

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061920\
 Data File : VU038989.D
 Acq On : 19 Jun 2020 17:12
 Operator : SY/MD
 Sample : VSTD02003
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Quant Time: Jun 19 17:29:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 19 17:18:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	283360	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	286244	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	155136	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	505015	24.29	ug/L	0.00
7) Chloroethane-d5	1.93	69	360573	21.22	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	914992	22.10	ug/L	0.00
20) 2-Butanone-d5	4.67	46	1621311	246.11	ug/L	0.00
24) Chloroform-d	5.10	84	879639	21.75	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	501118	21.36	ug/L	0.00
32) Benzene-d6	5.76	84	1755709	22.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	548303	22.75	ug/L	0.00
41) Toluene-d8	7.92	98	1563521	21.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	258078	22.50	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	1301525	233.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	519997	23.14	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	631479	21.27	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	532405	19.484 ug/L	99
3) Chloromethane	1.54	50	523693	19.432 ug/L	98
5) Vinyl chloride	1.62	62	544384	20.142 ug/L	100
6) Bromomethane	1.88	94	233055	16.389 ug/L	96
8) Chloroethane	1.95	64	302539	17.901 ug/L	99
9) Trichlorofluoromethane	2.16	101	701258	17.375 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	411885	19.219 ug/L	98
12) 1,1-Dichloroethene	2.60	96	400413	19.844 ug/L	95
13) Acetone	2.67	43	907191	203.552 ug/L	100
14) Carbon disulfide	2.82	76	1343698	19.542 ug/L	100
15) Methyl Acetate	2.98	43	227055	20.555 ug/L	97
16) Methylene chloride	3.08	84	449641	19.111 ug/L	99
17) Methyl tert-butyl Ether	3.40	73	1137175	21.319 ug/L	100
18) trans-1,2-Dichloroethene	3.38	96	424630	19.911 ug/L	99
19) 1,1-Dichloroethane	3.91	63	809769	20.675 ug/L	98
21) 2-Butanone	4.75	43	1594646	227.019 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	465041	21.235 ug/L	99
23) Bromochloromethane	5.02	128	204350	19.790 ug/L	95
25) Chloroform	5.12	83	795343	20.086 ug/L	98
27) 1,2-Dichloroethane	5.83	62	568163	19.738 ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	698802	19.489 ug/L	99
30) Cyclohexane	5.42	56	745426	21.589 ug/L	99
31) Carbon tetrachloride	5.56	117	577326	18.344 ug/L	99
33) Benzene	5.81	78	1781326	20.335 ug/L	100
34) Trichloroethene	6.57	95	438061	19.934 ug/L	99
35) Methylcyclohexane	6.79	83	769903	21.915 ug/L	99
37) 1,2-Dichloropropane	6.82	63	472629	20.584 ug/L	100
38) Bromodichloromethane	7.13	83	593008	19.384 ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	814535	23.584 ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	3713146	219.241 ug/L	95

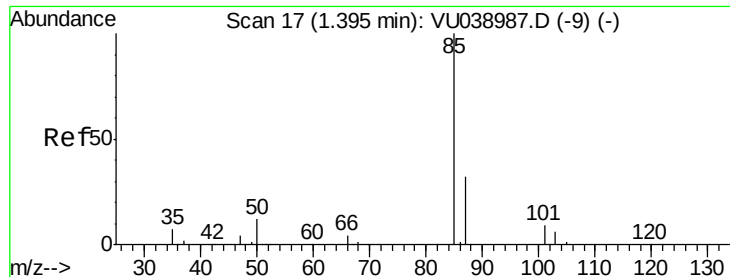
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	1879315	20.133	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	661349	20.611	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	353987	20.198	ug/L	99
47) Tetrachloroethene	8.57	164	328364	19.336	ug/L	98
48) 2-Hexanone	8.71	43	2826864	233.506	ug/L	98
49) Dibromochloromethane	8.83	129	404659	20.273	ug/L	99
50) 1,2-Dibromoethane	8.94	107	338122	20.006	ug/L	99
51) Chlorobenzene	9.47	112	1175998	20.168	ug/L	99
52) Ethylbenzene	9.59	91	2523153	26.004	ug/L	100
53) m,p-Xylene	9.71	106	964857	25.756	ug/L	99
54) o-Xylene	10.11	106	927425	25.843	ug/L	98
55) Styrene	10.13	104	1634478	26.425	ug/L	99
56) Isopropylbenzene	10.50	105	2221876	23.262	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	478823	20.530	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	357661	20.869	ug/L	99
61) Bromoform	10.31	173	281044	22.515	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	973592	19.907	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	986072	19.684	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	944193	19.622	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	89973	19.209	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	755188	19.308	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	698888	19.798	ug/L	99
69) Naphthalene	14.11	128	1431613	21.185	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	638532	19.090	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 19.484 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

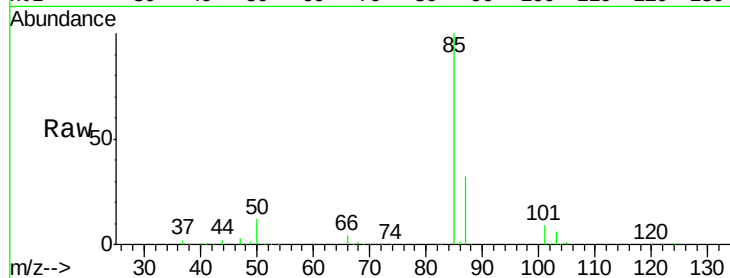
VSTD02003

Tgt Ion: 85 Resp: 532405

Ion Ratio Lower Upper

85 100

87 32.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038989.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038989.D (-9) (-)

600000

500000

400000

300000

200000

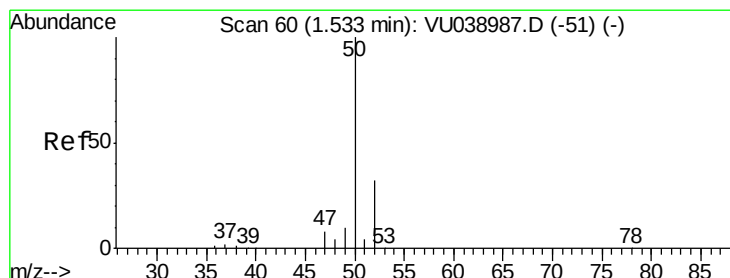
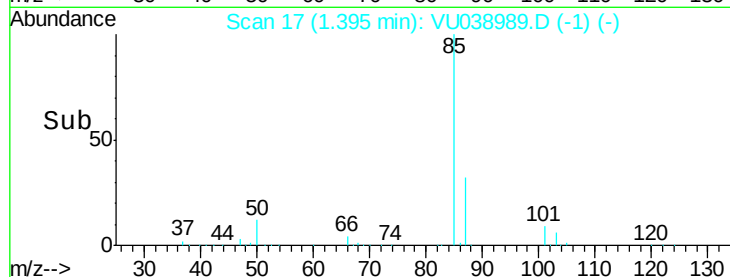
100000

0

1.39

1.35 1.40 1.45 1.50

Time-->



#3

Chloromethane

Concen: 19.432 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU038989.D

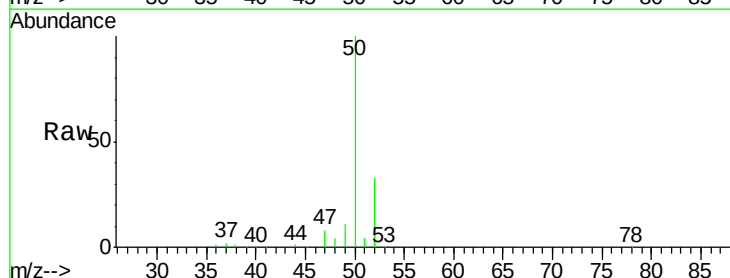
Acq: 19 Jun 2020 17:12

Tgt Ion: 50 Resp: 523693

Ion Ratio Lower Upper

50 100

52 32.9 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU038989.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038989.D (-51) (-)

500000

400000

300000

200000

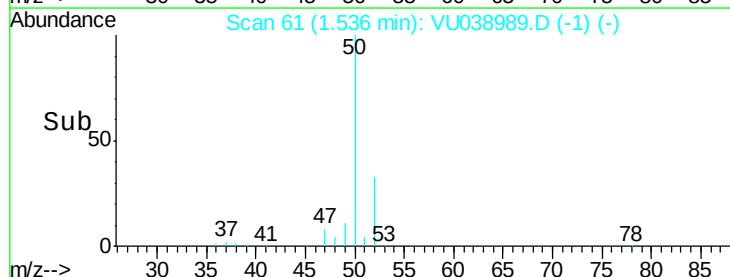
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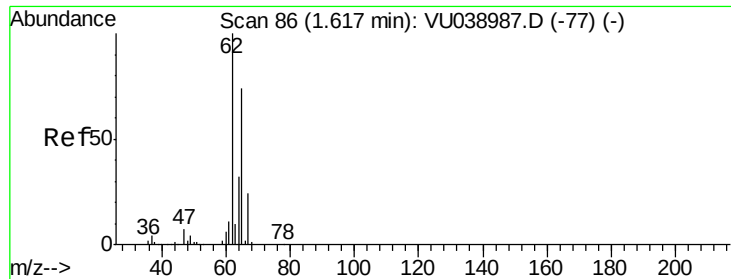
0

1.54

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 20.142 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

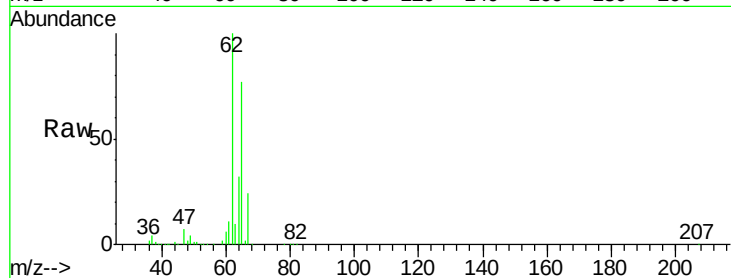
VSTD02003

Tgt Ion: 62 Resp: 544384

Ion Ratio Lower Upper

62 100

64 32.4 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU038989.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038989.D (-77) (-)

1.62

500000

400000

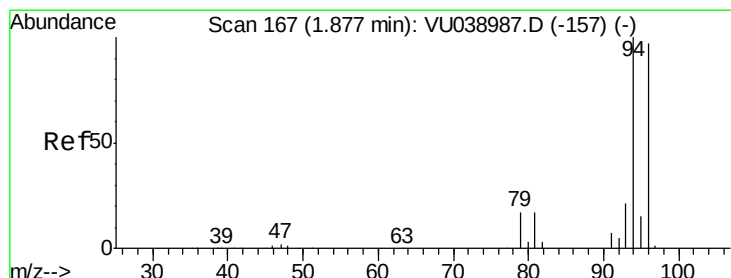
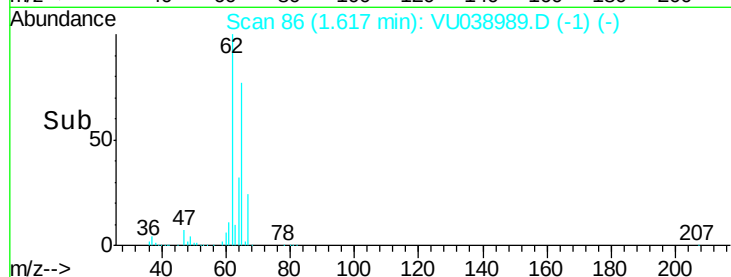
300000

200000

100000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 16.389 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU038989.D

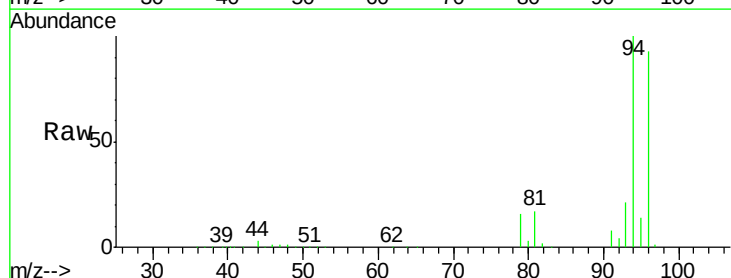
Acq: 19 Jun 2020 17:12

Tgt Ion: 94 Resp: 233055

Ion Ratio Lower Upper

94 100

96 92.8 68.0 126.4



Abundance Ion 94.00 (93.70 to 94.70): VU038989.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU038989.D (-157) (-)

1.88

200000

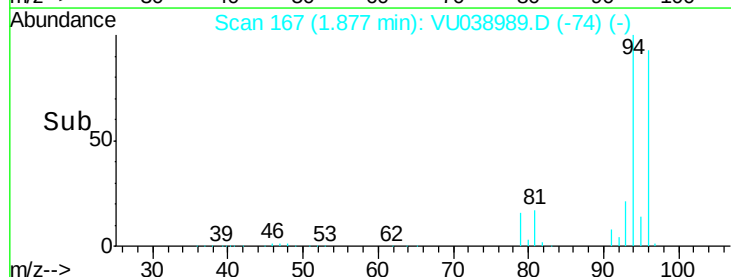
150000

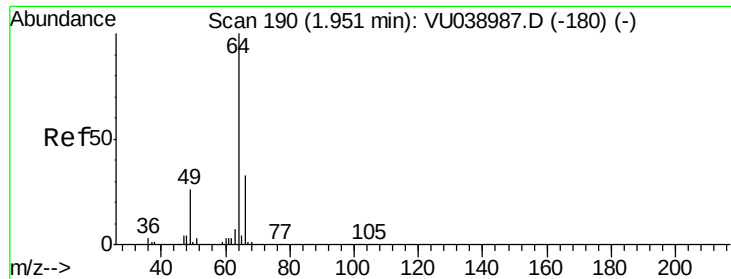
100000

50000

0

Time--> 1.80 1.85 1.90 1.95

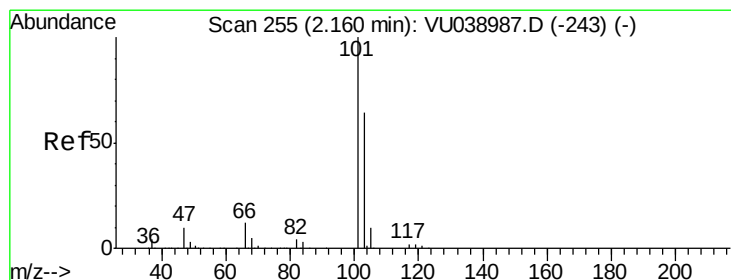
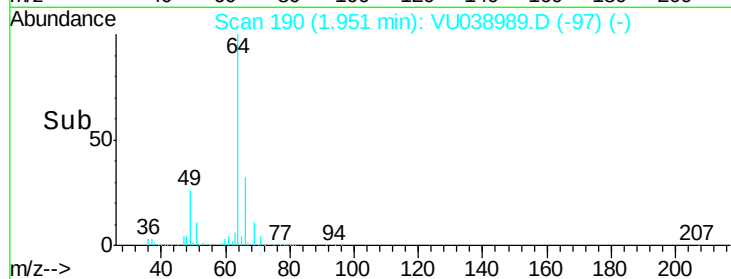
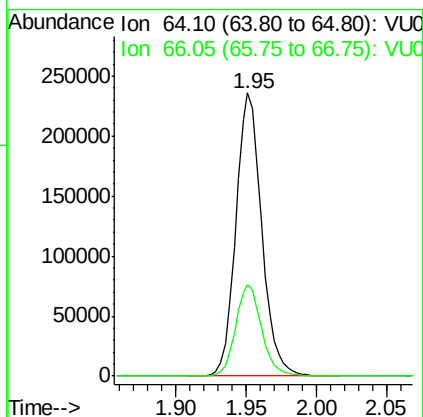
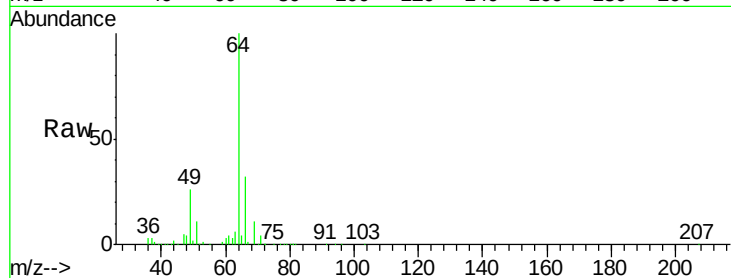




#8
Chloroethane
Concen: 17.901 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

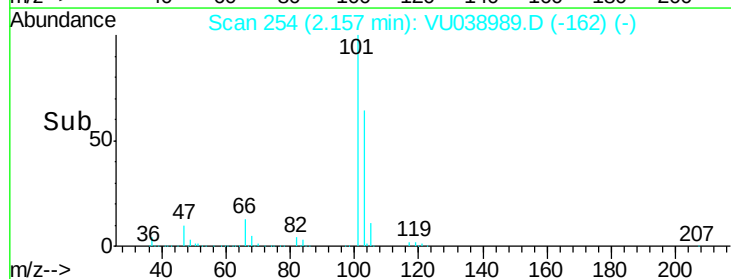
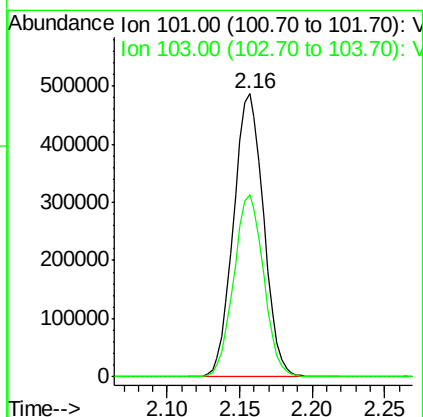
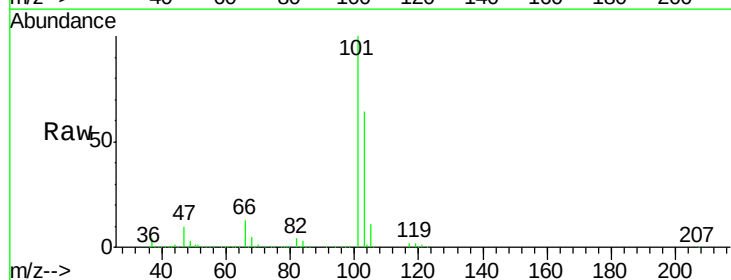
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

