

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
 Data File : VU038669.D
 Acq On : 08 Jun 2020 14:42
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 09 00:48:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 09 00:46:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	347510	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	341342	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	176574	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	116237	5.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.40%
7) Chloroethane-d5	1.93	69	92405	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.59	63	220123	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	4.68	46	398665	58.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.70%
24) Chloroform-d	5.10	84	225386	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.74	65	127960	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	5.76	84	455012	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.72	67	135653	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.92	98	405664	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	8.20	79	60022	5.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.60%
46) 2-Hexanone-d5	8.65	63	339861	61.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.14%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	122663	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	159778	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	107065	3.909	ug/L 100
3) Chloromethane	1.53	50	92296	3.669	ug/L 100
5) Vinyl chloride	1.62	62	99965	3.709	ug/L 99
6) Bromomethane	1.87	94	58355	4.460	ug/L 99
8) Chloroethane	1.95	64	64106	3.970	ug/L 98
9) Trichlorofluoromethane	2.16	101	156891	4.388	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	94094	4.469	ug/L 97
12) 1,1-Dichloroethene	2.61	96	88599	4.140	ug/L 97
13) Acetone	2.68	43	200779	44.903	ug/L 98
14) Carbon disulfide	2.82	76	243373	3.351	ug/L 99
15) Methyl Acetate	2.99	43	48812	4.456	ug/L 99
16) Methylene chloride	3.08	84	101442	4.189	ug/L 100
17) Methyl tert-butyl Ether	3.40	73	255311	4.550	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	93656	4.061	ug/L 96
19) 1,1-Dichloroethane	3.91	63	183616	4.448	ug/L 98
21) 2-Butanone	4.76	43	344482	45.804	ug/L 94
22) cis-1,2-Dichloroethene	4.71	96	105870	4.263	ug/L 95

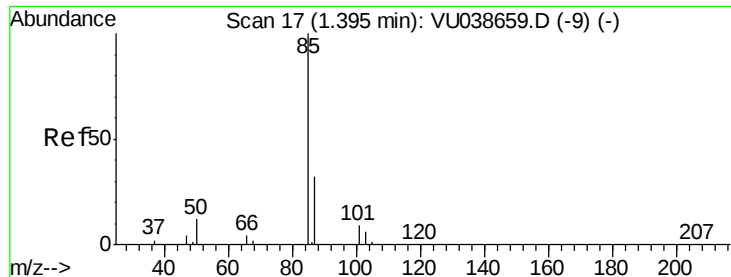
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
 Data File : VU038669.D
 Acq On : 08 Jun 2020 14:42
 Operator : SY/MD
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 09 00:46:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	47849	4.281	ug/L	94
25) Chloroform	5.13	83	188446	4.494	ug/L	99
27) 1,2-Dichloroethane	5.83	62	132365	4.484	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	163649	4.531	ug/L	99
30) Cyclohexane	5.42	56	151758	4.007	ug/L	100
31) Carbon tetrachloride	5.56	117	136719	4.547	ug/L	100
33) Benzene	5.81	78	406808	4.274	ug/L	100
34) Trichloroethene	6.57	95	104856	4.244	ug/L	96
35) Methylcyclohexane	6.79	83	149078	3.898	ug/L	98
37) 1,2-Dichloropropane	6.82	63	106034	4.427	ug/L	99
38) Bromodichloromethane	7.13	83	136148	4.577	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	157592	4.452	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	769596	44.928	ug/L	99
42) Toluene	7.99	91	436289	4.370	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	139829	4.473	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	82880	4.587	ug/L	97
47) Tetrachloroethene	8.57	164	76926	4.286	ug/L	98
48) 2-Hexanone	8.71	43	588336	45.353	ug/L	100
49) Dibromochloromethane	8.83	129	92067	4.720	ug/L	100
50) 1,2-Dibromoethane	8.94	107	76201	4.404	ug/L	98
51) Chlorobenzene	9.47	112	284097	4.412	ug/L	99
52) Ethylbenzene	9.59	91	480146	4.323	ug/L	100
53) m,p-Xylene	9.71	106	188396	4.410	ug/L	99
54) o-Xylene	10.12	106	179657	4.381	ug/L	99
55) Styrene	10.13	104	317298	4.558	ug/L	96
56) Isopropylbenzene	10.50	105	485288	4.496	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	103655	4.514	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	80830	4.521	ug/L	100
61) Bromoform	10.31	173	51004	4.637	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	229253	4.419	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	229592	4.364	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	219587	4.457	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	18152	4.551	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	170407	4.403	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	153832	4.294	ug/L	99
69) Naphthalene	14.11	128	301810	4.233	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	144844	4.443	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 3.909 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

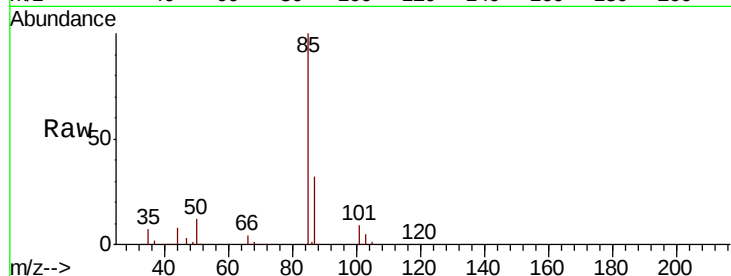
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 107065

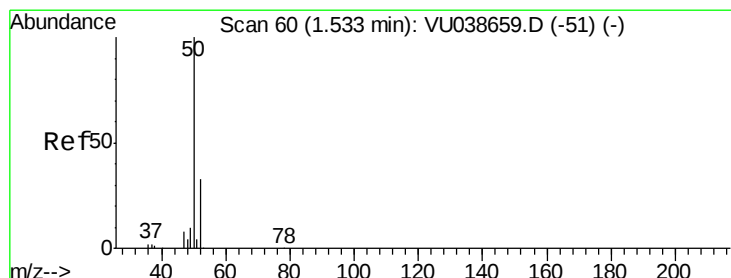
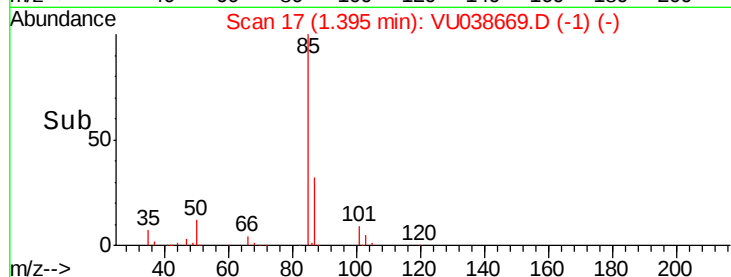
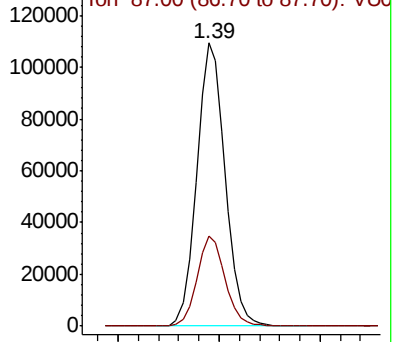
Ion Ratio Lower Upper

85 100

87 31.4 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038659.D (-9) (-)



#3

Chloromethane

Concen: 3.669 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038669.D

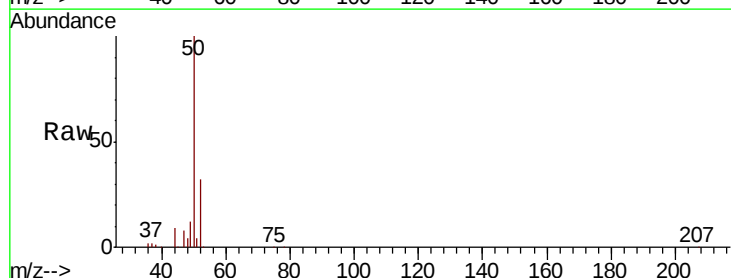
Acq: 08 Jun 2020 14:42

Tgt Ion: 50 Resp: 92296

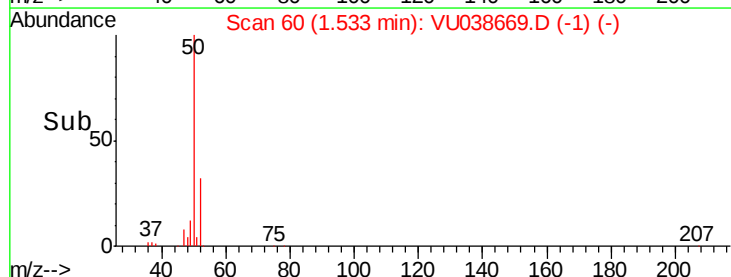
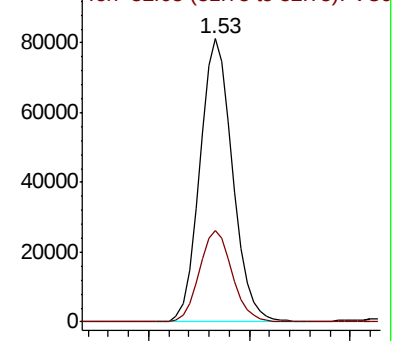
Ion Ratio Lower Upper

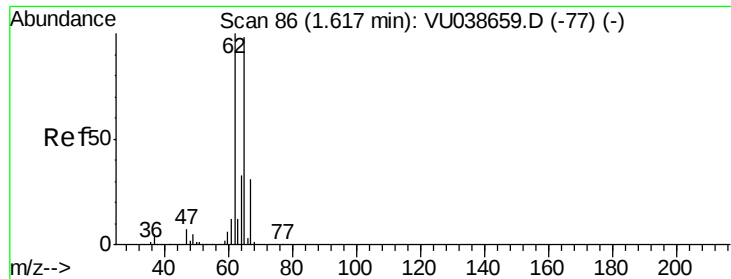
50 100

52 32.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038659.D (-51) (-)





#5

Vinyl chloride

Concen: 3.709 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

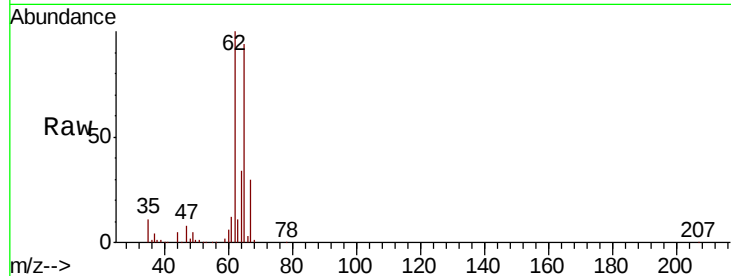
ClientSampleId :

Tot Ion: 62 Resp: 99965

Ion Ratio Lower Upper

62 100

64 34.4 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

100000

80000

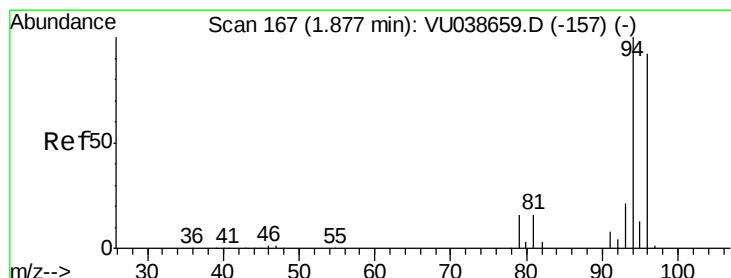
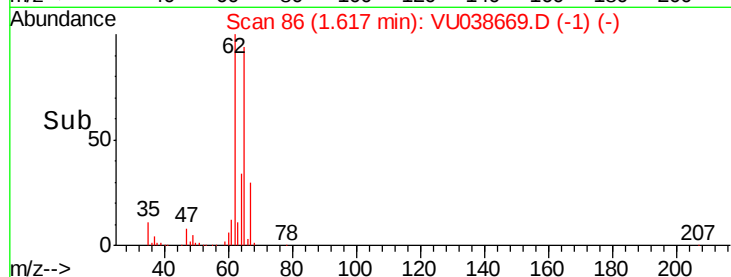
60000

40000

20000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 4.460 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038669.D

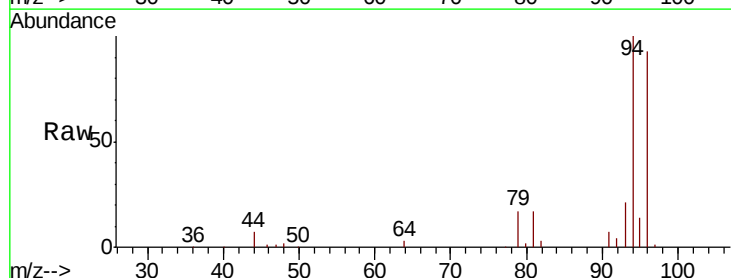
Acq: 08 Jun 2020 14:42

Tgt Ion: 94 Resp: 58355

Ion Ratio Lower Upper

94 100

96 92.9 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

50000

40000

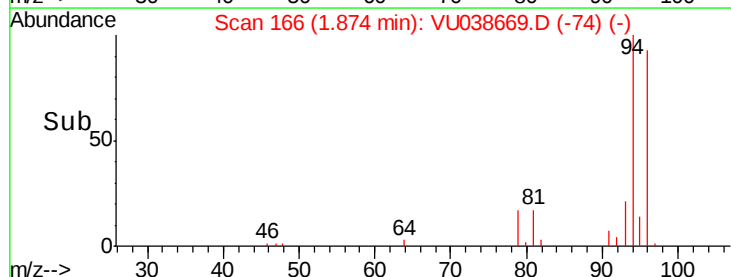
30000

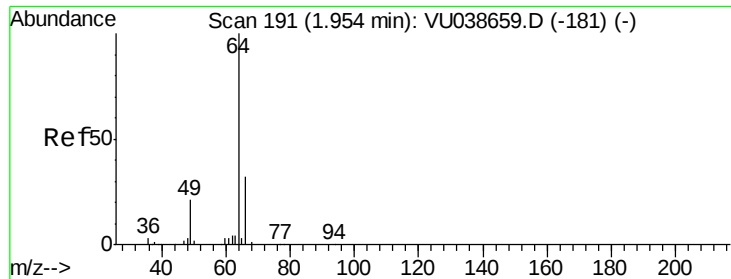
20000

10000

0

Time--> 1.85 1.90





#8

Chloroethane

Concen: 3.970 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

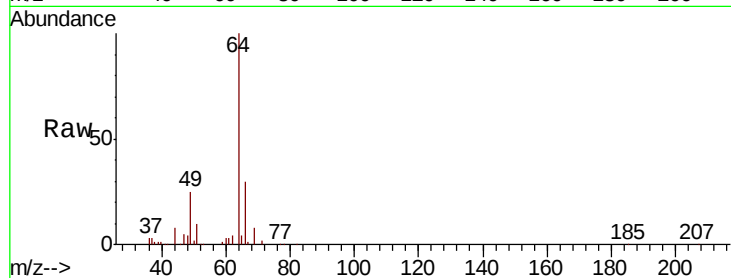
ClientSampleId :

Tot Ion: 64 Resp: 64106

Ion Ratio Lower Upper

64 100

66 29.8 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VU038659.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU038659.D (-181) (-)

1.95

50000

40000

30000

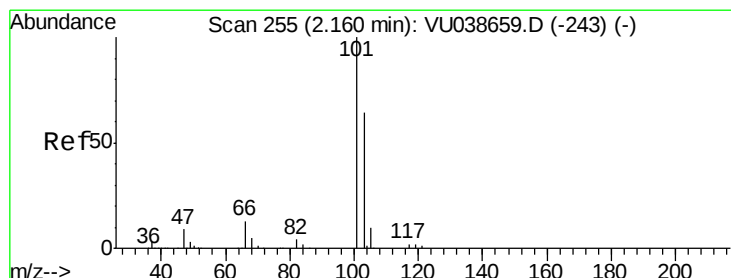
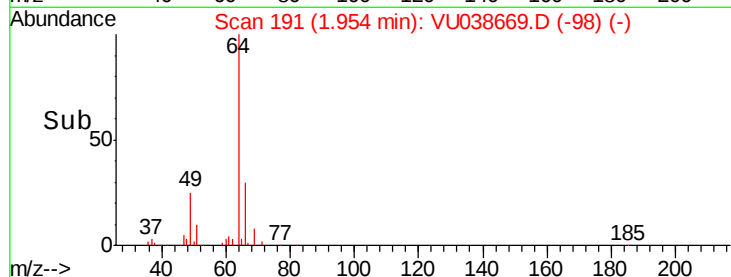
20000

10000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 4.388 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038669.D

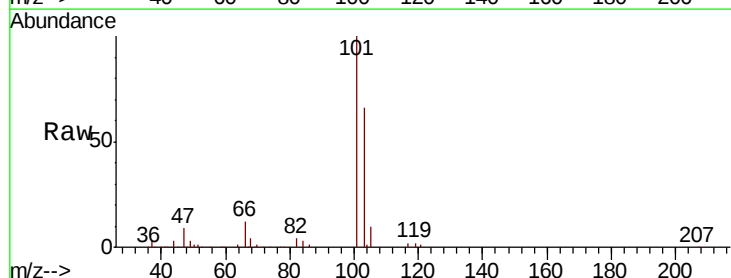
Acq: 08 Jun 2020 14:42

Tgt Ion:101 Resp: 156891

Ion Ratio Lower Upper

101 100

103 64.2 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038659.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU038659.D (-243) (-)

2.16

120000

100000

80000

60000

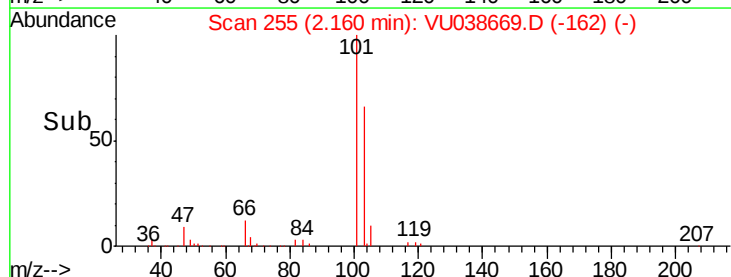
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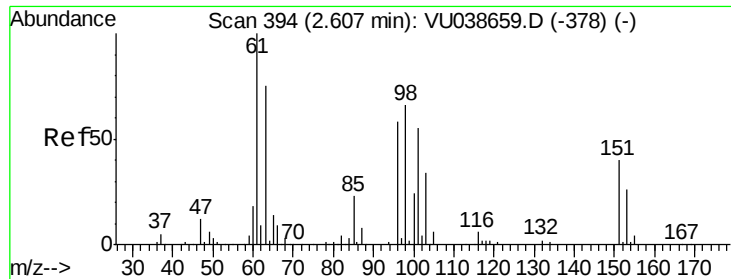
20000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 4.469 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

