

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061920\
 Data File : VU038985.D
 Acq On : 19 Jun 2020 15:39
 Operator : SY/MD
 Sample : VSTD0.505
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Quant Time: Jun 19 17:20:58 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	271791	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	275298	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	136623	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	13996	0.70	ug/L	0.00
7) Chloroethane-d5	1.93	69	10169	0.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	24525	0.62	ug/L	0.00
20) 2-Butanone-d5	4.68	46	39297	6.22	ug/L	0.00
24) Chloroform-d	5.10	84	23559	0.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	13955	0.62	ug/L	0.00
32) Benzene-d6	5.76	84	42553	0.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	14490	0.63	ug/L	0.00
41) Toluene-d8	7.92	98	36466	0.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	5744	0.52	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	23370	4.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	12271	0.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	14327	0.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	15665	0.598 ug/L	92
3) Chloromethane	1.53	50	15820	0.612 ug/L	99
5) Vinyl chloride	1.62	62	16938	0.653 ug/L	97
6) Bromomethane	1.88	94	5925	0.434 ug/L	97
8) Chloroethane	1.95	64	9119	0.563 ug/L	95
9) Trichlorofluoromethane	2.16	101	22718	0.587 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	12870	0.626 ug/L	94
12) 1,1-Dichloroethene	2.61	96	10815	0.559 ug/L	96
13) Acetone	2.67	43	25086	5.868 ug/L	95
14) Carbon disulfide	2.82	76	37653	0.571 ug/L	100
15) Methyl Acetate	2.99	43	6555	0.619 ug/L	98
16) Methylene chloride	3.08	84	15083	0.668 ug/L	99
17) Methyl tert-butyl Ether	3.40	73	27173	0.531 ug/L	96
18) trans-1,2-Dichloroethene	3.39	96	11585	0.566 ug/L	90
19) 1,1-Dichloroethane	3.91	63	22488	0.599 ug/L	97
21) 2-Butanone	4.76	43	36874	5.473 ug/L	98
22) cis-1,2-Dichloroethene	4.70	96	12096	0.576 ug/L	96
23) Bromochloromethane	5.02	128	5504	0.556 ug/L	88
25) Chloroform	5.13	83	21528	0.567 ug/L	95
27) 1,2-Dichloroethane	5.83	62	15689	0.568 ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	18392	0.533 ug/L	95
30) Cyclohexane	5.42	56	17796	0.536 ug/L	96
31) Carbon tetrachloride	5.56	117	16111	0.532 ug/L	99
33) Benzene	5.81	78	46058	0.547 ug/L	100
34) Trichloroethene	6.57	95	12162	0.575 ug/L	96
35) Methylcyclohexane	6.79	83	16552	0.490 ug/L	92
37) 1,2-Dichloropropane	6.82	63	13234	0.599 ug/L	99
38) Bromodichloromethane	7.13	83	15469	0.526 ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	16643	0.501 ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	86536	5.313 ug/L	98

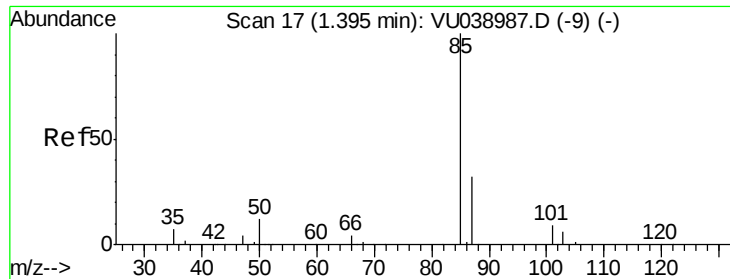
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061920\
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Quant Time: Jun 19 17:20:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 19 17:18:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	45147	0.503	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	15613	0.506	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	9612	0.570	ug/L	98
47) Tetrachloroethene	8.57	164	8810	0.539	ug/L	93
48) 2-Hexanone	8.71	43	62620	5.378	ug/L	96
49) Dibromochloromethane	8.83	129	10583	0.551	ug/L	95
50) 1,2-Dibromoethane	8.94	107	9581	0.589	ug/L	86
51) Chlorobenzene	9.47	112	31727	0.566	ug/L	99
52) Ethylbenzene	9.59	91	46764	0.501	ug/L	100
53) m,p-Xylene	9.71	106	16895	0.469	ug/L	92
54) o-Xylene	10.11	106	16537	0.479	ug/L	92
55) Styrene	10.13	104	26385	0.444	ug/L	96
56) Isopropylbenzene	10.50	105	45665	0.497	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.80	83	12453	0.555	ug/L	95
59) 1,2,3-Trichloropropane	10.84	75	9317	0.565	ug/L	98
61) Bromoform	10.31	173	5828	0.530	ug/L #	92
62) 1,3-Dichlorobenzene	11.76	146	24583	0.571	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	26029	0.590	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	23599	0.557	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	2101	0.509	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	17903	0.520	ug/L	96
68) 1,2,4-trichlorobenzene	13.87	180	16101	0.518	ug/L	98
69) Naphthalene	14.11	128	26524	0.446	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	14688	0.499	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.598 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Instrument :

MSVOA_U

ClientSampleId :

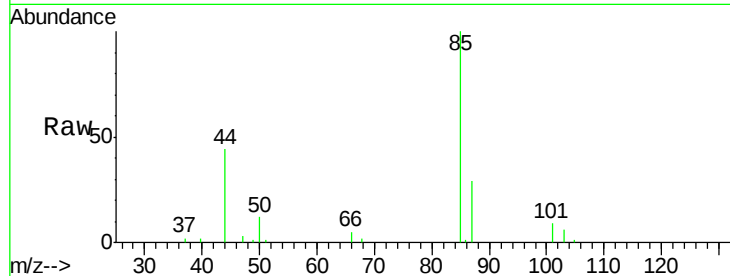
VSTD0.505

Tgt Ion: 85 Resp: 15665

Ion Ratio Lower Upper

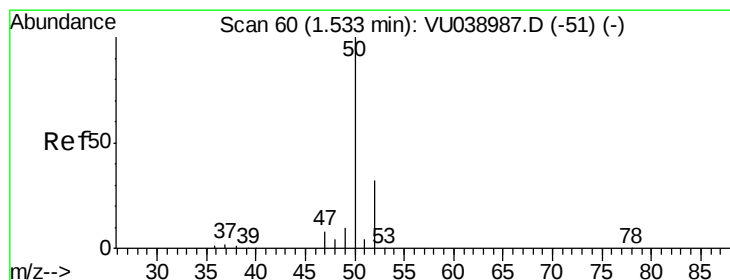
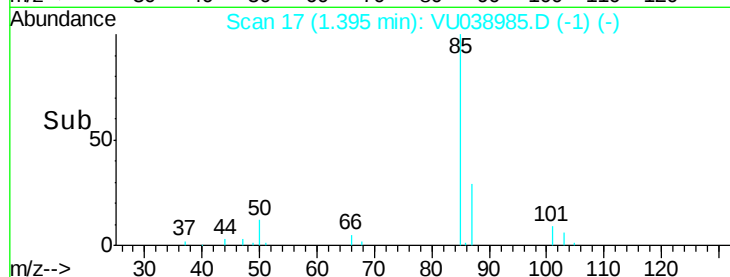
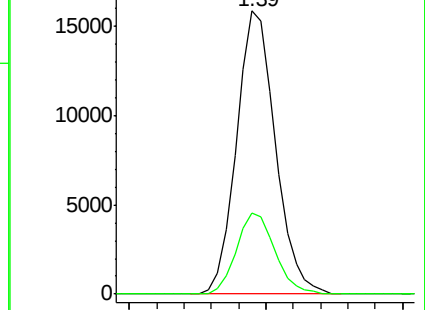
85 100

87 28.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038985.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038985.D (-9) (-)



#3

Chloromethane

Concen: 0.612 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038985.D

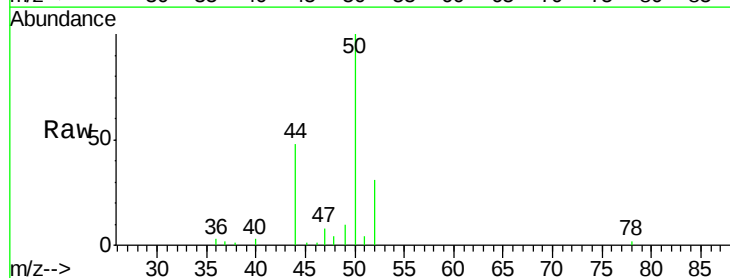
Acq: 19 Jun 2020 15:39

Tgt Ion: 50 Resp: 15820

Ion Ratio Lower Upper

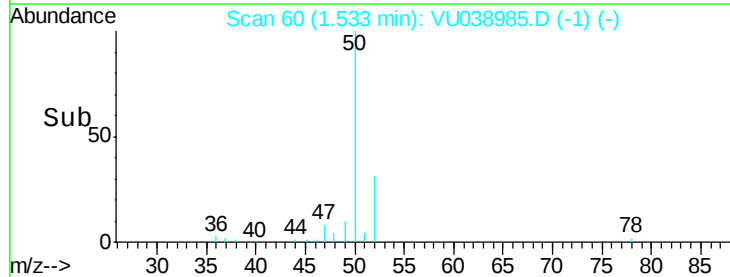
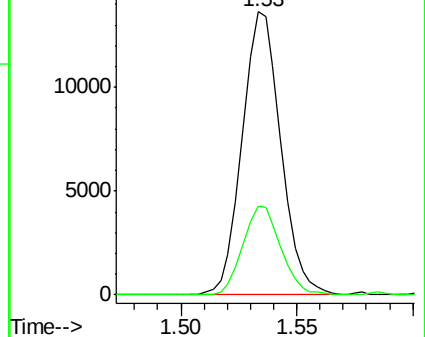
50 100

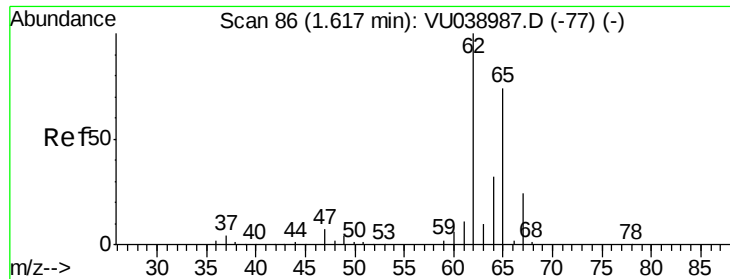
52 31.2 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU038985.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038985.D (-51) (-)





#5

Vinyl chloride

Concen: 0.653 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Instrument :

MSVOA_U

ClientSampleId :

