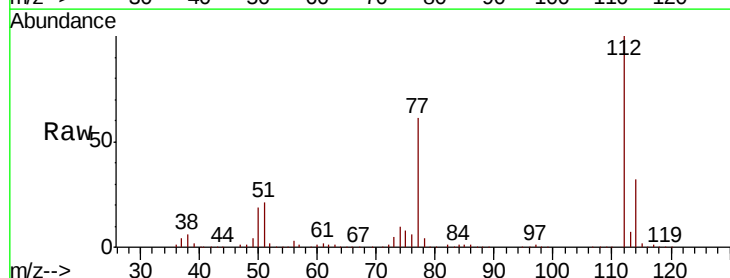
Instrument :
 MSVOA_U
 ClientSampled :

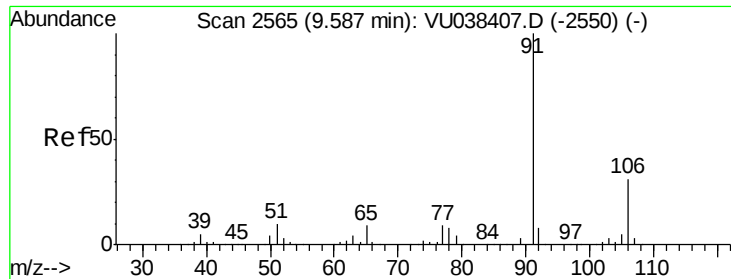
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	67.0	124.4
188	3.7	3.0	4.4



#51
 Chlorobenzene
 Concen: 19.773 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU038409.D
 Acq: 30 May 2020 12:45

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.4	41.6
77	60.6	47.1	70.7





#52

Ethylbenzene

Concen: 20.832 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Instrument :

MSVOA_U

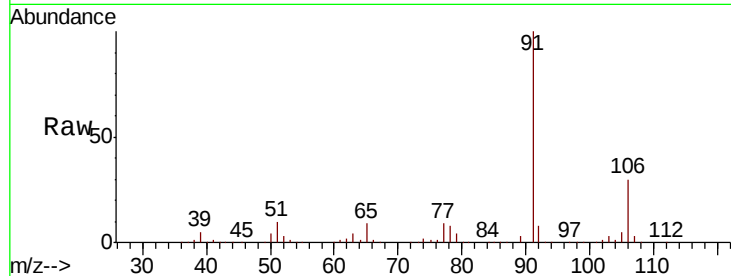
ClientSampleId :

Tot Ion: 91 Resp: 2326014

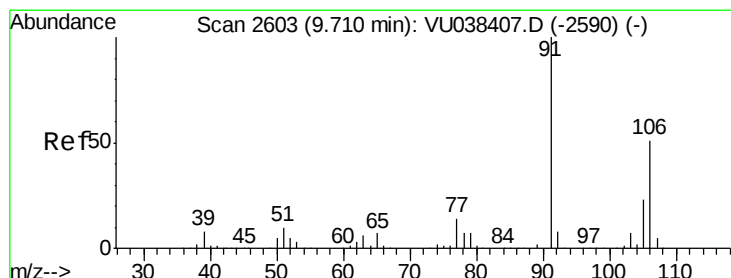
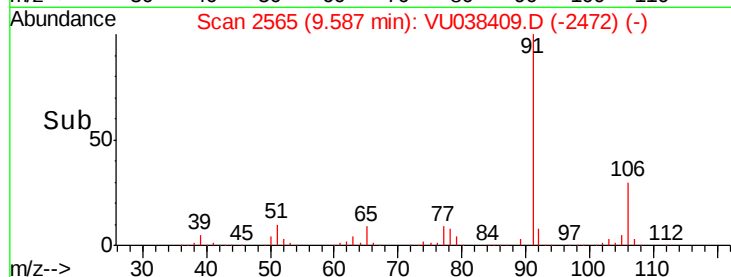
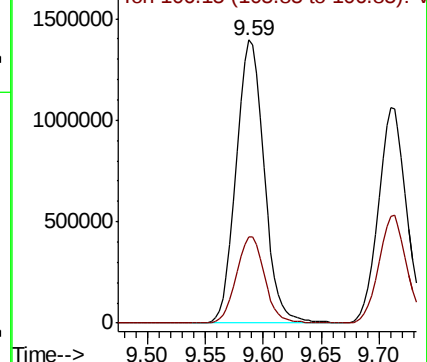
Ion Ratio Lower Upper

91 100

106 30.3 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038409.D (-2550) (-)