ClientSampled :

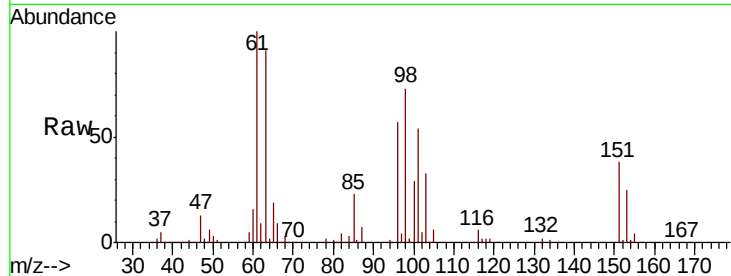
Tot Ion:101 Resp: 94094

Ion Ratio Lower Upper

101 100

85 44.2 34.0 51.0

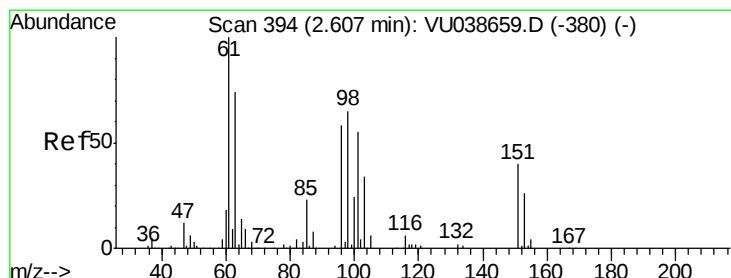
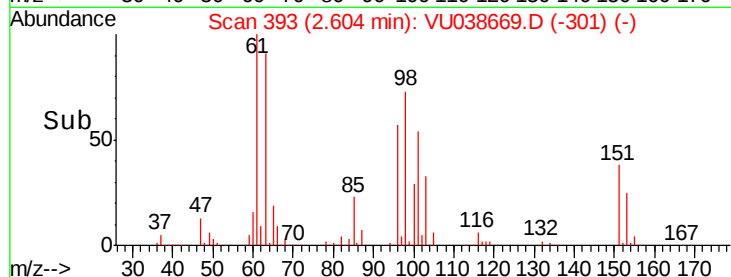
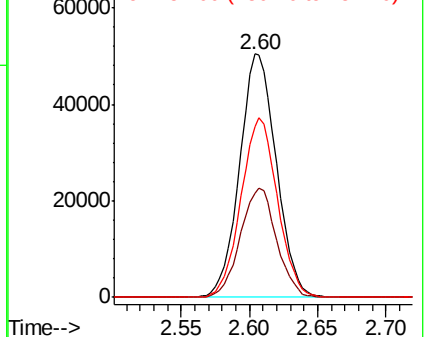
151 73.3 56.9 85.3



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: 4.140 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

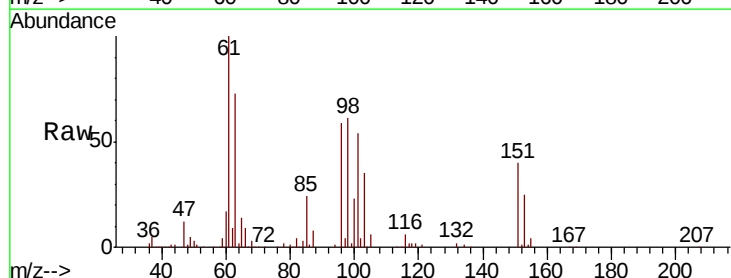
Tgt Ion: 96 Resp: 88599

Ion Ratio Lower Upper

96 100

61 169.3 119.9 222.7

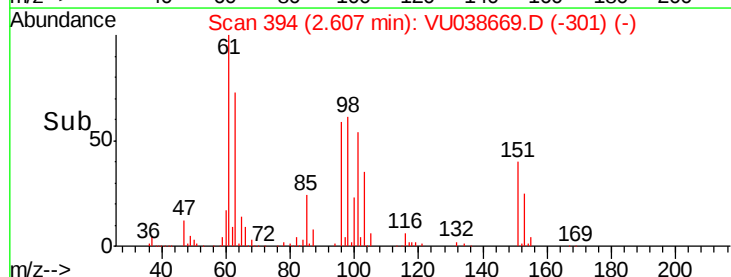
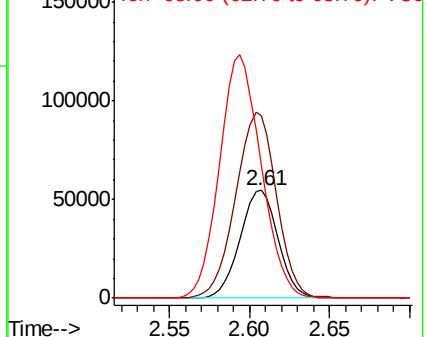
63 123.0 89.9 167.0

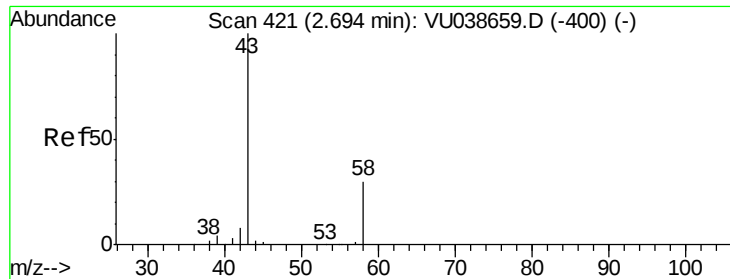


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.903 ug/L

RT: 2.68 min Scan# 418

Delta R.T. -0.01 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

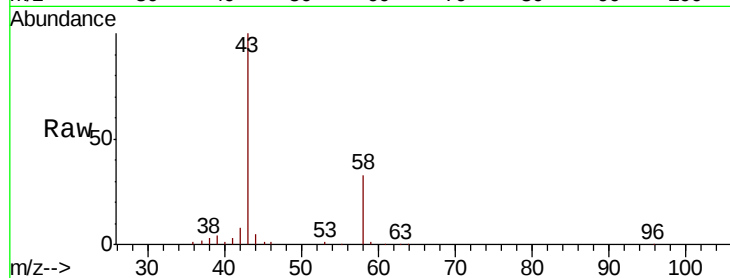
ClientSampleId :

Tot Ion: 43 Resp: 200779

Ion Ratio Lower Upper

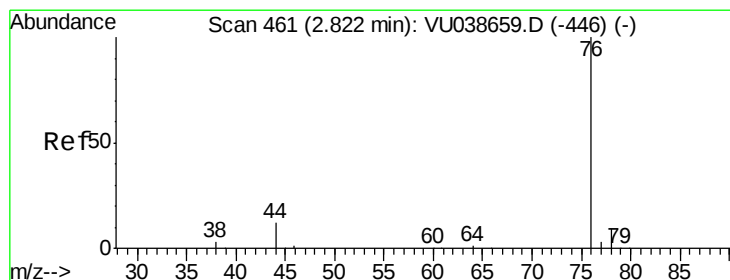
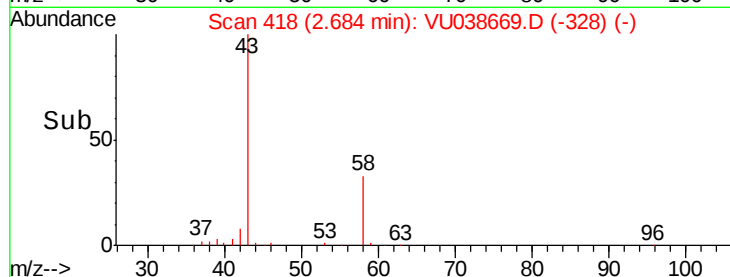
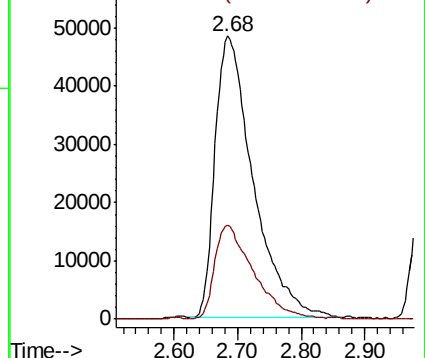
43 100

58 34.0 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038669.D (-328) (-)

Ion 58.05 (57.75 to 58.75): VU038669.D (-328) (-)



#14

Carbon disulfide

Concen: 3.351 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU038669.D

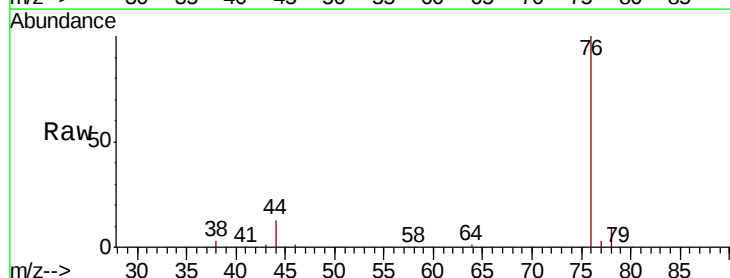
Acq: 08 Jun 2020 14:42

Tgt Ion: 76 Resp: 243373

Ion Ratio Lower Upper

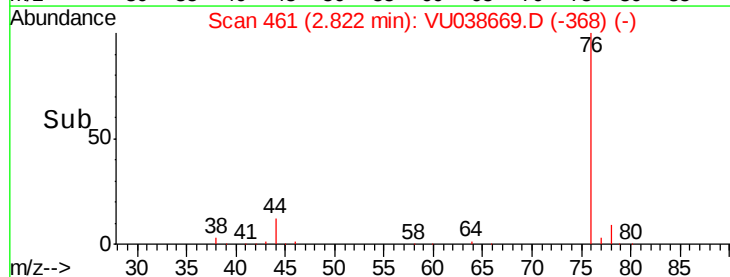
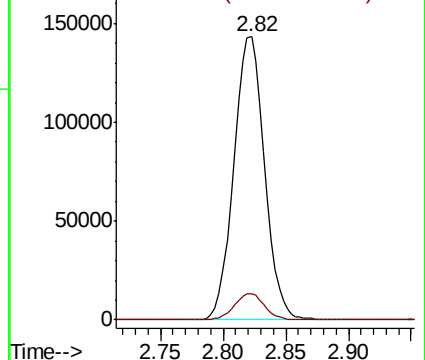
76 100

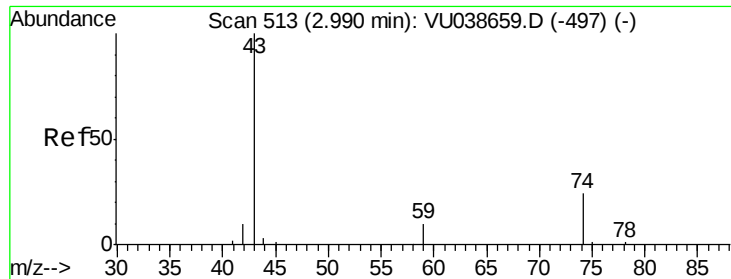
78 9.3 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU038669.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU038669.D (-368) (-)





#15

Methyl Acetate

Concen: 4.456 ug/L

RT: 2.99 min Scan# 513

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

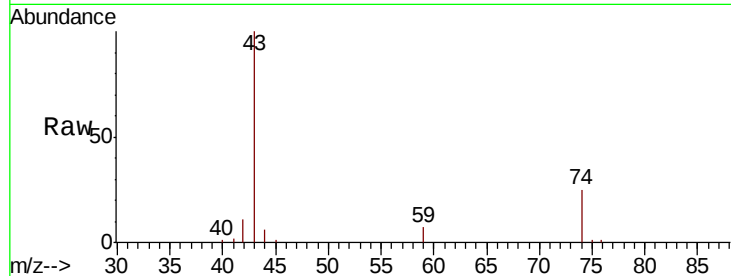
ClientSampleId :

Tot Ion: 43 Resp: 48812

Ion Ratio Lower Upper

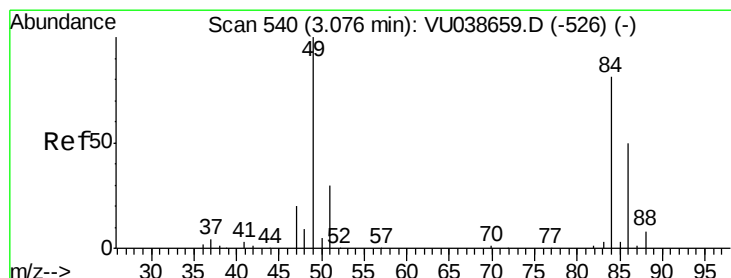
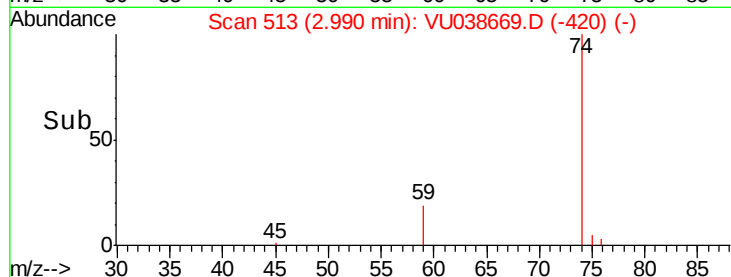
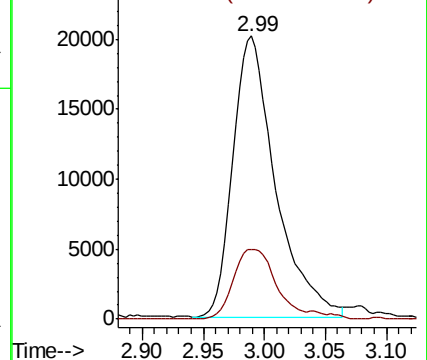
43 100

74 24.5 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: 4.189 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

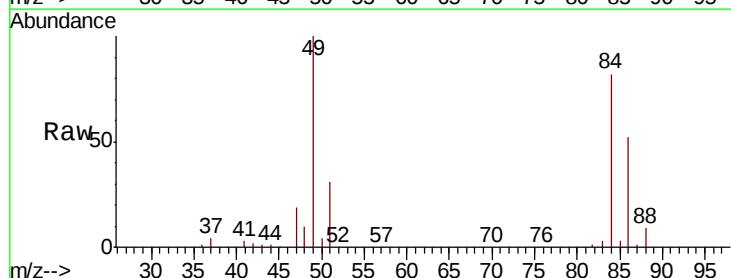
Tgt Ion: 84 Resp: 101442

Ion Ratio Lower Upper

84 100

86 63.9 45.0 83.6

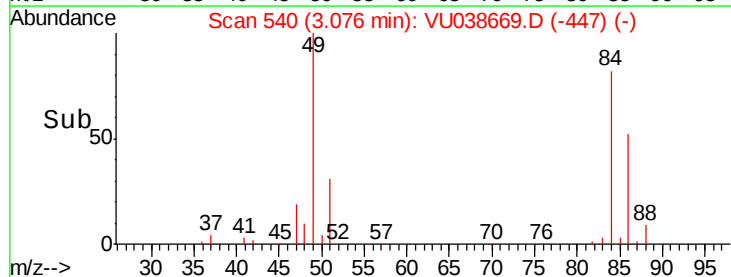
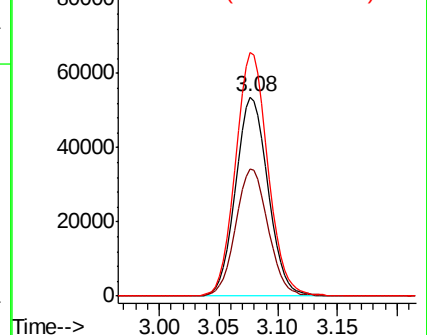
49 122.4 85.5 158.9

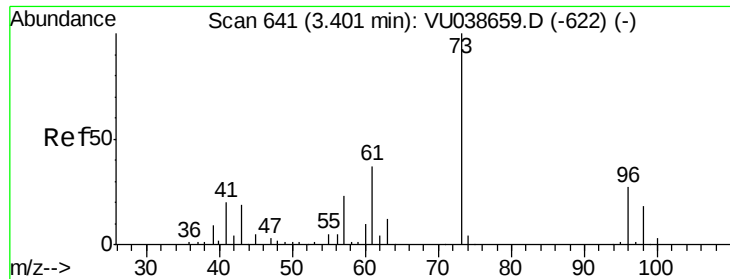


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

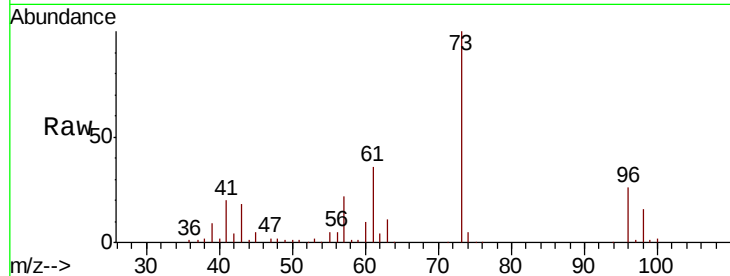




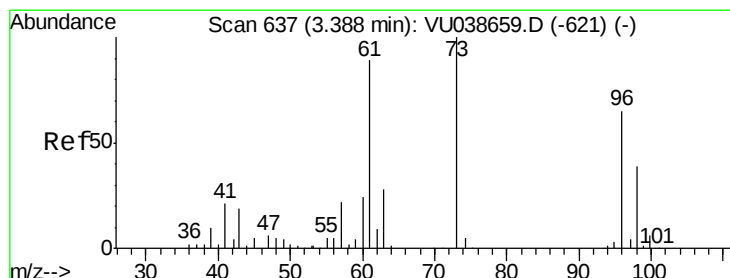
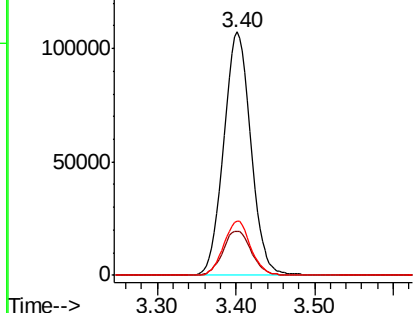
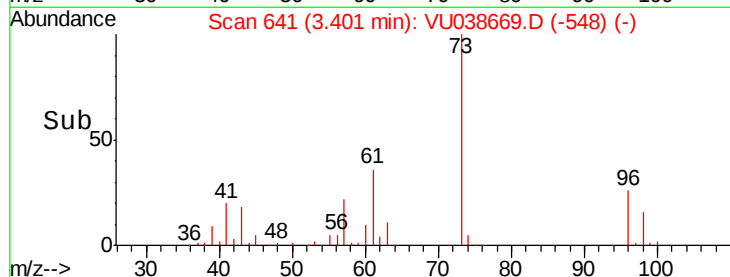
#17
Methvl tert-butvl Ether
Concen: 4.550 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038669.D
Acq: 08 Jun 2020 14:42