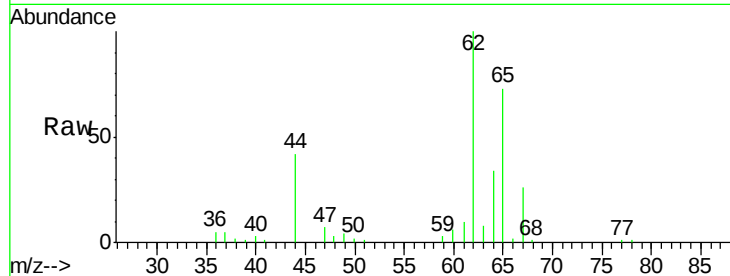
VSTD0.505

Tgt Ion: 62 Resp: 16938

Ion Ratio Lower Upper

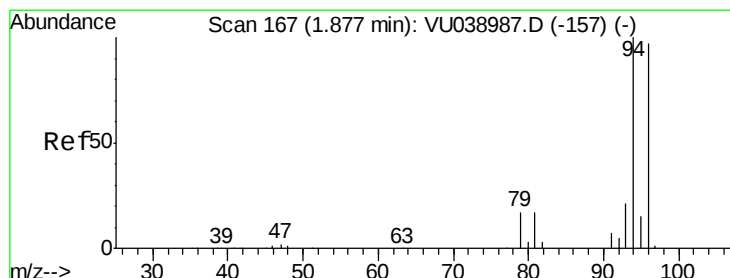
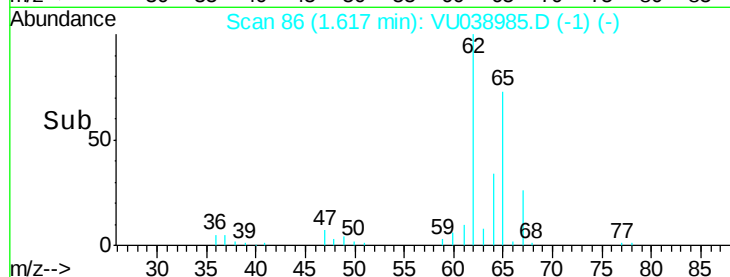
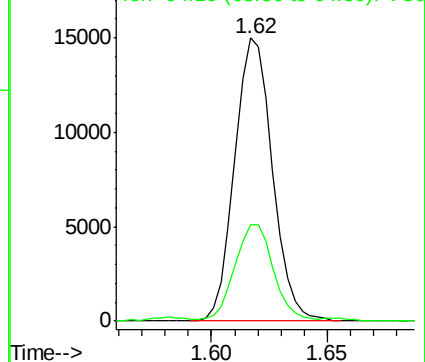
62 100

64 34.0 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.434 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038985.D

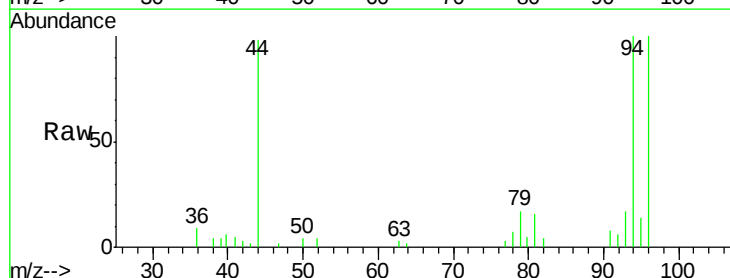
Acq: 19 Jun 2020 15:39

Tgt Ion: 94 Resp: 5925

Ion Ratio Lower Upper

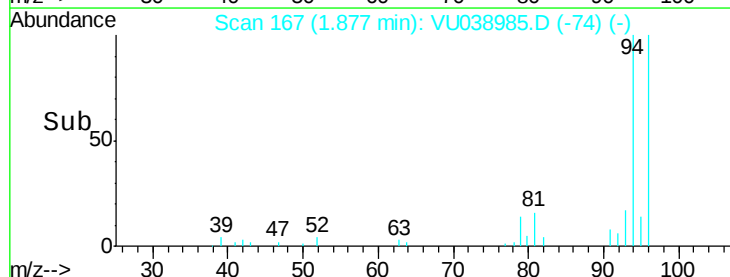
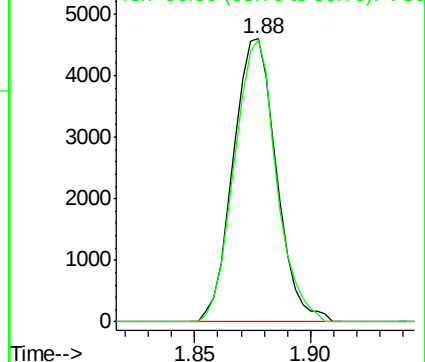
94 100

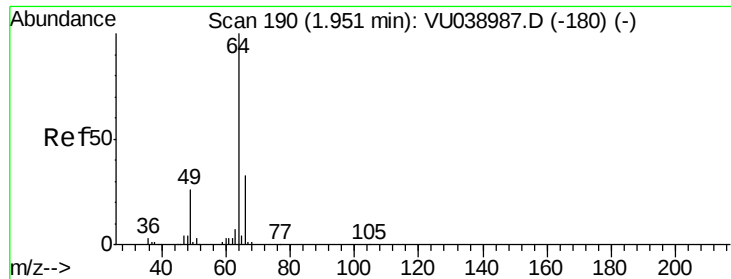
96 99.9 68.0 126.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

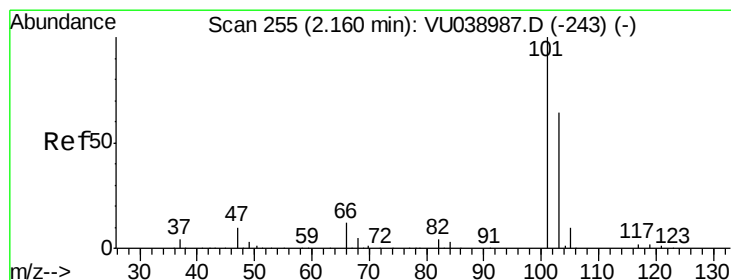
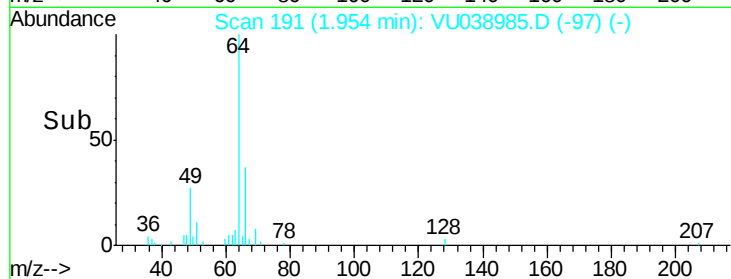
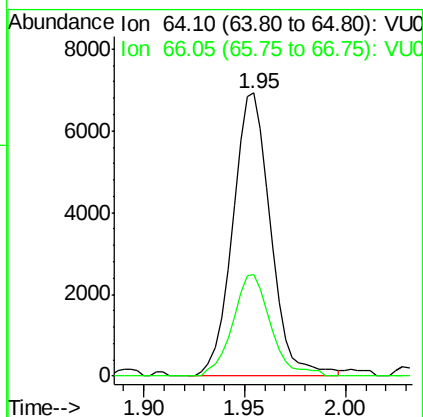
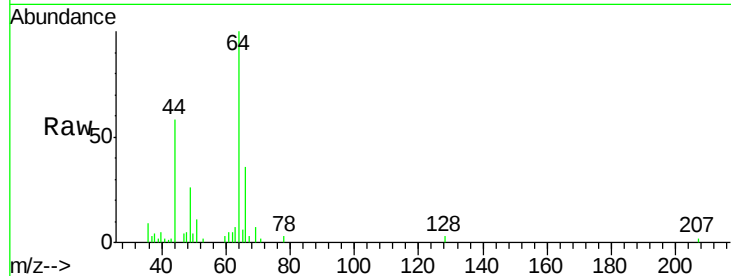




#8
Chloroethane
Concen: 0.563 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU038985.D
Acq: 19 Jun 2020 15:39

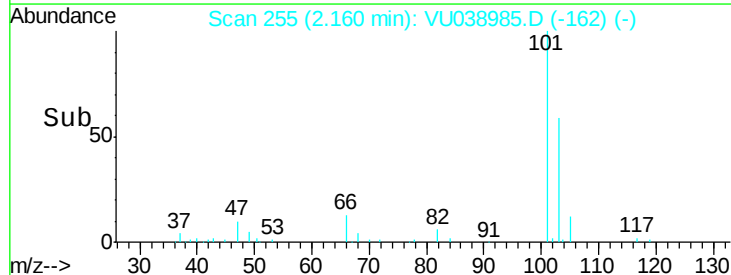
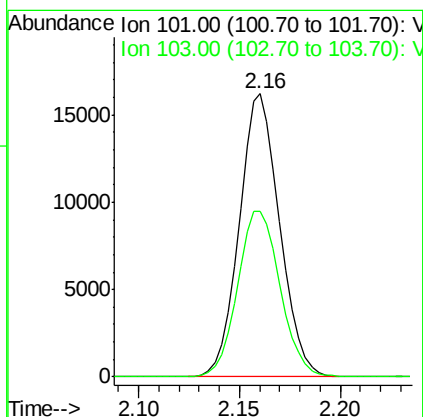
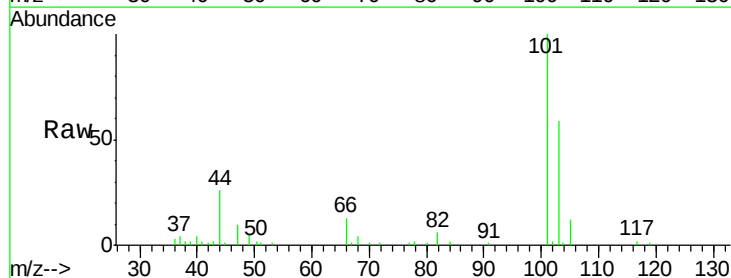
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

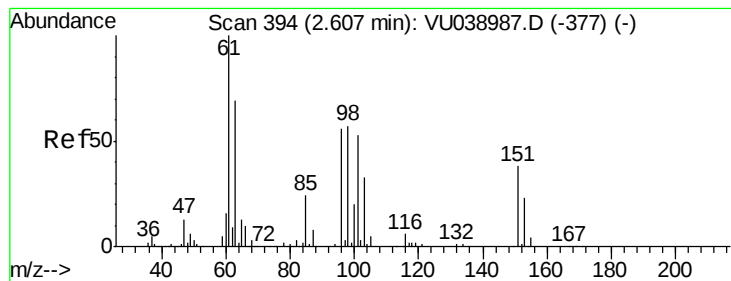
Tgt Ion: 64 Resp: 9119
Ion Ratio Lower Upper
64 100
66 36.1 23.2 43.2



#9
Trichlorofluoromethane
Concen: 0.587 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038985.D
Acq: 19 Jun 2020 15:39