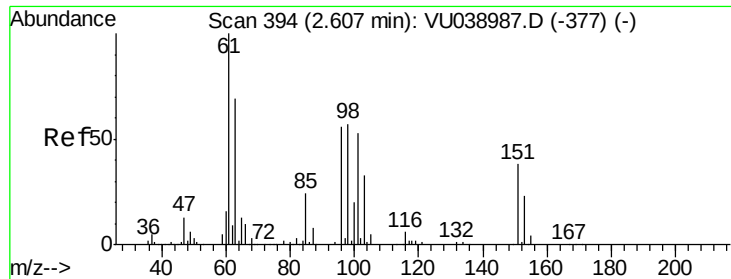
Tgt Ion: 64 Resp: 302539
Ion Ratio Lower Upper
64 100
66 32.5 23.2 43.2



#9
Trichlorofluoromethane
Concen: 17.375 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

Tgt Ion: 101 Resp: 701258
Ion Ratio Lower Upper
101 100
103 63.7 51.1 76.7





#10

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

Concen: 19.219 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

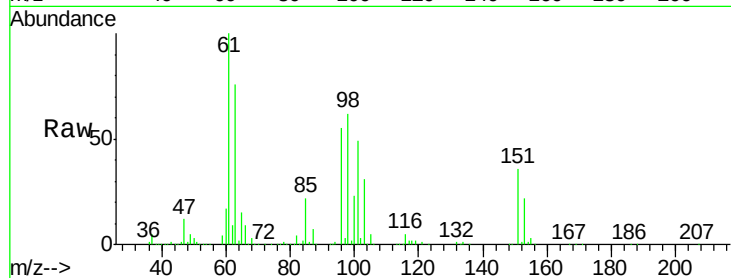
Tgt Ion:101 Resp: 411885

Ion Ratio Lower Upper

101 100

85 44.2 36.1 54.1

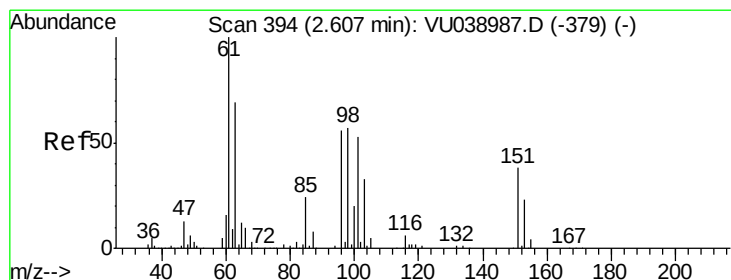
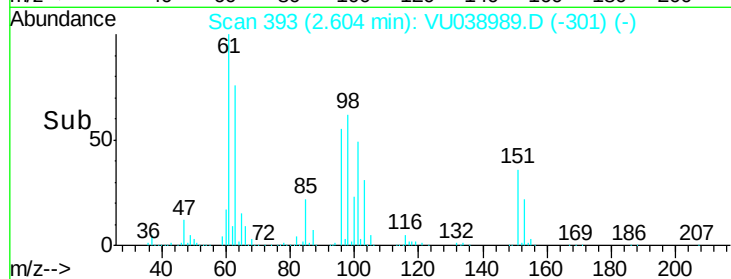
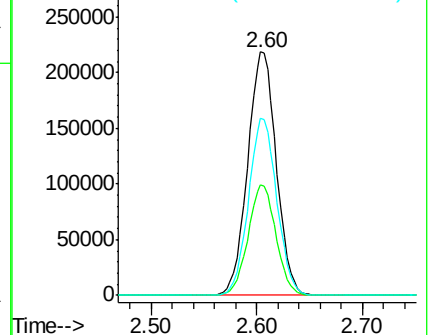
151 72.0 56.2 84.4



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: 19.844 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

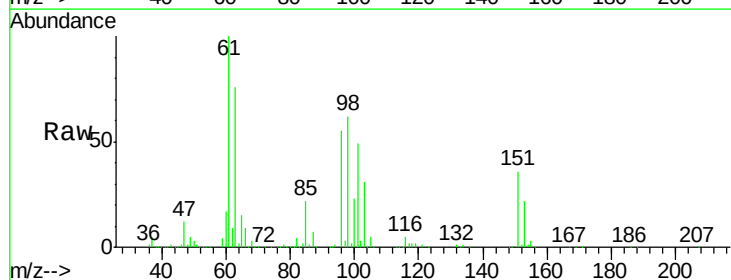
Tgt Ion: 96 Resp: 400413

Ion Ratio Lower Upper

96 100

61 181.1 126.0 234.0

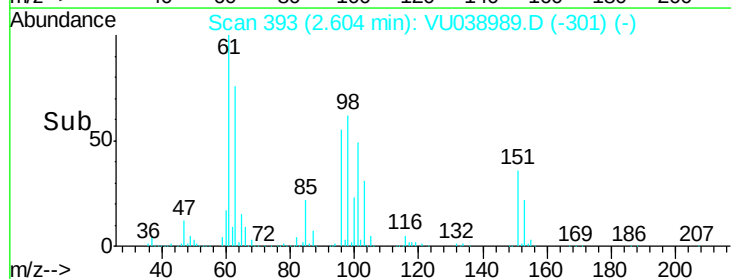
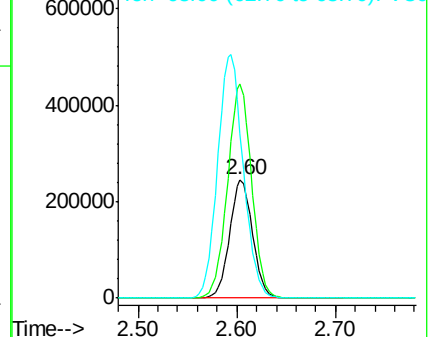
63 138.5 87.2 162.0

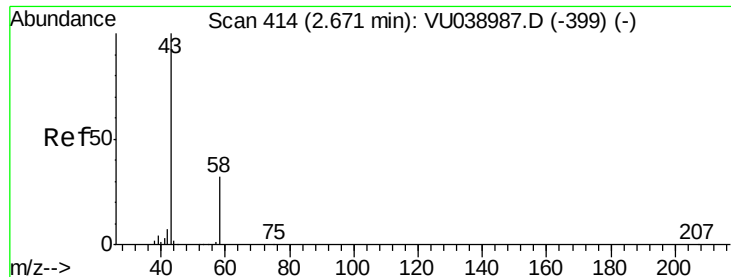


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 203.552 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

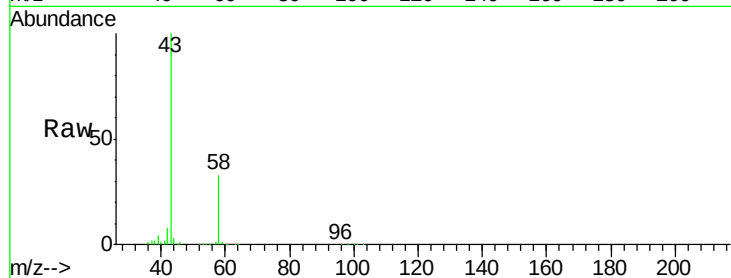
VSTD02003

Tgt Ion: 43 Resp: 907191

Ion Ratio Lower Upper

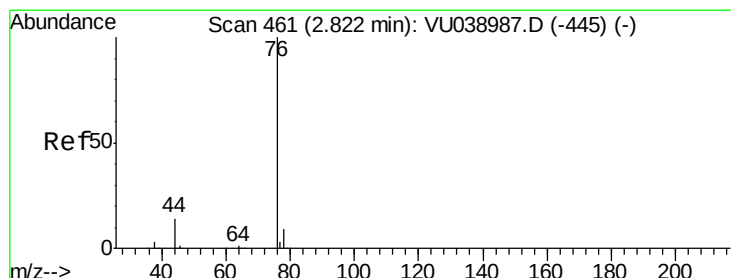
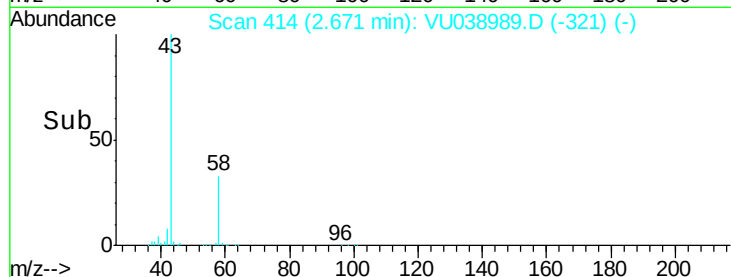
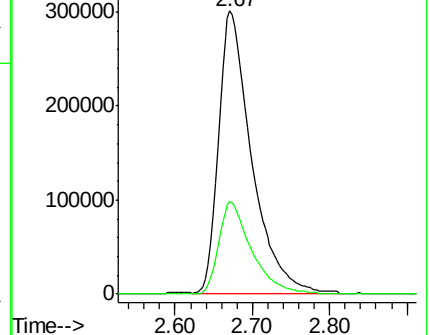
43 100

58 32.4 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU038989.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU038989.D (-321) (-)



#14

Carbon disulfide

Concen: 19.542 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038989.D

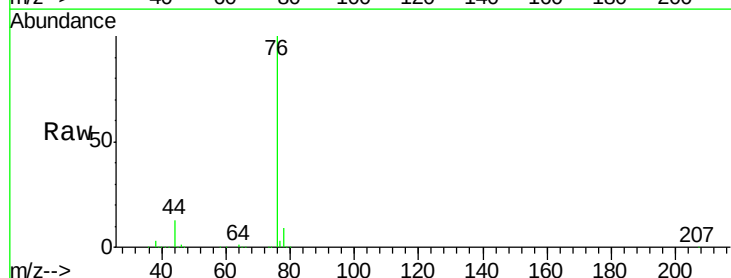
Acq: 19 Jun 2020 17:12

Tgt Ion: 76 Resp: 1343698

Ion Ratio Lower Upper

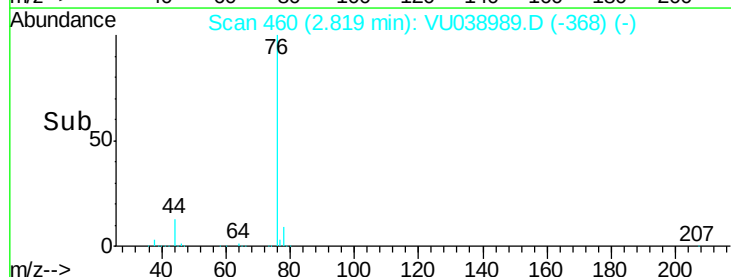
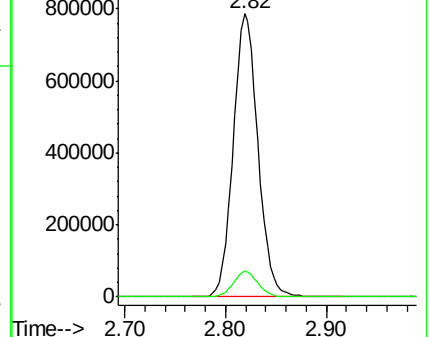
76 100

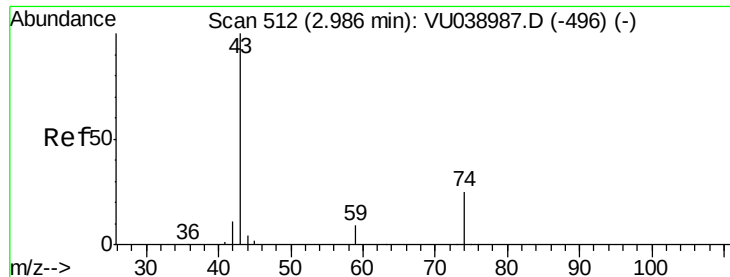
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU038989.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU038989.D (-368) (-)





#15

Methyl Acetate

Concen: 20.555 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

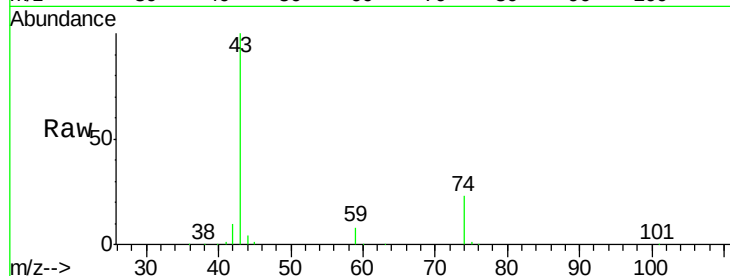
VSTD02003

Tgt Ion: 43 Resp: 227055

Ion Ratio Lower Upper

43 100

74 22.7 19.3 28.9



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.98

120000

100000

80000

60000

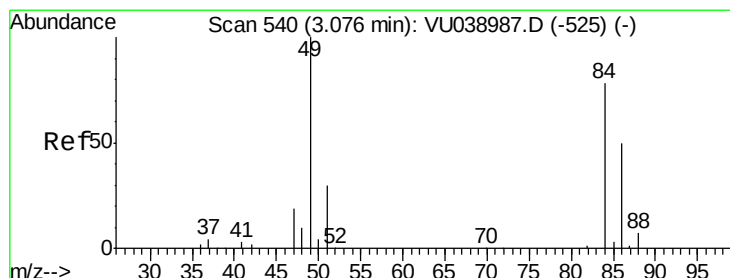
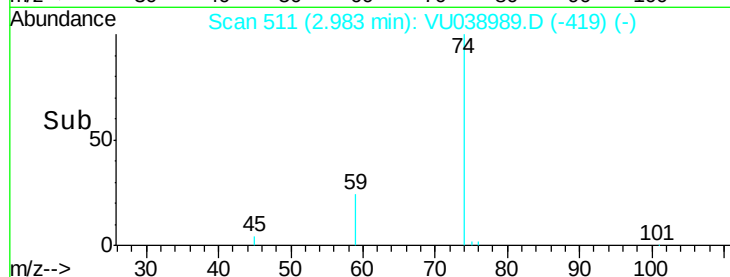
40000

20000

0

Time-->

2.90 3.00 3.10



#16

Methylene chloride

Concen: 19.111 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

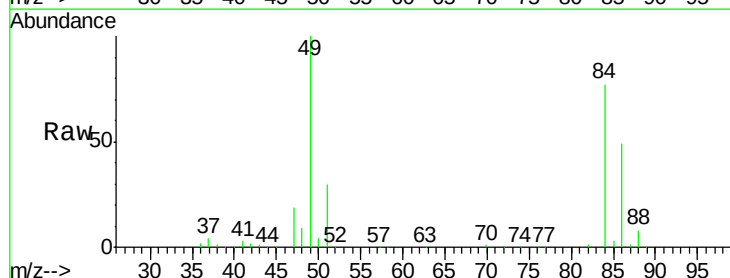
Tgt Ion: 84 Resp: 449641

Ion Ratio Lower Upper

84 100

86 64.0 45.1 83.7

49 129.6 90.3 167.7



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

400000

300000

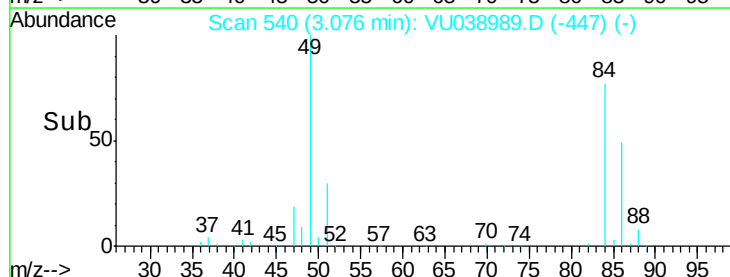
200000

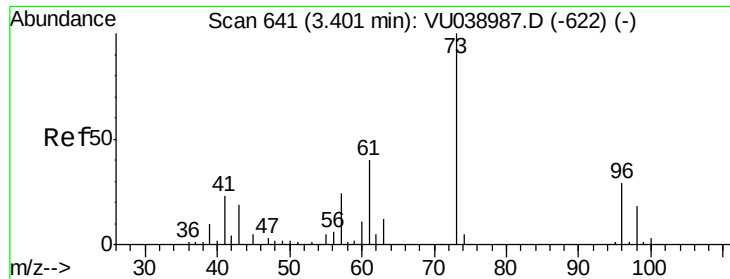
100000

0

Time-->

3.00 3.10 3.20

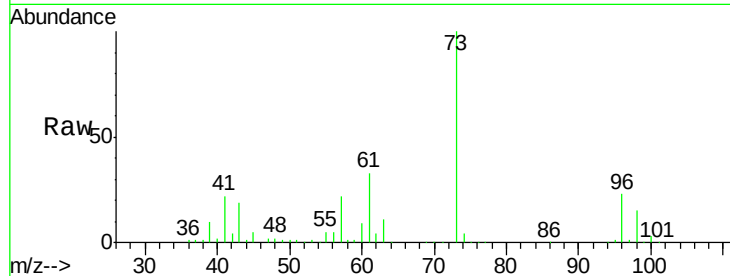




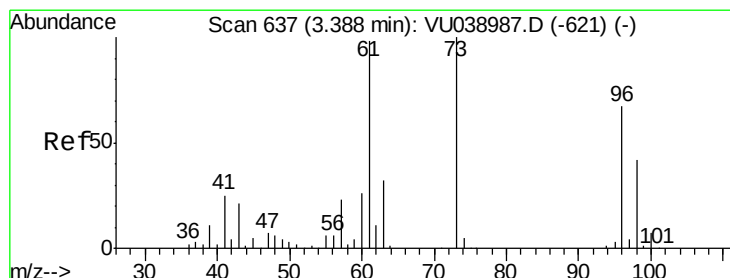
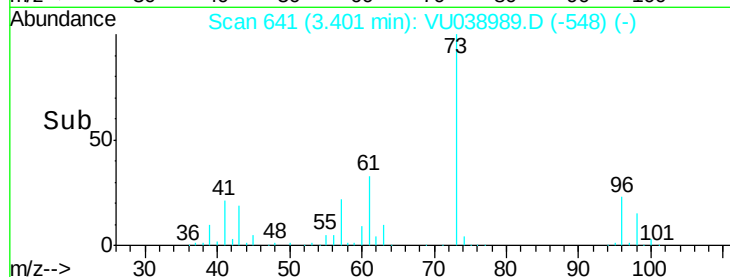
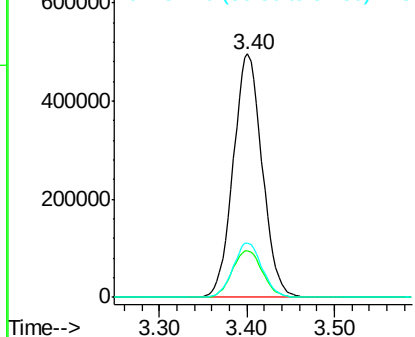
#17
Methyl tert-butyl Ether
Concen: 21.319 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tgt Ion: 73 Resp: 1137175
Ion Ratio Lower Upper
73 100
43 20.1 16.3 24.5
57 22.5 18.1 27.1