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 255311
Ion Ratio Lower Upper
73 100
43 19.1 15.5 23.3
57 22.2 17.8 26.6

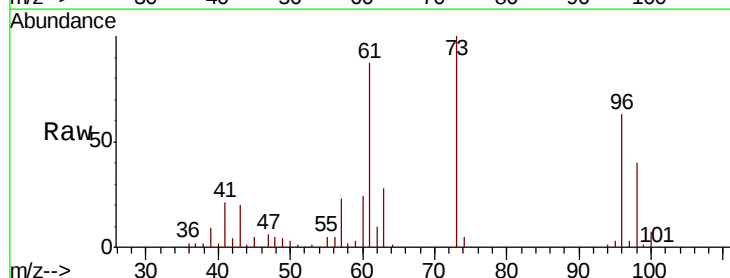


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

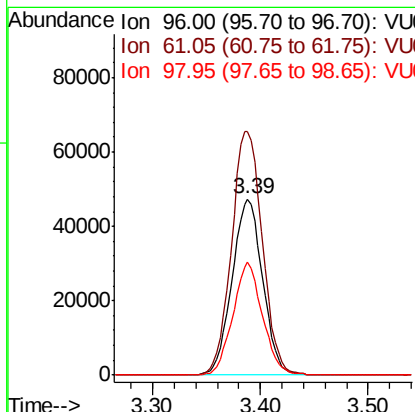
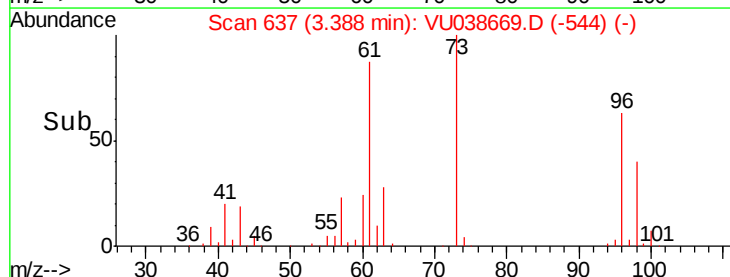


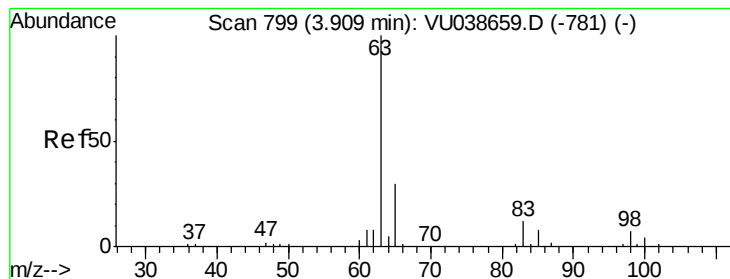
#18
trans-1,2-Dichloroethene
Concen: 4.061 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038669.D
Acq: 08 Jun 2020 14:42

Tgt Ion: 96 Resp: 93656
Ion Ratio Lower Upper
96 100
61 138.1 100.2 186.0
98 63.8 42.8 79.4



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





#19

1,1-Dichloroethane

Concen: 4.448 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

ClientSampled :

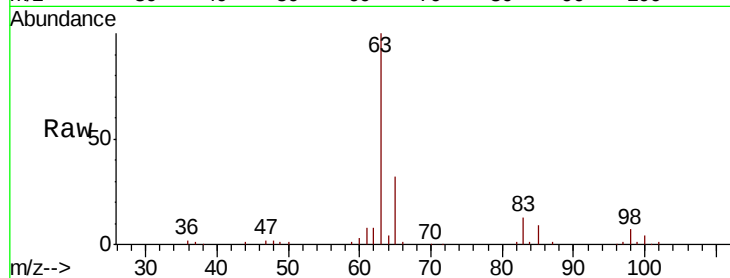
Tot Ion: 63 Resp: 183616

Ion Ratio Lower Upper

63 100

65 32.5 22.3 41.5

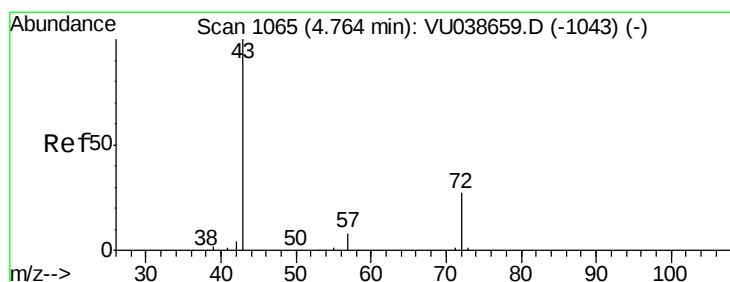
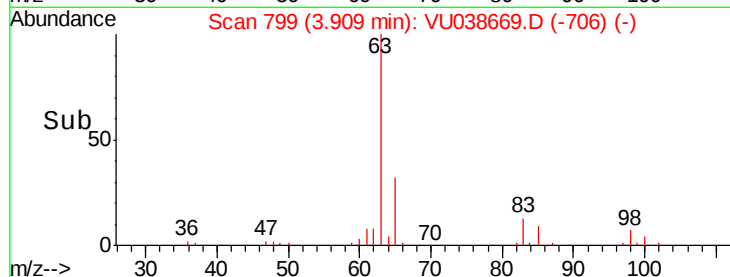
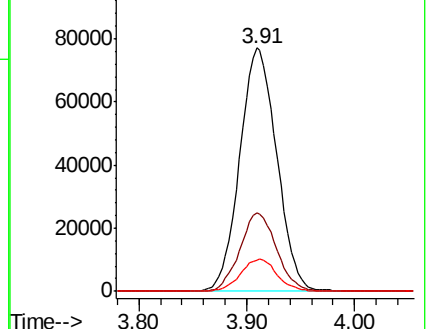
83 13.0 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VU038669.D (-781) (-)

Ion 65.10 (64.80 to 65.80): VU038669.D (-781) (-)

Ion 83.05 (82.75 to 83.75): VU038669.D (-781) (-)



#21

2-Butanone

Concen: 45.804 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VU038669.D

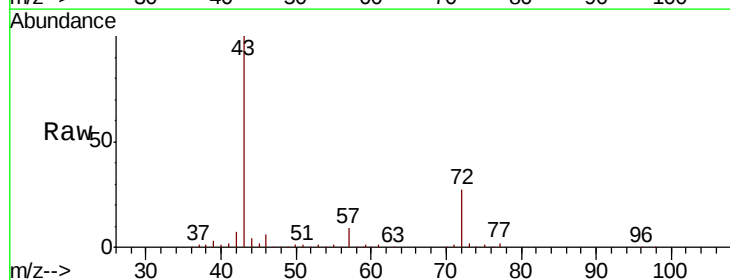
Acq: 08 Jun 2020 14:42

Tgt Ion: 43 Resp: 344482

Ion Ratio Lower Upper

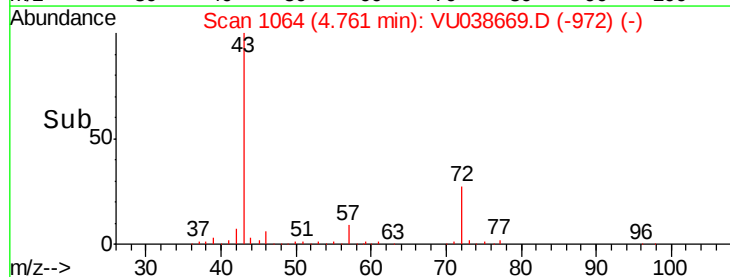
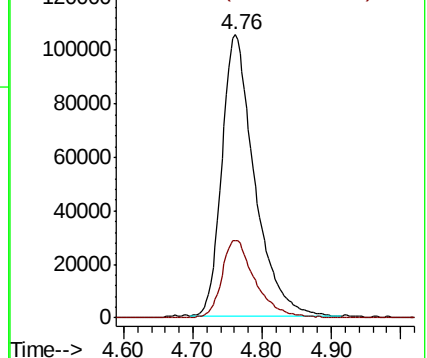
43 100

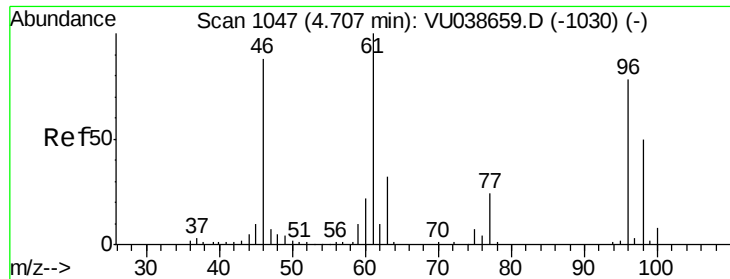
72 28.4 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU038669.D (-972) (-)

Ion 72.10 (71.80 to 72.80): VU038669.D (-972) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.263 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

ClientSampleId :

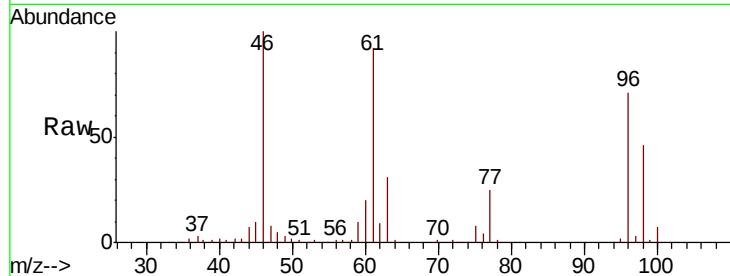
Tot Ion: 96 Resp: 105870

Ion Ratio Lower Upper

96 100

61 128.9 94.0 174.6

68 0.0 0.0 0.0

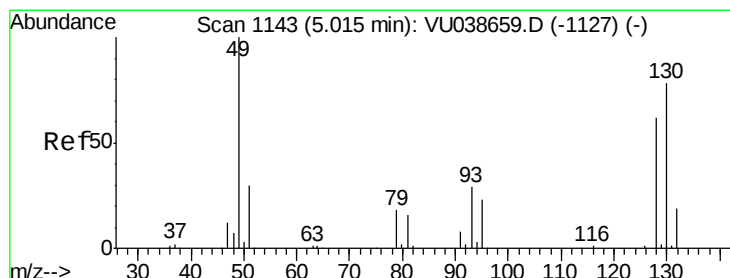
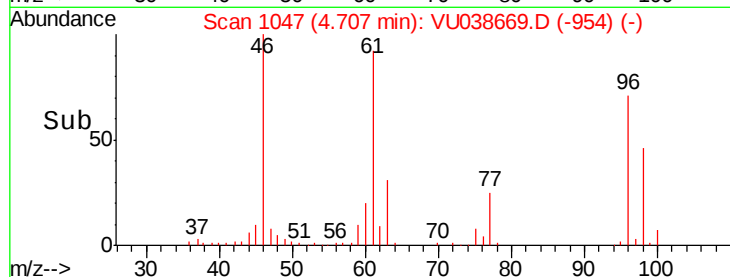
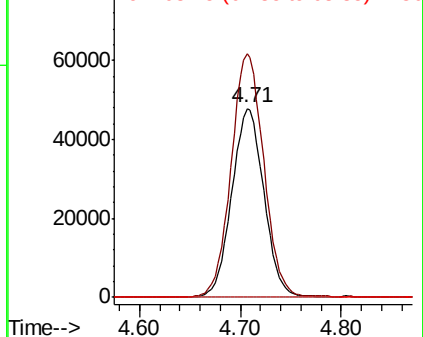


Abundance

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: 4.281 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Tgt Ion: 128 Resp: 47849

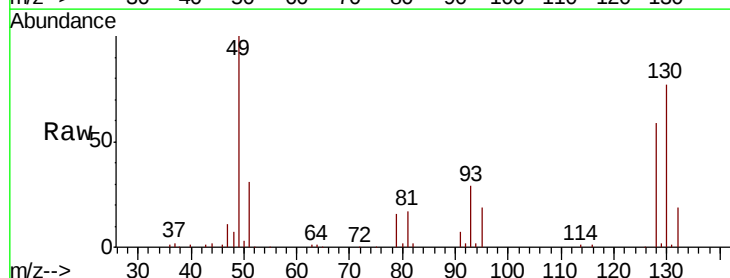
Ion Ratio Lower Upper

128 100

49 170.3 111.9 207.7

130 131.1 86.5 160.7

51 53.0 41.7 62.5



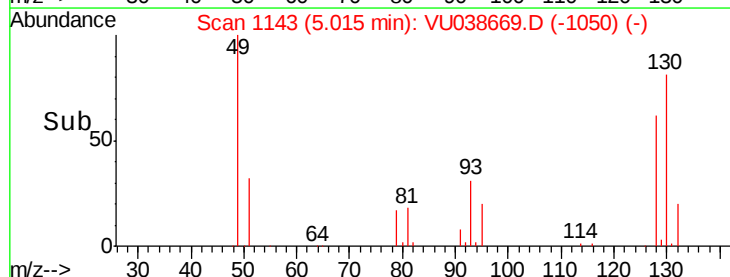
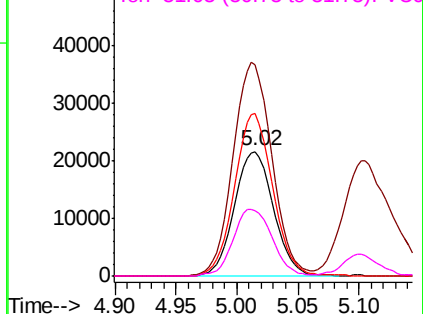
Abundance

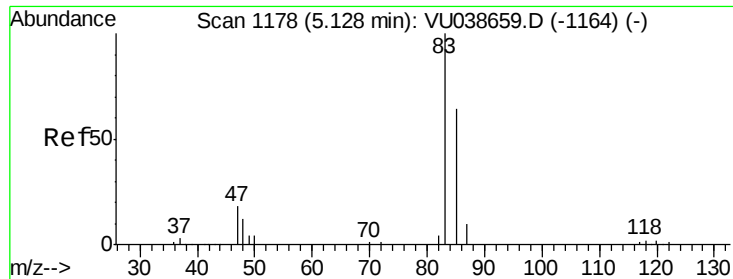
Ion 127.90 (127.60 to 128.60): V

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

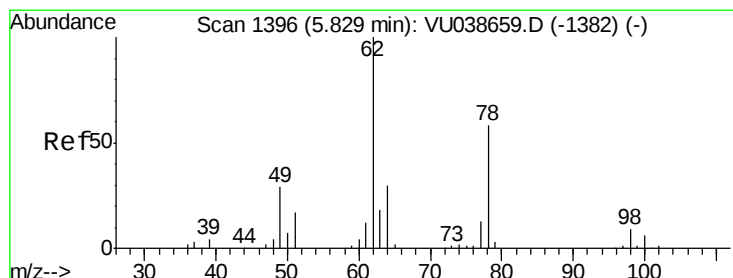
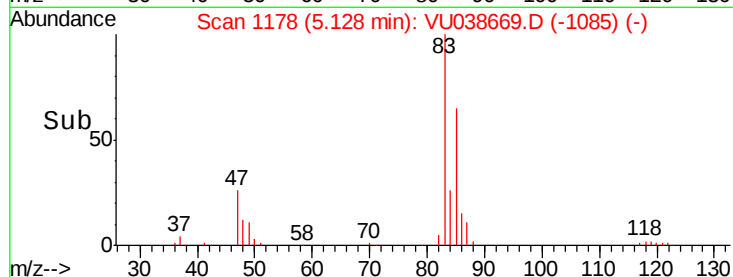
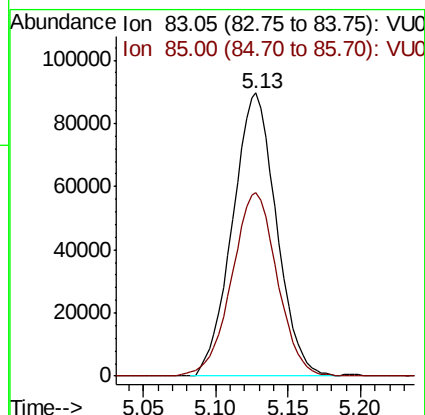
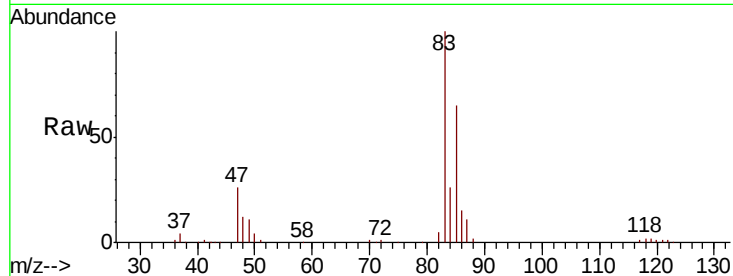




#25
Chloroform
Concen: 4.494 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038669.D
Acq: 08 Jun 2020 14:42