Tgt Ion: 101 Resp: 22718
Ion Ratio Lower Upper
101 100
103 61.8 51.1 76.7





#10

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

Concen: 0.626 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

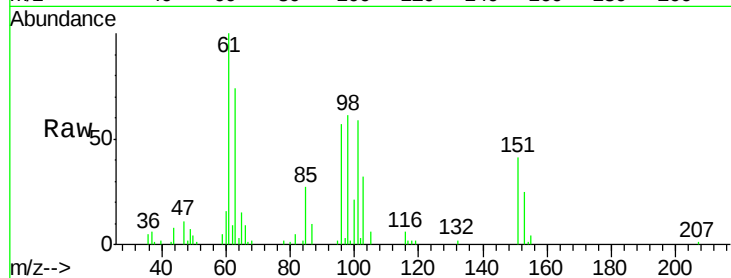
Tgt Ion: 101 Resp: 12870

Ion Ratio Lower Upper

101 100

85 41.9 36.1 54.1

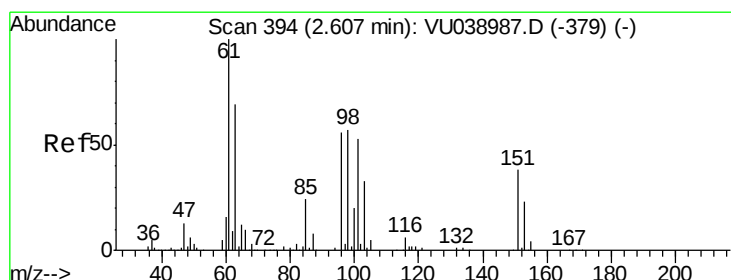
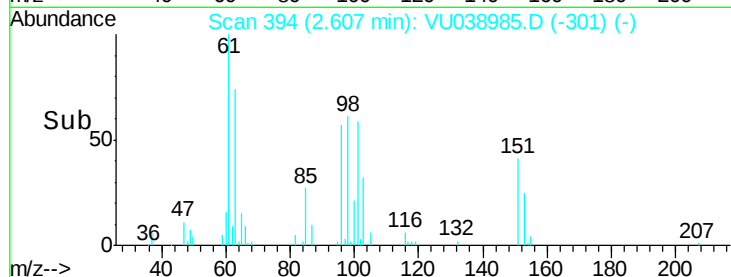
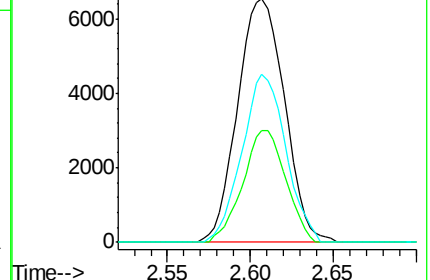
151 64.4 56.2 84.4



Abundance Ion 101.00 (100.70 to 101.70): VU038987.D (-377) (-)

Ion 85.00 (84.70 to 85.70): VU038987.D (-377) (-)

Ion 151.00 (150.70 to 151.70): VU038987.D (-377) (-)



#12

1,1-Dichloroethene

Concen: 0.559 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

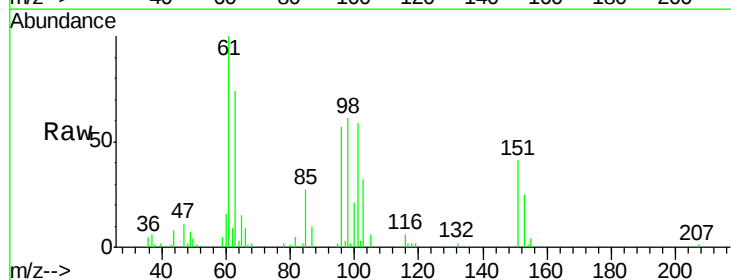
Tgt Ion: 96 Resp: 10815

Ion Ratio Lower Upper

96 100

61 174.8 126.0 234.0

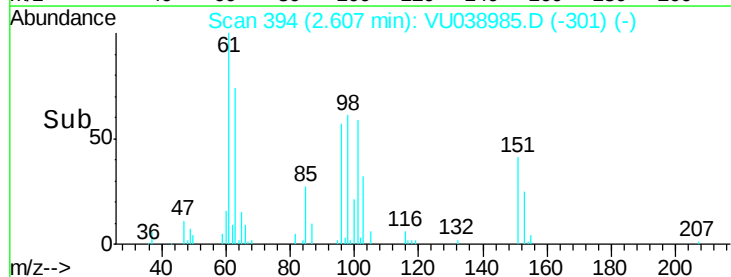
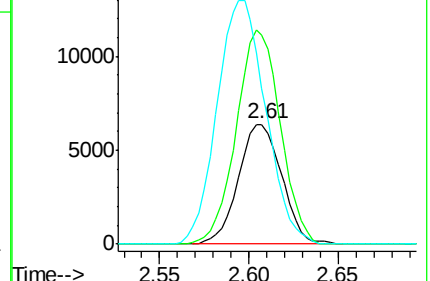
63 129.1 87.2 162.0

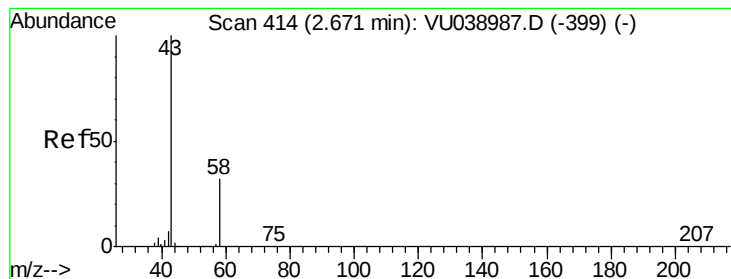


Abundance Ion 96.00 (95.70 to 96.70): VU038987.D (-379) (-)

Ion 61.05 (60.75 to 61.75): VU038987.D (-379) (-)

Ion 63.00 (62.70 to 63.70): VU038987.D (-379) (-)





#13

Acetone

Concen: 5.868 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Instrument :

MSVOA_U

ClientSampleId :

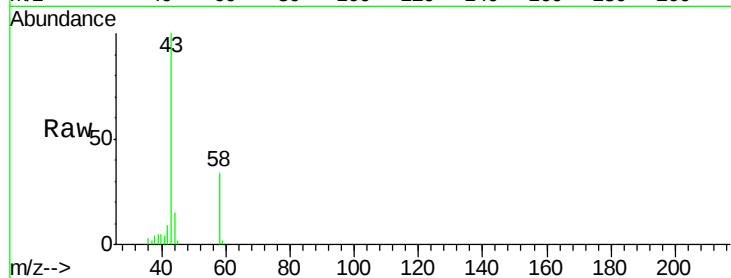
VSTD0.505

Tgt Ion: 43 Resp: 25086

Ion Ratio Lower Upper

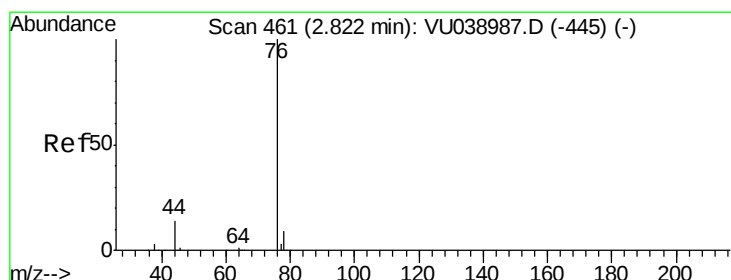
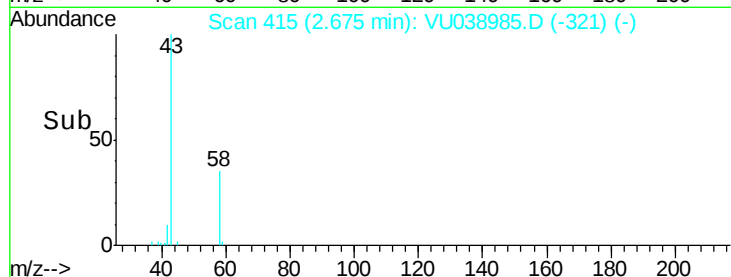
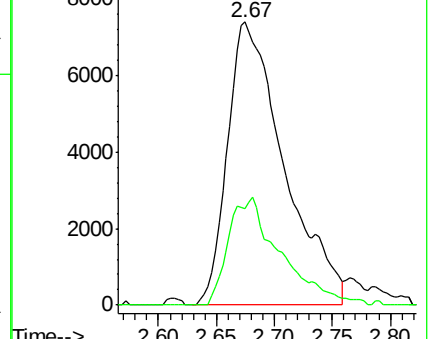
43 100

58 35.1 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU038987.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU038987.D (-399) (-)



#14

Carbon disulfide

Concen: 0.571 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038985.D

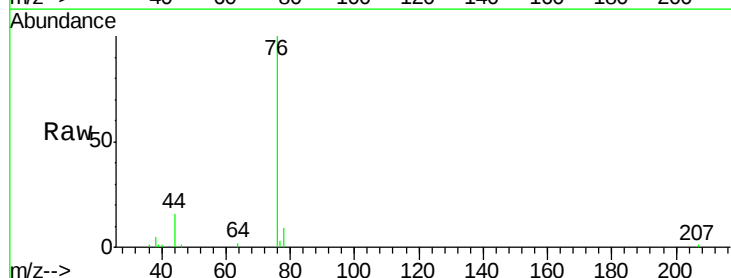
Acq: 19 Jun 2020 15:39

Tgt Ion: 76 Resp: 37653

Ion Ratio Lower Upper

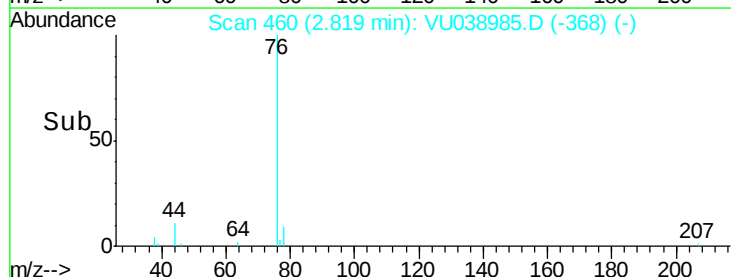
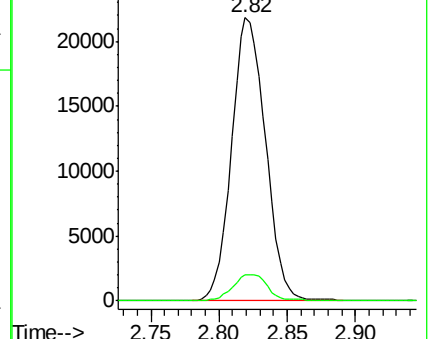
76 100

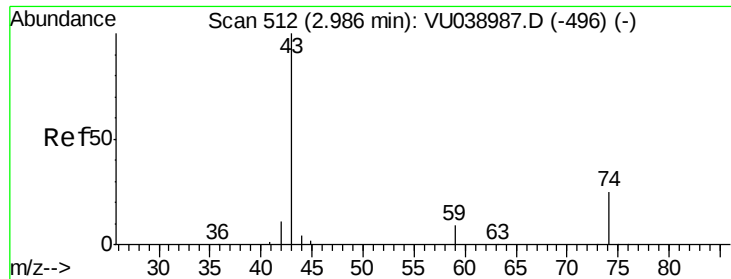
78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU038987.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038987.D (-445) (-)





#15

Methyl Acetate

Concen: 0.619 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Instrument :

MSVOA_U

ClientSampleId :