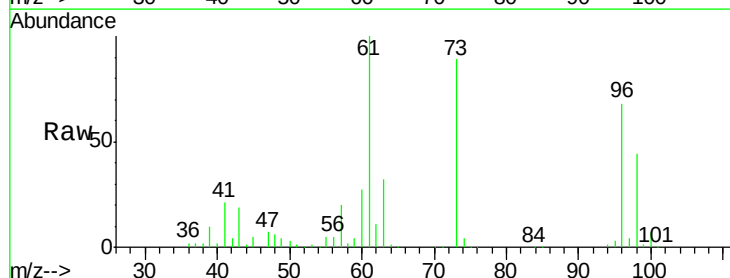


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

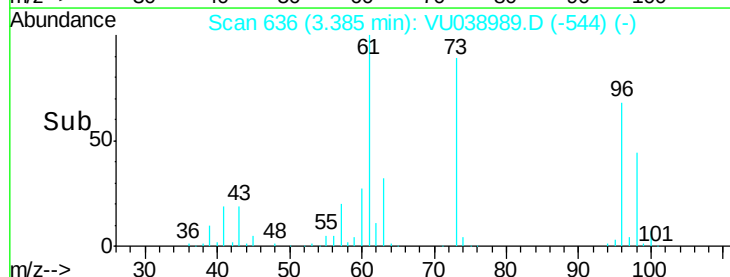
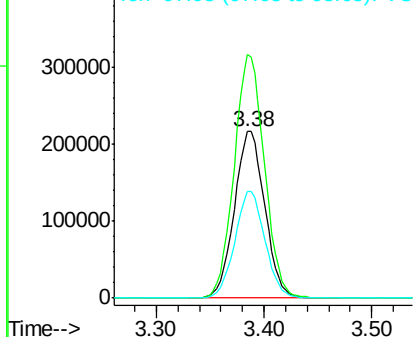


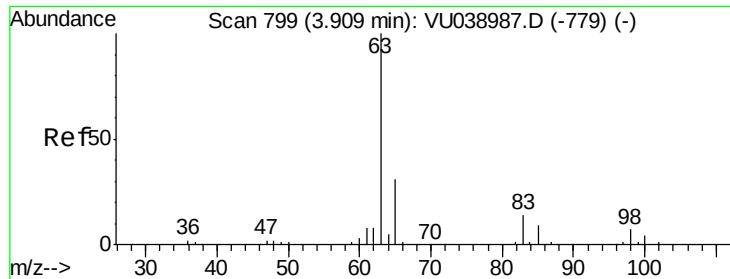
#18
trans-1,2-Dichloroethene
Concen: 19.911 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

Tgt Ion: 96 Resp: 424630
Ion Ratio Lower Upper
96 100
61 146.4 101.8 189.2
98 63.9 44.0 81.6



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

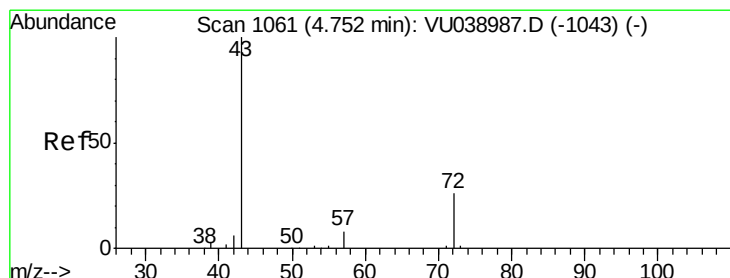
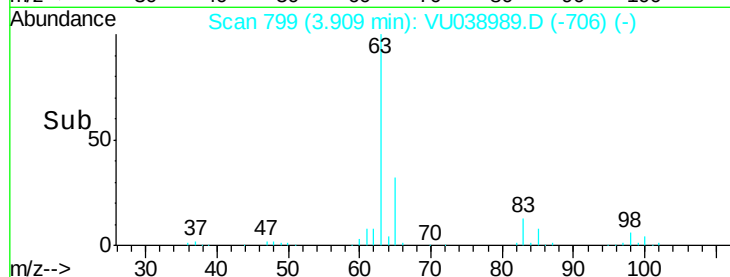
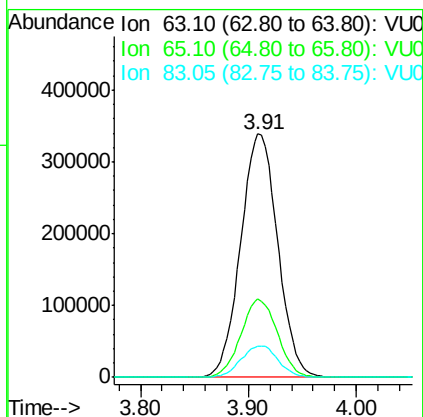
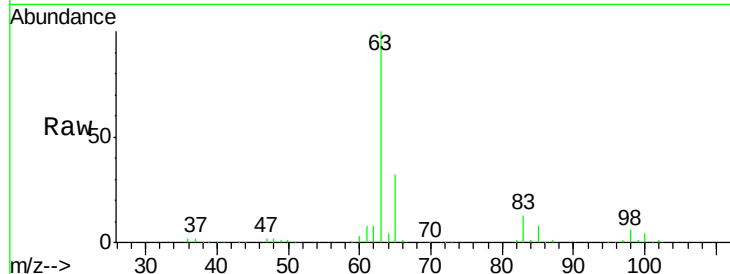




#19
 1,1-Dichloroethane
 Concen: 20.675 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038989.D
 Acq: 19 Jun 2020 17:12

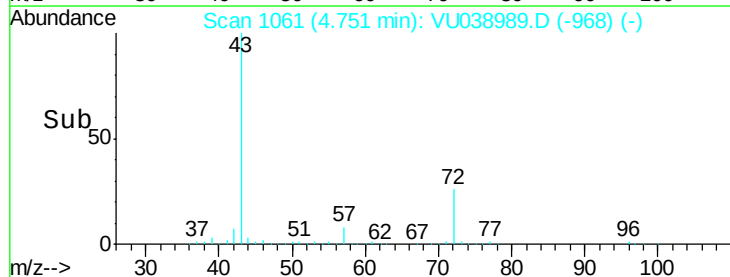
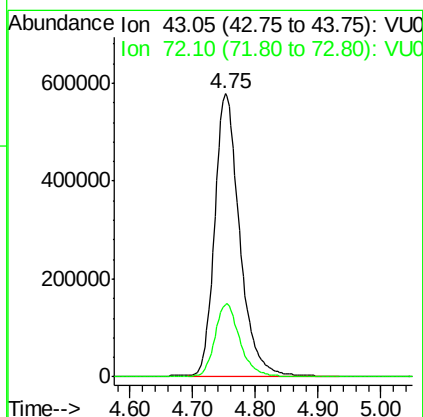
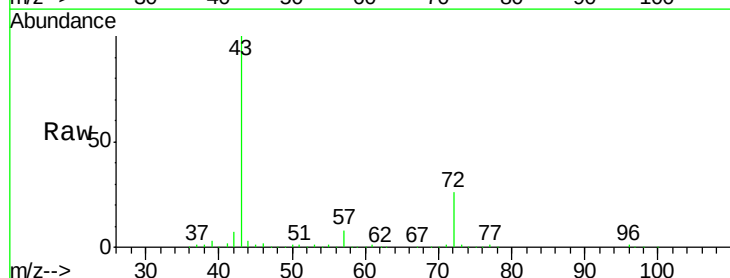
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

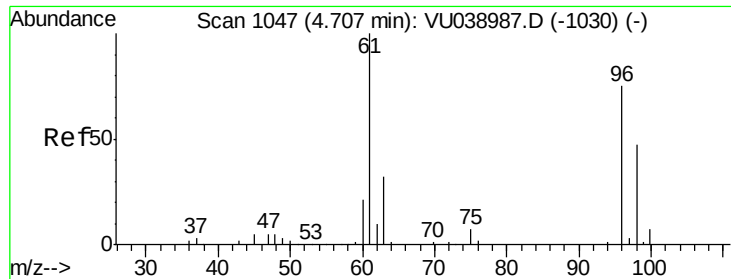
Tgt Ion: 63 Resp: 809769
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.5 39.9
 83 12.9 9.6 17.8



#21
 2-Butanone
 Concen: 227.019 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VU038989.D
 Acq: 19 Jun 2020 17:12

Tgt Ion: 43 Resp: 1594646
 Ion Ratio Lower Upper
 43 100
 72 26.2 13.0 38.9





#22

cis-1,2-Dichloroethene

Concen: 21.235 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

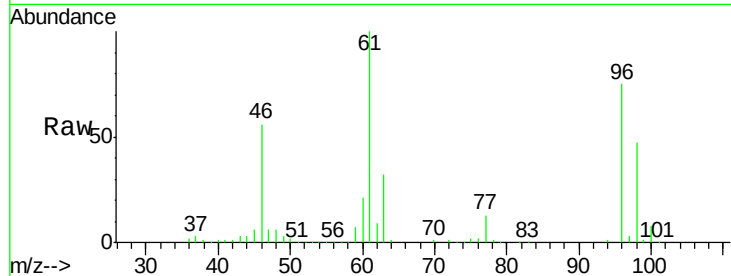
Tgt Ion: 96 Resp: 465041

Ion Ratio Lower Upper

96 100

61 133.3 94.0 174.6

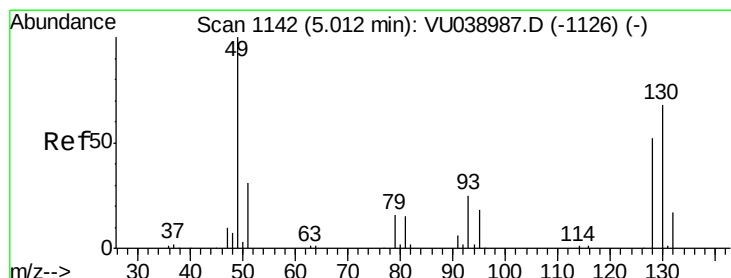
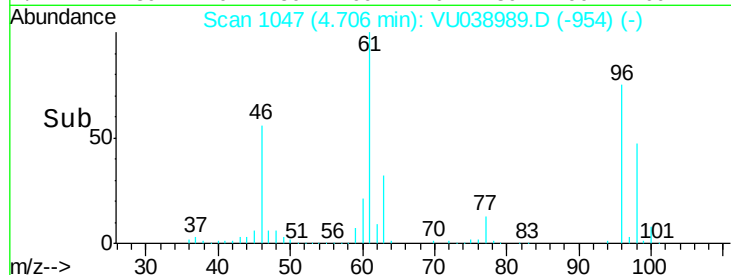
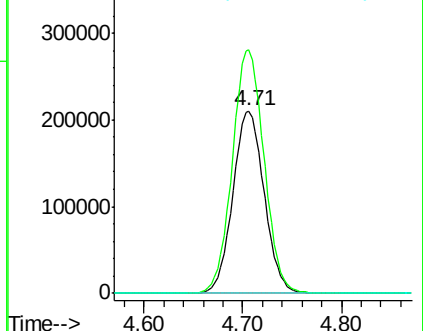
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038989.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU038989.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU038989.D (-1030) (-)



#23

Bromochloromethane

Concen: 19.790 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Tgt Ion: 128 Resp: 204350

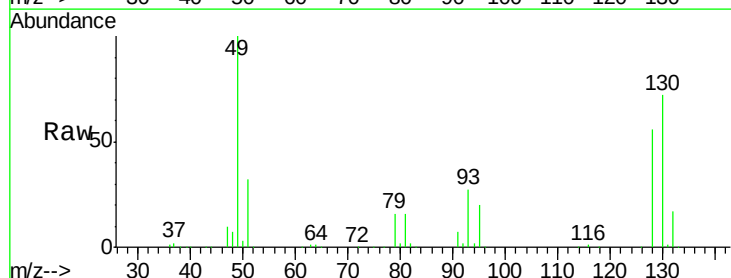
Ion Ratio Lower Upper

128 100

49 179.7 134.5 249.9

130 129.6 91.6 170.2

51 57.4 47.4 71.0

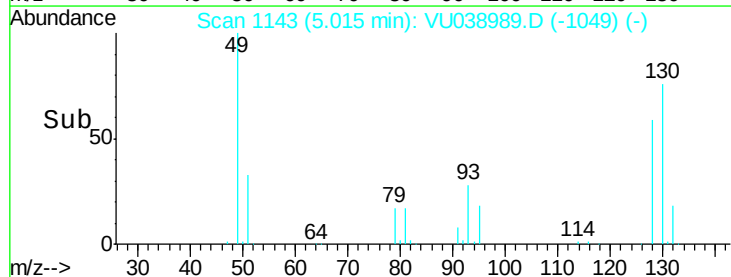
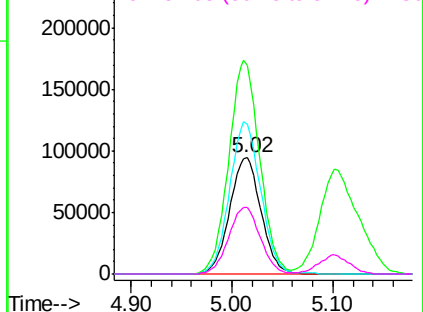


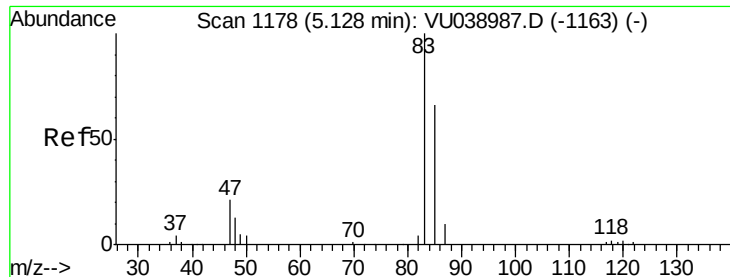
Abundance Ion 127.90 (127.60 to 128.60): VU038989.D (-1126) (-)

Ion 49.10 (48.80 to 49.80): VU038989.D (-1126) (-)

Ion 129.95 (129.65 to 130.65): VU038989.D (-1126) (-)

Ion 51.05 (50.75 to 51.75): VU038989.D (-1126) (-)

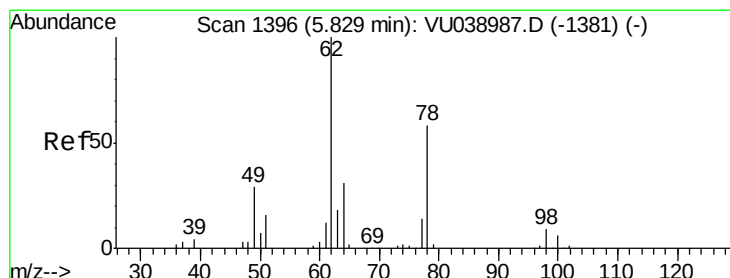
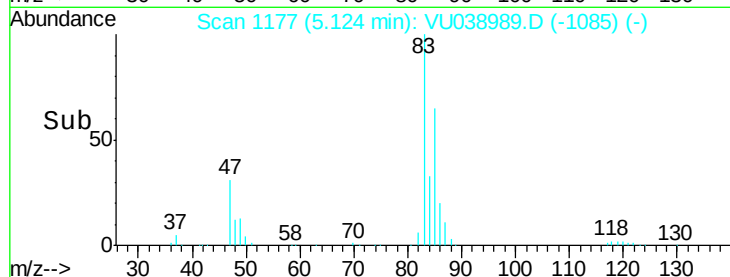
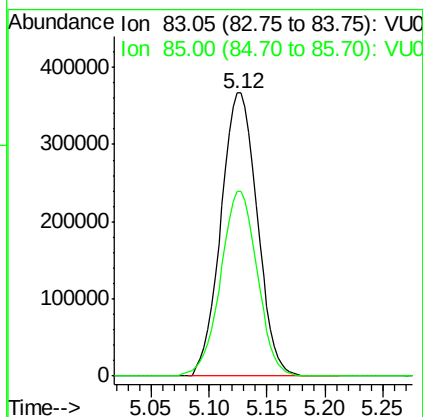
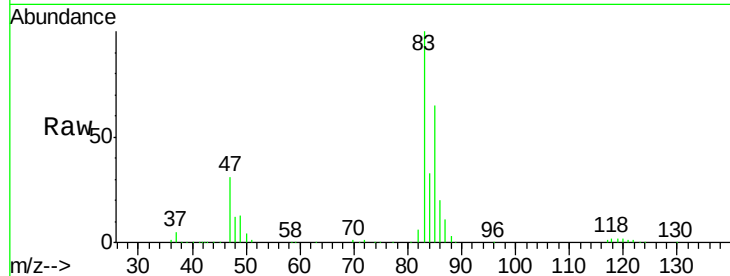




#25
Chloroform
Concen: 20.086 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

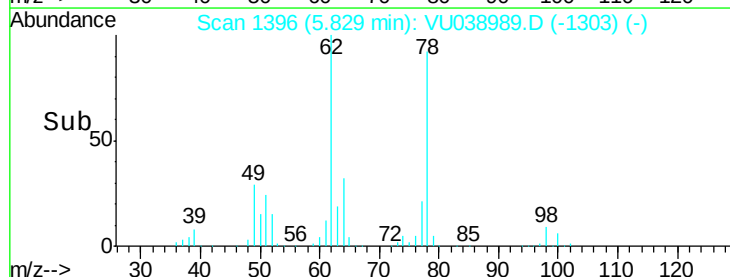
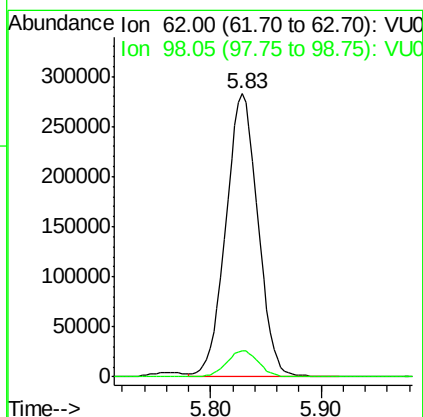
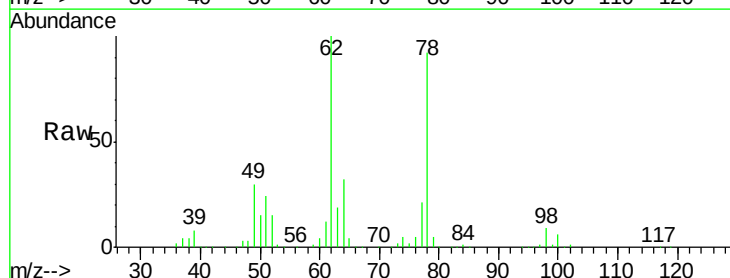
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