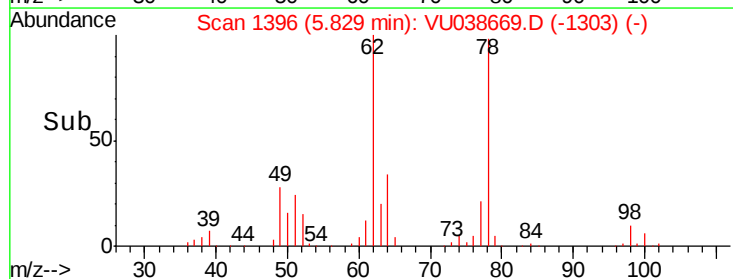
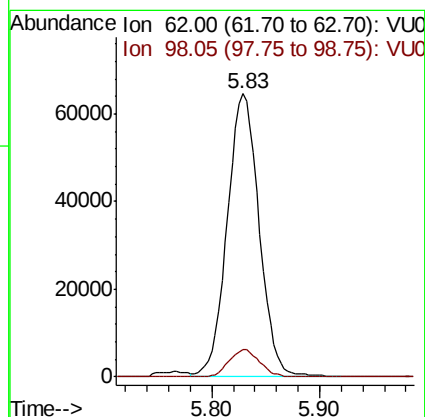
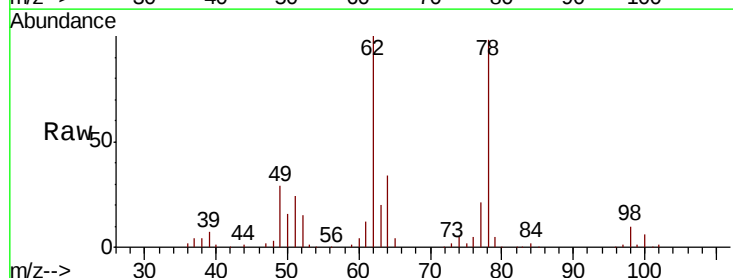
Instrument :
MSVOA_U
ClientSampled :

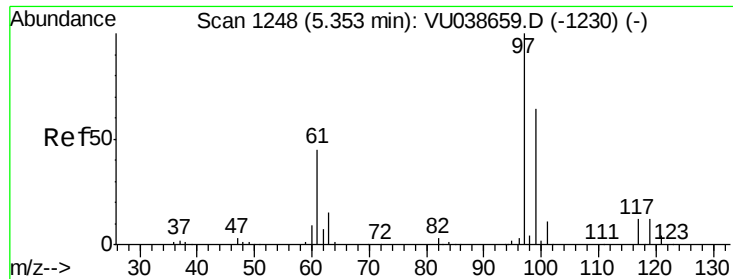
Tot Ion: 83 Resp: 188446
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.5



#27
1,2-Dichloroethane
Concen: 4.484 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038669.D
Acq: 08 Jun 2020 14:42

Tgt Ion: 62 Resp: 132365
Ion Ratio Lower Upper
62 100
98 9.7 7.4 11.2

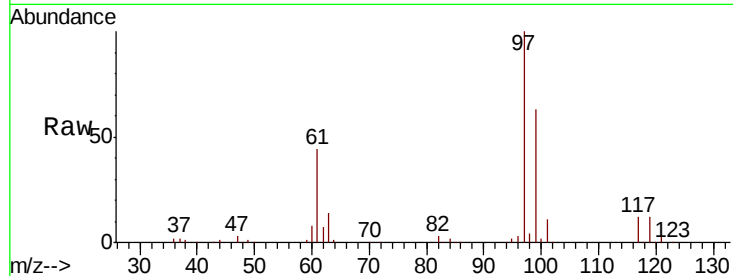




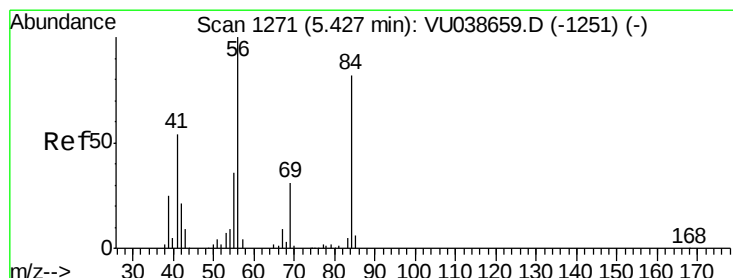
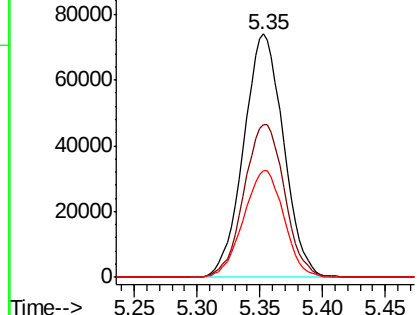
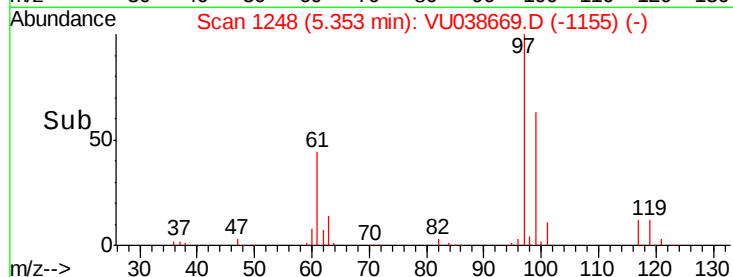
#29
 1,1,1-Trichloroethane
 Concen: 4.531 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038669.D
 Acq: 08 Jun 2020 14:42

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 163649
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.2 78.2
 61 44.4 35.4 53.2

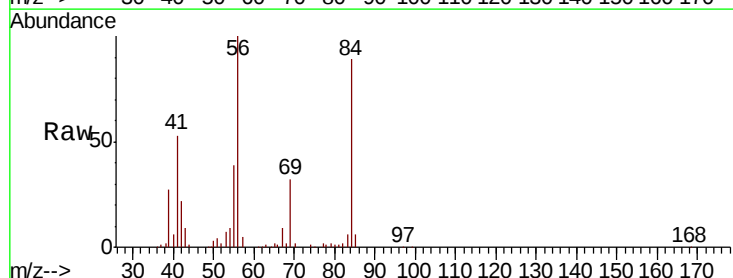


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

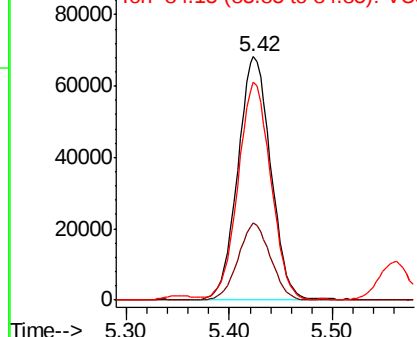
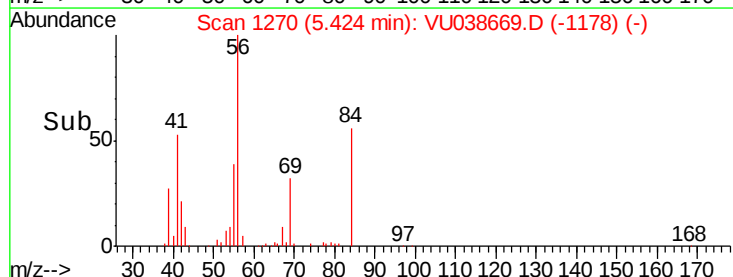


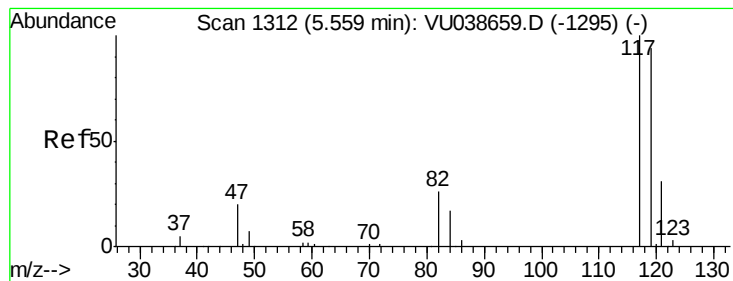
#30
 Cyclohexane
 Concen: 4.007 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038669.D
 Acq: 08 Jun 2020 14:42

Tgt Ion: 56 Resp: 151758
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.2 36.4
 84 88.5 70.8 106.2



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





#31

Carbon tetrachloride

Concen: 4.547 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

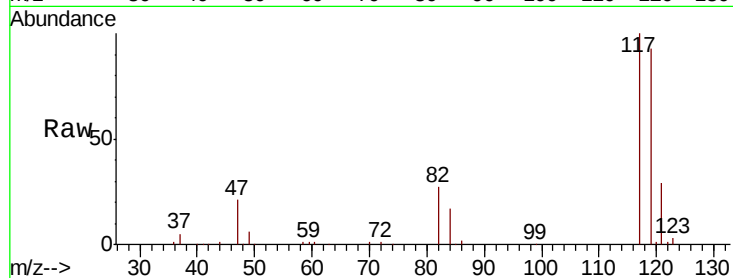
ClientSampleId :

Tot Ion:117 Resp: 136719

Ion Ratio Lower Upper

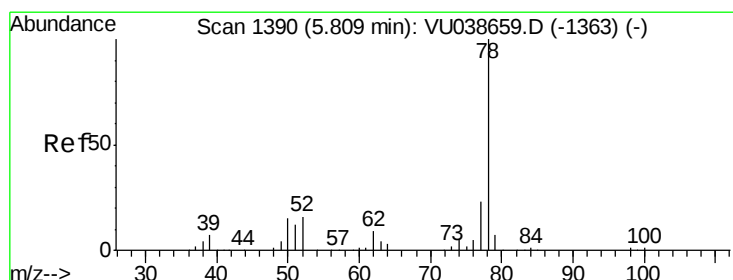
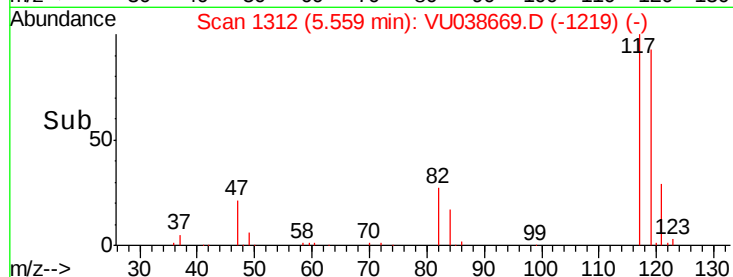
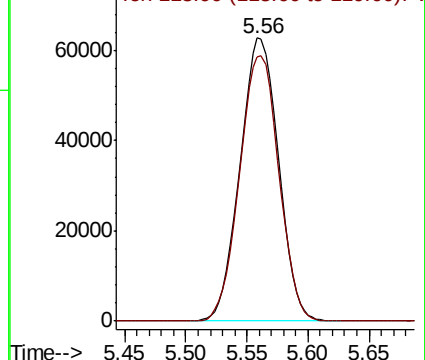
117 100

119 95.8 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: 4.274 ug/L

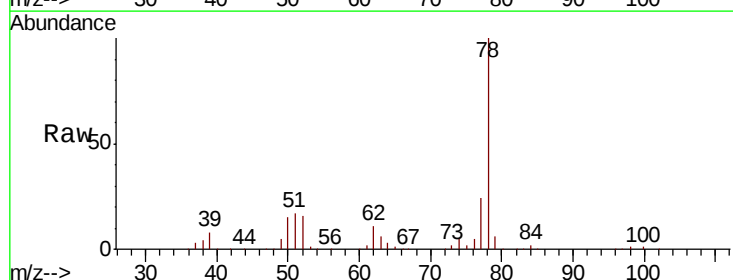
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

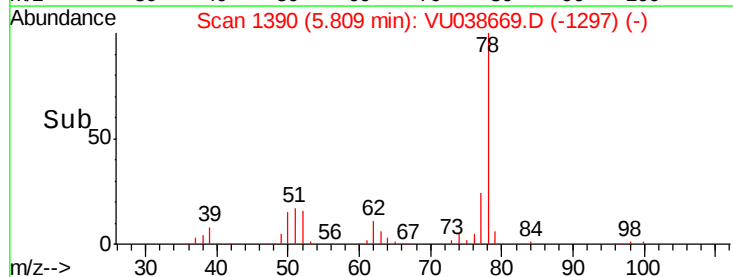
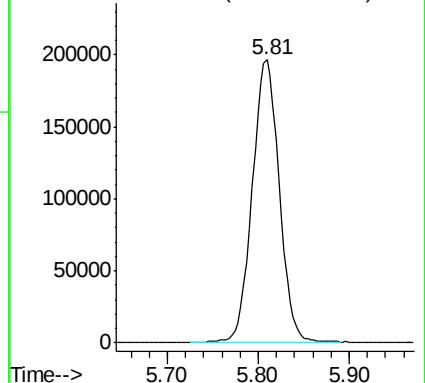
Lab File: VU038669.D

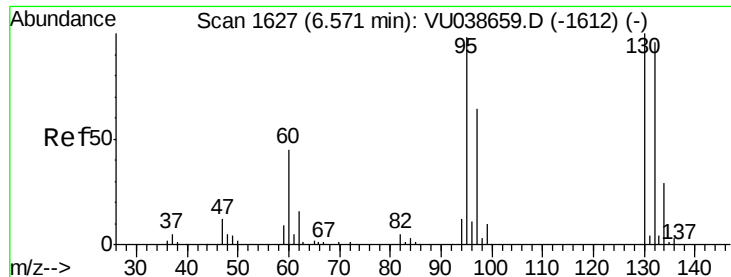
Acq: 08 Jun 2020 14:42

Tgt Ion: 78 Resp: 406808



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.244 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 104856

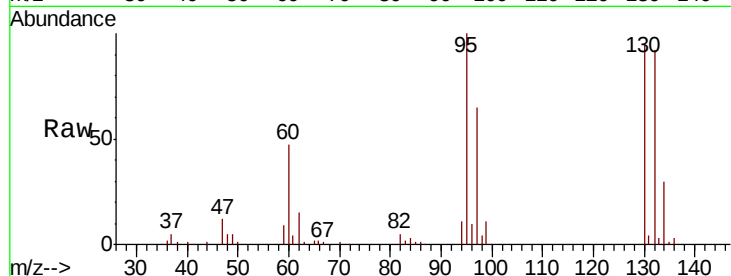
Ion Ratio Lower Upper

95 100

97 64.5 46.8 87.0

132 92.3 66.1 122.7

130 94.7 70.0 130.0

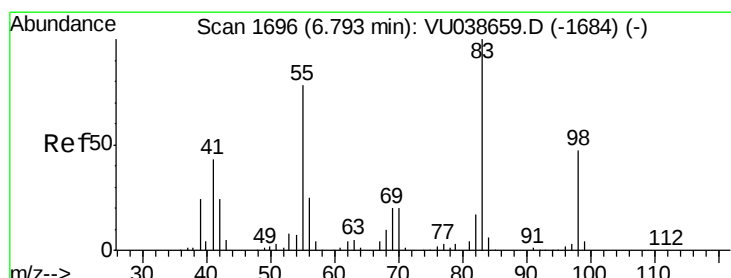
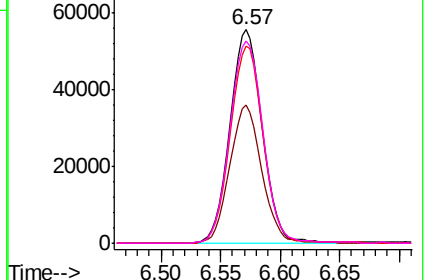
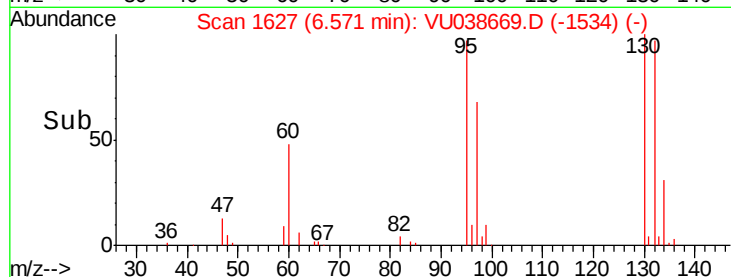


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 3.898 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

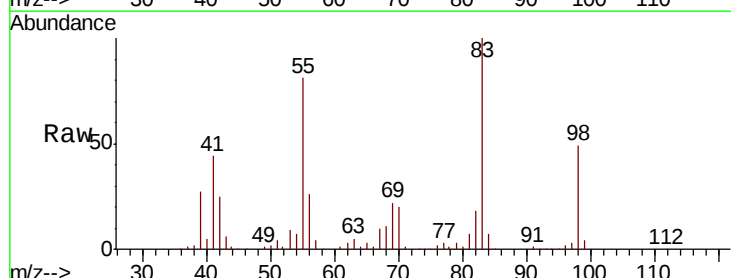
Tgt Ion: 83 Resp: 149078

Ion Ratio Lower Upper

83 100

55 80.9 63.4 95.2

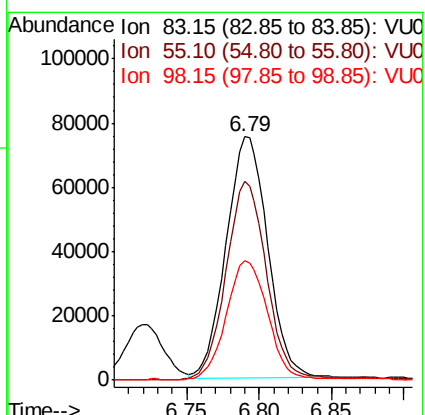
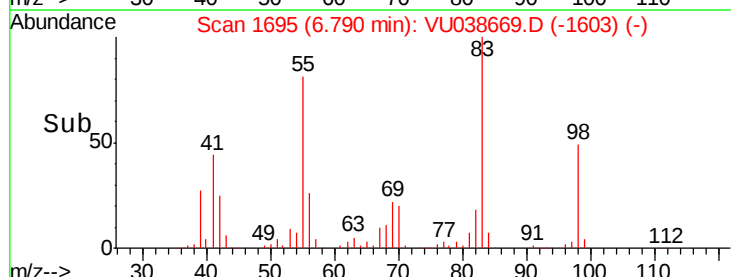
98 49.4 39.0 58.4

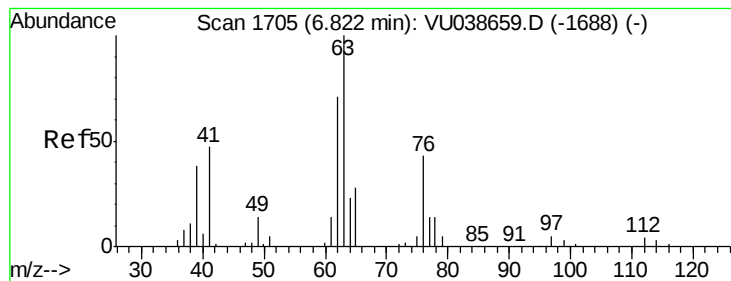


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.427 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