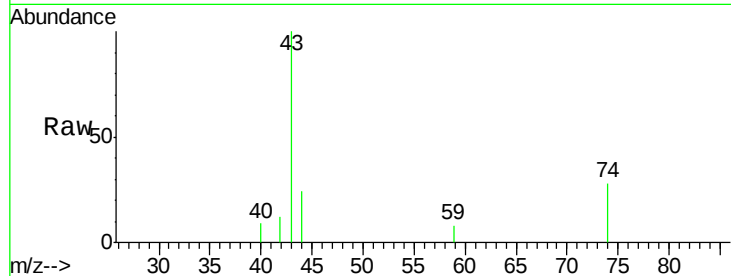
VSTD0.505

Tgt Ion: 43 Resp: 6555

Ion Ratio Lower Upper

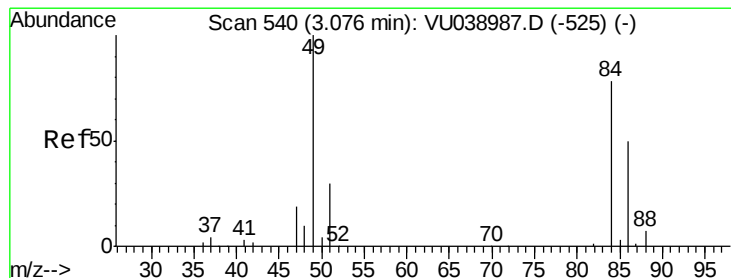
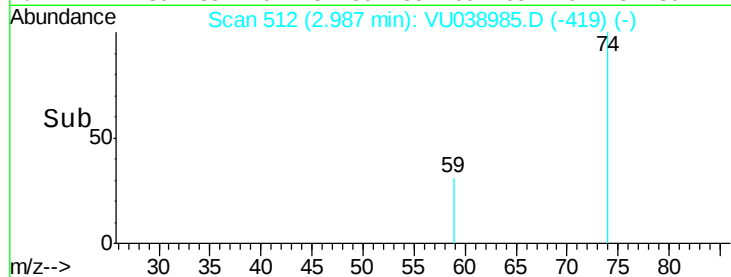
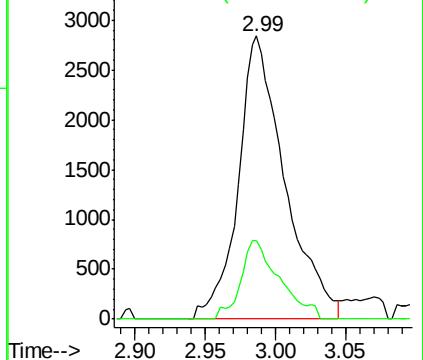
43 100

74 23.2 19.3 28.9



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.668 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

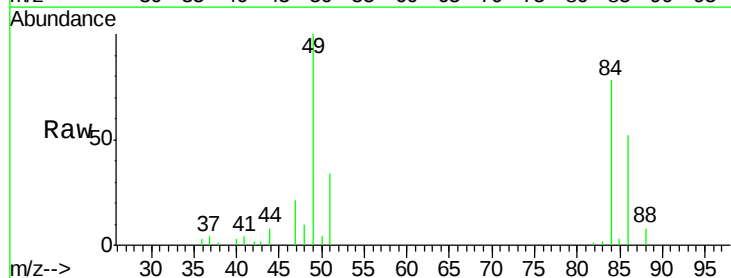
Tgt Ion: 84 Resp: 15083

Ion Ratio Lower Upper

84 100

86 67.5 45.1 83.7

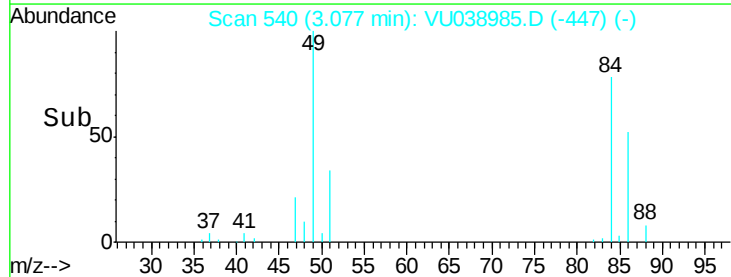
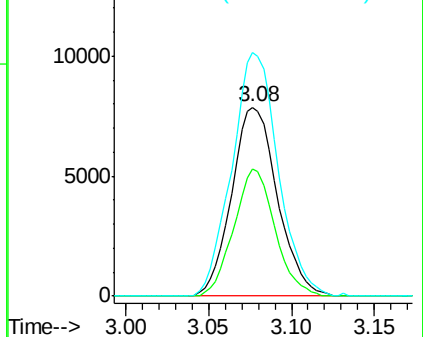
49 128.7 90.3 167.7

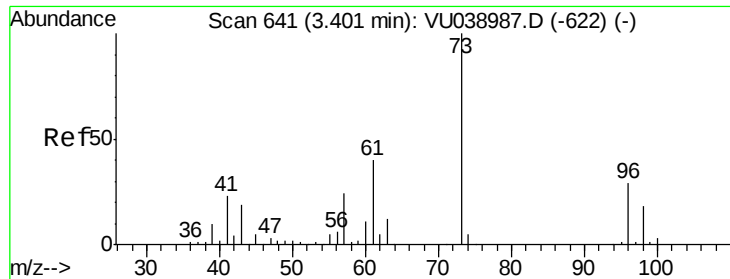


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

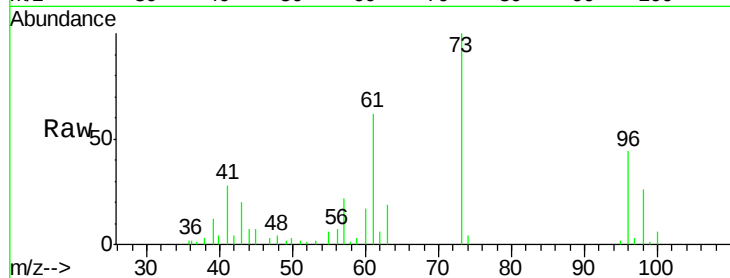




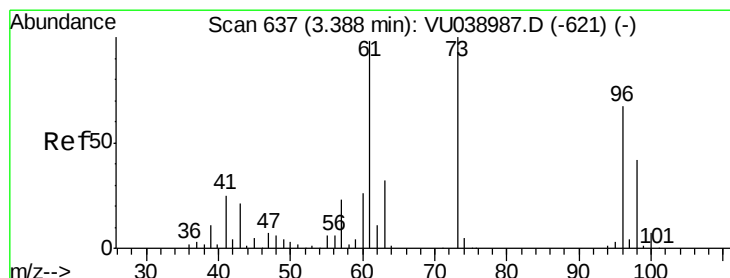
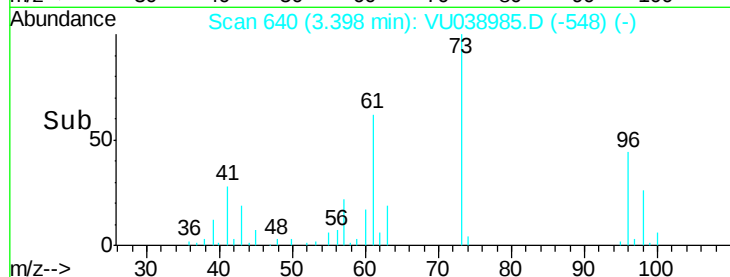
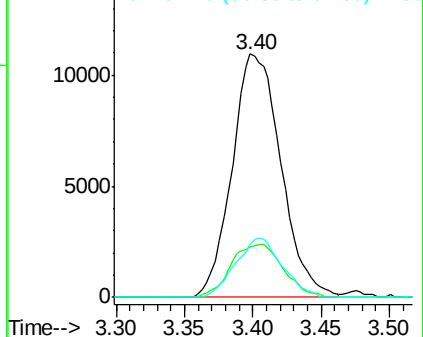
#17
Methyl tert-butyl Ether
Concen: 0.531 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038985.D
Acq: 19 Jun 2020 15:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Tgt Ion: 73 Resp: 27173
Ion Ratio Lower Upper
73 100
43 23.3 16.3 24.5
57 23.3 18.1 27.1

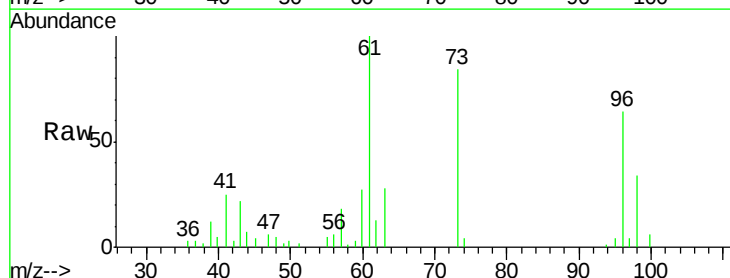


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

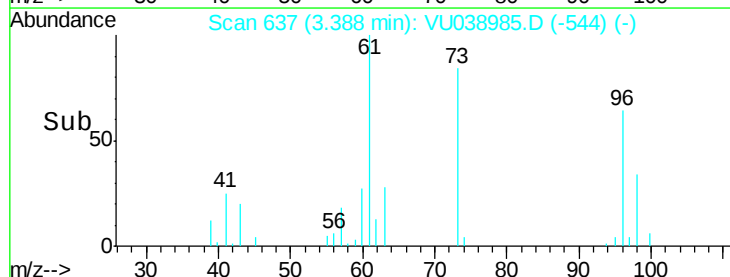
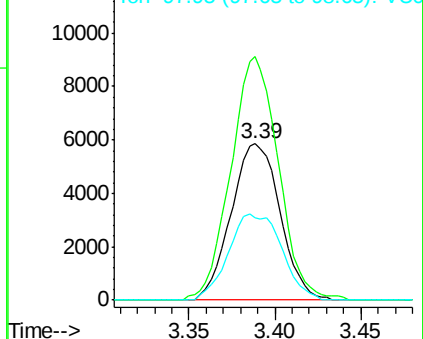


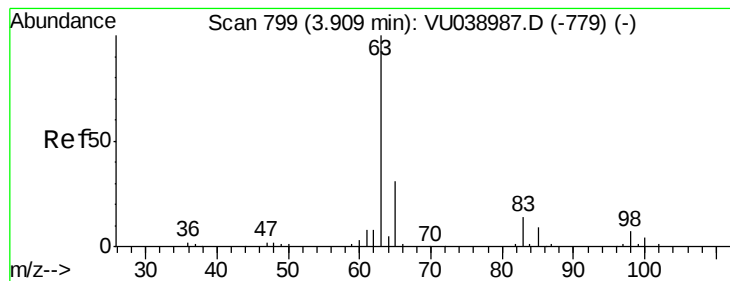
#18
trans-1,2-Dichloroethene
Concen: 0.566 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038985.D
Acq: 19 Jun 2020 15:39

Tgt Ion: 96 Resp: 11585
Ion Ratio Lower Upper
96 100
61 155.8 101.8 189.2
98 52.8 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: 0.599 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