#53

m,p-Xylene

Concen: 21.004 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038409.D

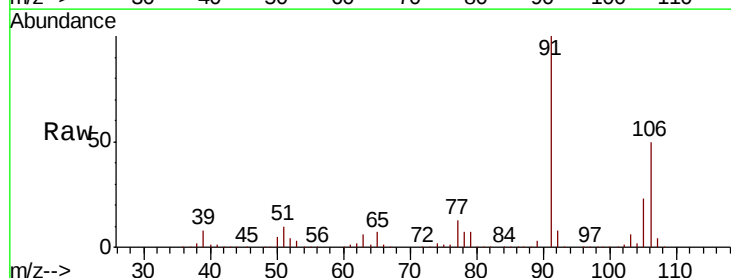
Acq: 30 May 2020 12:45

Tgt Ion: 106 Resp: 901950

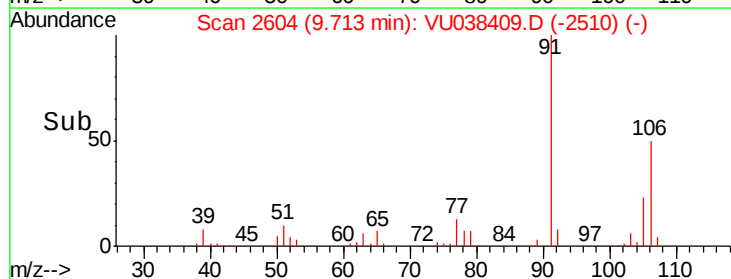
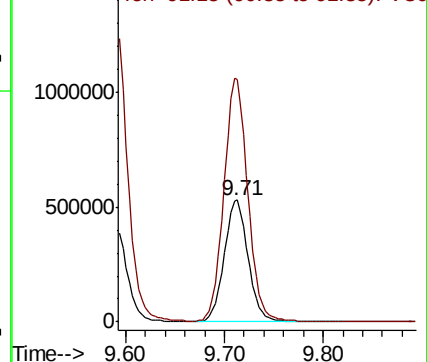
Ion Ratio Lower Upper

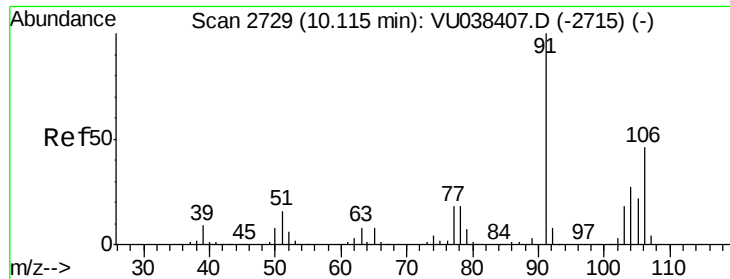
106 100

91 199.3 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038409.D (-2590) (-)

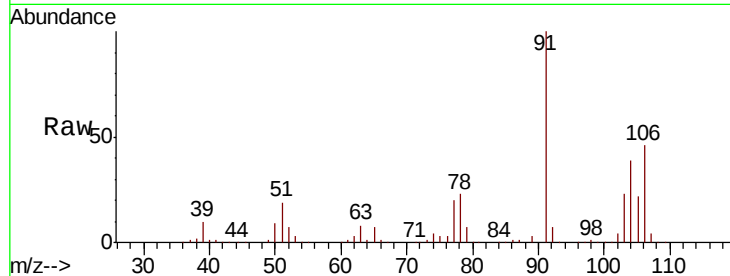




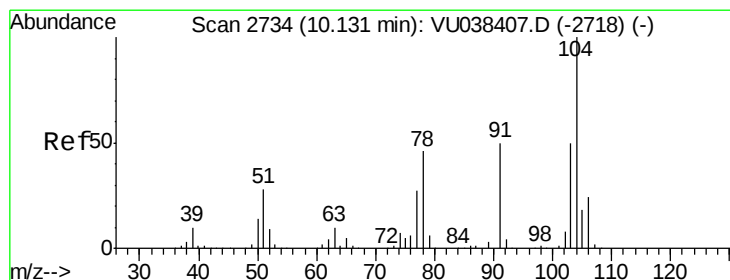
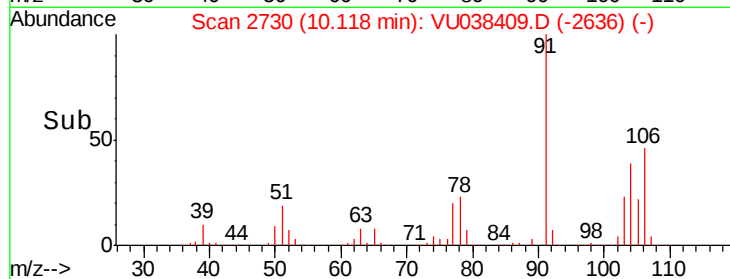
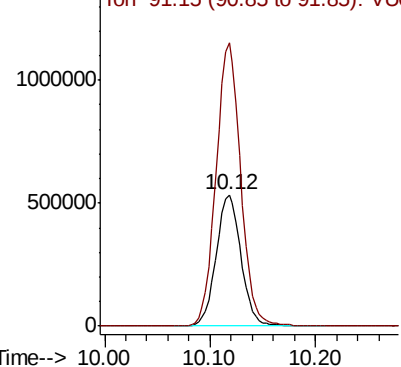
#54
o-Xylene
Concen: 21.019 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 866444
Ion Ratio Lower Upper
106 100
91 215.6 150.6 279.8