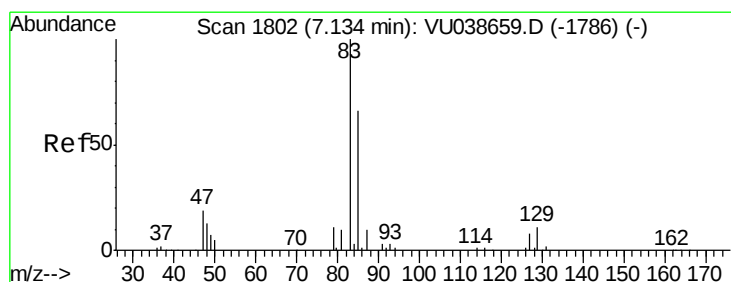
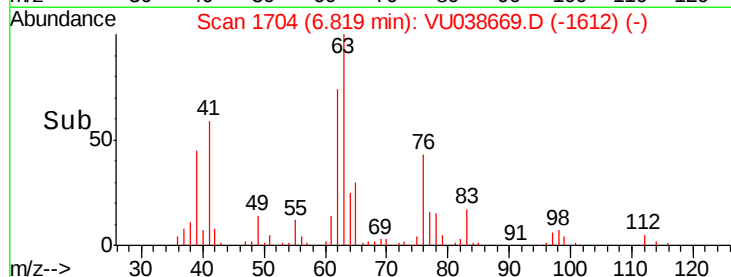
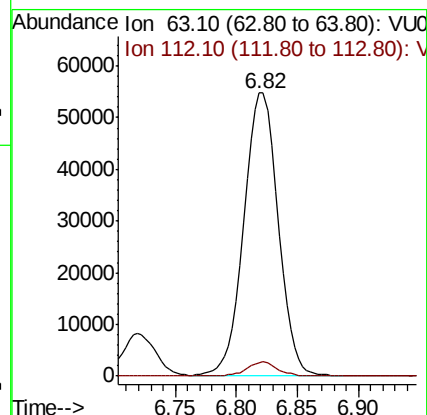
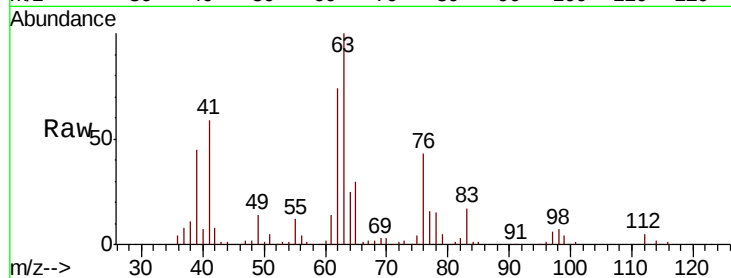
ClientSampleId :

Tot Ion: 63 Resp: 106034

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



#38

Bromodichloromethane

Concen: 4.577 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

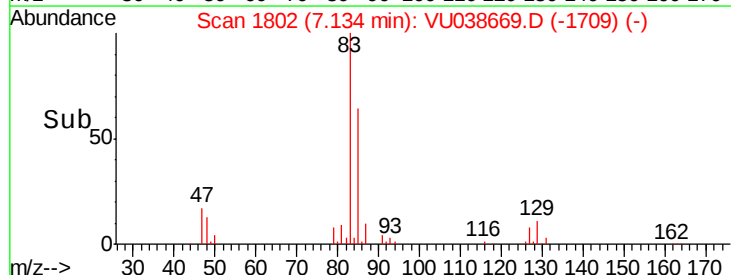
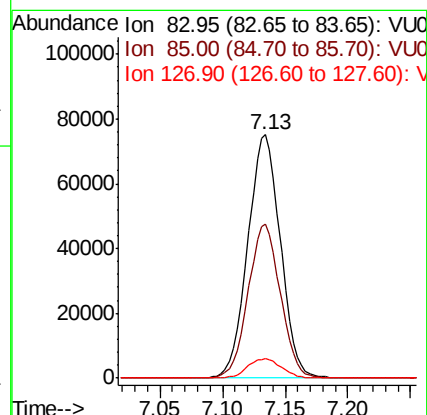
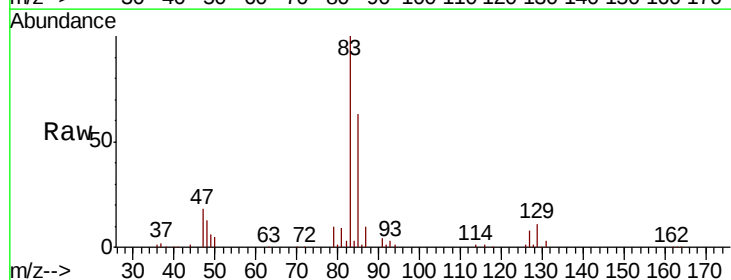
Tgt Ion: 83 Resp: 136148

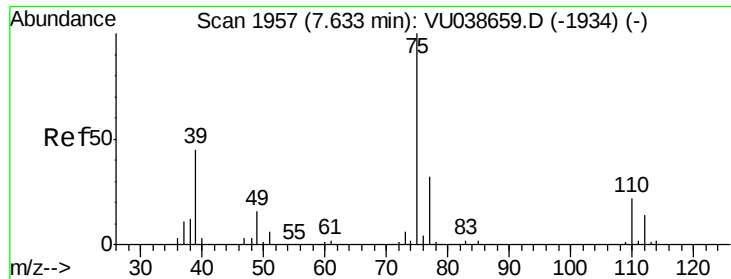
Ion Ratio Lower Upper

83 100

85 63.1 44.7 83.1

127 7.9 6.8 10.2

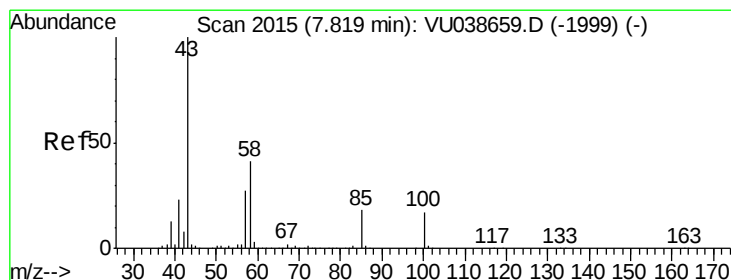
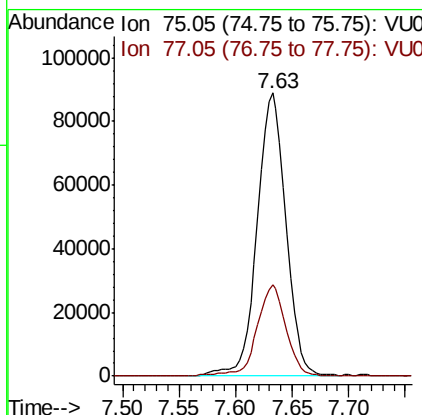
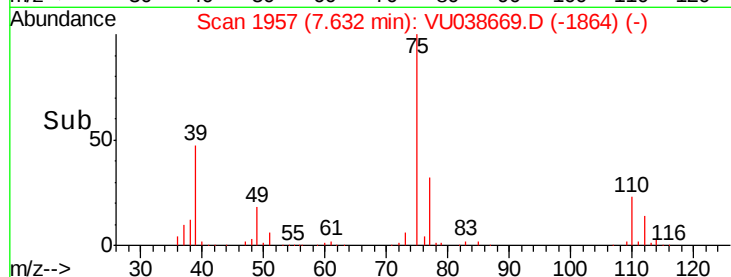
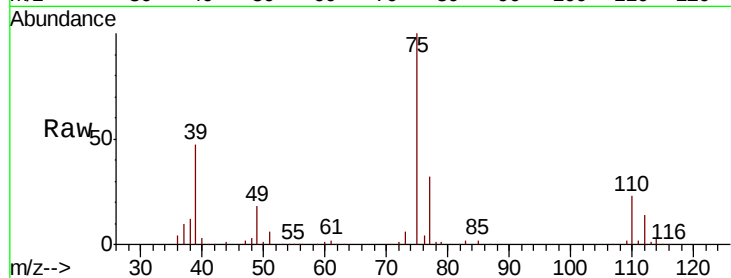




#39
 cis-1,3-Dichloropropene
 Concen: 4.452 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038669.D
 Acq: 08 Jun 2020 14:42

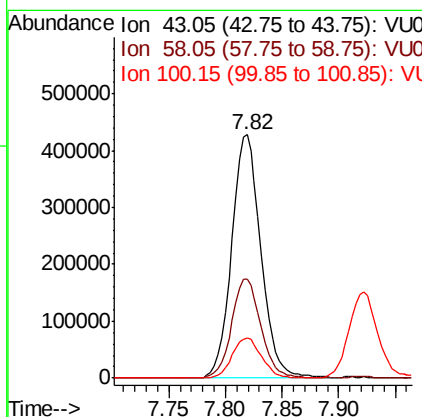
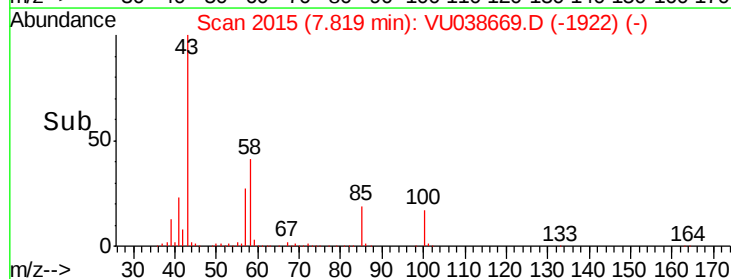
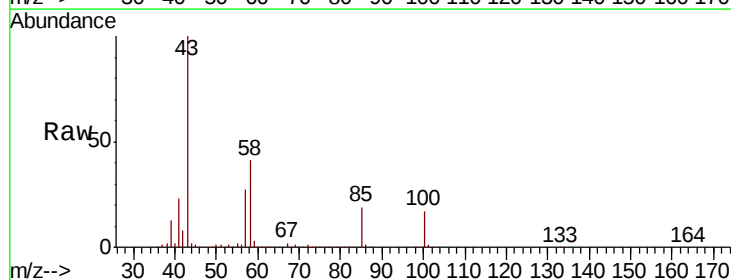
Instrument :
 MSVOA_U
 ClientSampleId :

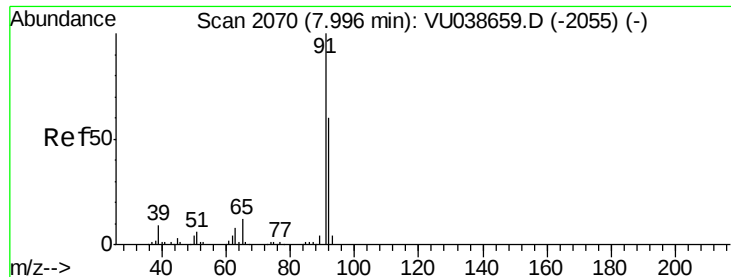
Tot Ion: 75 Resp: 157592
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 44.928 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038669.D
 Acq: 08 Jun 2020 14:42

Tgt Ion: 43 Resp: 769596
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.4 48.6
 100 16.7 13.3 19.9





#42

Toluene

Concen: 4.370 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

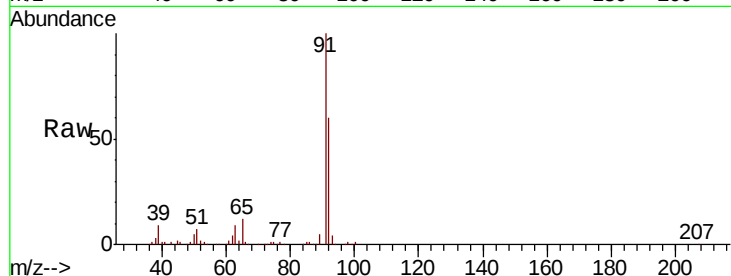
ClientSampled :

Tot Ion: 91 Resp: 436289

Ion Ratio Lower Upper

91 100

92 60.0 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038659.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU038659.D (-2055) (-)

7.99

250000

200000

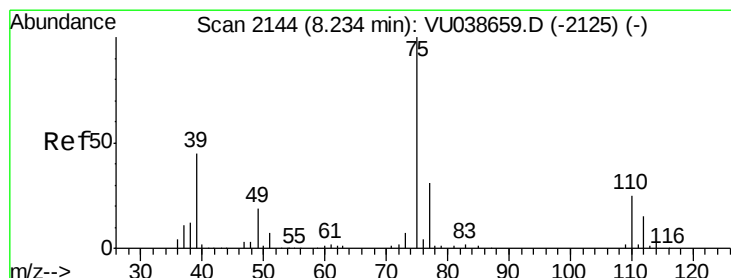
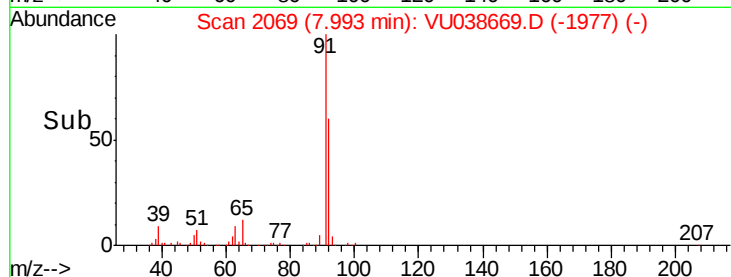
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.473 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038669.D

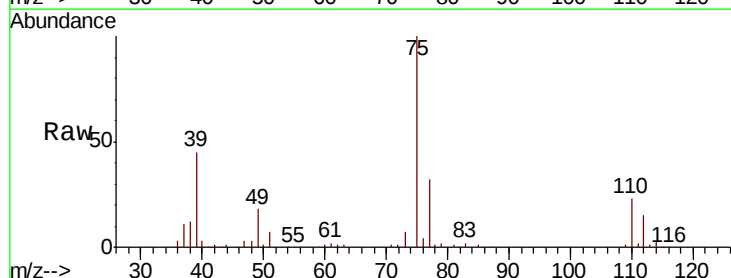
Acq: 08 Jun 2020 14:42

Tgt Ion: 75 Resp: 139829

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038659.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038659.D (-2125) (-)

8.23

100000

80000

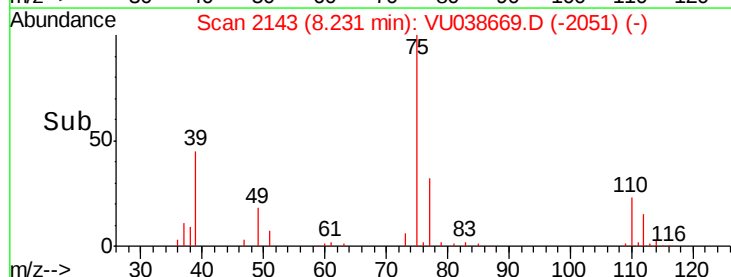
60000

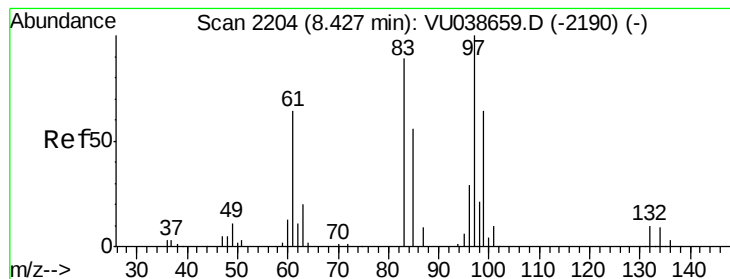
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.587 ug/L

RT: 8.42 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 82880

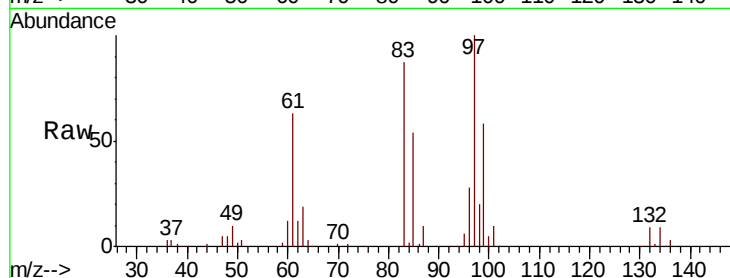
Ion Ratio Lower Upper

97 100

99 58.0 42.1 78.1

83 86.7 58.8 109.2

85 54.5 37.4 69.4

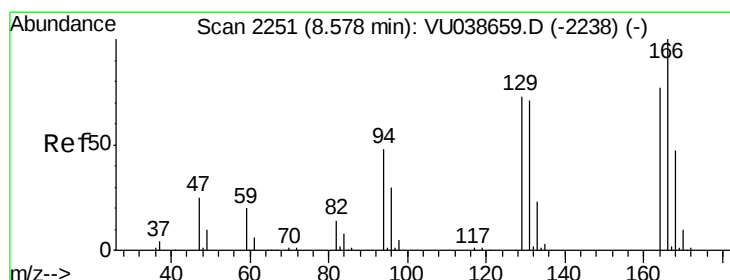
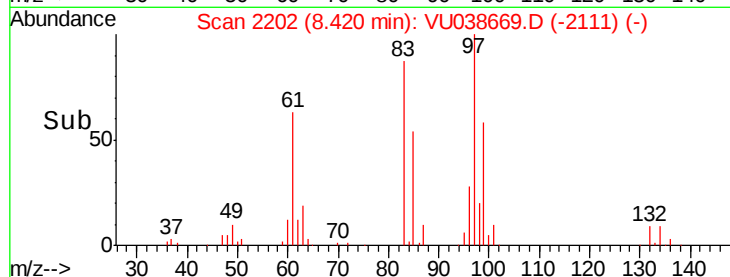
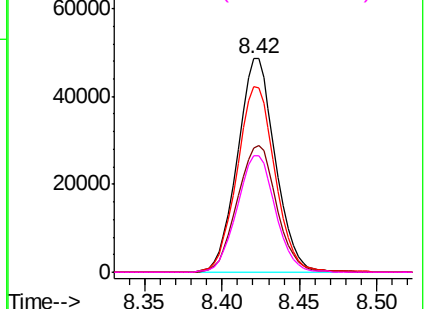


Abundance Ion 96.95 (96.65 to 97.65): VU038669.D (-2190) (-)

Ion 99.05 (98.75 to 99.75): VU038669.D (-2190) (-)

Ion 82.95 (82.65 to 83.65): VU038669.D (-2190) (-)