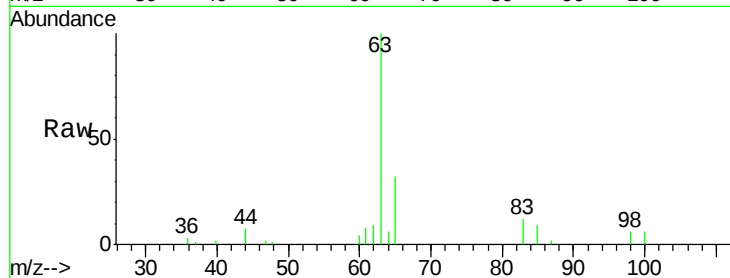
Tgt Ion: 63 Resp: 22488

Ion Ratio Lower Upper

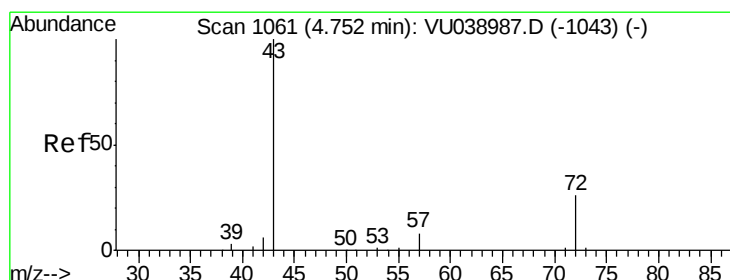
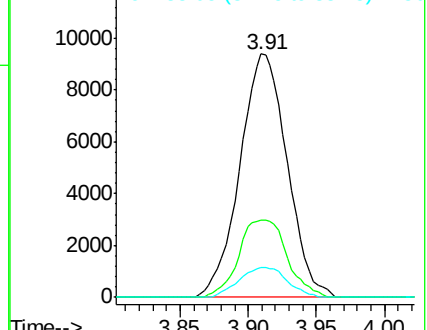
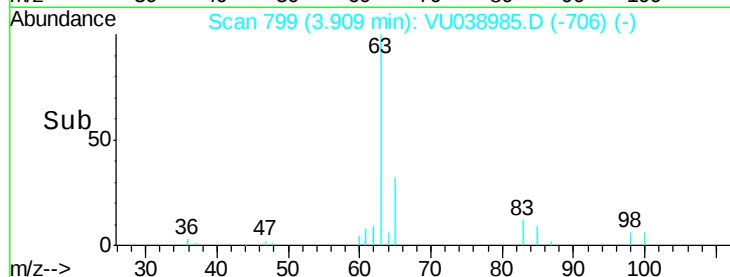
63 100

65 31.9 21.5 39.9

83 12.3 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU038985.D (-779) (-)



#21

2-Butanone

Concen: 5.473 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.01 min

Lab File: VU038985.D

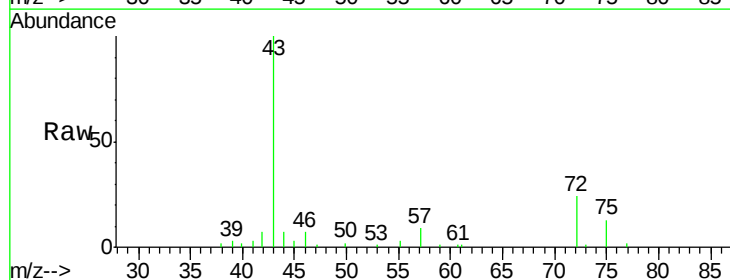
Acq: 19 Jun 2020 15:39

Tgt Ion: 43 Resp: 36874

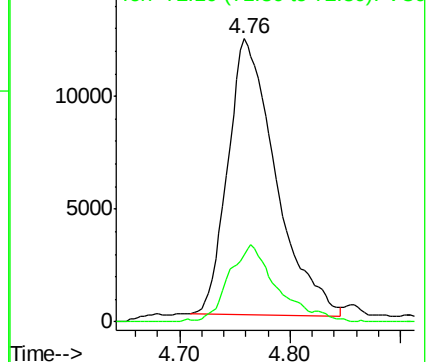
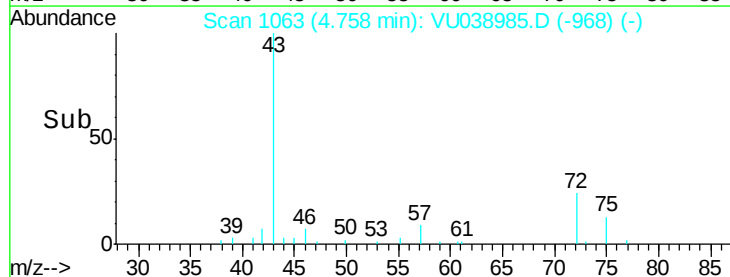
Ion Ratio Lower Upper

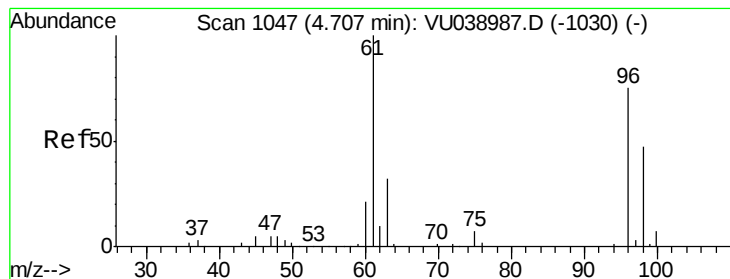
43 100

72 25.0 13.0 38.9



Abundance Ion 43.05 (42.75 to 43.75): VU038985.D (-968) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.576 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

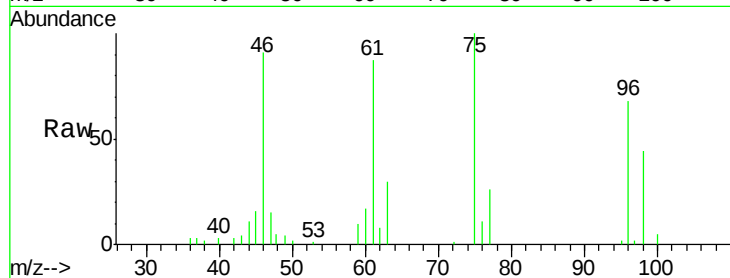
Tgt Ion: 96 Resp: 12096

Ion Ratio Lower Upper

96 100

61 129.1 94.0 174.6

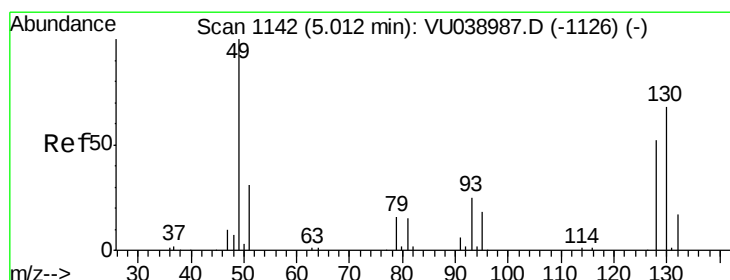
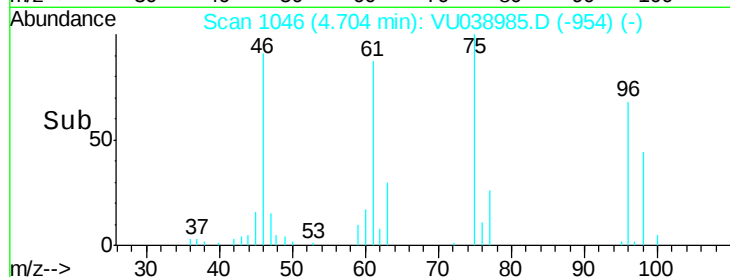
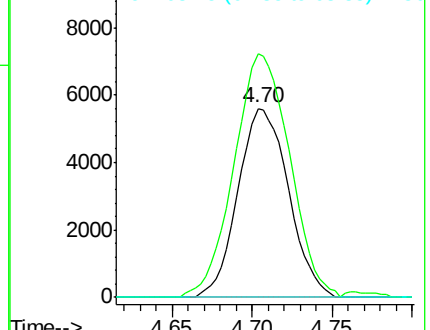
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038987.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU038987.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU038987.D (-1030) (-)



#23

Bromochloromethane

Concen: 0.556 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Tgt Ion: 128 Resp: 5504

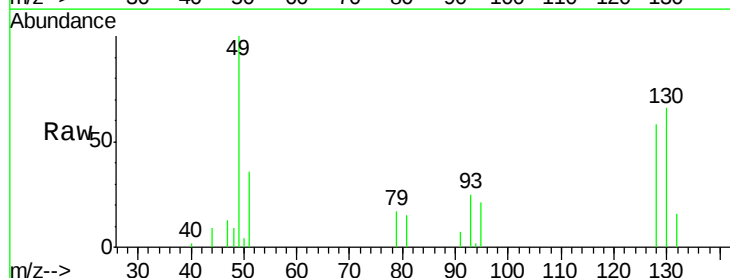
Ion Ratio Lower Upper

128 100

49 173.3 134.5 249.9

130 114.0 91.6 170.2

51 61.6 47.4 71.0

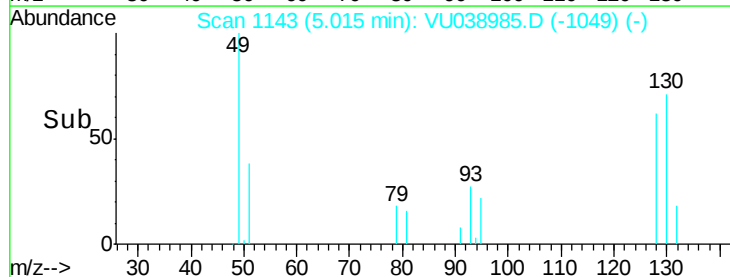
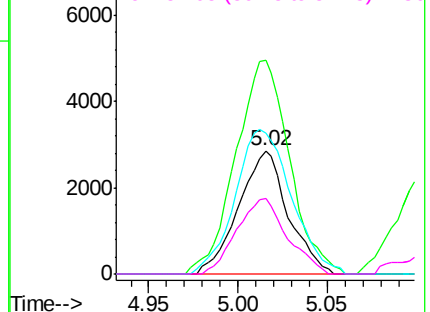


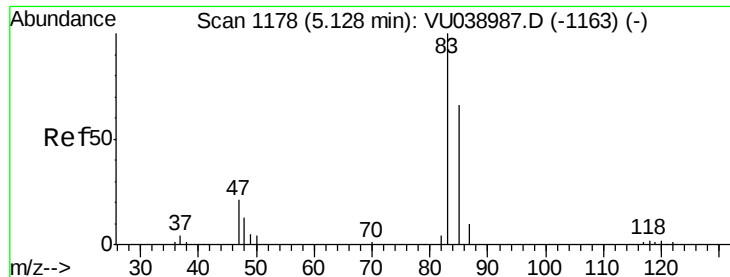
Abundance Ion 127.90 (127.60 to 128.60): VU038987.D (-1126) (-)

Ion 49.10 (48.80 to 49.80): VU038987.D (-1126) (-)

Ion 129.95 (129.65 to 130.65): VU038987.D (-1126) (-)

Ion 51.05 (50.75 to 51.75): VU038987.D (-1126) (-)