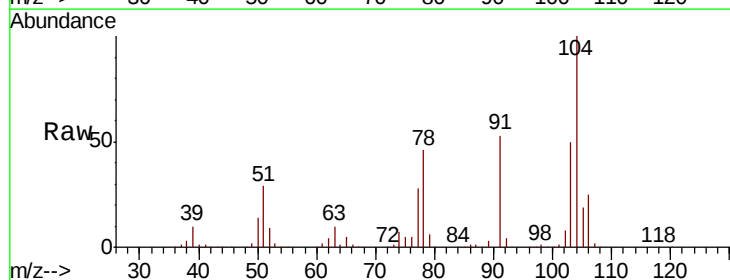


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

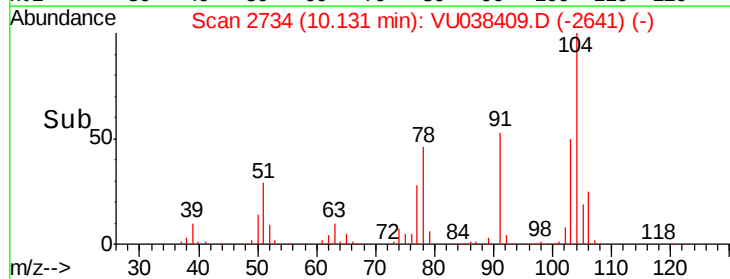
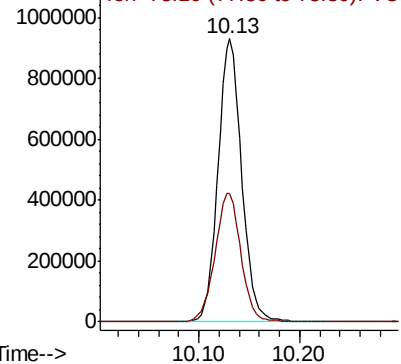


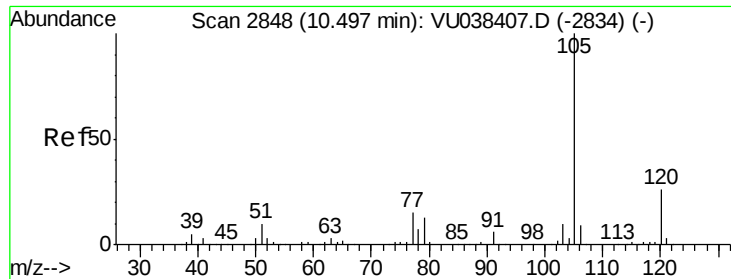
#55
Styrene
Concen: 21.708 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038409.D
Acq: 30 May 2020 12:45

Tgt Ion:104 Resp: 1518956
Ion Ratio Lower Upper
104 100
78 45.5 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: 21.218 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Instrument :

MSVOA_U

ClientSampleId :

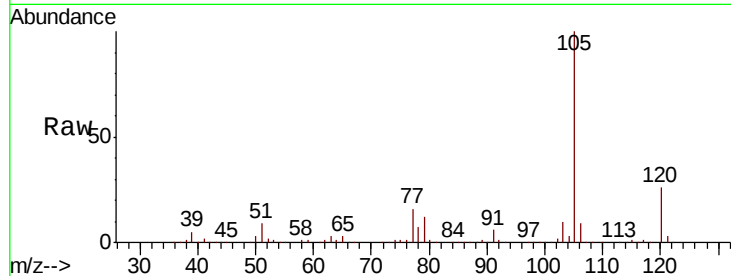
Tot Ion:105 Resp: 2302044

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

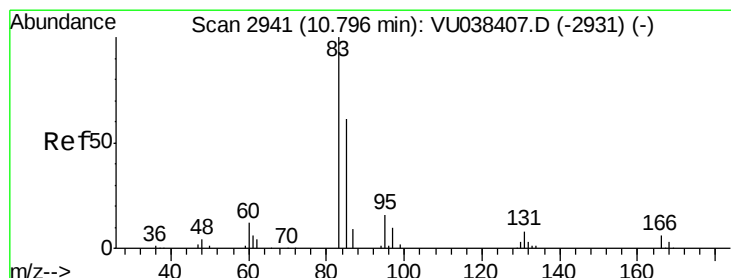
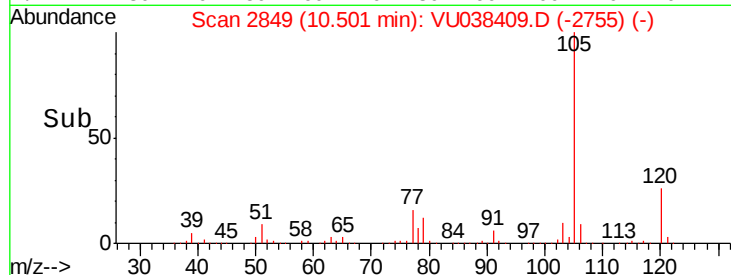
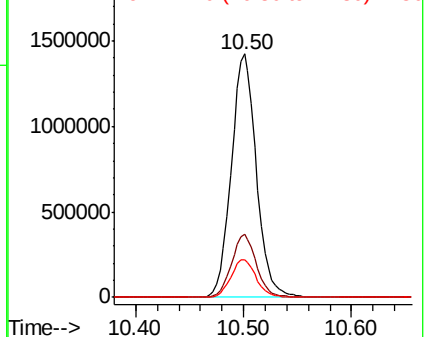
77 15.5 12.5 18.7



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: 20.347 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