Ion 85.00 (84.70 to 85.70): VU038669.D (-2190) (-)



#47

Tetrachloroethene

Concen: 4.286 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.01 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Tgt Ion: 164 Resp: 76926

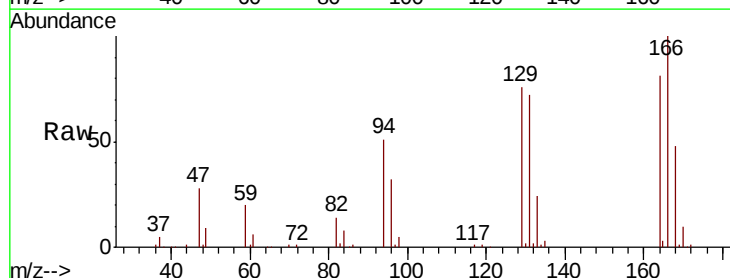
Ion Ratio Lower Upper

164 100

129 94.6 67.4 125.2

131 89.5 64.1 119.1

166 123.9 85.7 159.1

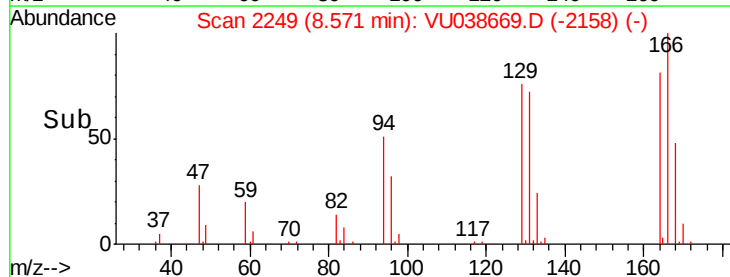
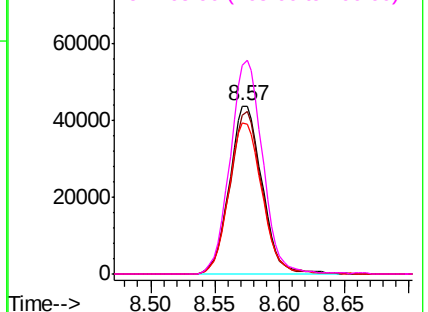


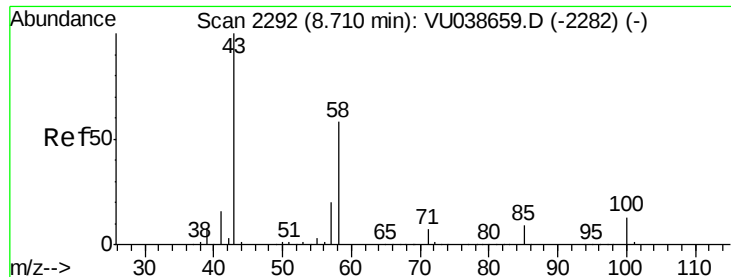
Abundance Ion 163.90 (163.60 to 164.60): VU038669.D (-2238) (-)

Ion 128.95 (128.65 to 129.65): VU038669.D (-2238) (-)

Ion 130.95 (130.65 to 131.65): VU038669.D (-2238) (-)

Ion 165.90 (165.60 to 166.60): VU038669.D (-2238) (-)

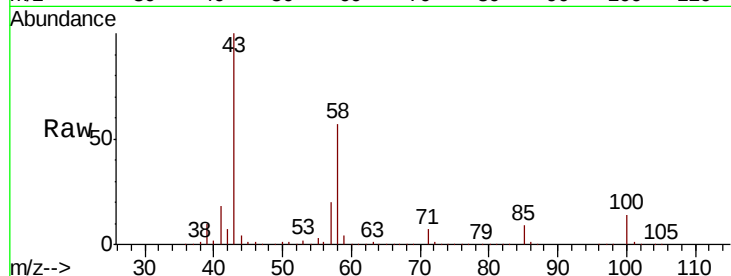




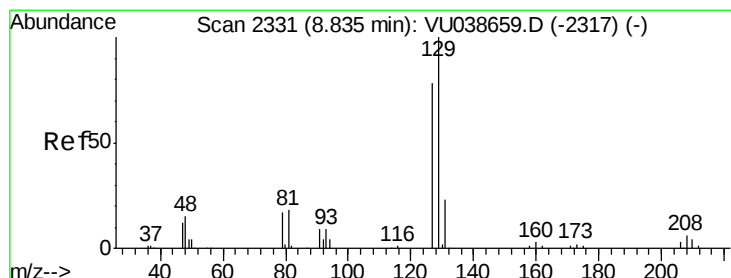
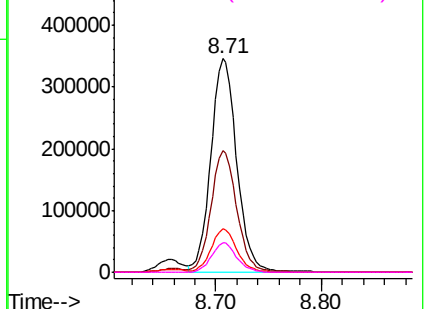
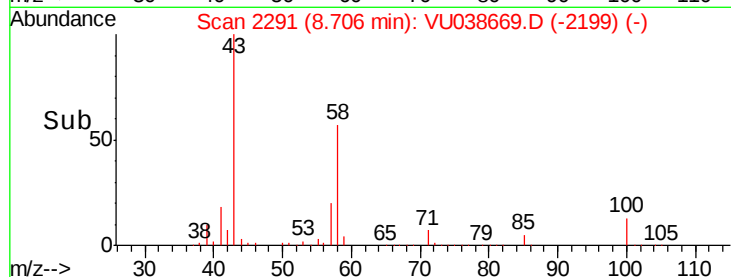
#48
2-Hexanone
Concen: 45.353 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038669.D
Acq: 08 Jun 2020 14:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 588336
Ion Ratio Lower Upper
43 100
58 56.7 45.4 68.0
57 20.1 15.9 23.9
100 13.3 10.5 15.7

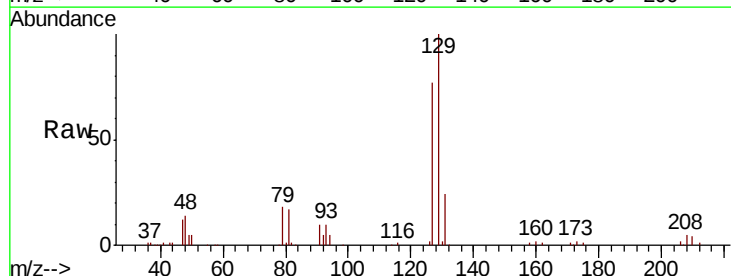


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

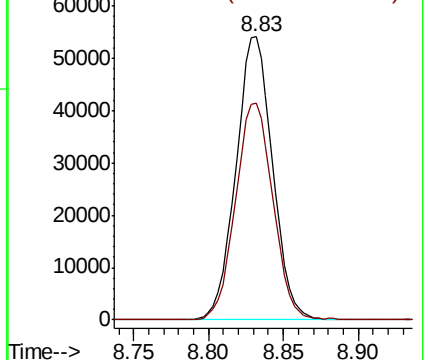
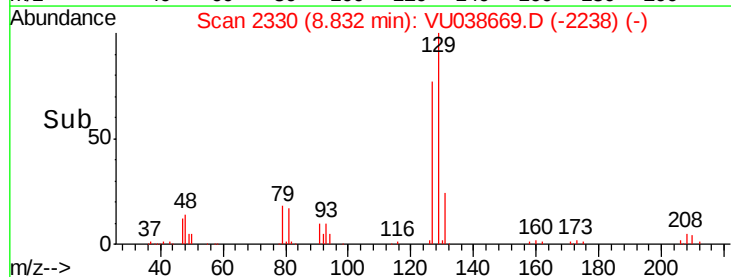


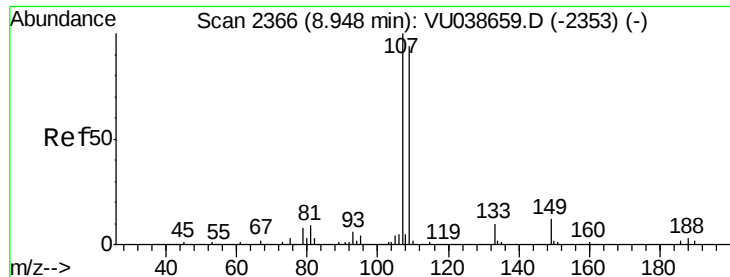
#49
Dibromochloromethane
Concen: 4.720 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038669.D
Acq: 08 Jun 2020 14:42

Tgt Ion: 129 Resp: 92067
Ion Ratio Lower Upper
129 100
127 76.6 53.3 99.1



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

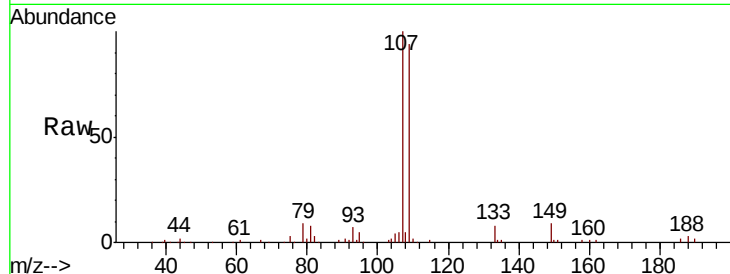




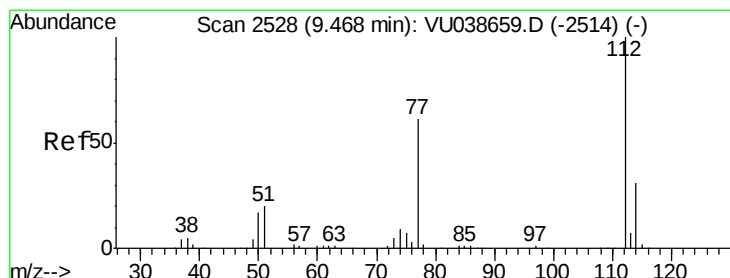
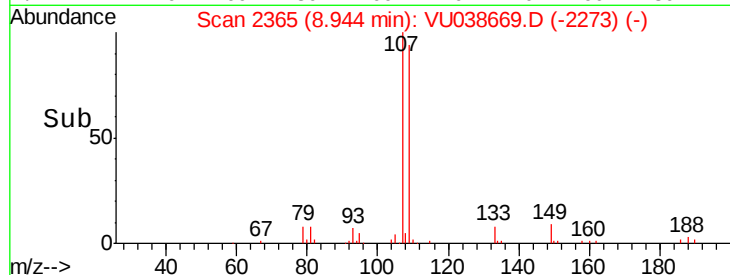
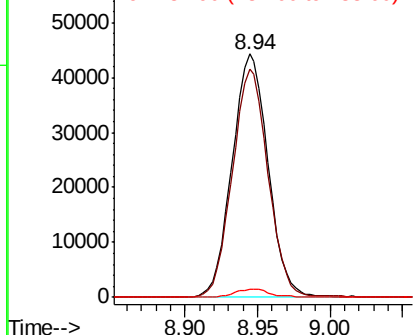
#50
 1,2-Dibromoethane
 Concen: 4.404 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038669.D
 Acq: 08 Jun 2020 14:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 76201
 Ion Ratio Lower Upper
 107 100
 109 94.0 67.0 124.4
 188 3.2 3.0 4.4

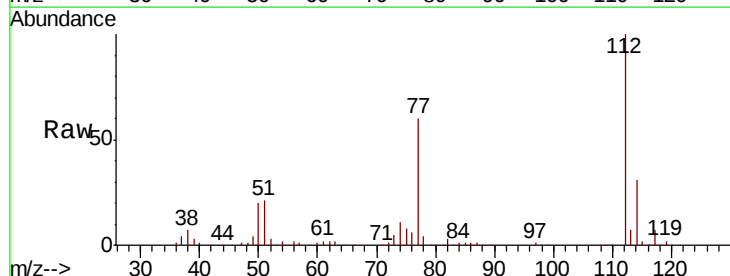


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

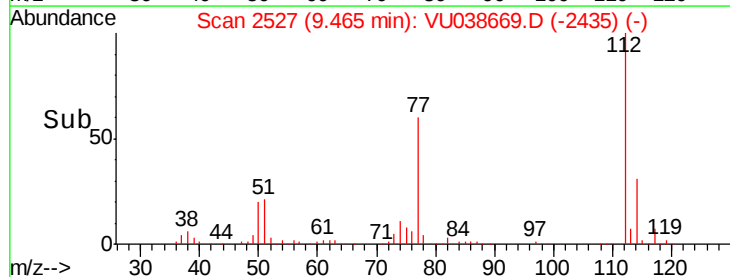
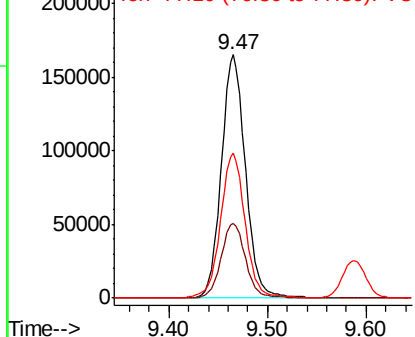


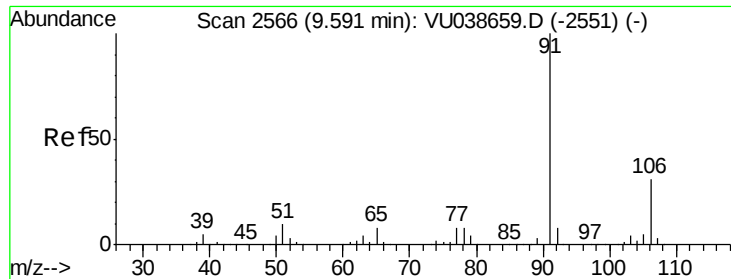
#51
 Chlorobenzene
 Concen: 4.412 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038669.D
 Acq: 08 Jun 2020 14:42

Tgt Ion:112 Resp: 284097
 Ion Ratio Lower Upper
 112 100
 114 30.9 22.4 41.6
 77 59.5 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: 4.323 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

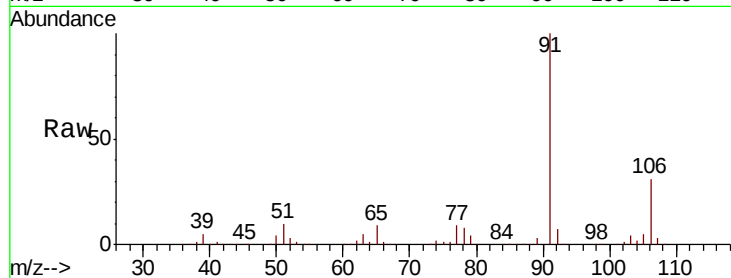
ClientSampleId :

Tot Ion: 91 Resp: 480146

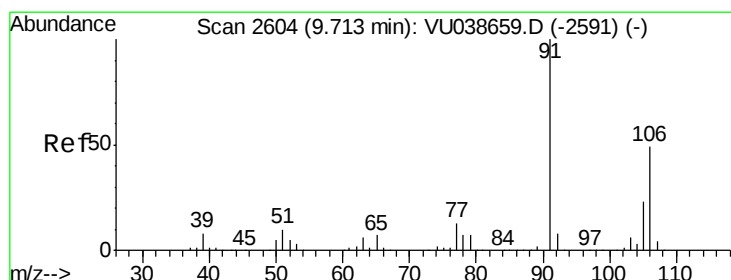
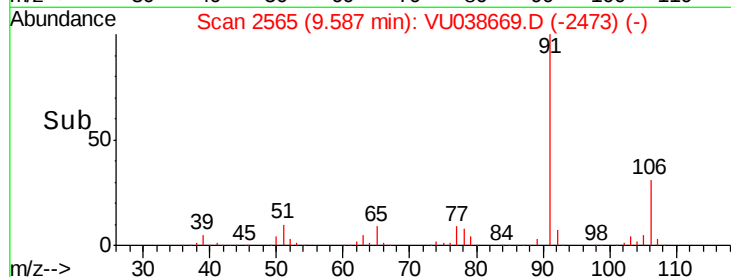
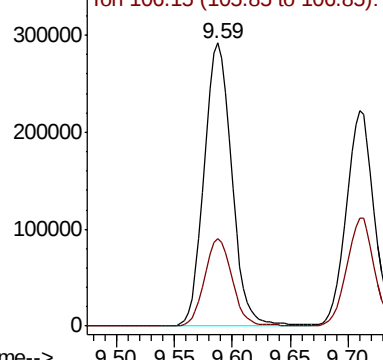
Ion Ratio Lower Upper

91 100

106 30.8 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038659.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.410 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038669.D

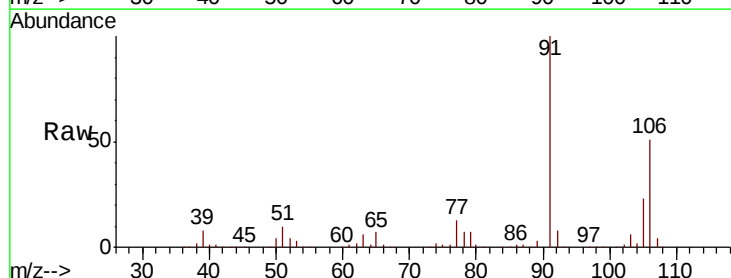
Acq: 08 Jun 2020 14:42

Tgt Ion: 106 Resp: 188396

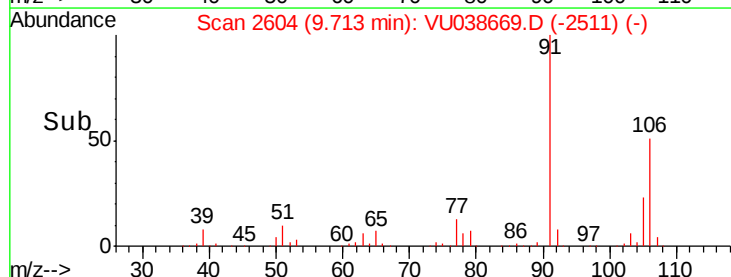
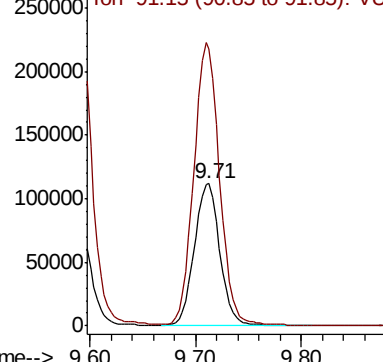
Ion Ratio Lower Upper