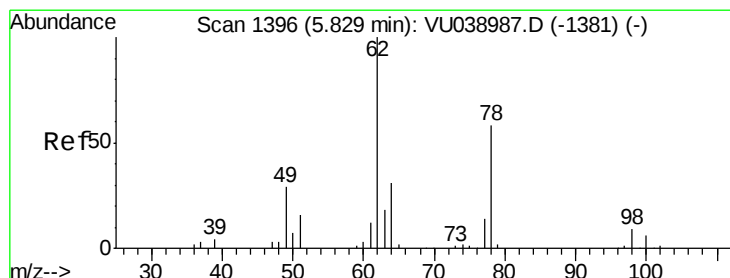
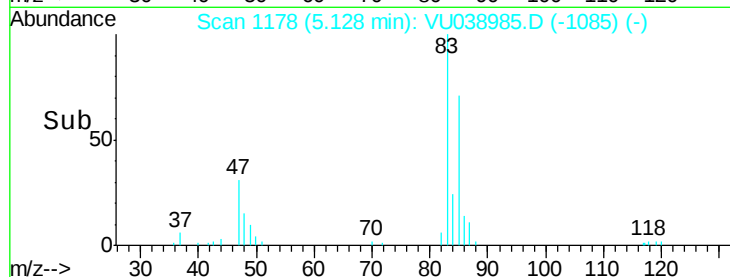
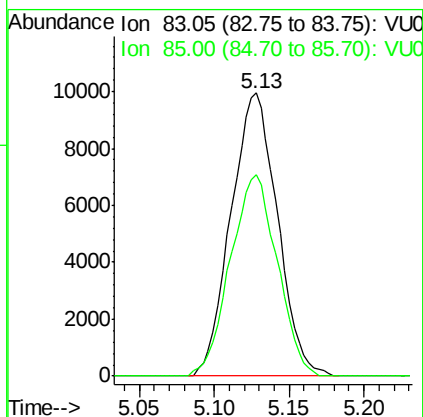
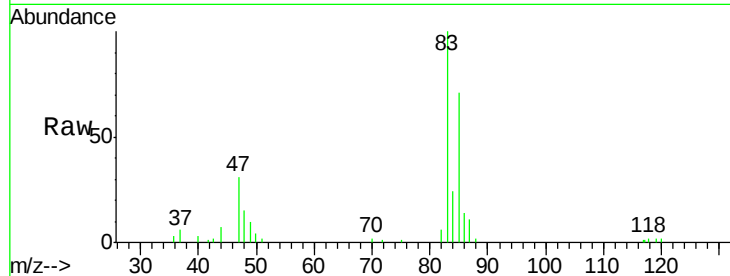




#25
Chloroform
Concen: 0.567 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038985.D
Acq: 19 Jun 2020 15:39

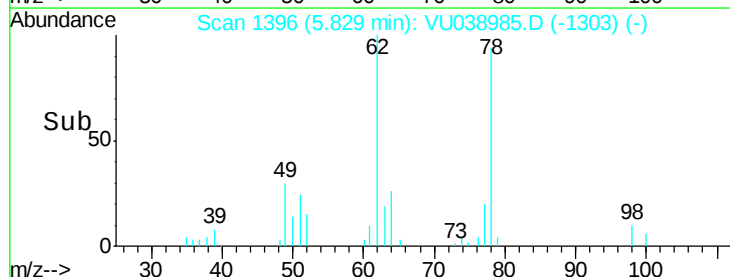
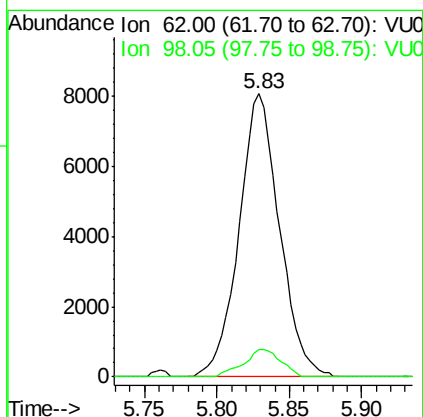
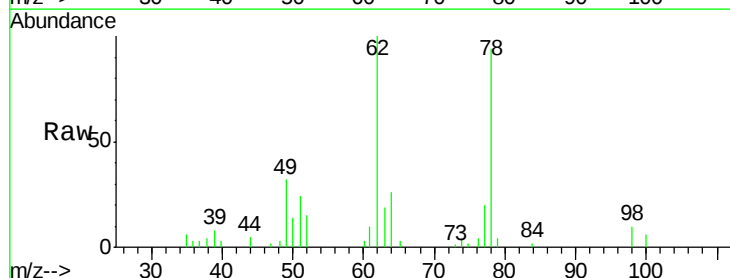
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

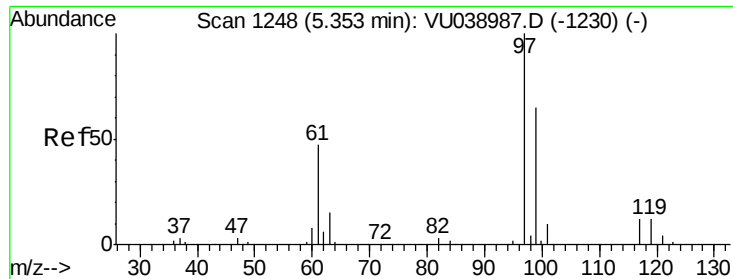
Tgt Ion: 83 Resp: 21528
Ion Ratio Lower Upper
83 100
85 71.0 47.0 87.2



#27
1,2-Dichloroethane
Concen: 0.568 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038985.D
Acq: 19 Jun 2020 15:39

Tgt Ion: 62 Resp: 15689
Ion Ratio Lower Upper
62 100
98 9.8 7.2 10.8

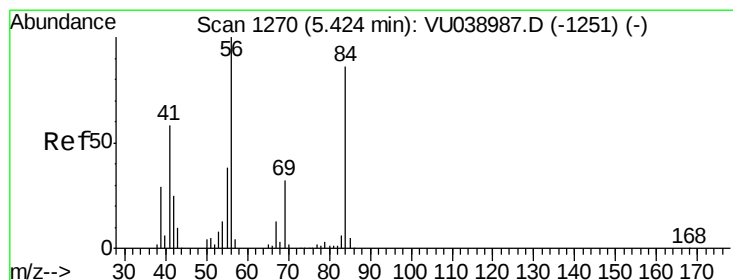
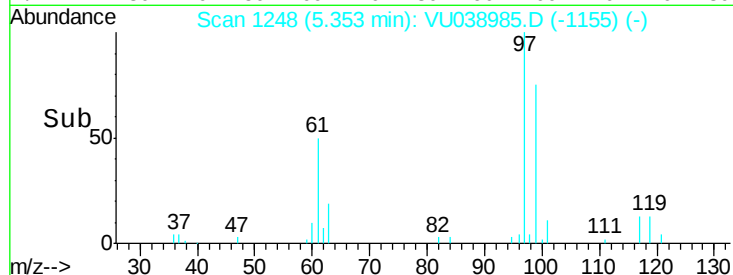
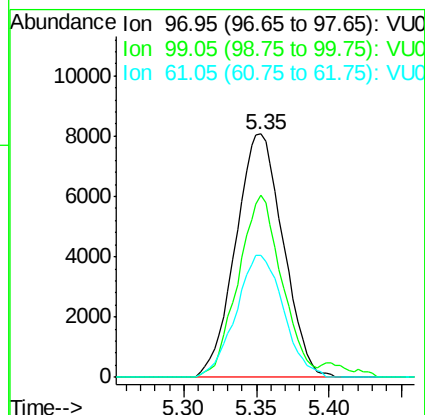
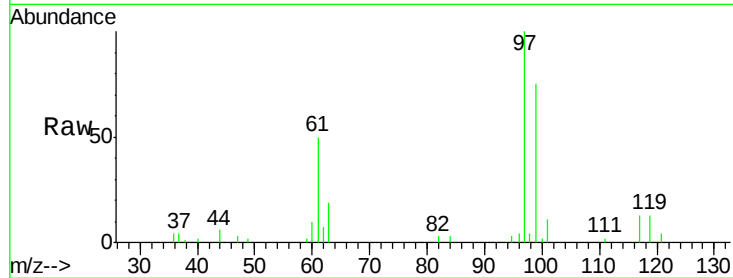




#29
 1,1,1-Trichloroethane
 Concen: 0.533 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

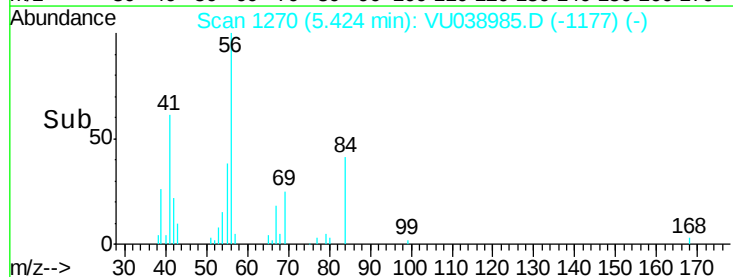
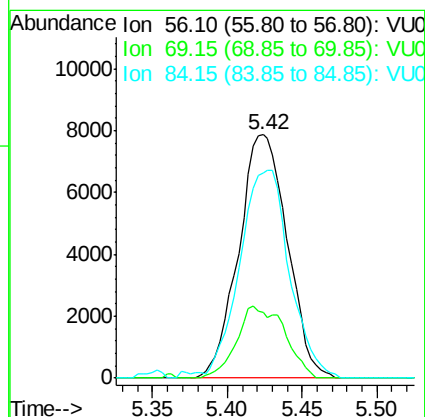
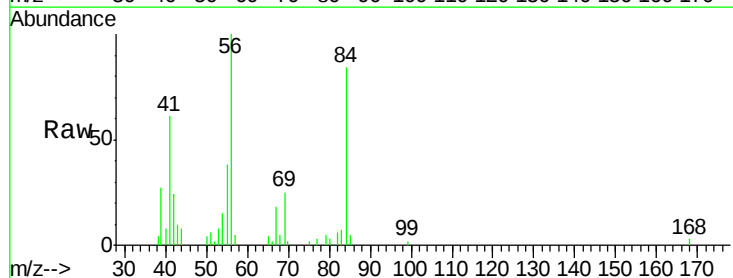
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

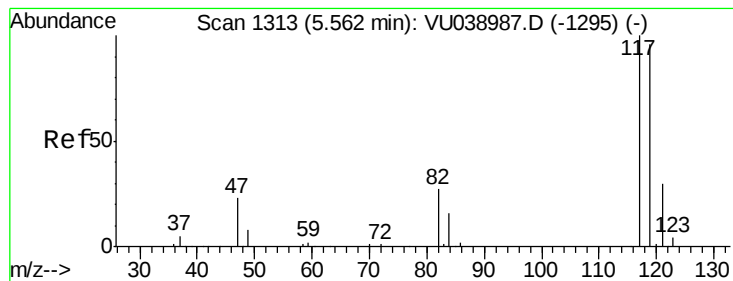
Tgt Ion: 97 Resp: 18392
 Ion Ratio Lower Upper
 97 100
 99 68.8 52.2 78.4
 61 50.1 36.9 55.3



#30
 Cyclohexane
 Concen: 0.536 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

Tgt Ion: 56 Resp: 17796
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.6 37.0
 84 87.5 66.8 100.2





#31

Carbon tetrachloride

Concen: 0.532 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Instrument :

MSVOA_U

ClientSampleId :