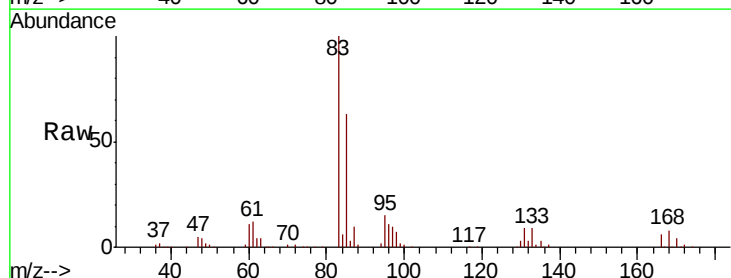
Tgt Ion: 83 Resp: 469694

Ion Ratio Lower Upper

83 100

85 63.0 44.2 82.0

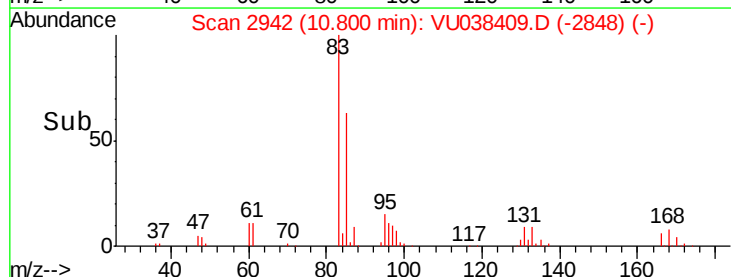
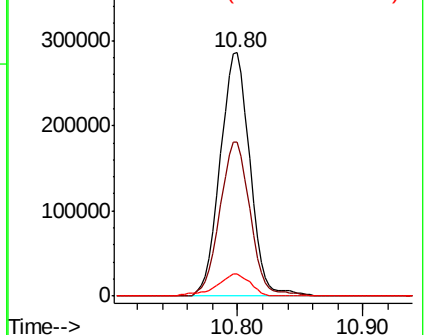
131 9.0 8.1 12.1

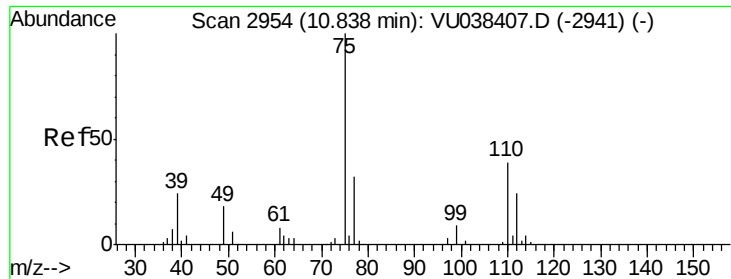


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 19.858 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Instrument :

MSVOA_U

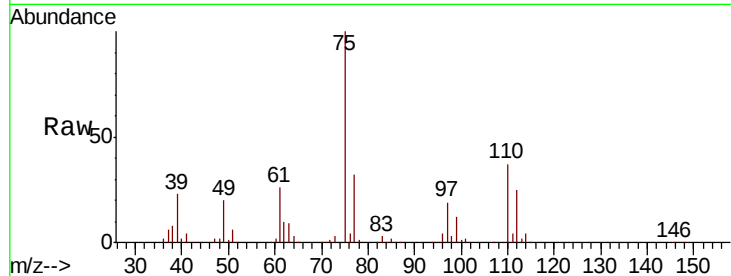
ClientSampleId :

Tot Ion: 75 Resp: 356871

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU038407.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038407.D (-2941) (-)

10.84

250000

200000

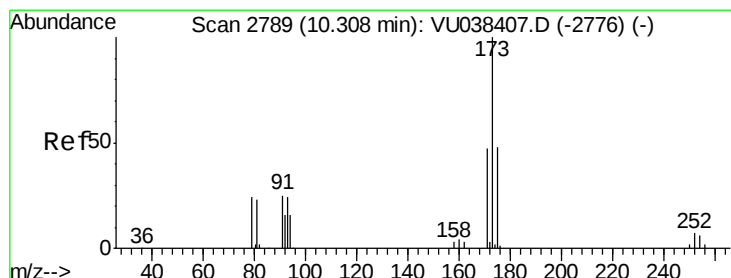
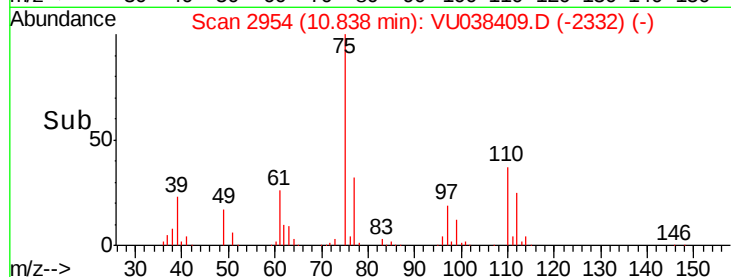
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 21.526 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

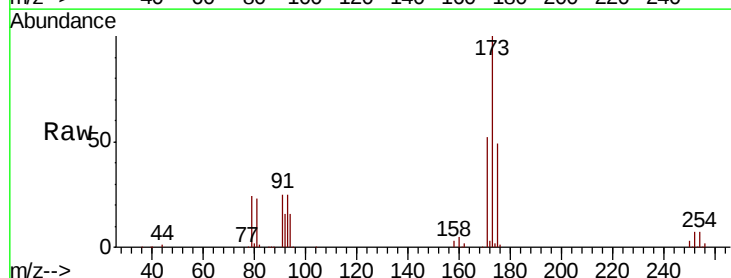
Tgt Ion: 173 Resp: 238641

Ion Ratio Lower Upper

173 100

175 48.2 38.7 58.1

254 6.8 5.4 8.2



Abundance Ion 172.90 (172.60 to 173.60): VU038407.D (-2776) (-)

Ion 174.90 (174.60 to 175.60): VU038407.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU038407.D (-2776) (-)