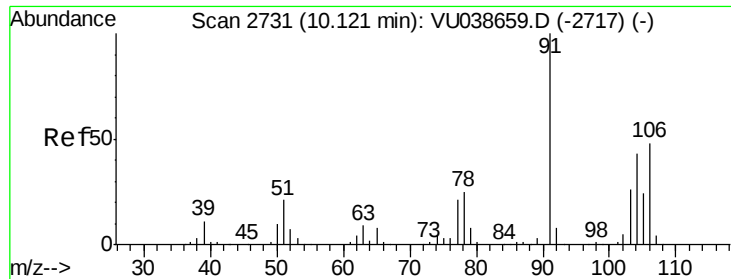
106 100

91 195.3 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038659.D (-2591) (-)

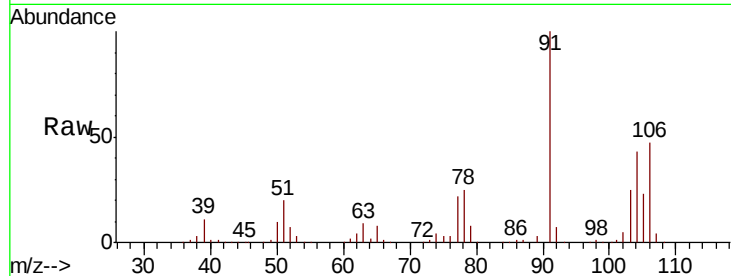




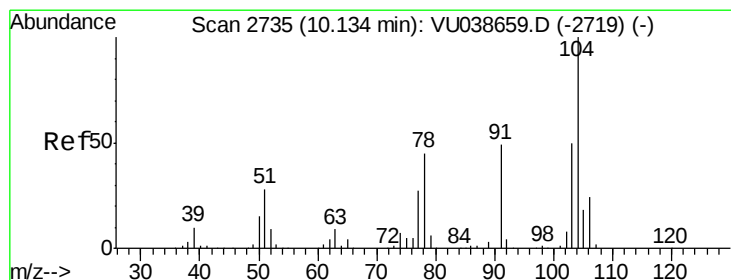
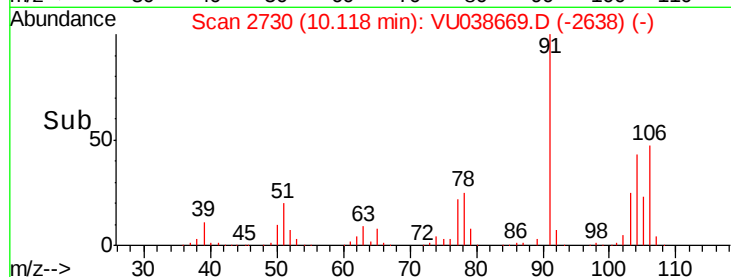
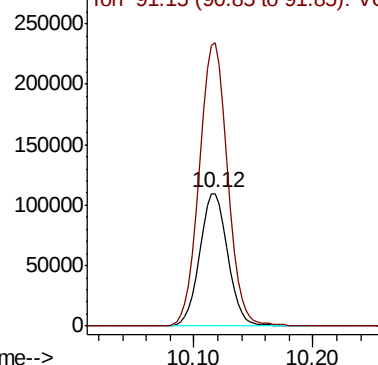
#54
o-Xylene
Concen: 4.381 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038669.D
Acq: 08 Jun 2020 14:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 179657
Ion Ratio Lower Upper
106 100
91 213.6 150.6 279.8

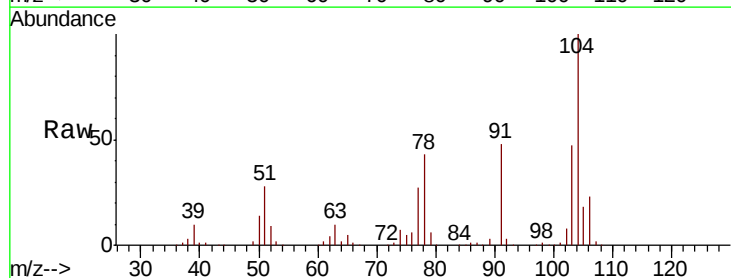


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

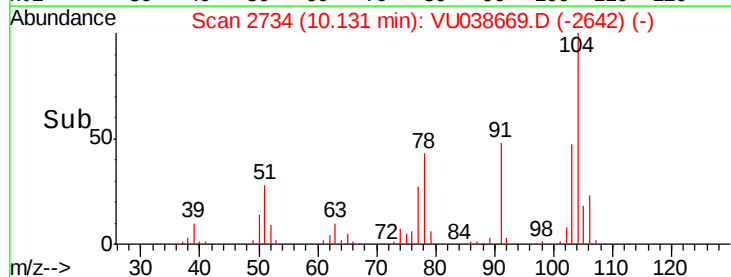
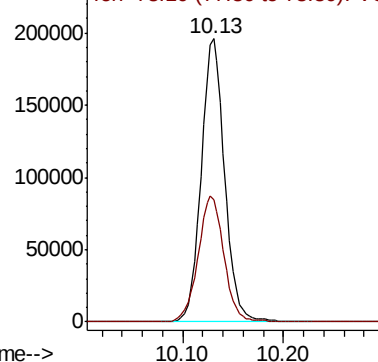


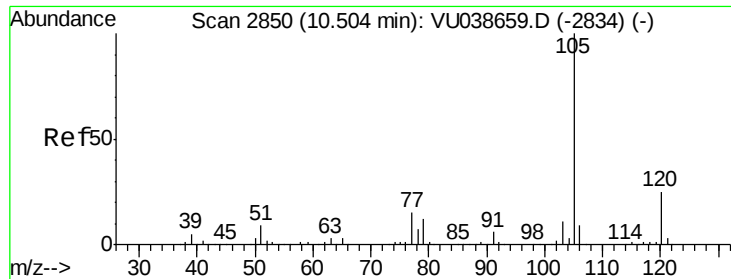
#55
Styrene
Concen: 4.558 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038669.D
Acq: 08 Jun 2020 14:42

Tgt Ion:104 Resp: 317298
Ion Ratio Lower Upper
104 100
78 43.1 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: 4.496 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

ClientSampleId :

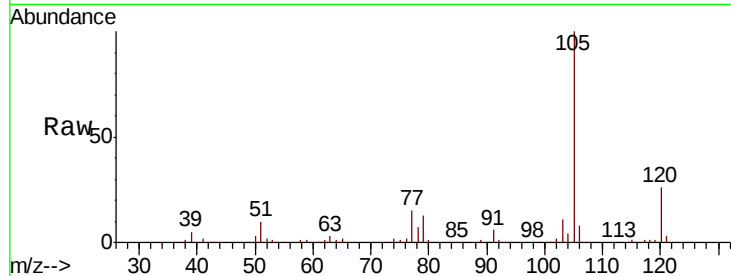
Tot Ion:105 Resp: 485288

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

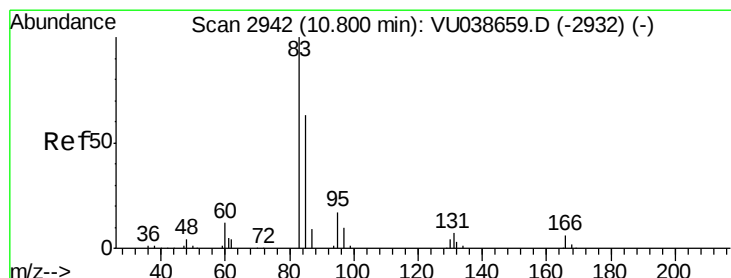
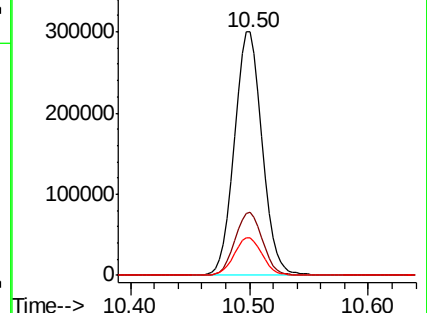
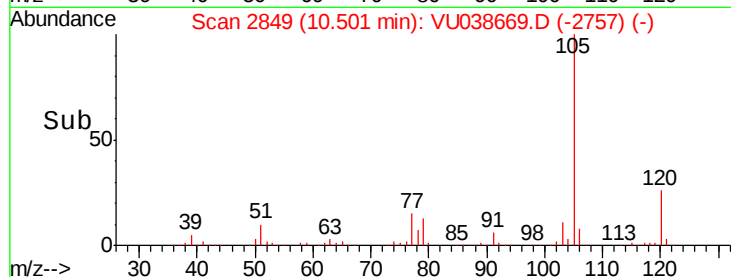
77 15.7 12.5 18.7



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: 4.514 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

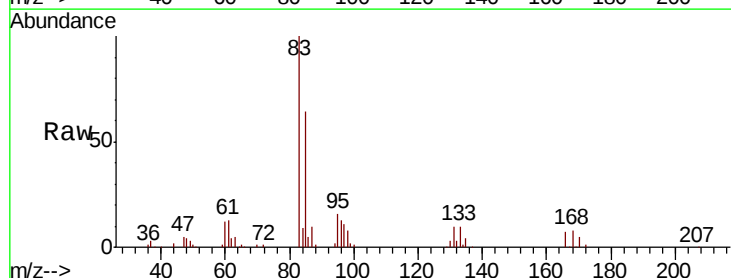
Tgt Ion: 83 Resp: 103655

Ion Ratio Lower Upper

83 100

85 64.5 44.2 82.0

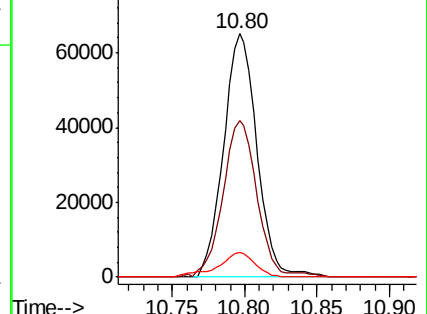
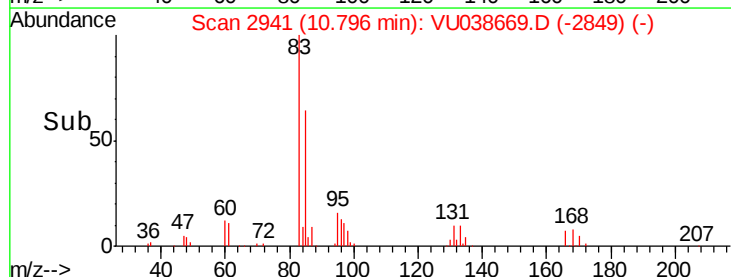
131 10.1 8.1 12.1

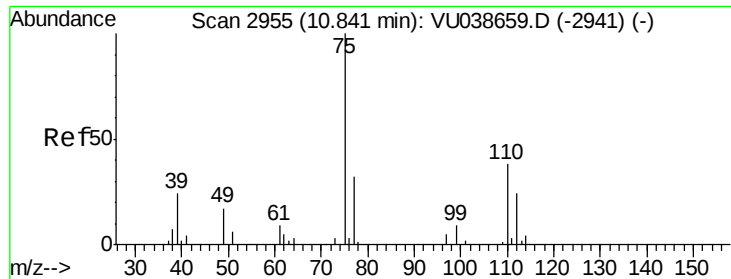


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.521 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

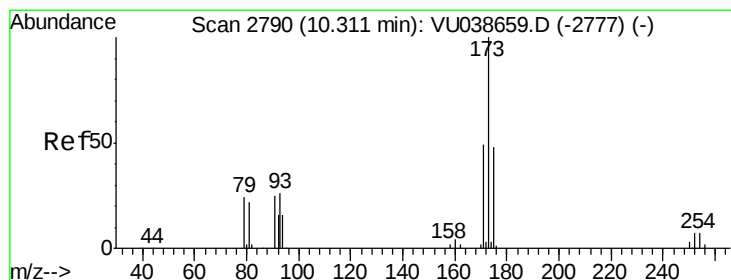
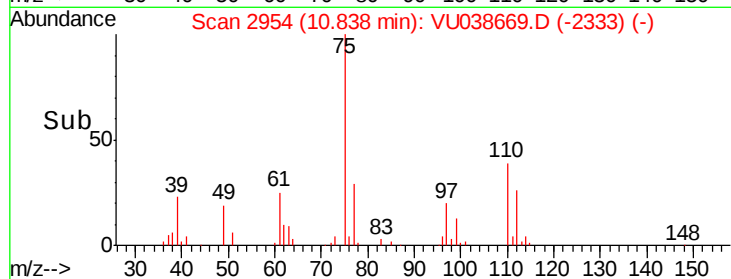
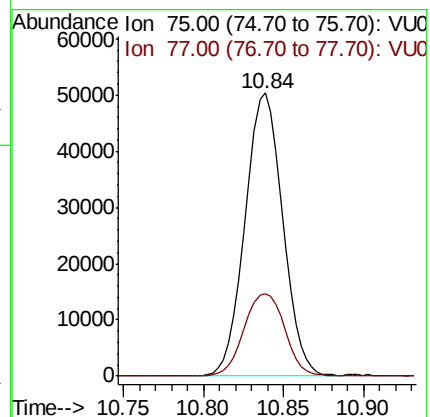
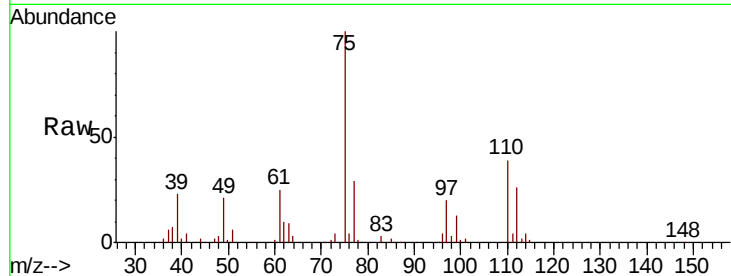
ClientSampled :

Tot Ion: 75 Resp: 80830

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



#61

Bromoform

Concen: 4.637 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

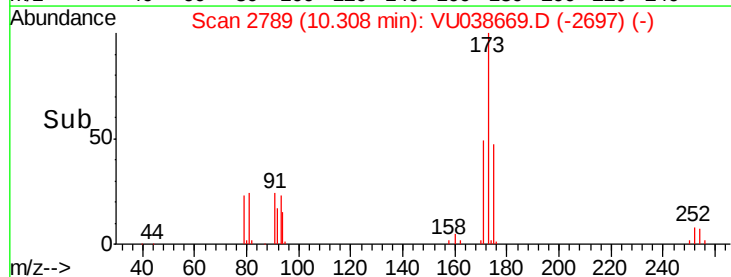
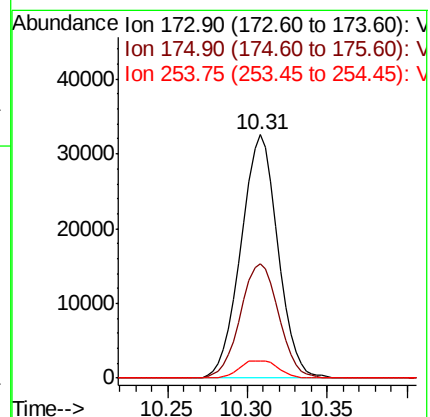
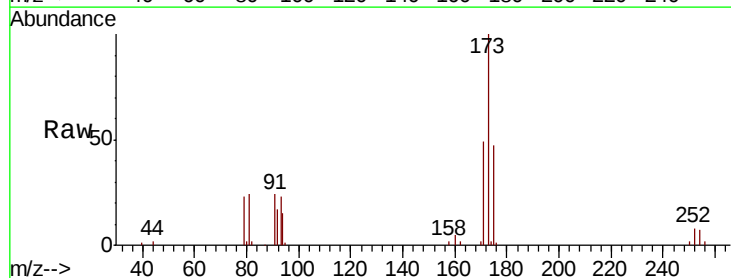
Tgt Ion: 173 Resp: 51004

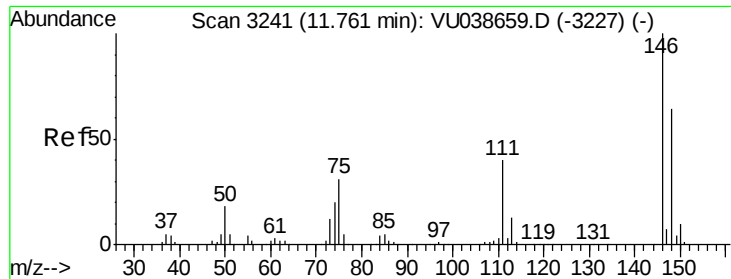
Ion Ratio Lower Upper

173 100

175 48.9 38.7 58.1

254 7.4 5.4 8.2

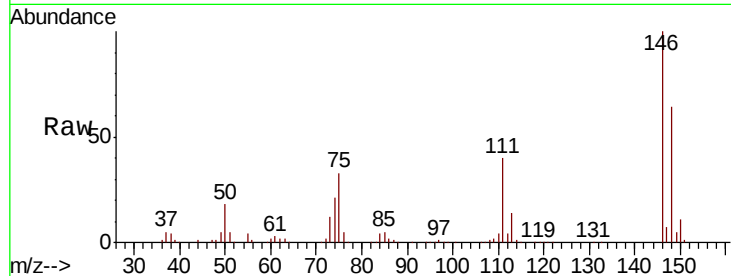




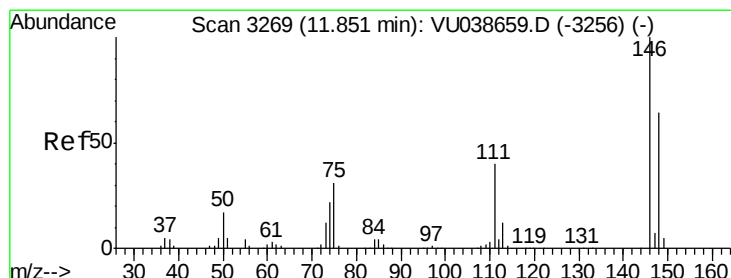
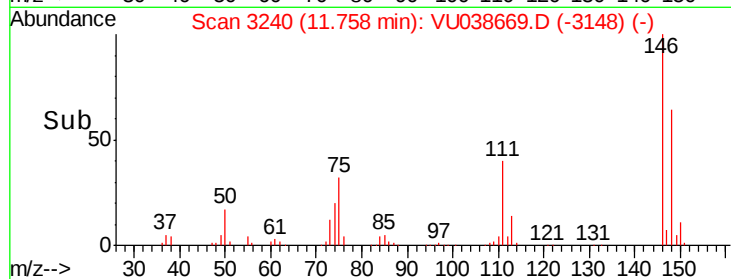
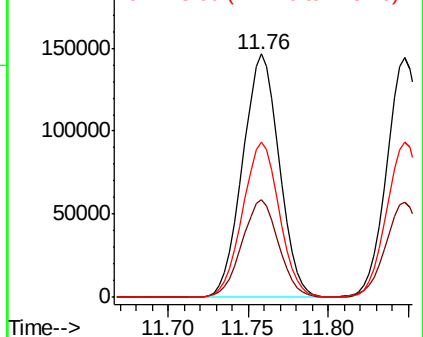
#62
 1,3-Dichlorobenzene
 Concen: 4.419 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038669.D
 Acq: 08 Jun 2020 14:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	29.5	54.9
148	63.9	45.6	84.6