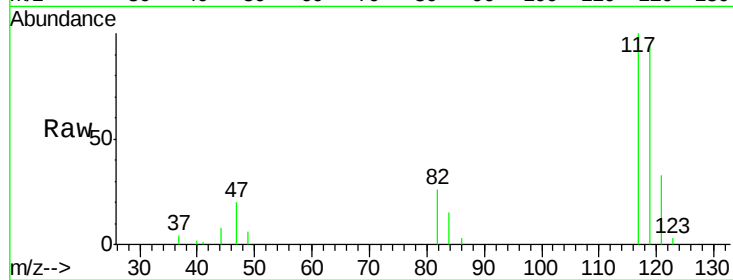
VSTD0.505

Tgt Ion:117 Resp: 16111

Ion Ratio Lower Upper

117 100

119 95.2 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

8000

6000

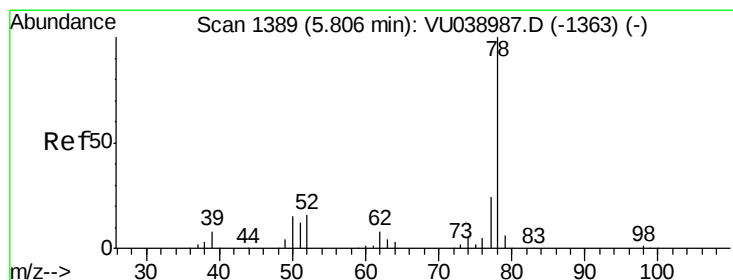
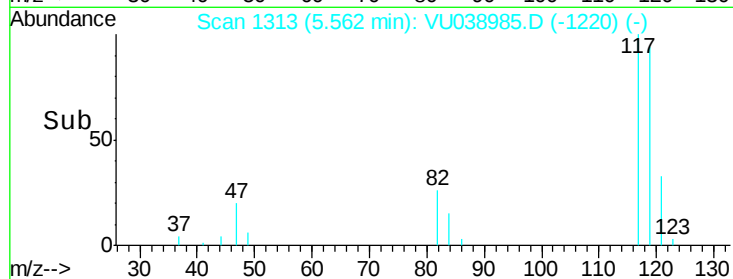
4000

2000

0

Time-->

5.50 5.55 5.60



#33

Benzene

Concen: 0.547 ug/L

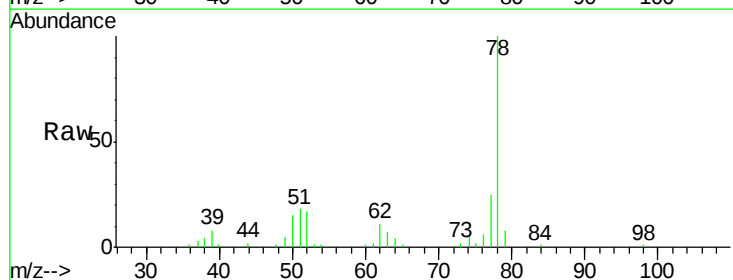
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Tgt Ion: 78 Resp: 46058



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

25000

20000

15000

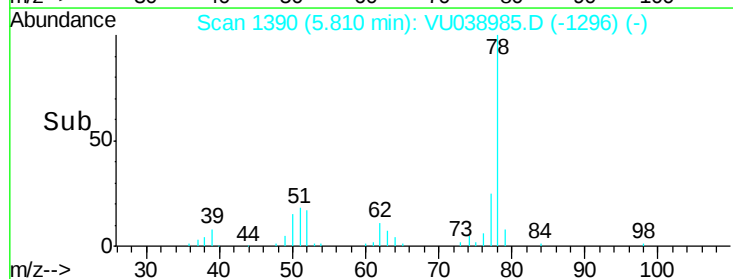
10000

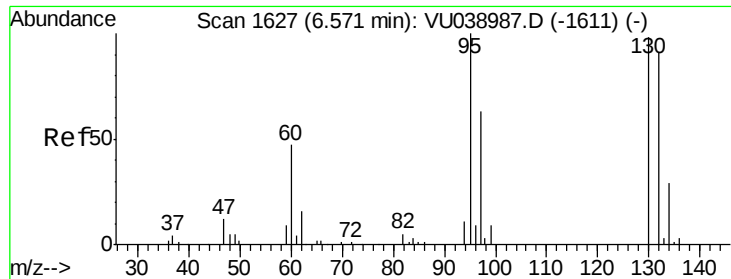
5000

0

Time-->

5.70 5.80 5.90

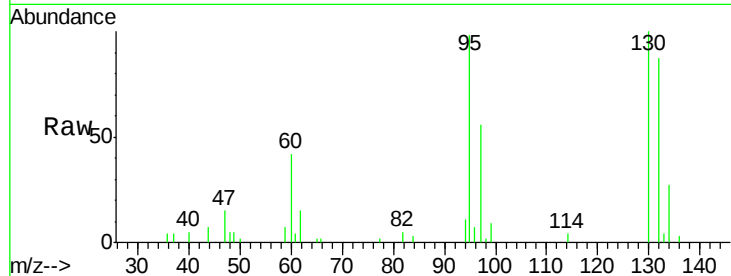




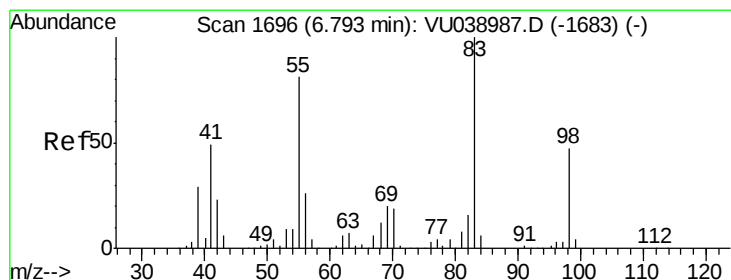
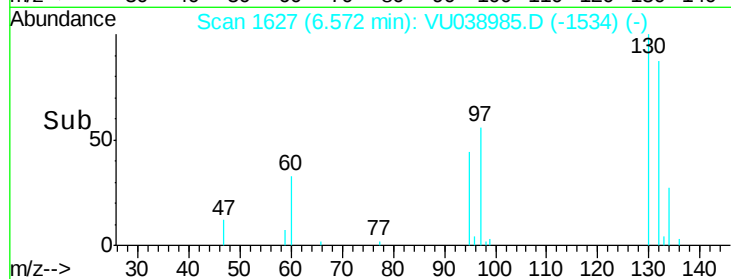
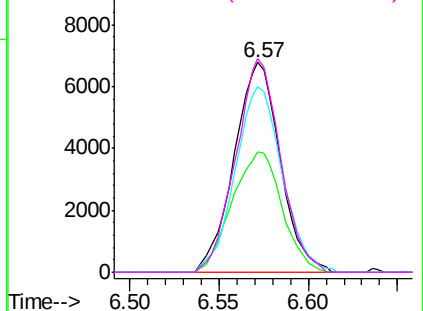
#34
 Trichloroethene
 Concen: 0.575 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tgt Ion:	95	Resp:	12162
Ion	Ratio	Lower	Upper
95	100		
97	57.3	44.0	81.6
132	88.8	63.6	118.0
130	101.9	68.3	126.8

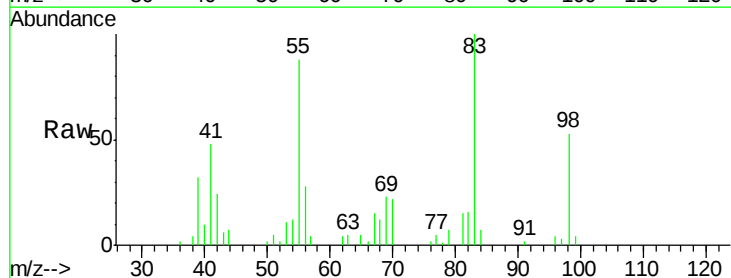


Abundance Ion 95.00 (94.70 to 95.70): VU038985.D (-1611) (-)
 Ion 96.95 (96.65 to 97.65): VU038985.D (-1611) (-)
 Ion 131.95 (131.65 to 132.65): VU038985.D (-1611) (-)
 Ion 129.95 (129.65 to 130.65): VU038985.D (-1611) (-)

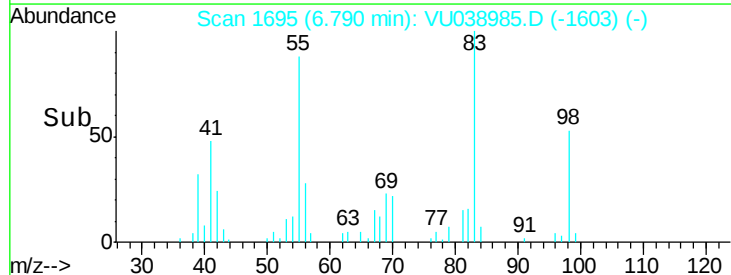
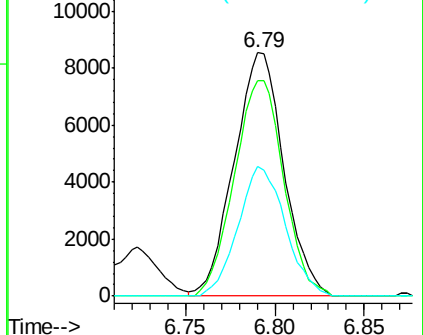


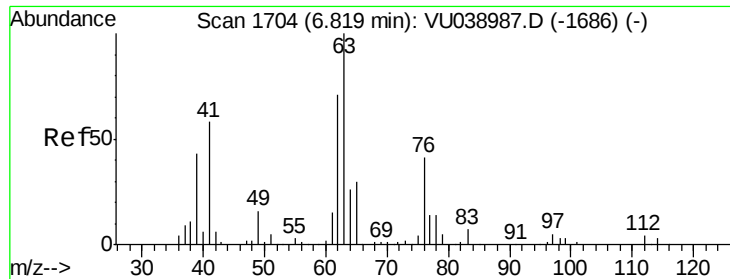
#35
 Methylcyclohexane
 Concen: 0.490 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

Tgt Ion:	83	Resp:	16552
Ion	Ratio	Lower	Upper
83	100		
55	87.9	64.2	96.2
98	50.7	37.3	55.9



Abundance Ion 83.15 (82.85 to 83.85): VU038985.D (-1683) (-)
 Ion 55.10 (54.80 to 55.80): VU038985.D (-1683) (-)
 Ion 98.15 (97.85 to 98.85): VU038985.D (-1683) (-)

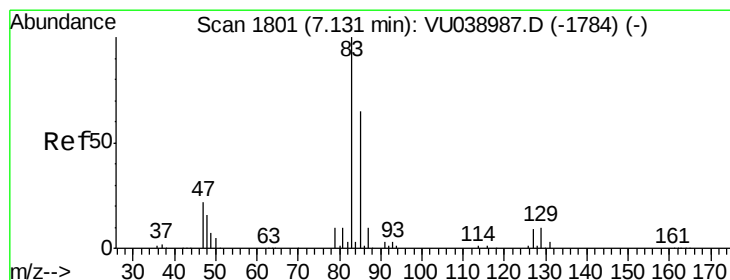
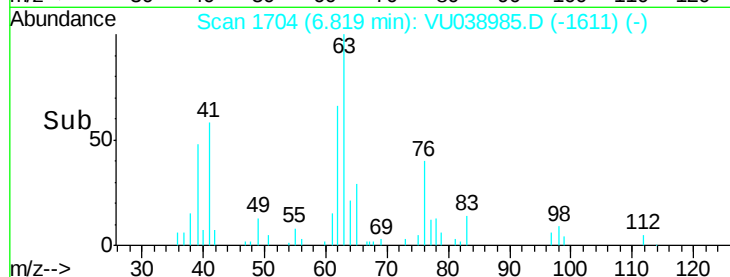
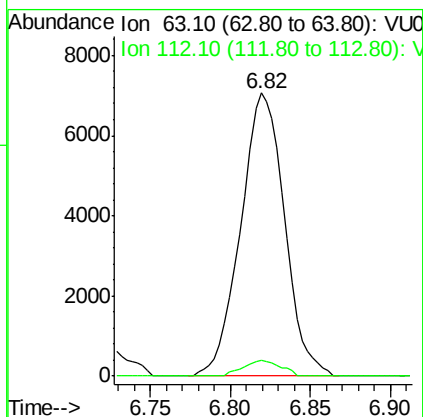
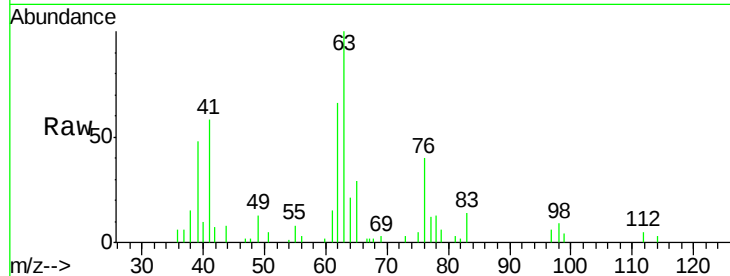