10.31

200000

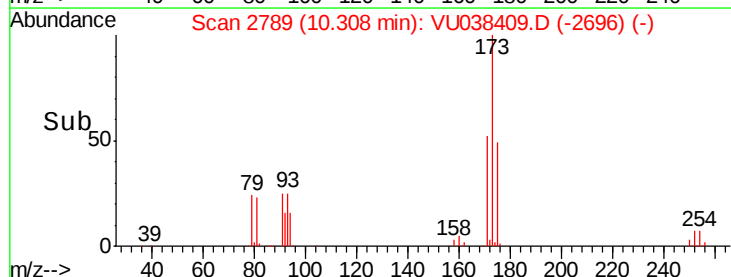
150000

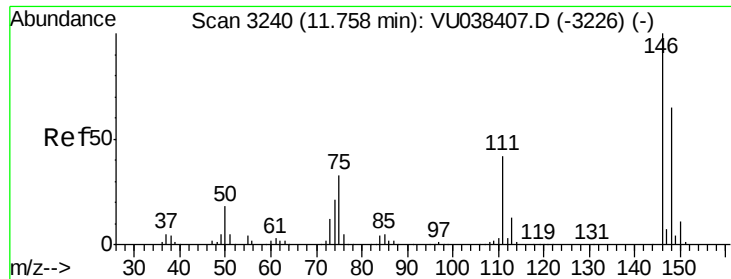
100000

50000

0

Time-->

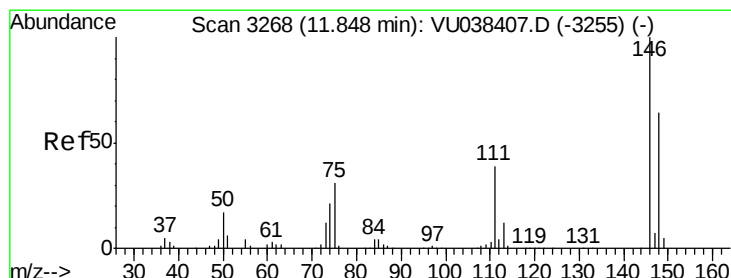
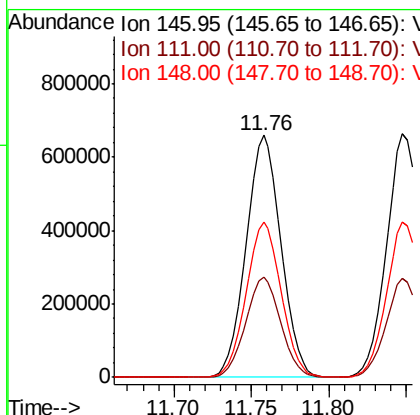
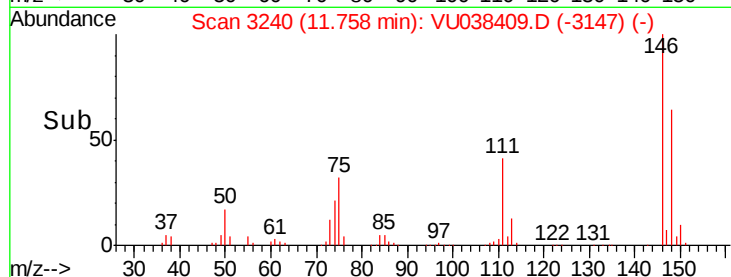
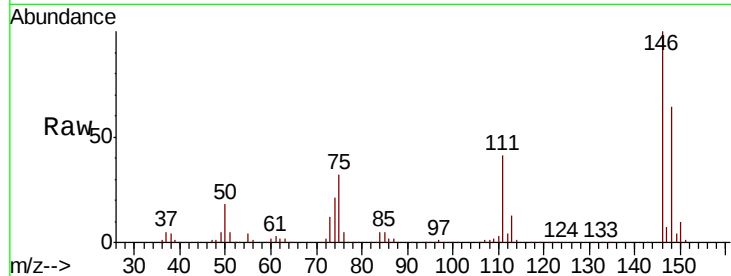




#62
 1,3-Dichlorobenzene
 Concen: 19.832 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038409.D
 Acq: 30 May 2020 12:45

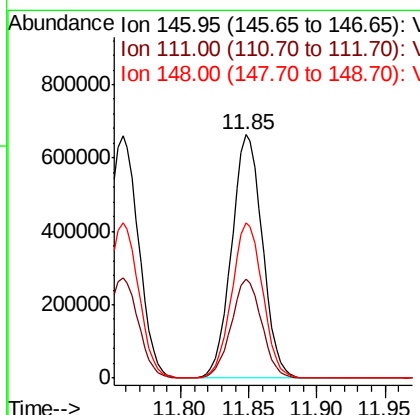
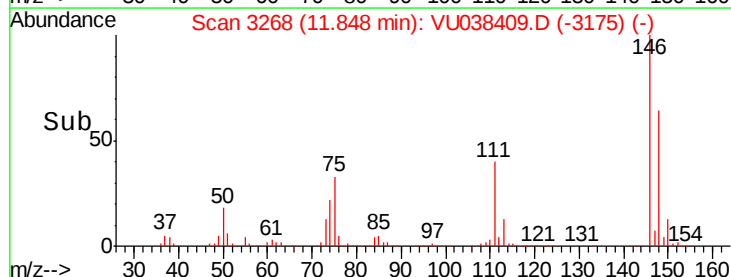
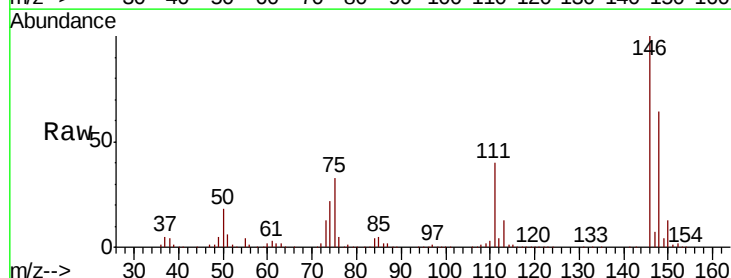
Instrument :
 MSVOA_U
 ClientSampleId :