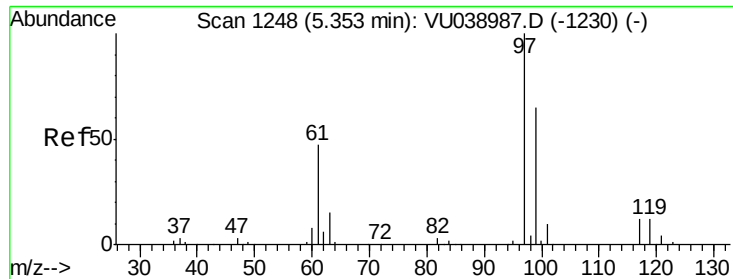
Tgt Ion: 83 Resp: 795343
Ion Ratio Lower Upper
83 100
85 65.4 47.0 87.2



#27
1,2-Dichloroethane
Concen: 19.738 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

Tgt Ion: 62 Resp: 568163
Ion Ratio Lower Upper
62 100
98 9.3 7.2 10.8

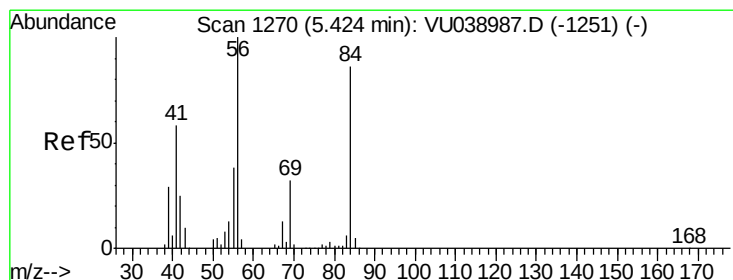
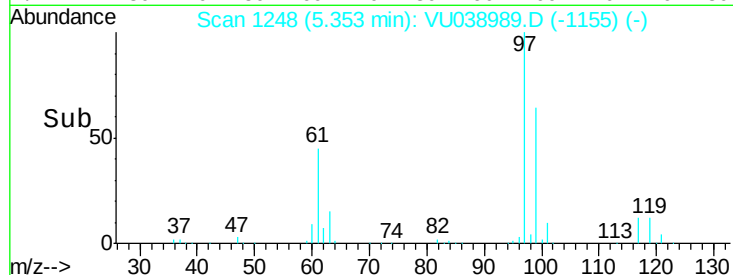
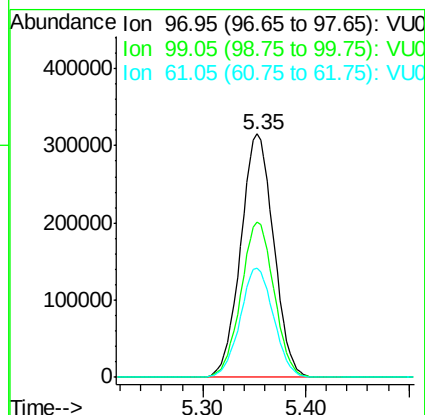
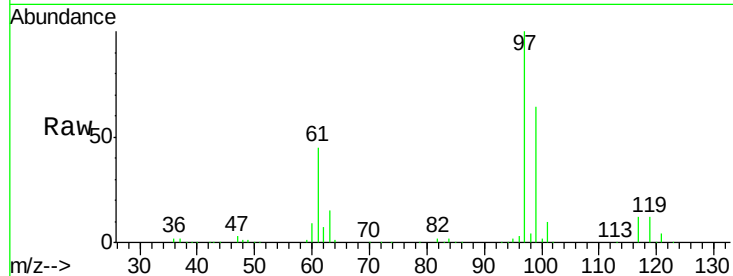




#29
 1,1,1-Trichloroethane
 Concen: 19.489 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038989.D
 Acq: 19 Jun 2020 17:12

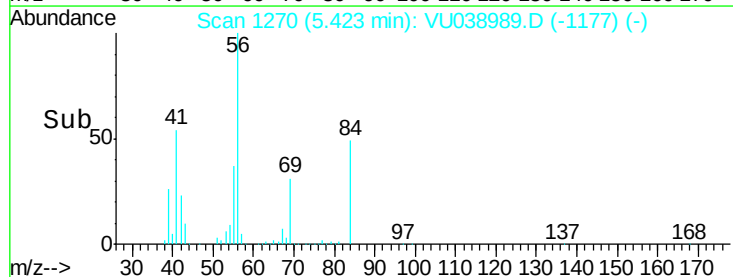
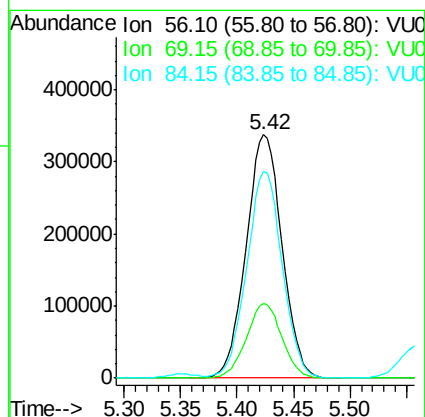
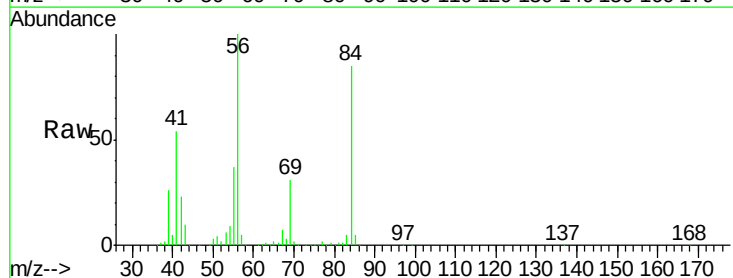
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

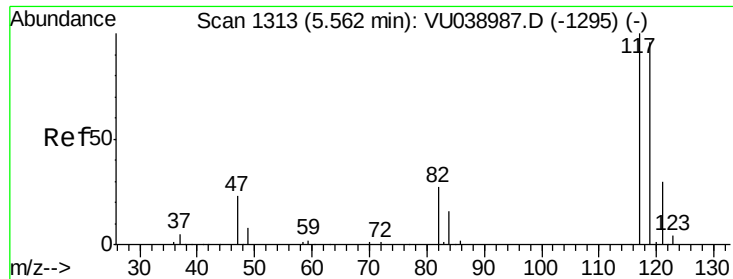
Tgt Ion: 97 Resp: 698802
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.2 78.4
 61 45.4 36.9 55.3



#30
 Cyclohexane
 Concen: 21.589 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038989.D
 Acq: 19 Jun 2020 17:12

Tgt Ion: 56 Resp: 745426
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.6 37.0
 84 83.9 66.8 100.2





#31

Carbon tetrachloride

Concen: 18.344 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

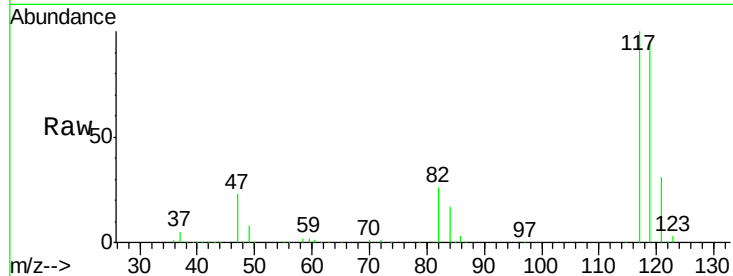
VSTD02003

Tgt Ion:117 Resp: 577326

Ion Ratio Lower Upper

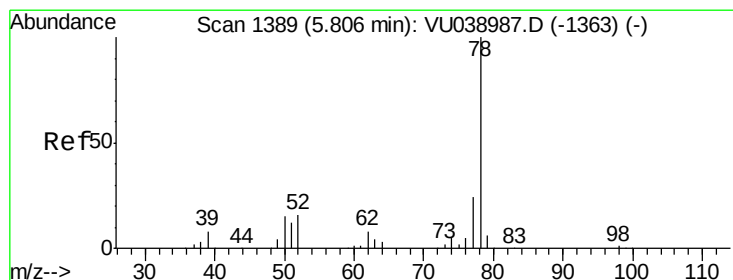
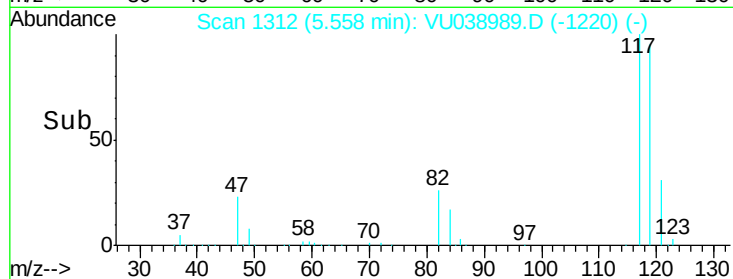
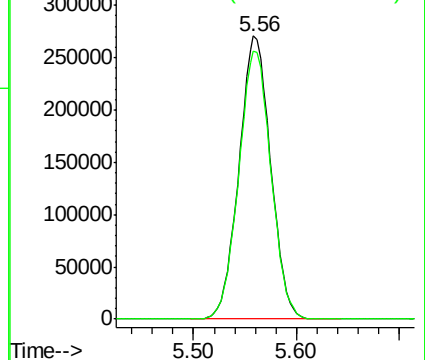
117 100

119 96.6 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 20.335 ug/L

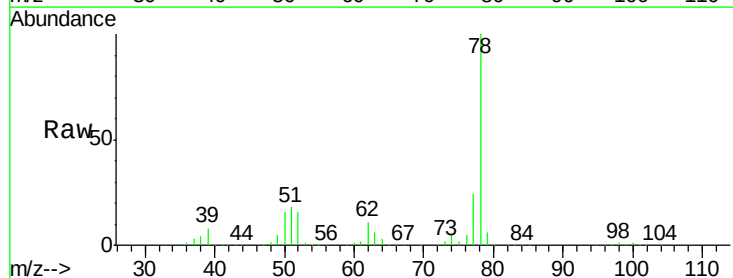
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

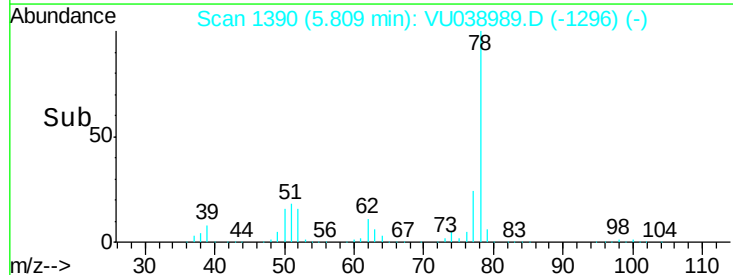
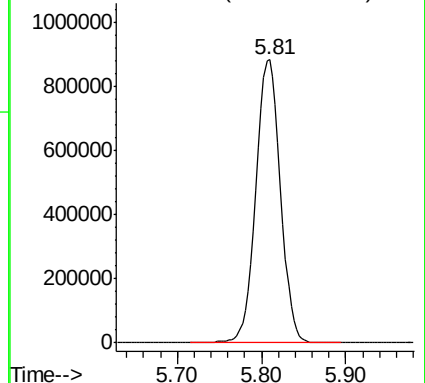
Lab File: VU038989.D

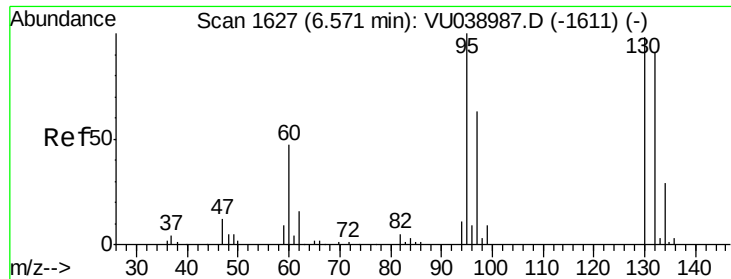
Acq: 19 Jun 2020 17:12

Tgt Ion: 78 Resp: 1781326



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 19.934 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

Tgt Ion: 95 Resp: 438061

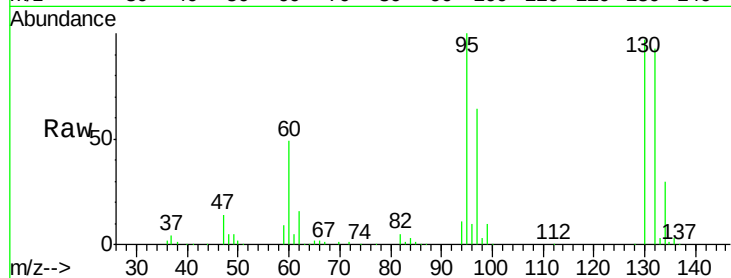
Ion Ratio Lower Upper

95 100

97 64.1 44.0 81.6

132 93.3 63.6 118.0

130 97.4 68.3 126.8

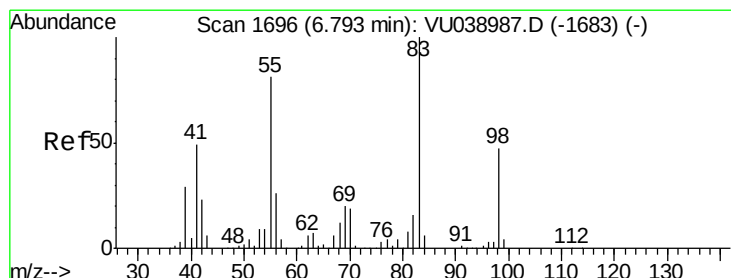
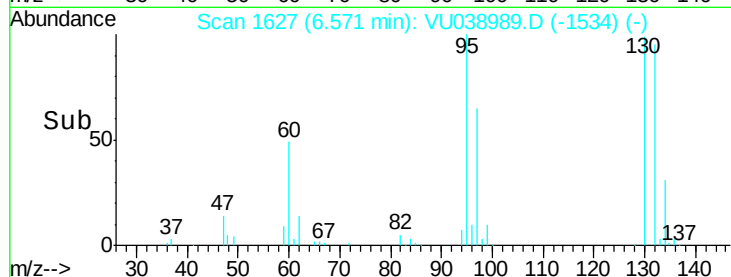
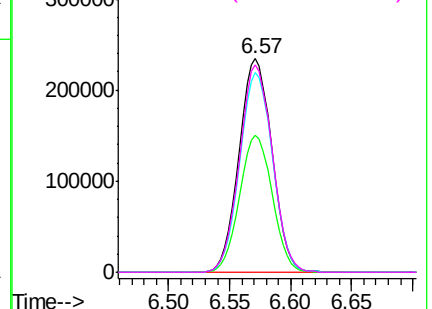


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 21.915 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

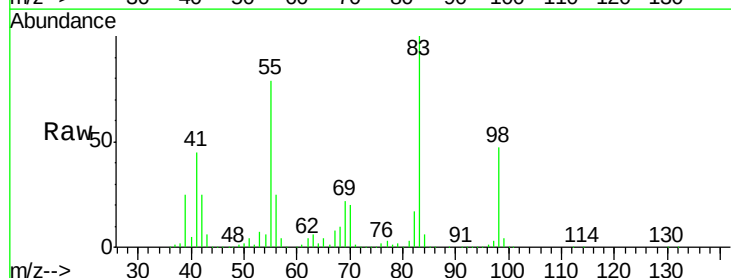
Tgt Ion: 83 Resp: 769903

Ion Ratio Lower Upper

83 100

55 78.8 64.2 96.2

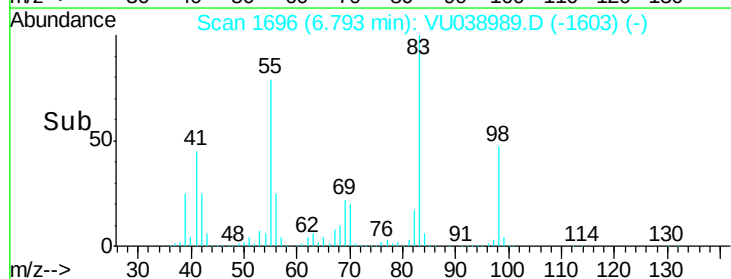
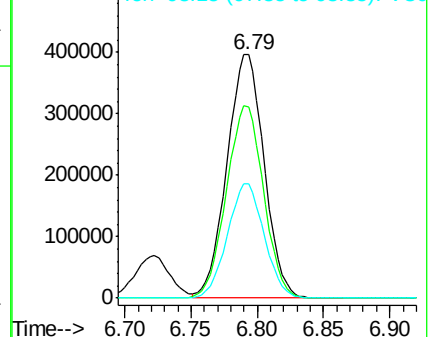
98 46.5 37.3 55.9

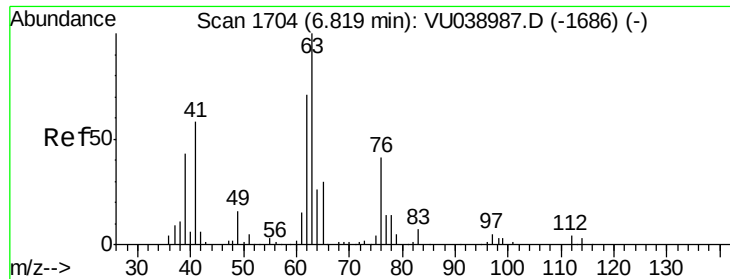


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

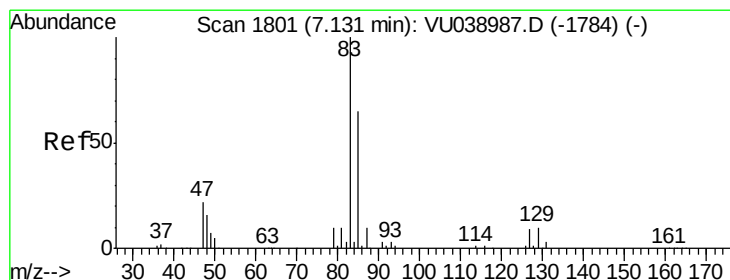
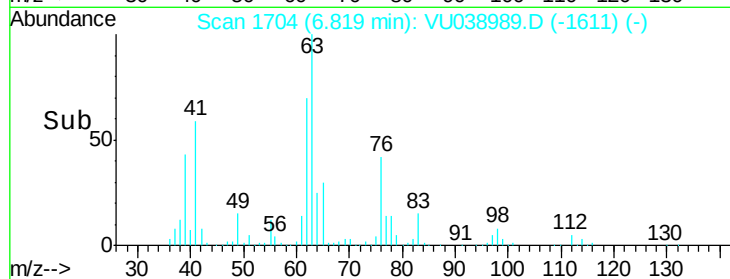
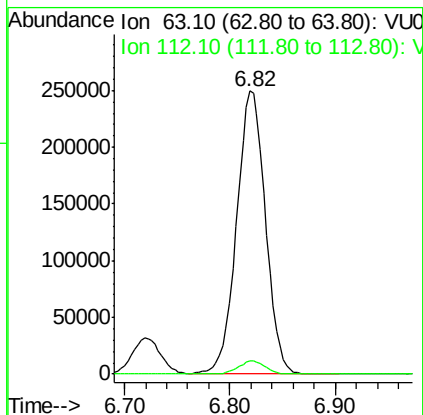
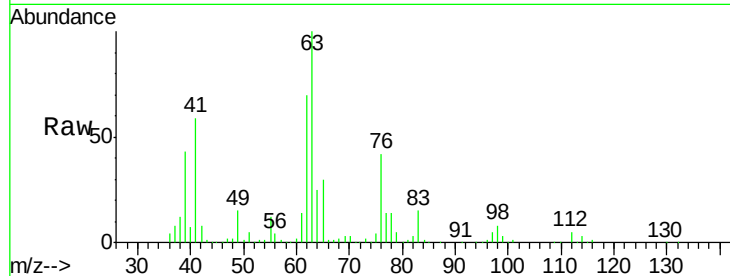