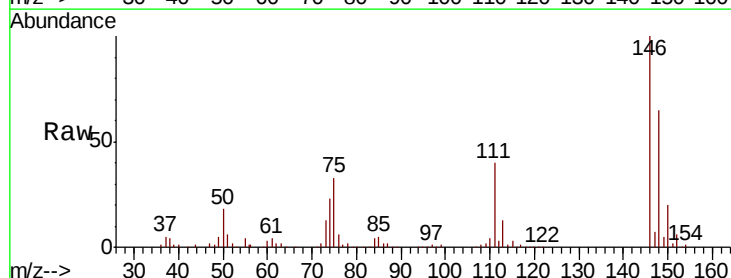


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

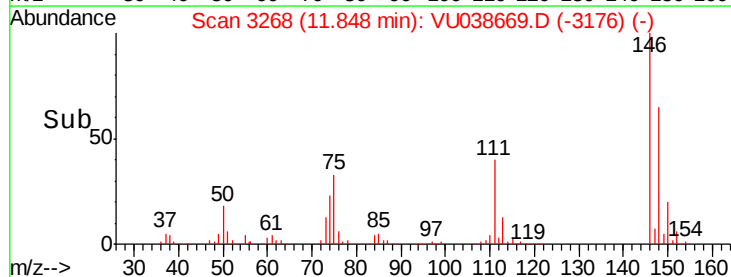
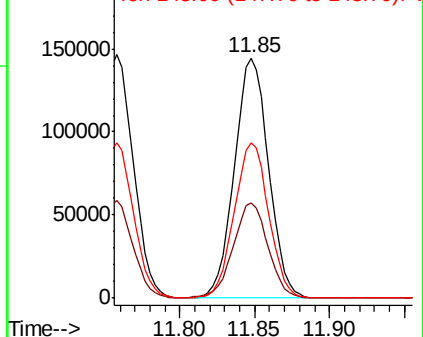


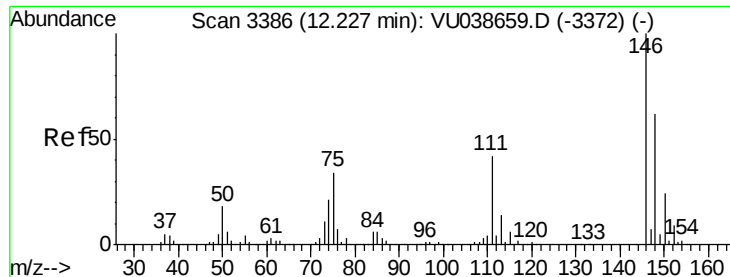
#63
 1,4-Dichlorobenzene
 Concen: 4.364 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038669.D
 Acq: 08 Jun 2020 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	27.6	51.2
148	64.8	44.8	83.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

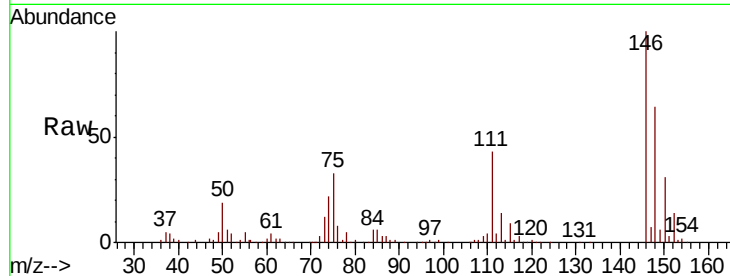




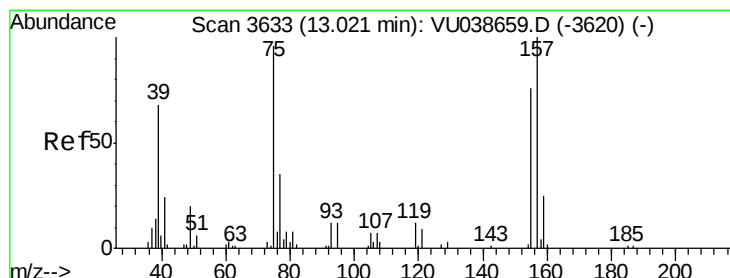
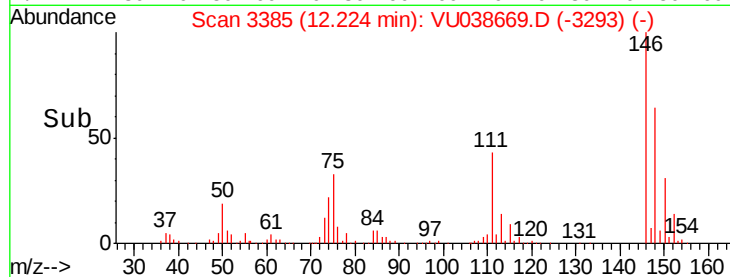
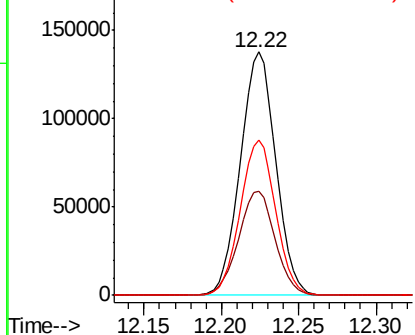
#65
 1,2-Dichlorobenzene
 Concen: 4.457 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038669.D
 Acq: 08 Jun 2020 14:42

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 219587
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.1 52.7
 148 63.7 50.9 76.3

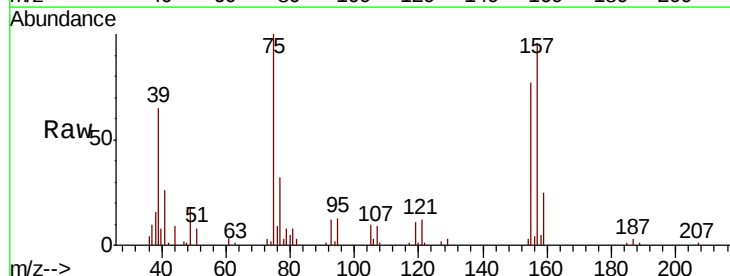


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

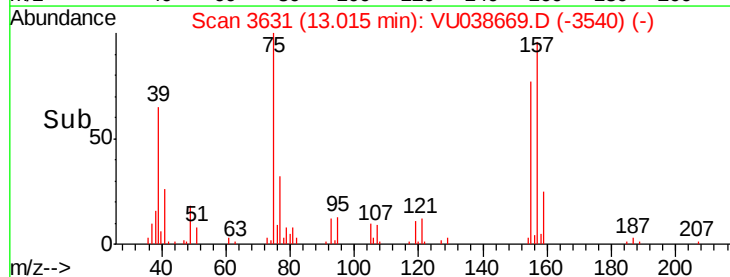
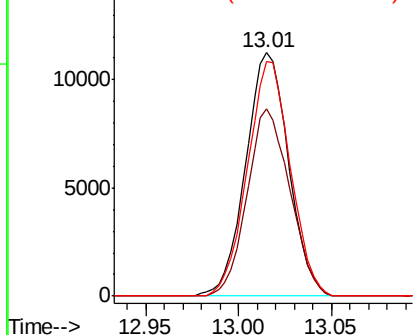


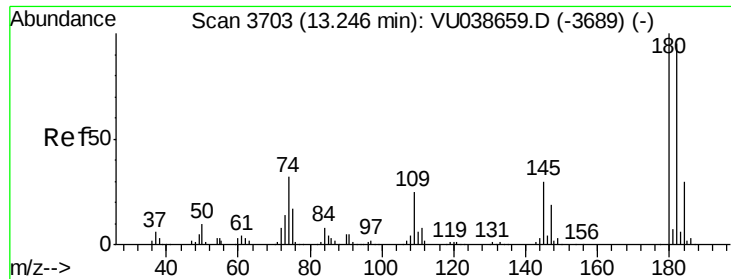
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.551 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.01 min
 Lab File: VU038669.D
 Acq: 08 Jun 2020 14:42

Tgt Ion: 75 Resp: 18152
 Ion Ratio Lower Upper
 75 100
 155 76.7 59.6 89.4
 157 96.3 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

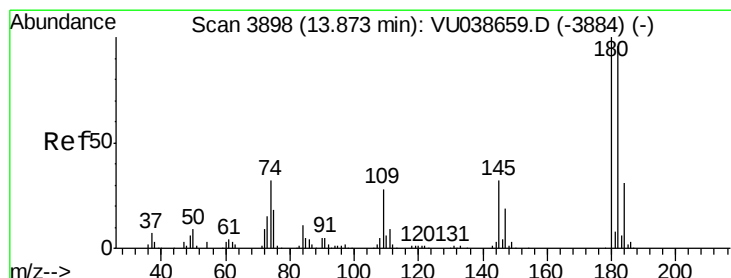
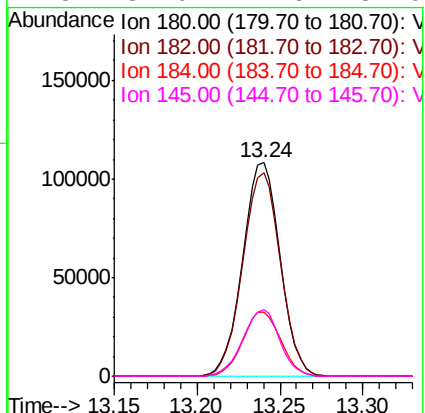
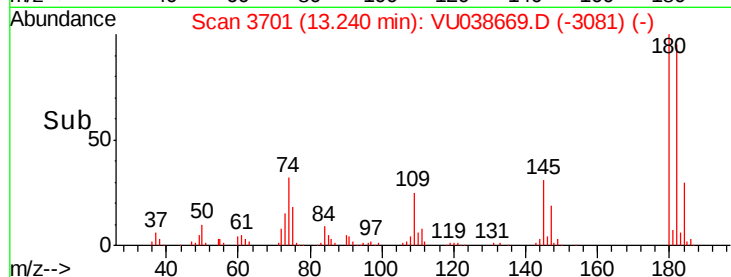
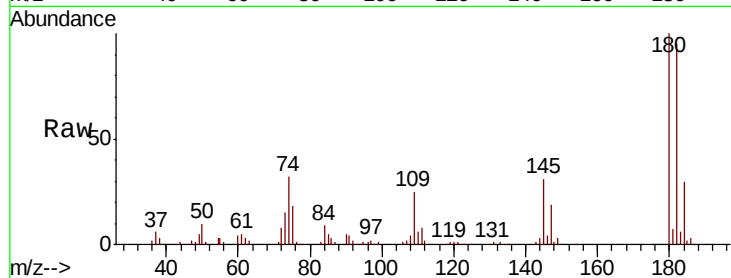




#67
 1,3,5-Trichlorobenzene
 Concen: 4.403 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU038669.D
 Acq: 08 Jun 2020 14:42

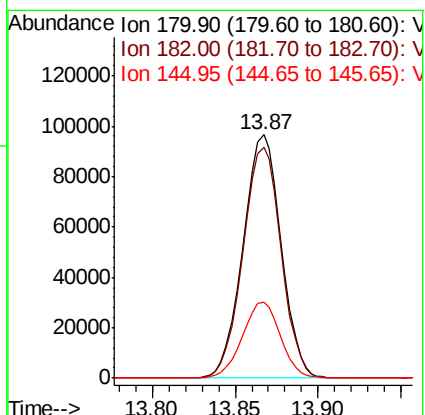
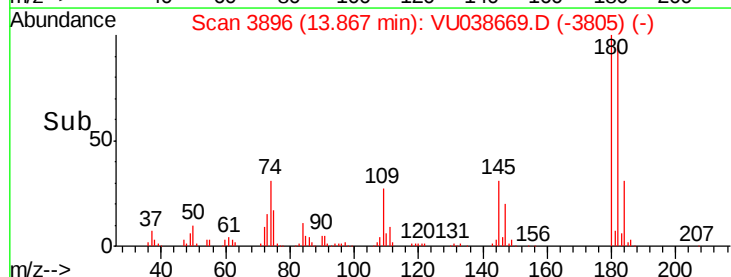
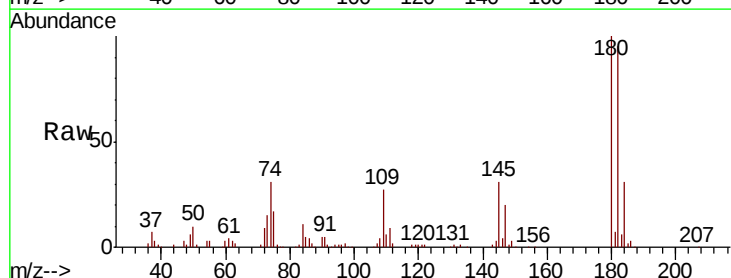
Instrument :
 MSVOA_U
 ClientSampleId :

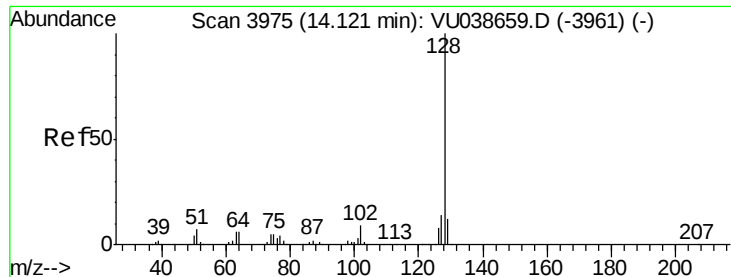
Tot Ion:180	Resp:	170407
Ion Ratio	Lower	Upper
180	100	
182	96.3	76.8 115.2
184	30.6	25.1 37.7
145	31.0	24.6 37.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.294 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU038669.D
 Acq: 08 Jun 2020 14:42

Tgt Ion:180	Resp:	153832
Ion Ratio	Lower	Upper
180	100	
182	95.4	75.8 113.8
145	31.2	25.3 37.9





#69

Naphthalene

Concen: 4.233 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

Instrument :

MSVOA_U

ClientSampleId :

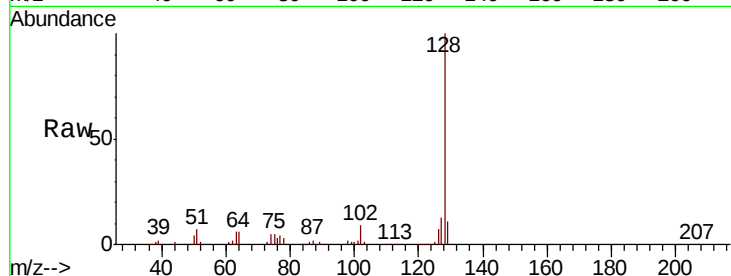
Tot Ion:128 Resp: 301810

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

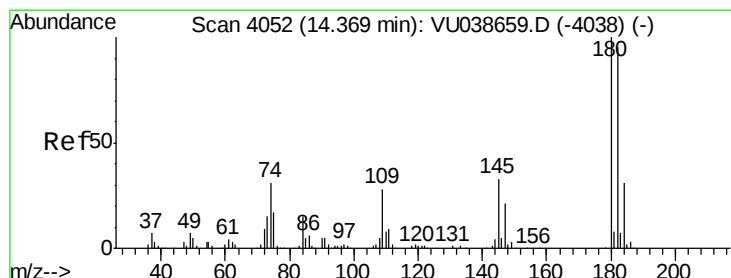
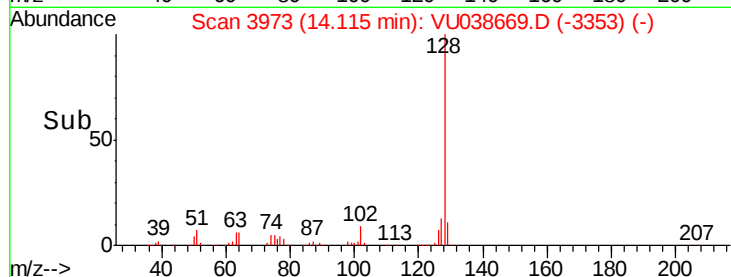
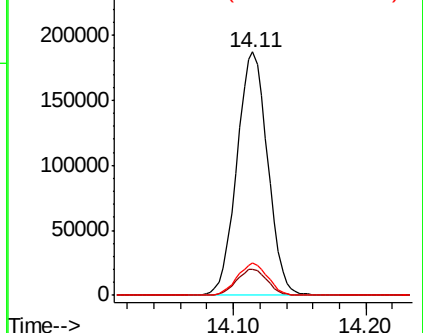
127 13.2 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.443 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038669.D

Acq: 08 Jun 2020 14:42

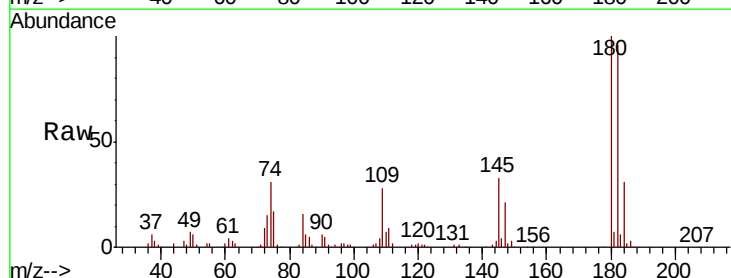
Tgt Ion:180 Resp: 144844

Ion Ratio Lower Upper

180 100

182 93.6 78.7 118.1

145 32.7 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