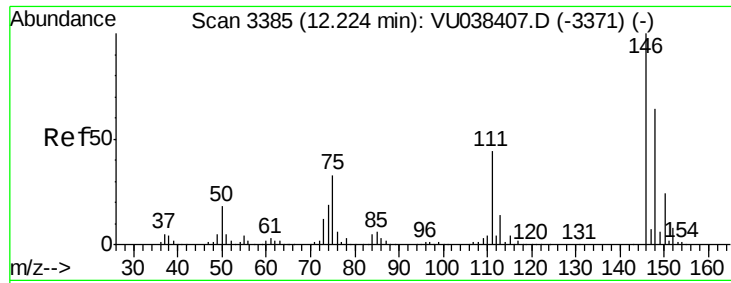
Tot Ion:146 Resp: 1036945
 Ion Ratio Lower Upper
 146 100
 111 41.5 29.5 54.9
 148 64.4 45.6 84.6



#63
 1,4-Dichlorobenzene
 Concen: 19.580 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038409.D
 Acq: 30 May 2020 12:45

Tgt Ion:146 Resp: 1038184
 Ion Ratio Lower Upper
 146 100
 111 40.5 27.6 51.2
 148 64.0 44.8 83.2





#65

1,2-Dichlorobenzene

Concen: 19.740 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Instrument :

MSVOA_U

ClientSampleId :

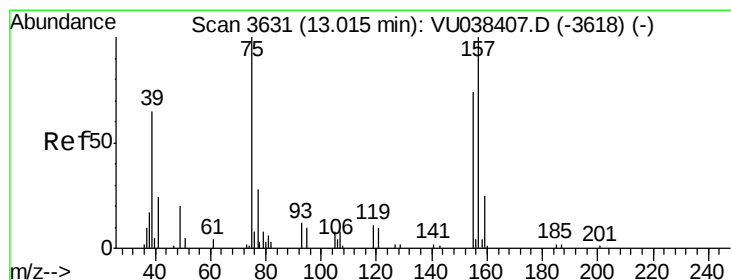
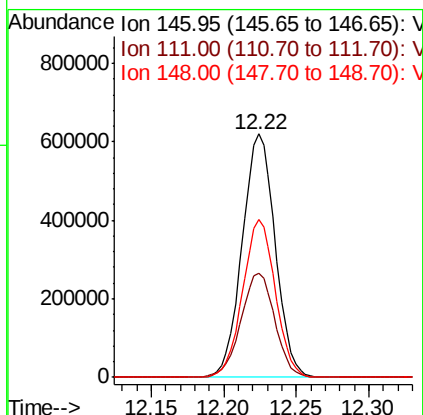
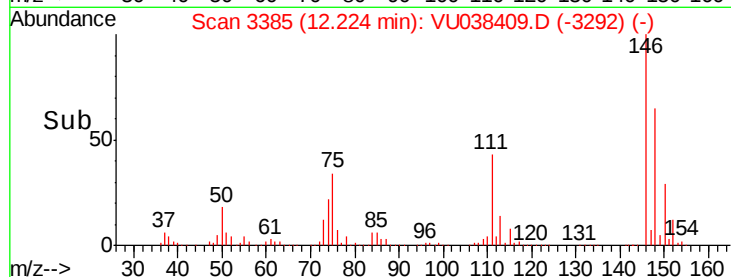
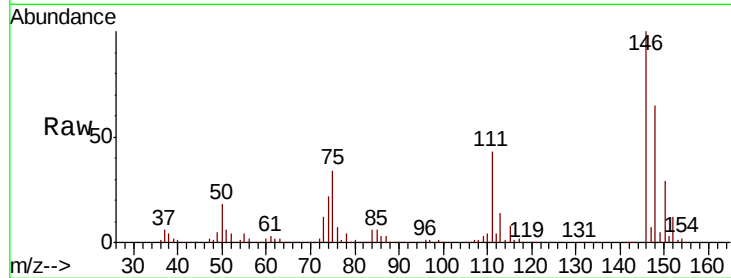
Tot Ion:146 Resp: 980075