#37
 1,2-Dichloropropane
 Concen: 20.584 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038989.D
 Acq: 19 Jun 2020 17:12

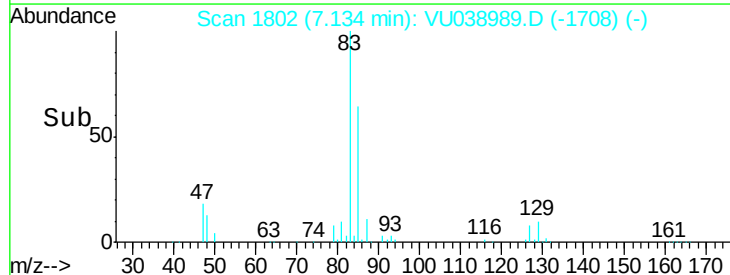
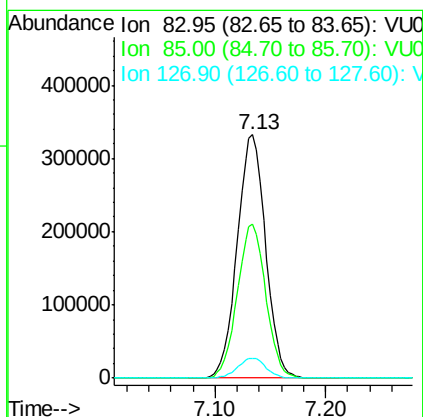
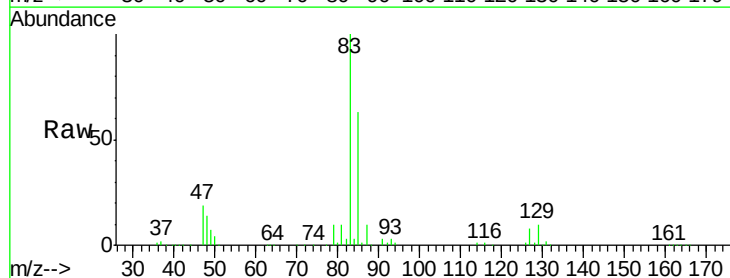
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

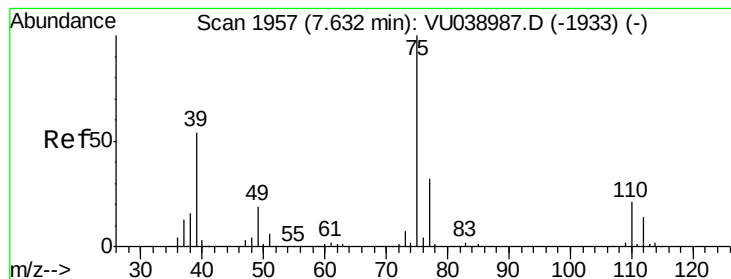
Tgt Ion: 63 Resp: 472629
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#38
 Bromodichloromethane
 Concen: 19.384 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038989.D
 Acq: 19 Jun 2020 17:12

Tgt Ion: 83 Resp: 593008
 Ion Ratio Lower Upper
 83 100
 85 63.3 45.5 84.5
 127 8.3 6.8 10.2



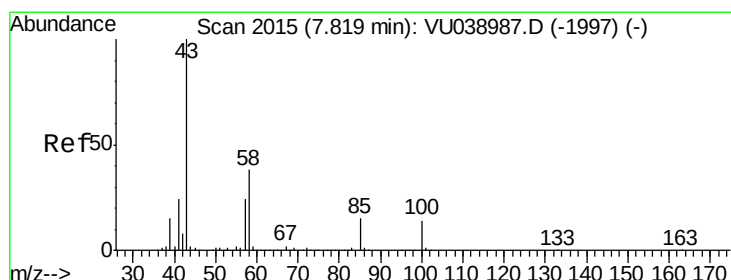
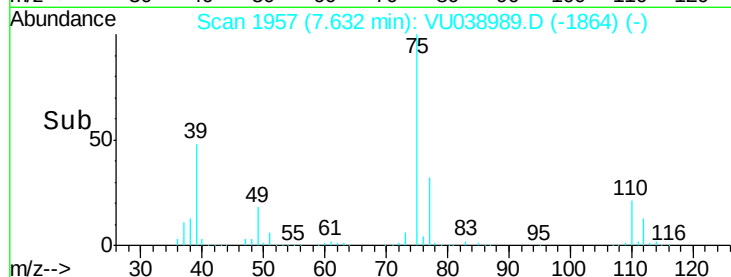
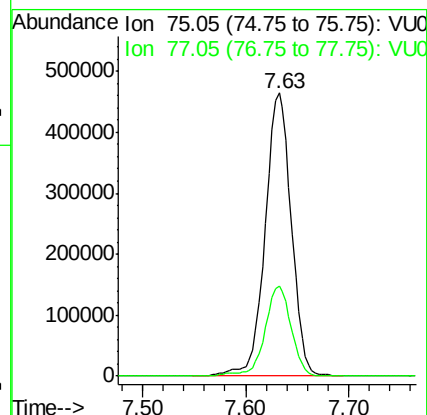
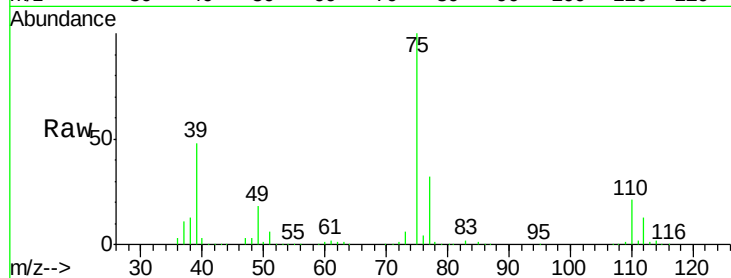


#39

cis-1,3-Dichloropropene
Concen: 23.584 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

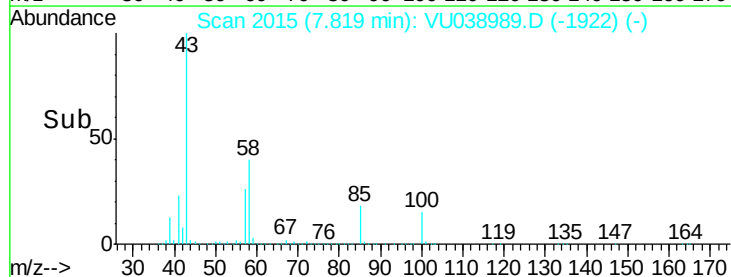
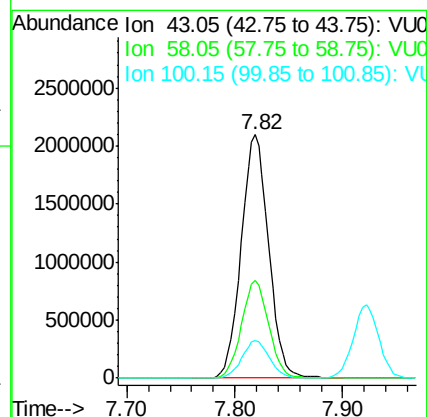
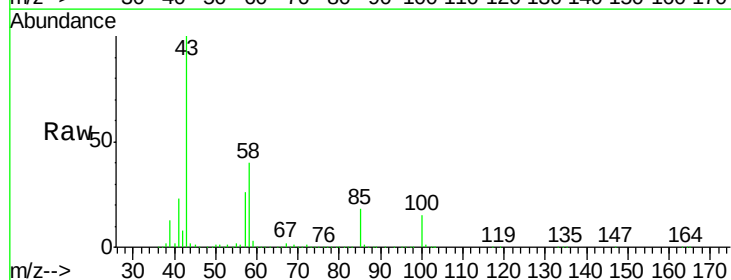
Tgt Ion: 75 Resp: 814535
Ion Ratio Lower Upper
75 100
77 31.7 22.3 41.3

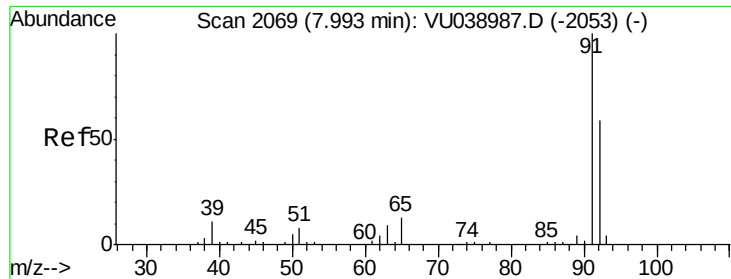


#40

4-Methyl-2-pentanone
Concen: 219.241 ug/L
RT: 7.82 min Scan# 2015
Delta R.T. -0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

Tgt Ion: 43 Resp: 3713146
Ion Ratio Lower Upper
43 100
58 39.9 29.5 44.3
100 15.3 11.0 16.4





#42

Toluene

Concen: 20.133 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

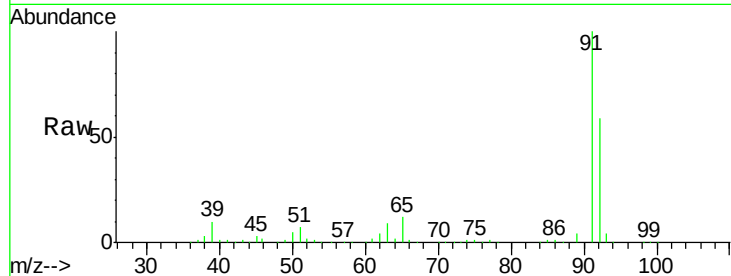
VSTD02003

Tgt Ion: 91 Resp: 1879315

Ion Ratio Lower Upper

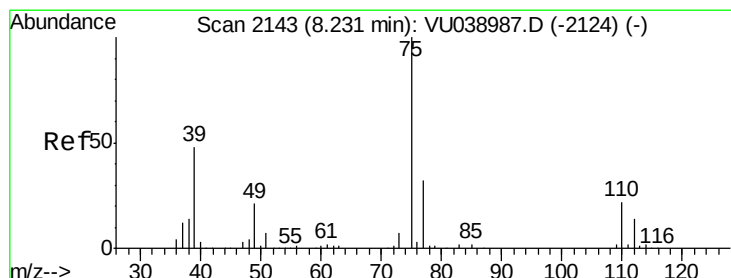
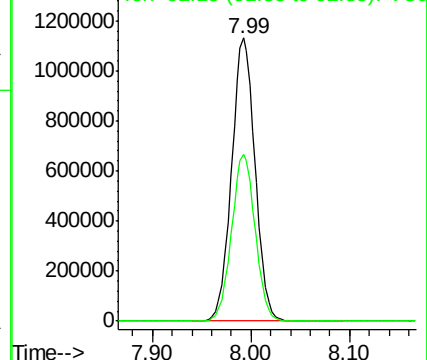
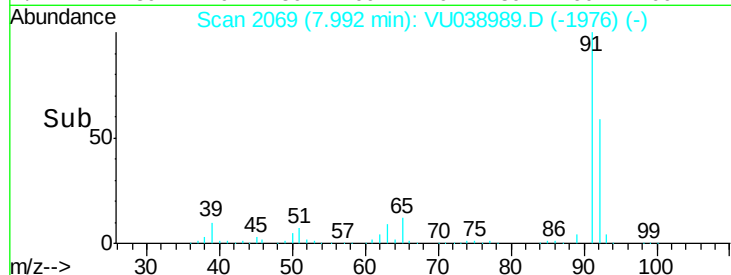
91 100

92 59.1 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU038989.D (-1976) (-)

Ion 92.15 (91.85 to 92.85): VU038989.D (-1976) (-)



#44

trans-1,3-Dichloropropene

Concen: 20.611 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038989.D

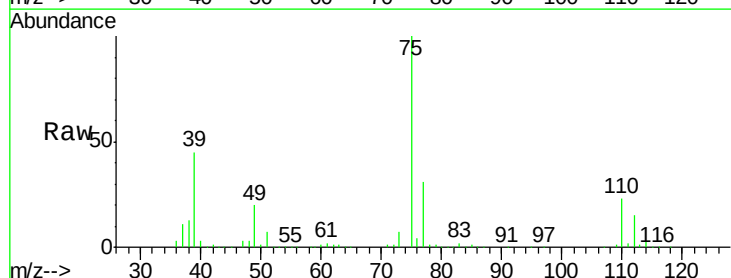
Acq: 19 Jun 2020 17:12

Tgt Ion: 75 Resp: 661349

Ion Ratio Lower Upper

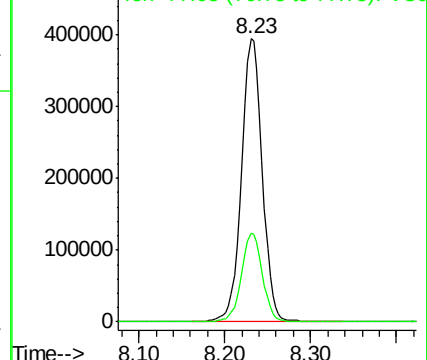
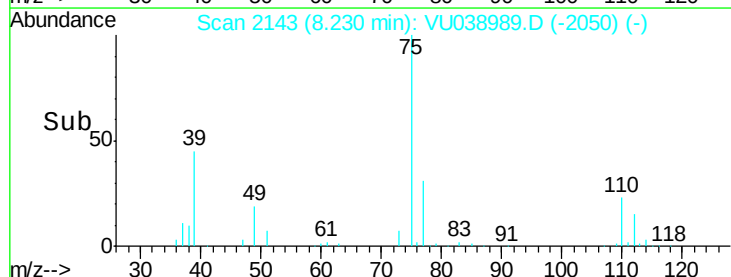
75 100

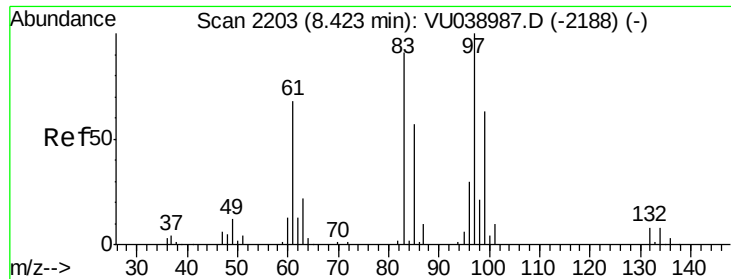
77 31.3 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU038989.D (-2050) (-)

Ion 77.05 (76.75 to 77.75): VU038989.D (-2050) (-)

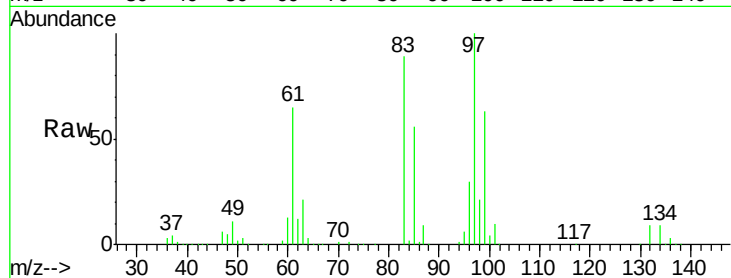




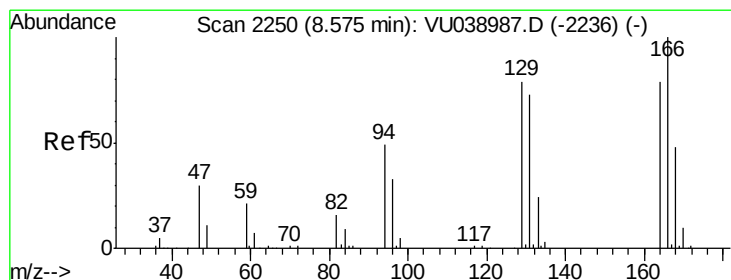
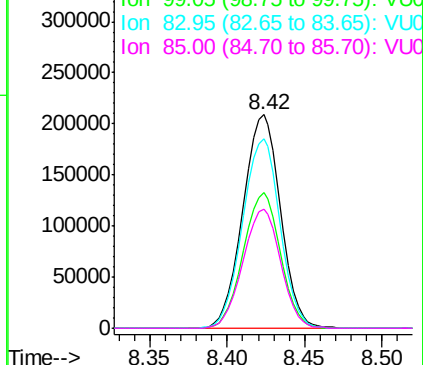
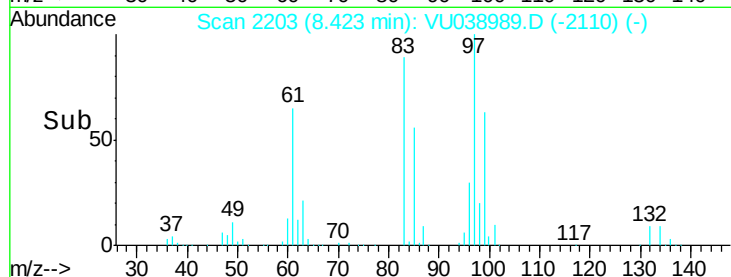
#45
 1,1,2-Trichloroethane
 Concen: 20.198 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU038989.D
 Acq: 19 Jun 2020 17:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion:	97	Resp:	353987
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.0	81.8
83	88.7	63.6	118.0
85	55.9	39.7	73.7

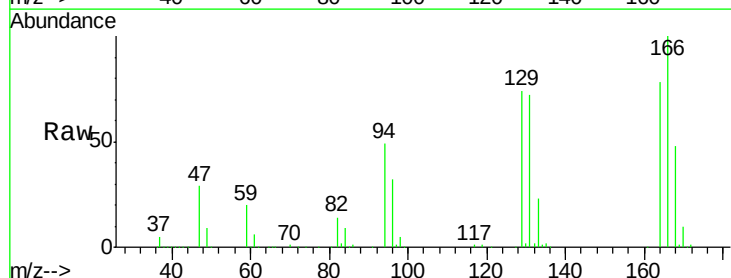


Abundance Ion 96.95 (96.65 to 97.65): VU038989.D (-2110) (-)

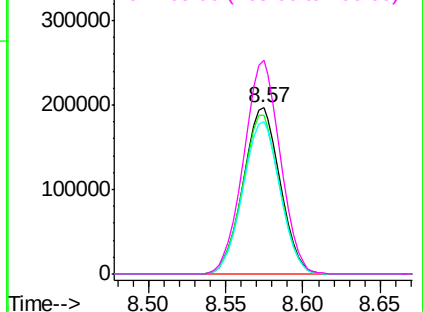
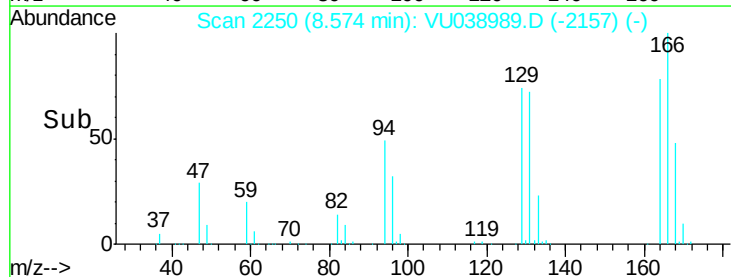


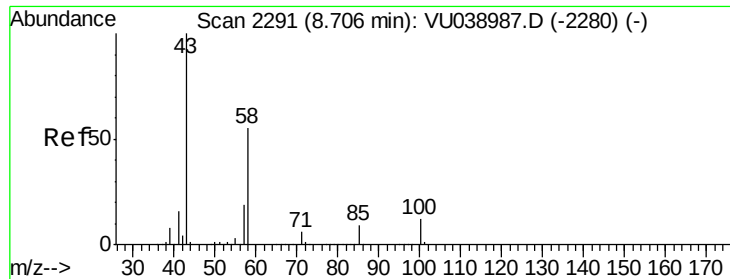
#47
 Tetrachloroethene
 Concen: 19.336 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU038989.D
 Acq: 19 Jun 2020 17:12

Tgt Ion:	164	Resp:	328364
Ion	Ratio	Lower	Upper
164	100		
129	95.5	69.7	129.5
131	91.8	65.0	120.8
166	128.4	88.5	164.4



Abundance Ion 163.90 (163.60 to 164.60): VU038989.D (-2157) (-)

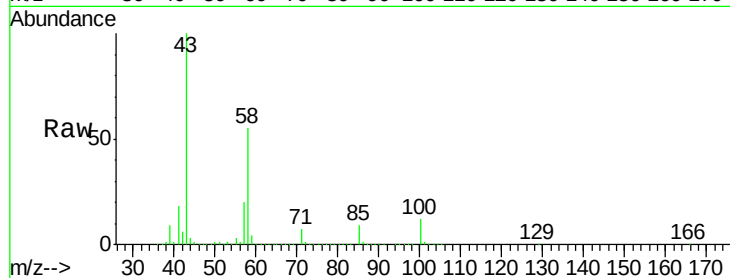




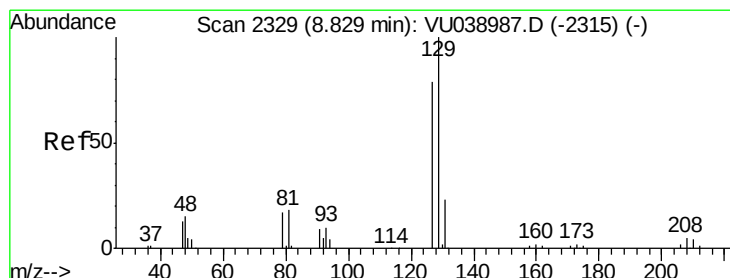
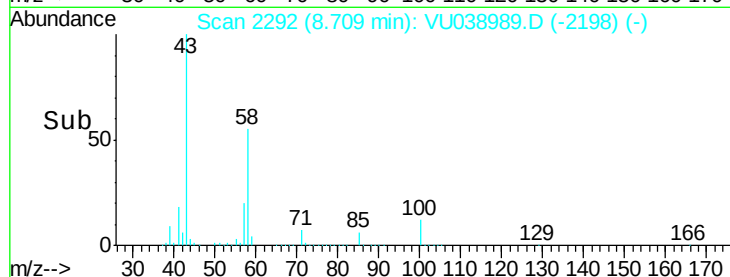
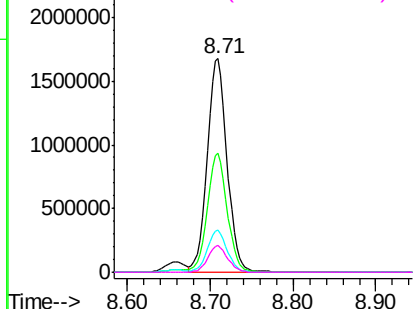
#48
2-Hexanone
Concen: 233.506 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tgt Ion: 43 Resp: 2826864
Ion Ratio Lower Upper
43 100
58 55.7 43.2 64.8
57 19.6 15.2 22.8
100 12.3 9.5 14.3

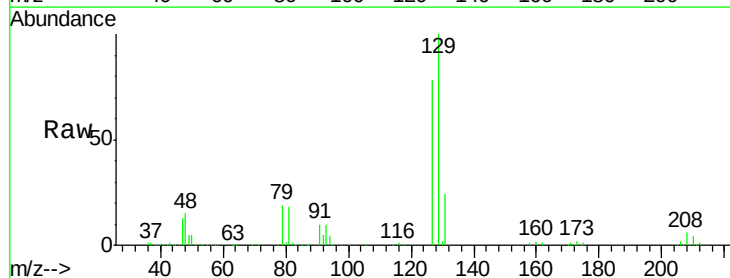


Abundance Ion 43.05 (42.75 to 43.75): VU038989.D (-2280) (-)
Ion 58.05 (57.75 to 58.75): VU038989.D (-2280) (-)
Ion 57.20 (56.90 to 57.90): VU038989.D (-2280) (-)
Ion 100.15 (99.85 to 100.85): VU038989.D (-2280) (-)

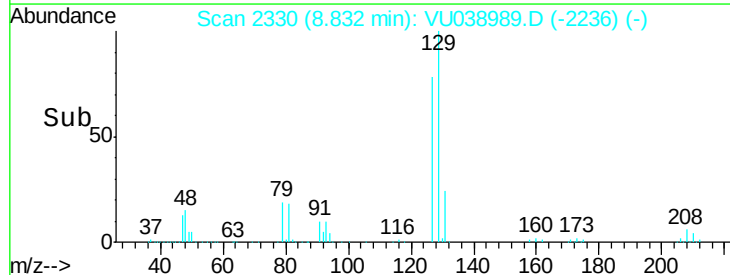
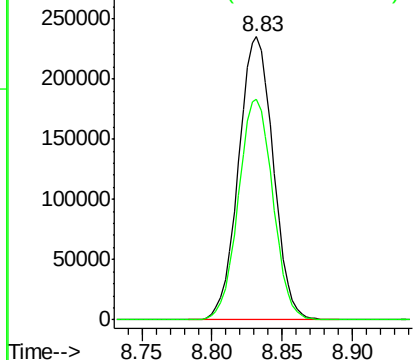


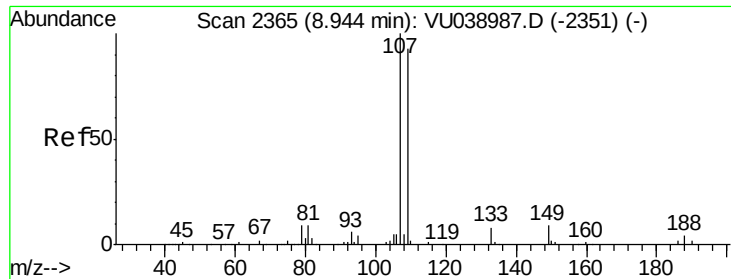
#49
Dibromochloromethane
Concen: 20.273 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

Tgt Ion: 129 Resp: 404659
Ion Ratio Lower Upper
129 100
127 78.0 55.1 102.3



Abundance Ion 128.95 (128.65 to 129.65): VU038989.D (-2315) (-)
Ion 126.90 (126.60 to 127.60): VU038989.D (-2315) (-)

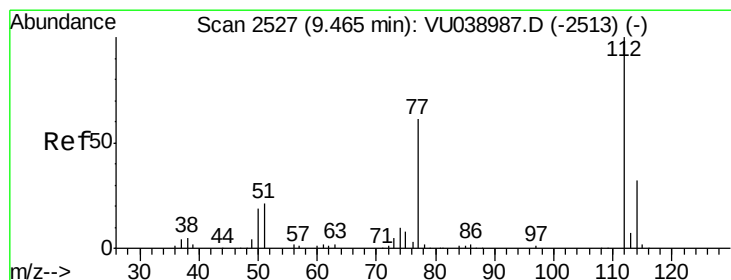
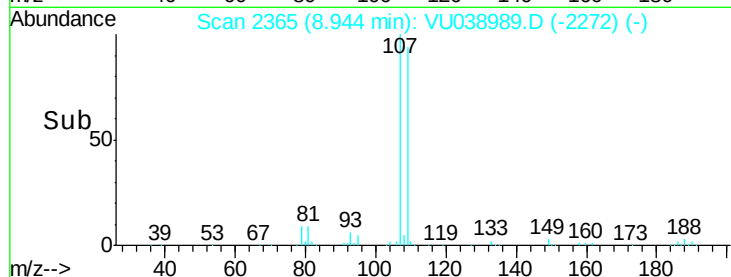
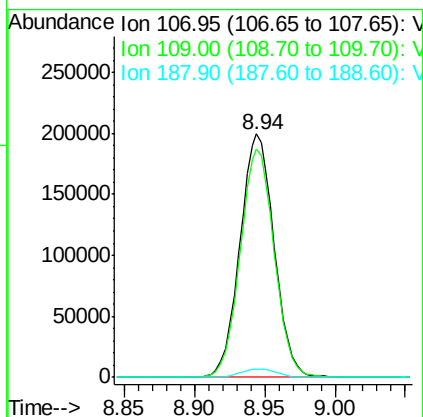
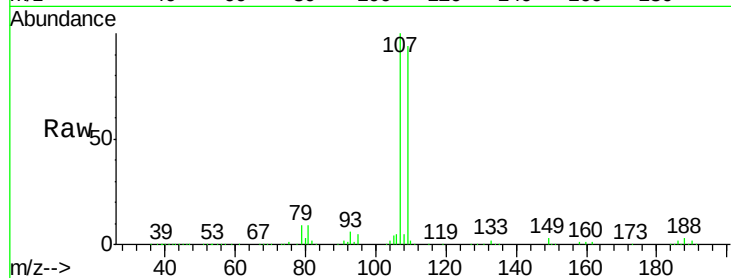




#50
1,2-Dibromoethane
Concen: 20.006 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

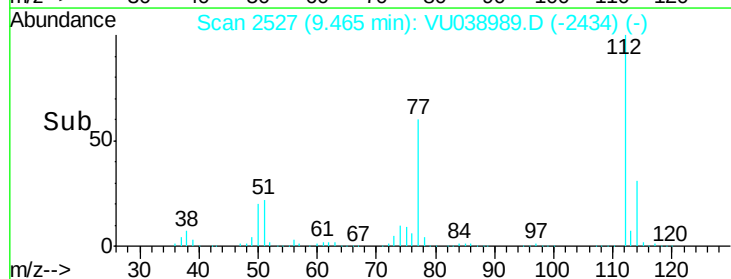
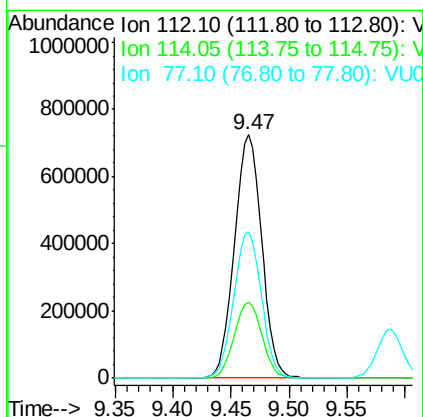
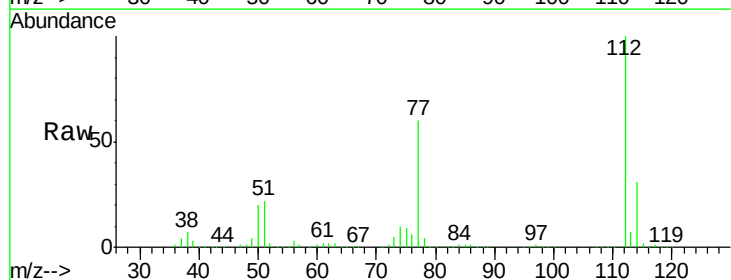
Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

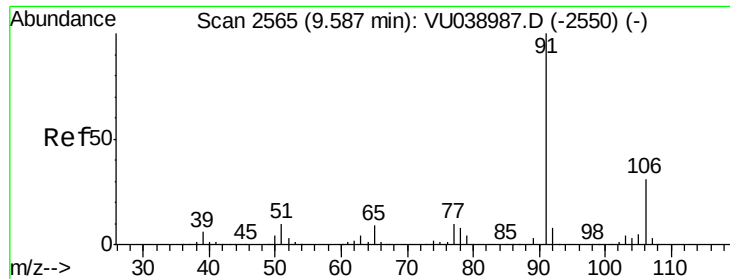
Tgt Ion:107 Resp: 338122
Ion Ratio Lower Upper
107 100
109 94.0 65.5 121.6
188 3.4 3.0 4.4



#51
Chlorobenzene
Concen: 20.168 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

Tgt Ion:112 Resp: 1175998
Ion Ratio Lower Upper
112 100
114 31.3 22.0 41.0
77 60.1 49.0 73.4





#52

Ethylbenzene

Concen: 26.004 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

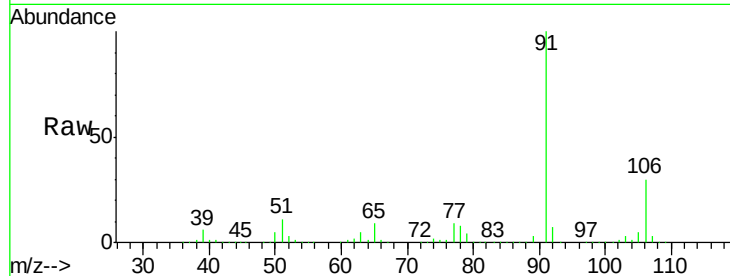
VSTD02003

Tgt Ion: 91 Resp: 2523153

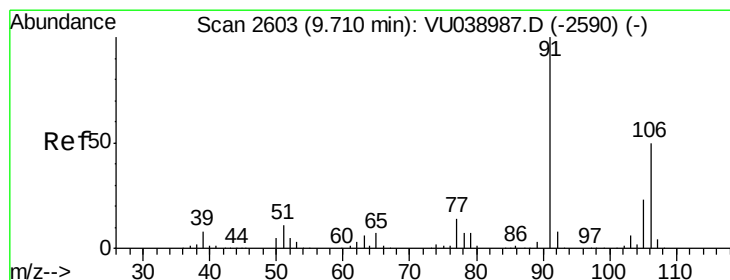
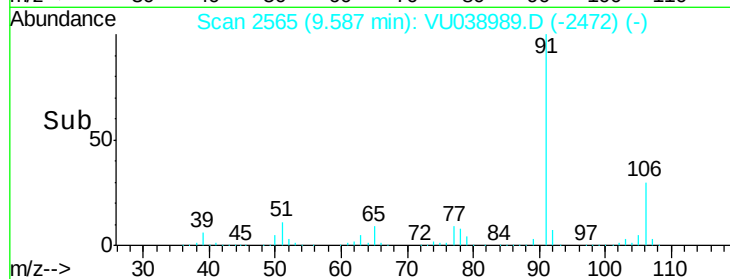
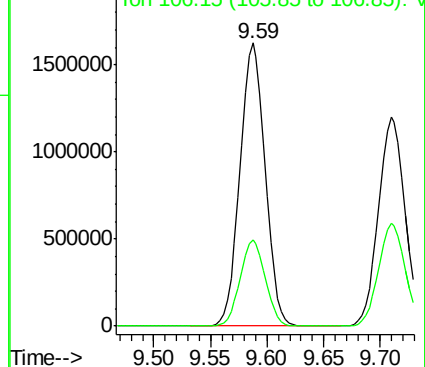
Ion Ratio Lower Upper

91 100

106 30.4 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VU038989.D (-2550) (-)



#53

m,p-Xylene

Concen: 25.756 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038989.D

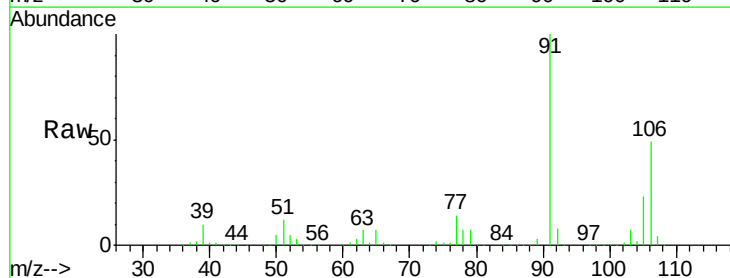
Acq: 19 Jun 2020 17:12

Tgt Ion: 106 Resp: 964857

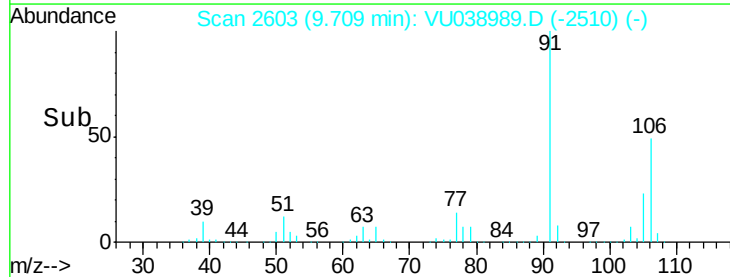
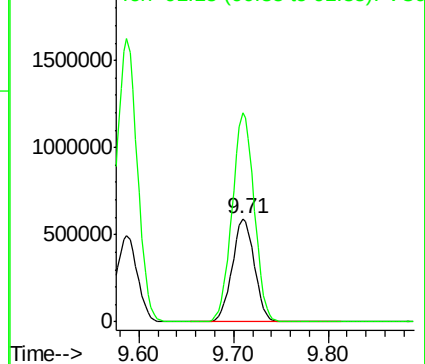
Ion Ratio Lower Upper