Ion Ratio Lower Upper

146 100

111 43.0 35.1 52.7

148 64.6 50.9 76.3



#66

1,2-Dibromo-3-chloropropane

Concen: 20.196 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

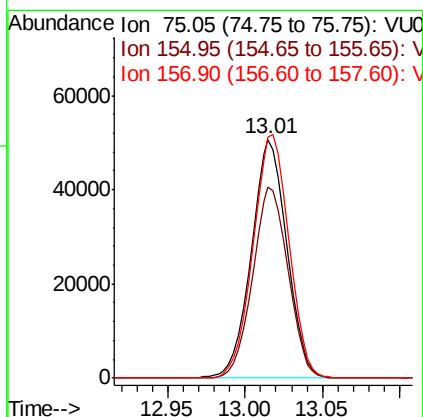
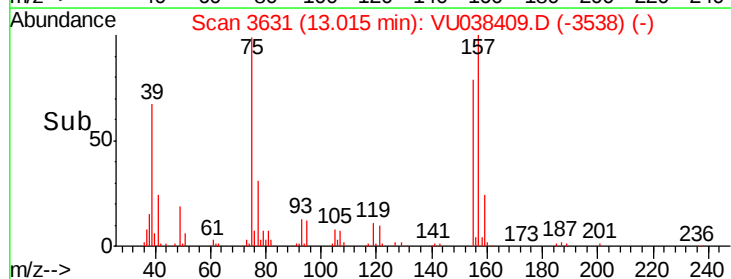
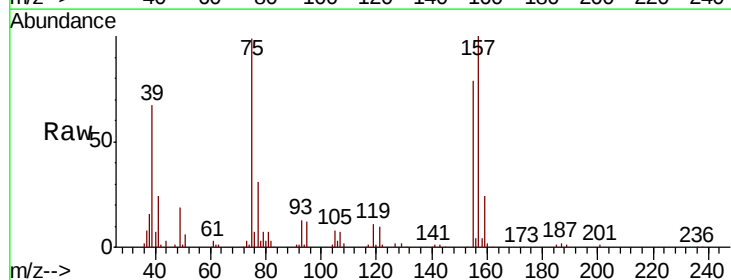
Tgt Ion: 75 Resp: 81183

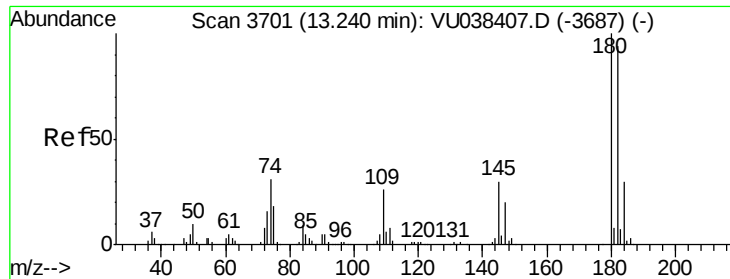
Ion Ratio Lower Upper

75 100

155 79.9 59.6 89.4

157 101.0 79.8 119.6

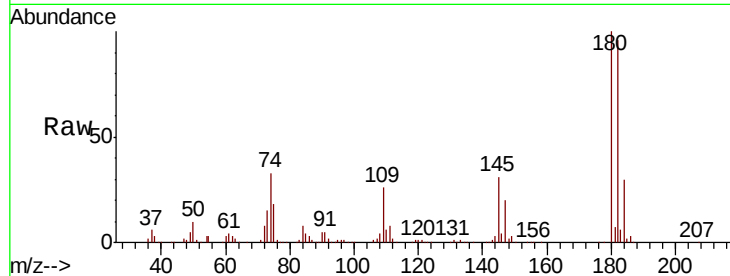




#67
 1,3,5-Trichlorobenzene
 Concen: 20.263 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU038409.D
 Acq: 30 May 2020 12:45

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	790441
Ion Ratio	Lower	Upper
180	100	
182	95.7	76.8 115.2
184	30.4	25.1 37.7
145	30.7	24.6 37.0



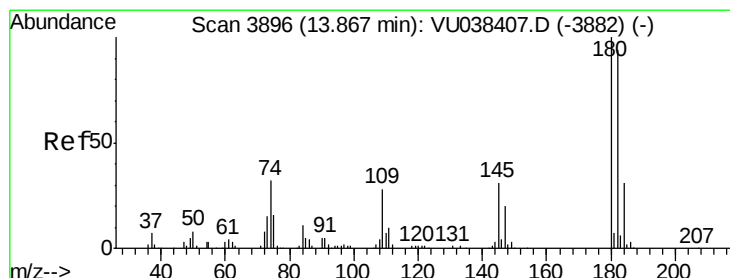
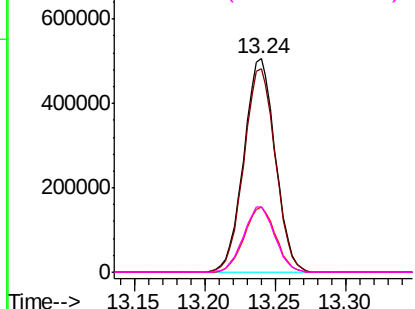
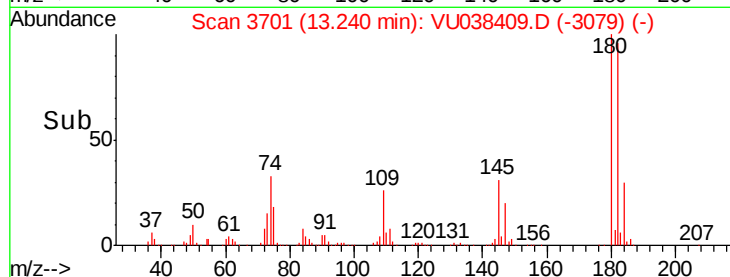
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

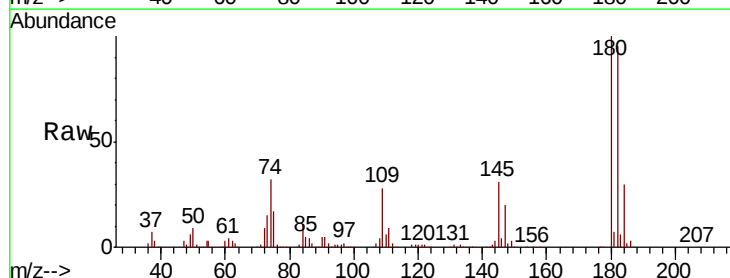
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 20.648 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038409.D
 Acq: 30 May 2020 12:45

Tgt Ion:180	Resp:	745543
Ion Ratio	Lower	Upper
180	100	
182	95.4	75.8 113.8
145	31.6	25.3 37.9