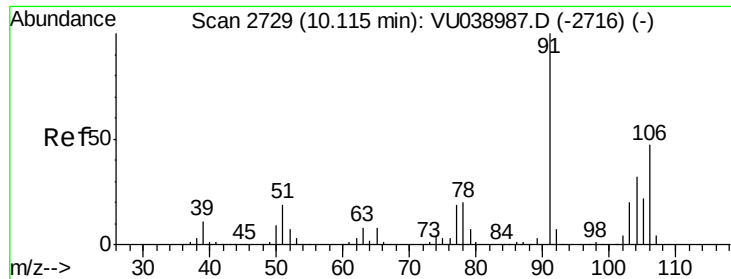
106 100

91 203.0 140.8 261.6



Abundance Ion 106.15 (105.85 to 106.85): VU038989.D (-2590) (-)

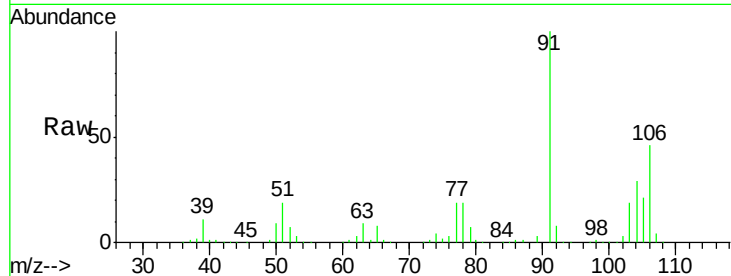




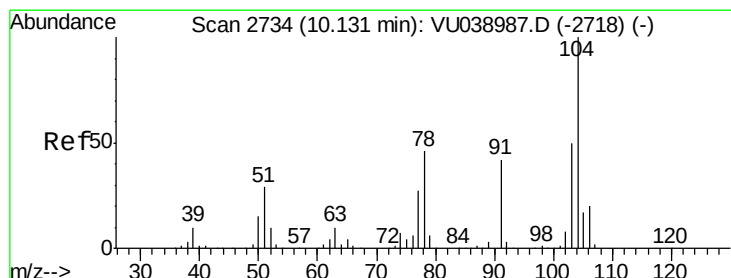
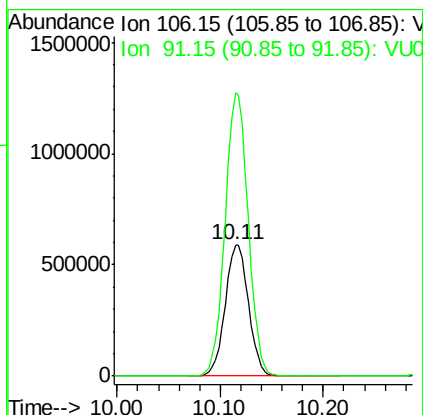
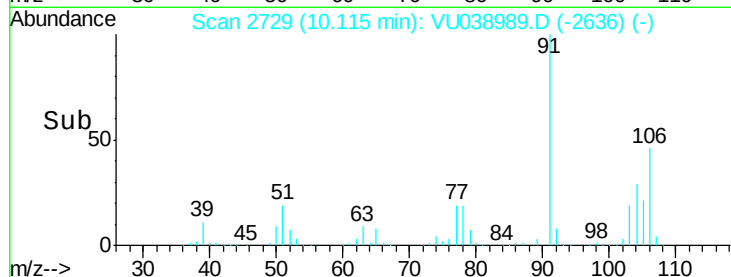
#54
o-Xylene
Concen: 25.843 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD02003

Tgt Ion:106 Resp: 927425
Ion Ratio Lower Upper
106 100
91 215.5 148.2 275.2

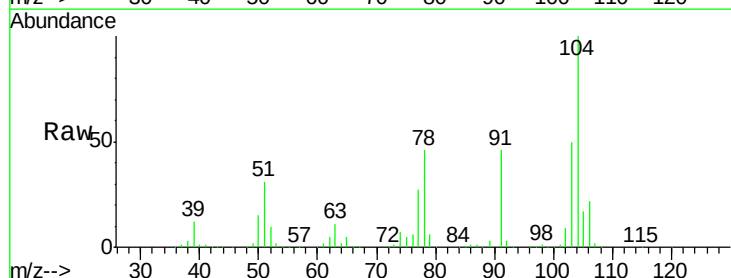


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

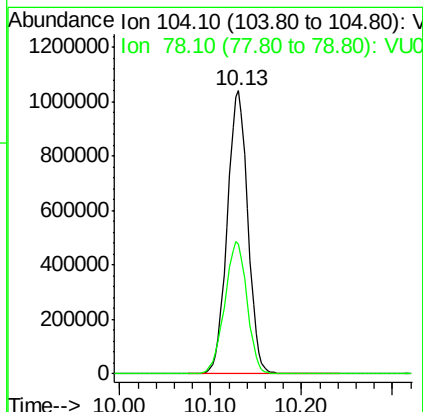
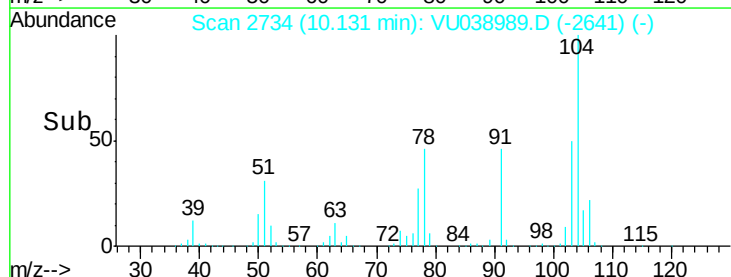


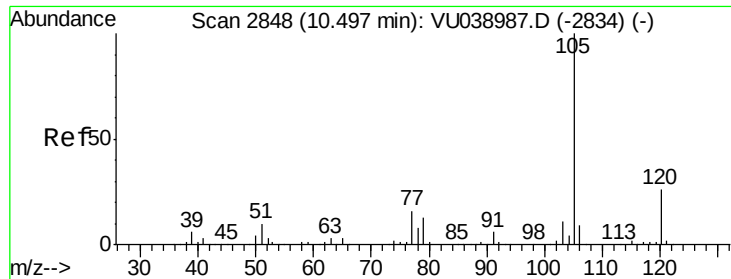
#55
Styrene
Concen: 26.425 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038989.D
Acq: 19 Jun 2020 17:12

Tgt Ion:104 Resp: 1634478
Ion Ratio Lower Upper
104 100
78 46.1 32.0 59.4



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





#56

Isopropylbenzene

Concen: 23.262 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

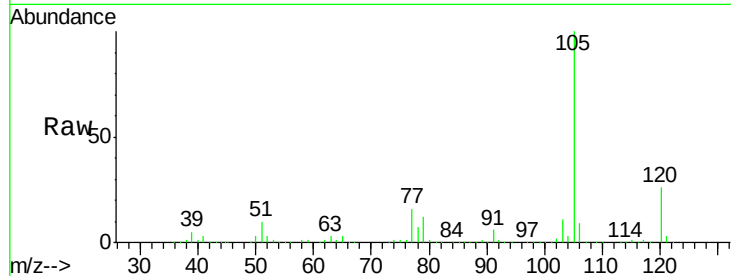
Tgt Ion:105 Resp: 2221876

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

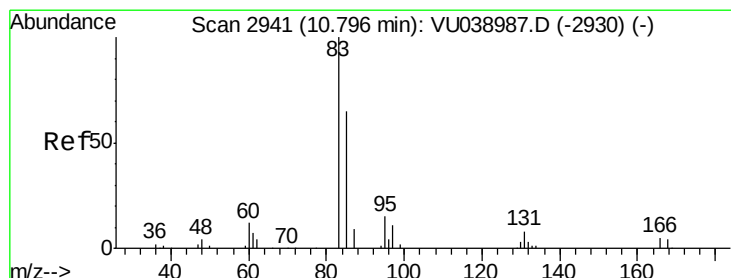
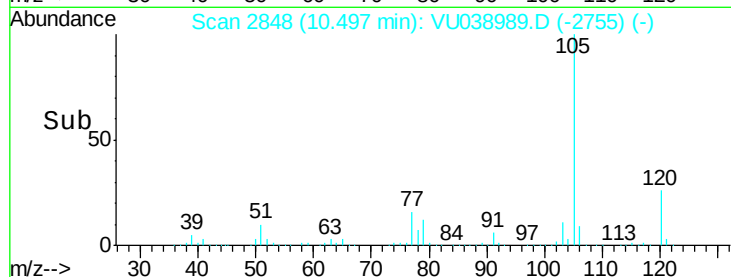
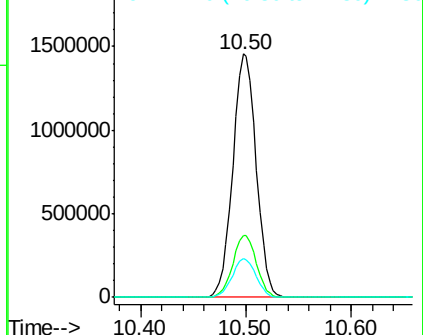
77 16.3 12.9 19.3



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: 20.530 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

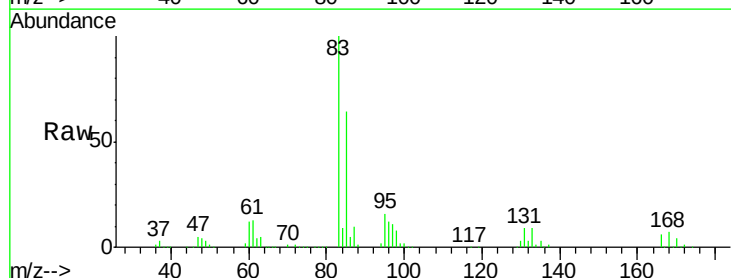
Tgt Ion: 83 Resp: 478823

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.6

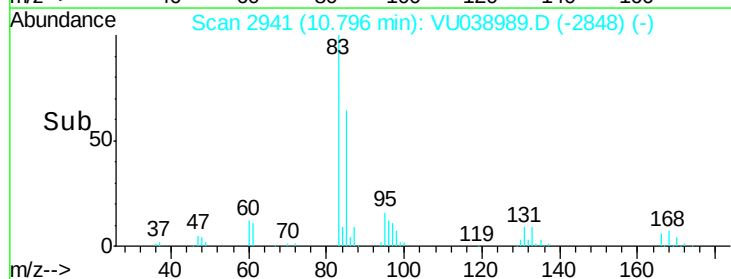
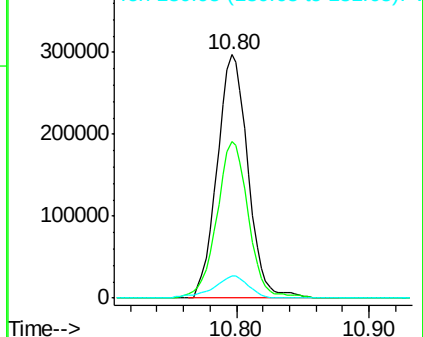
131 9.0 7.0 10.6

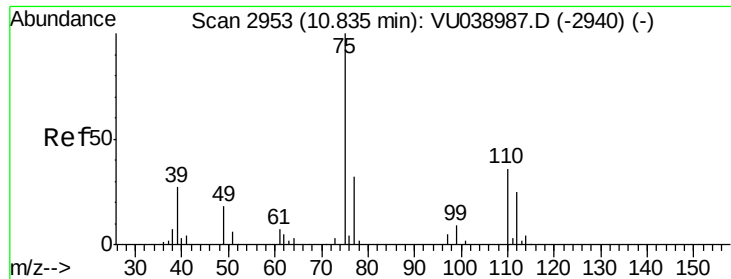


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.869 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

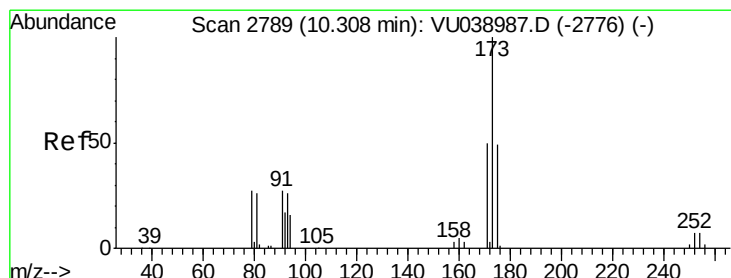
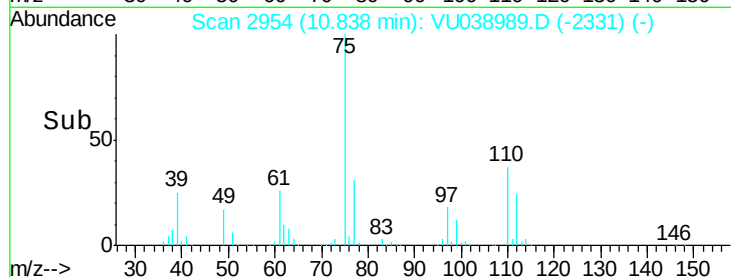
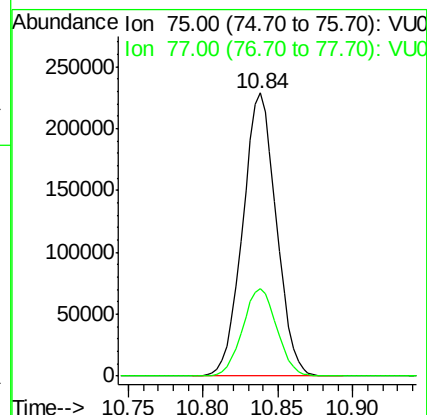
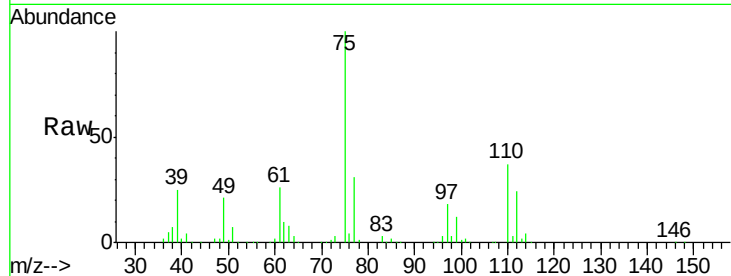
VSTD02003

Tgt Ion: 75 Resp: 357661

Ion Ratio Lower Upper

75 100

77 31.6 25.9 38.9



#61

Bromoform

Concen: 22.515 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

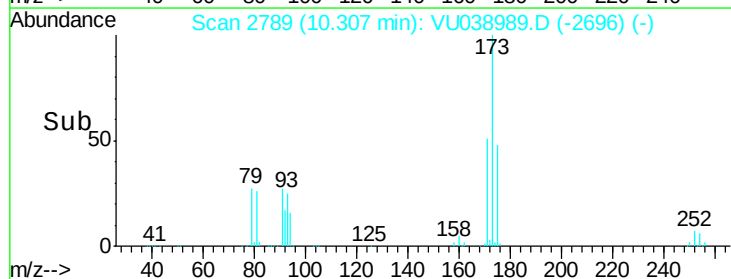
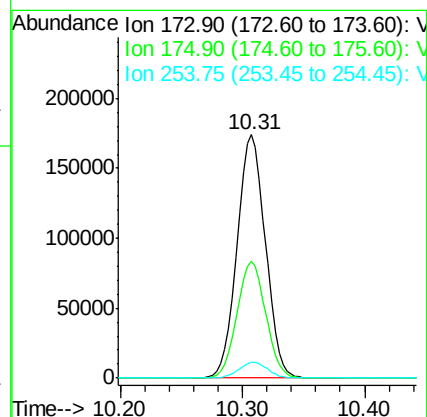
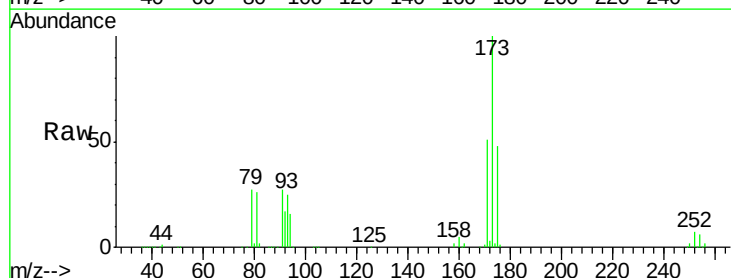
Tgt Ion: 173 Resp: 281044

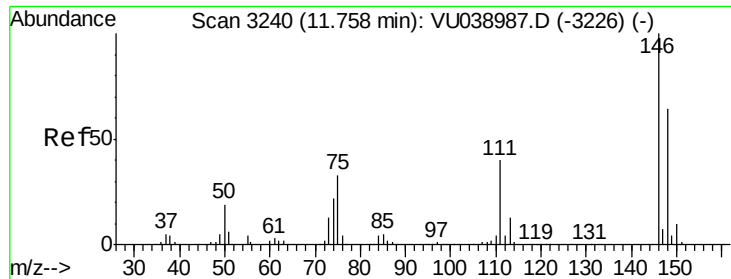
Ion Ratio Lower Upper

173 100

175 48.5 39.1 58.7

254 6.5 5.6 8.4





#62

1,3-Dichlorobenzene

Concen: 19.907 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

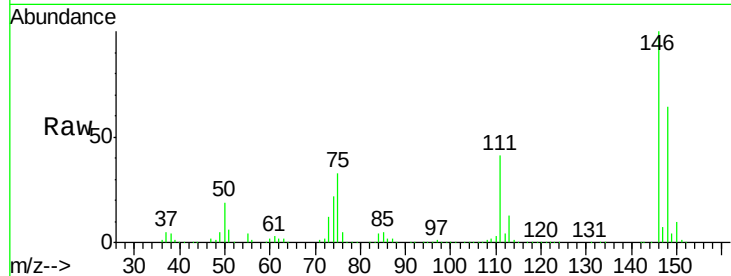
Tgt Ion:146 Resp: 973592

Ion Ratio Lower Upper

146 100

111 41.1 27.8 51.6

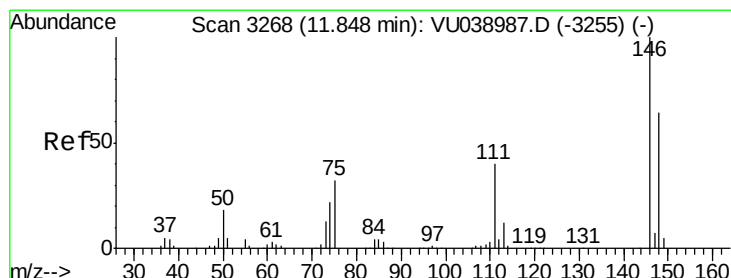
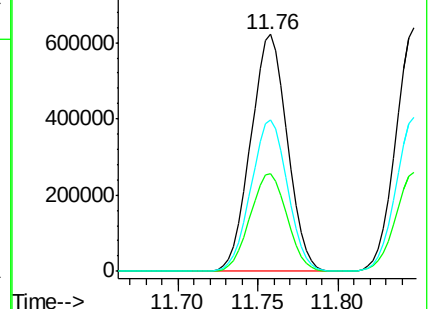
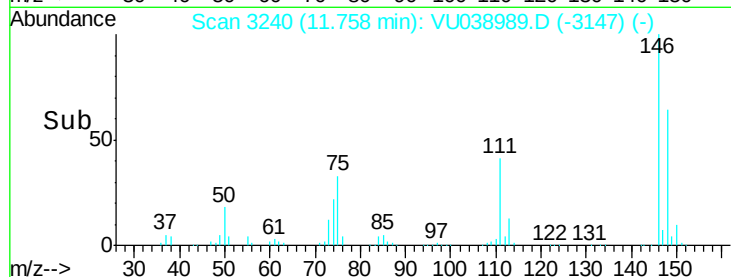
148 64.2 45.1 83.7