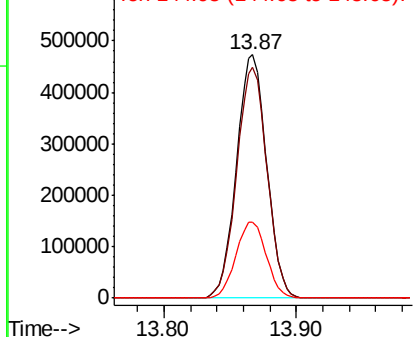
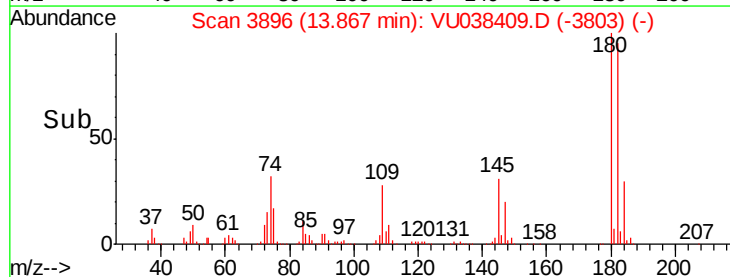


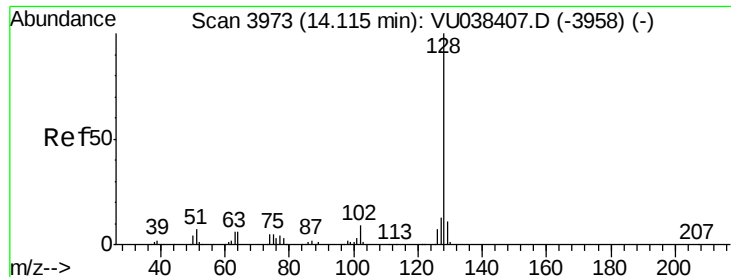
Abundance

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: 21.777 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

Instrument :

MSVOA_U

ClientSampled :

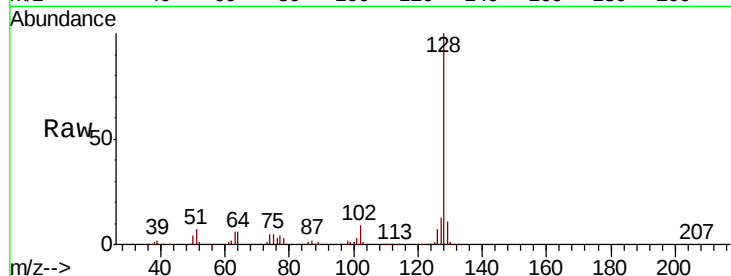
Tot Ion:128 Resp: 1564804

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

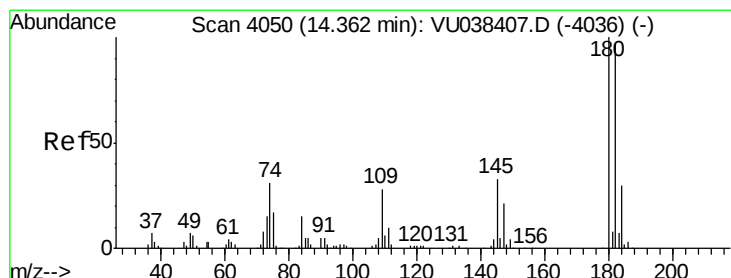
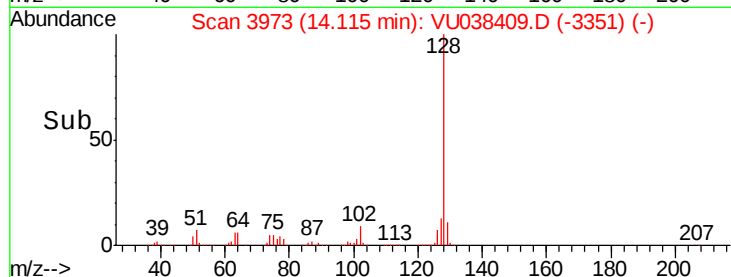
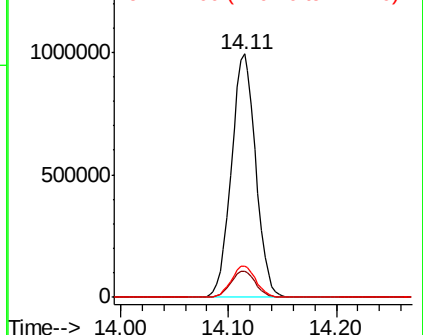
127 13.1 10.2 15.4



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: 20.525 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU038409.D

Acq: 30 May 2020 12:45

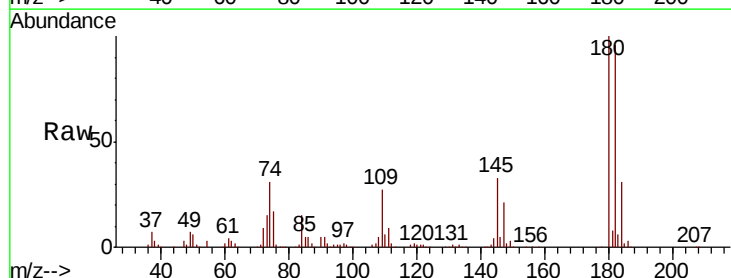
Tgt Ion:180 Resp: 674330

Ion Ratio Lower Upper

180 100

182 96.0 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