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: 19.684 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

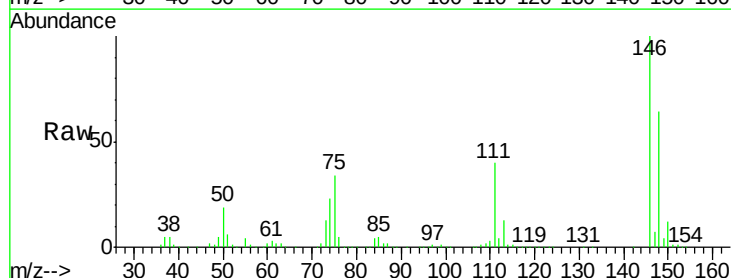
Tgt Ion:146 Resp: 986072

Ion Ratio Lower Upper

146 100

111 40.5 28.1 52.3

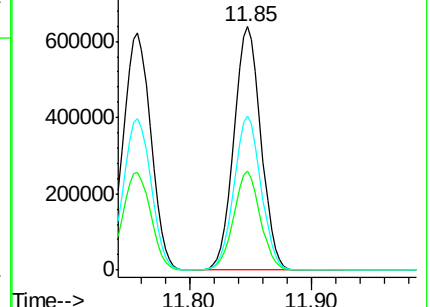
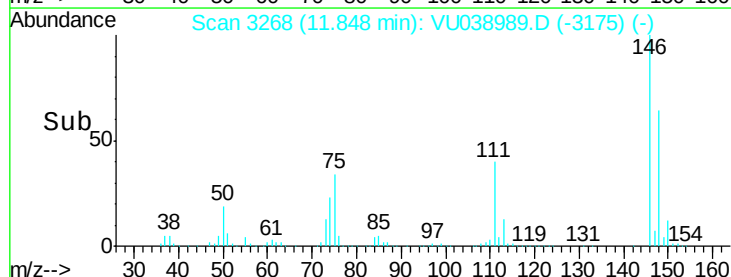
148 63.5 45.0 83.6

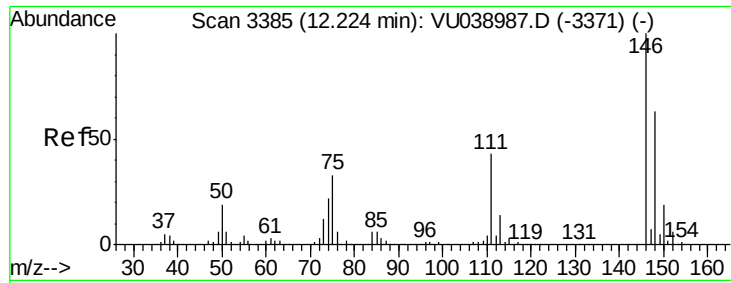


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

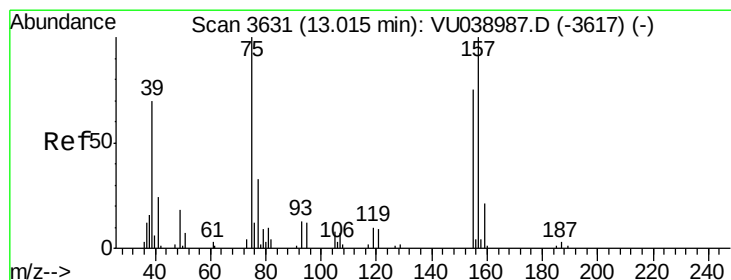
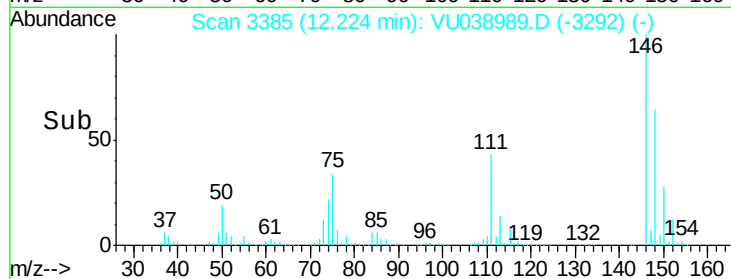
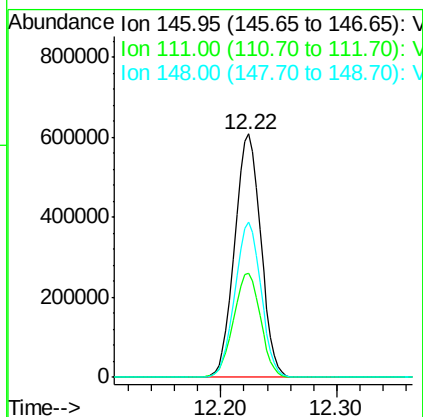
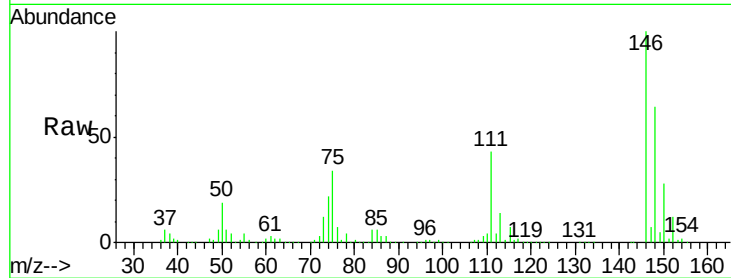




#65
 1,2-Dichlorobenzene
 Concen: 19.622 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038989.D
 Acq: 19 Jun 2020 17:12

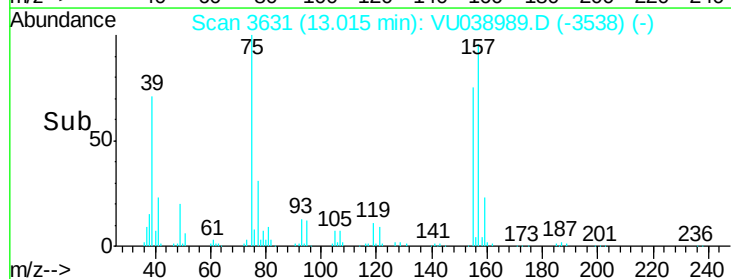
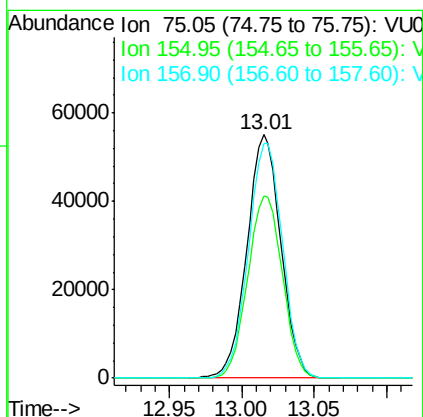
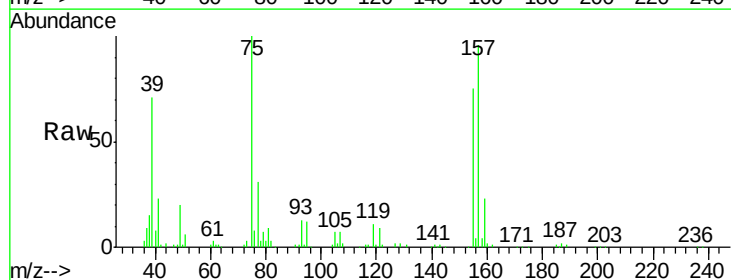
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

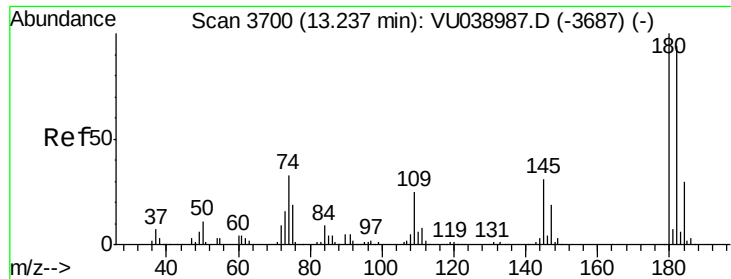
Tgt Ion: 146 Resp: 944193
 Ion Ratio Lower Upper
 146 100
 111 42.8 34.4 51.6
 148 63.7 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.209 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU038989.D
 Acq: 19 Jun 2020 17:12

Tgt Ion: 75 Resp: 89973
 Ion Ratio Lower Upper
 75 100
 155 74.9 59.9 89.9
 157 96.4 79.9 119.9

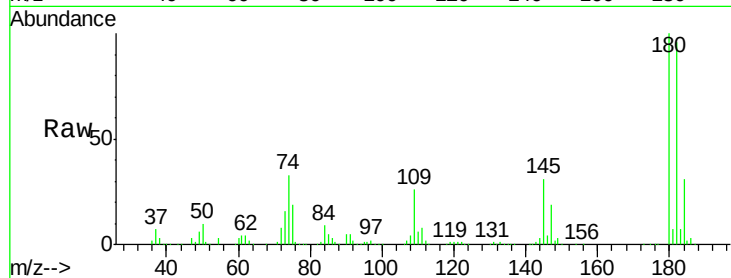




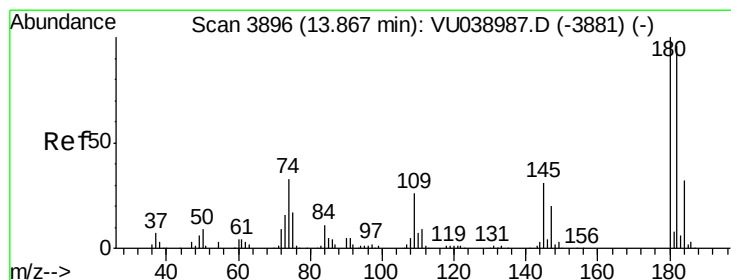
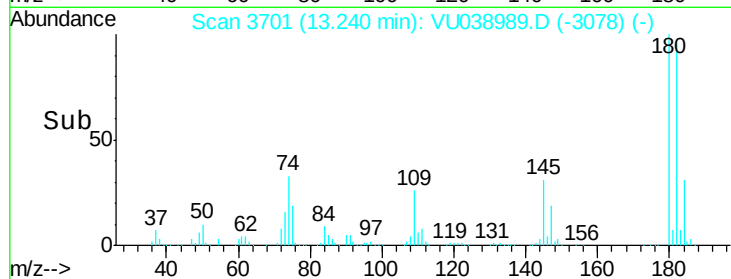
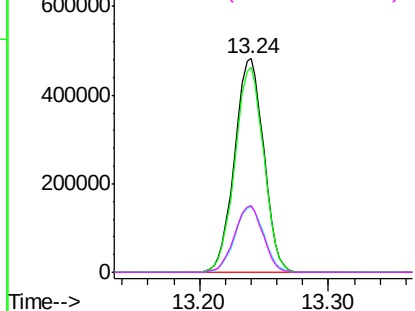
#67
 1,3,5-Trichlorobenzene
 Concen: 19.308 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU038989.D
 Acq: 19 Jun 2020 17:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02003

Tgt Ion:180 Resp: 755188
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.0 114.0
 184 30.6 24.2 36.2
 145 30.8 24.6 36.8

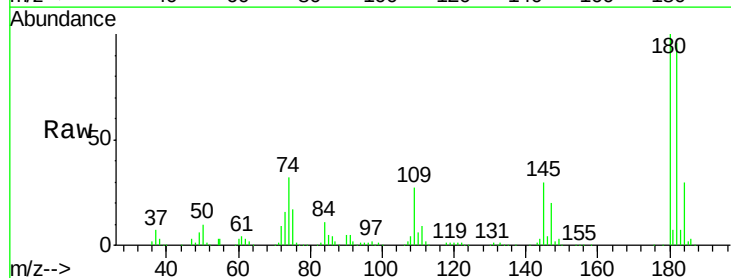


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

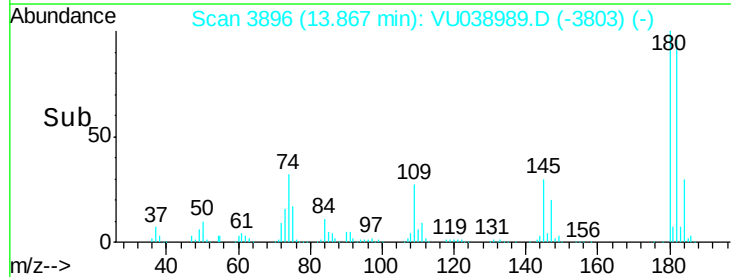
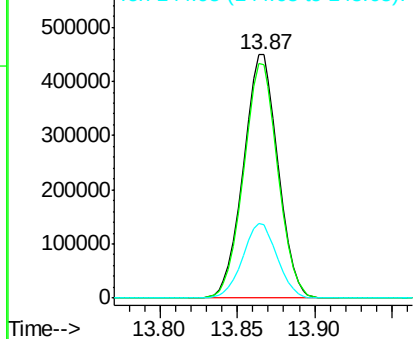


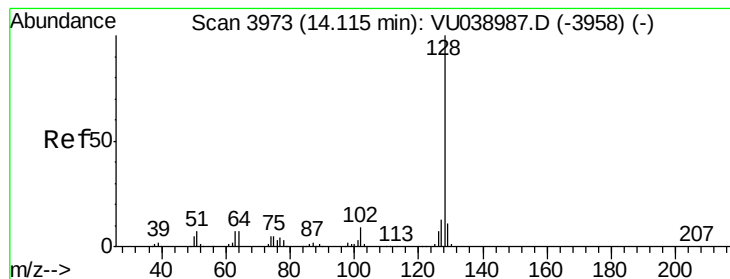
#68
 1,2,4-trichlorobenzene
 Concen: 19.798 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038989.D
 Acq: 19 Jun 2020 17:12

Tgt Ion:180 Resp: 698888
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.0 114.0
 145 30.6 25.0 37.6



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: 21.185 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD02003

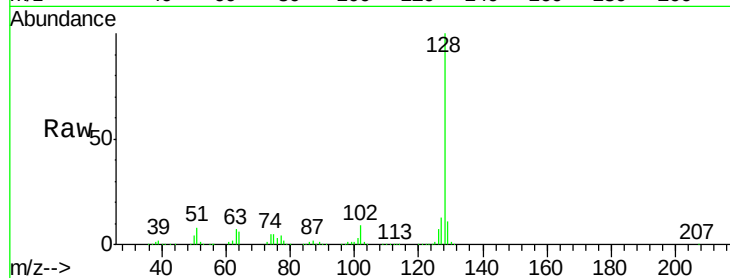
Tgt Ion:128 Resp: 1431613

Ion Ratio Lower Upper

128 100

129 10.7 8.3 12.5

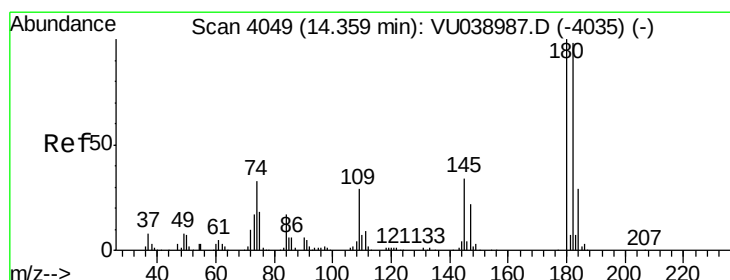
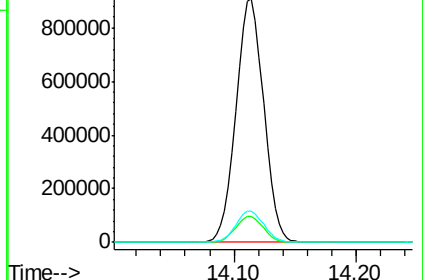
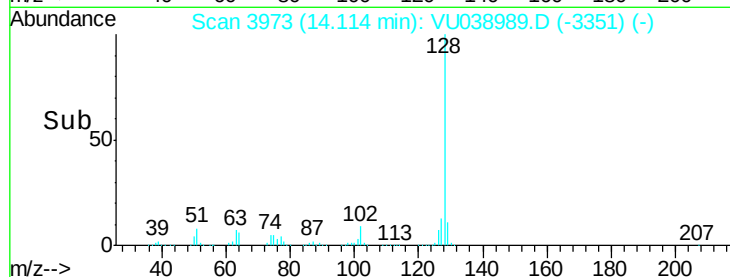
127 13.1 11.0 16.6



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: 19.090 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU038989.D

Acq: 19 Jun 2020 17:12

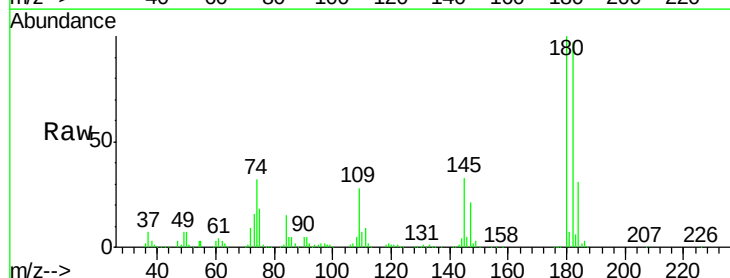
Tgt Ion:180 Resp: 638532

Ion Ratio Lower Upper

180 100

182 95.6 77.3 115.9

145 32.8 26.9 40.3



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