#37
 1,2-Dichloropropane
 Concen: 0.599 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

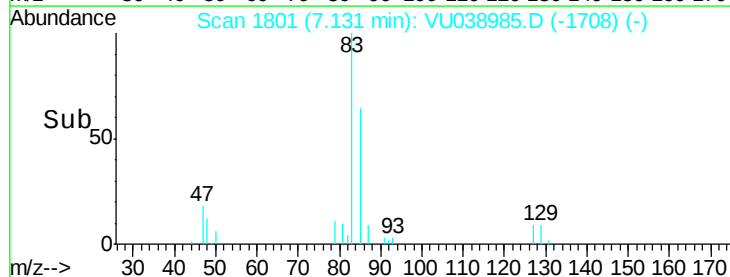
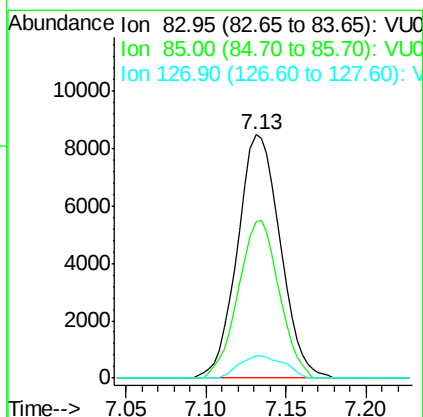
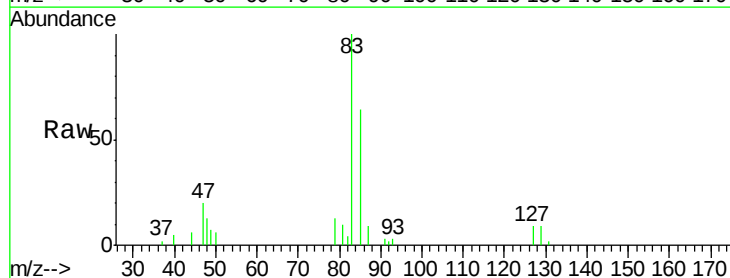
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

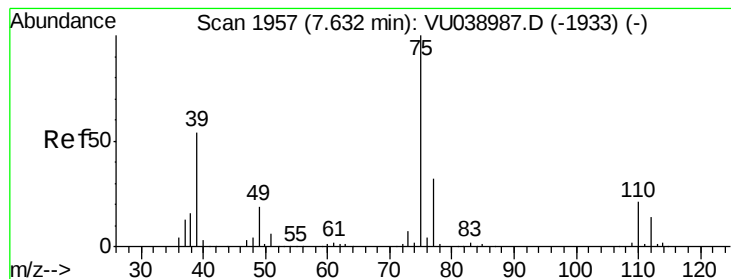
Tgt Ion: 63 Resp: 13234
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 0.526 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

Tgt Ion: 83 Resp: 15469
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.5 84.5
 127 9.0 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 0.501 ug/L

RT: 7.63 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Instrument :

MSVOA_U

ClientSampleId :

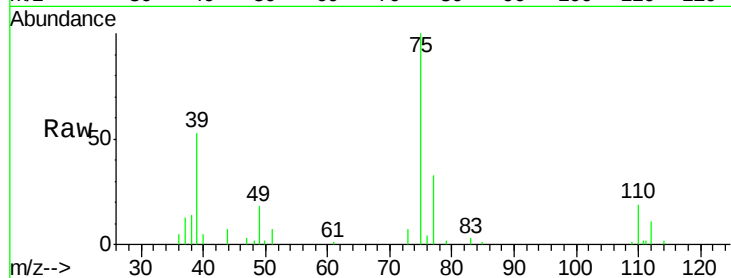
VSTD0.505

Tgt Ion: 75 Resp: 16643

Ion Ratio Lower Upper

75 100

77 33.2 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU038987.D (-1933) (-)

Ion 77.05 (76.75 to 77.75): VU038987.D (-1933) (-)

7.63

10000

8000

6000

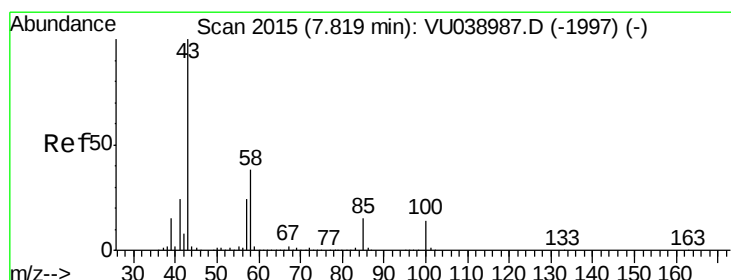
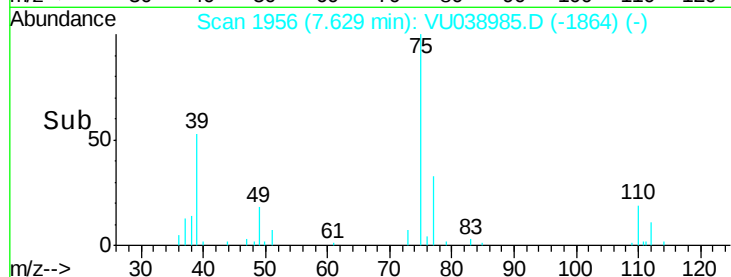
4000

2000

0

Time-->

7.55 7.60 7.65 7.70



#40

4-Methyl-2-pentanone

Concen: 5.313 ug/L

RT: 7.82 min Scan# 2015

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

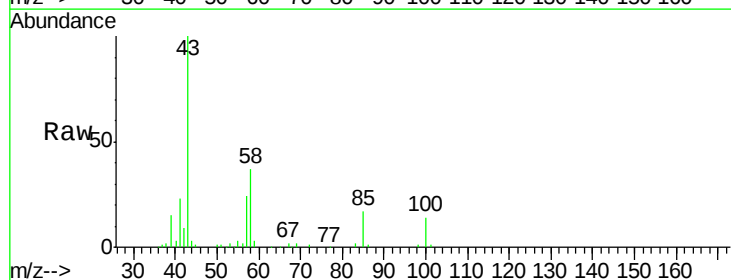
Tgt Ion: 43 Resp: 86536

Ion Ratio Lower Upper

43 100

58 38.4 29.5 44.3

100 14.2 11.0 16.4



Abundance Ion 43.05 (42.75 to 43.75): VU038987.D (-1997) (-)

Ion 58.05 (57.75 to 58.75): VU038987.D (-1997) (-)

Ion 100.15 (99.85 to 100.85): VU038987.D (-1997) (-)

7.82

60000

50000

40000

30000

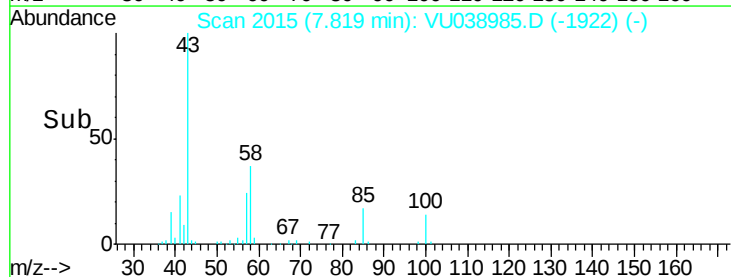
20000

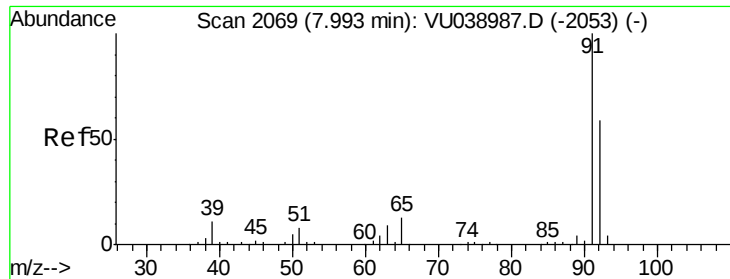
10000

0

Time-->

7.75 7.80 7.85 7.90





#42

Toluene

Concen: 0.503 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Instrument :

MSVOA_U

ClientSampleId :

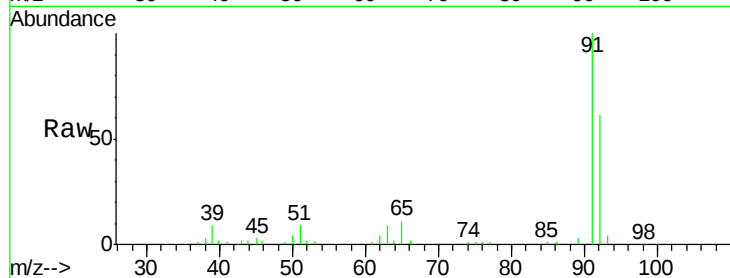
VSTD0.505

Tgt Ion: 91 Resp: 45147

Ion Ratio Lower Upper

91 100

92 60.8 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU038987.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU038987.D (-2053) (-)

7.99

30000

25000

20000

15000

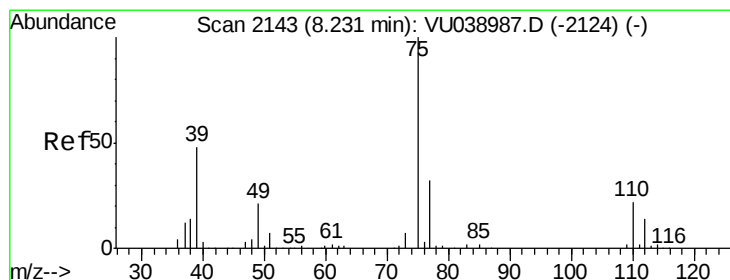
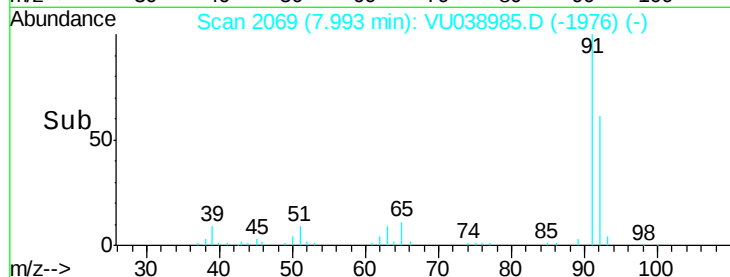
10000

5000

0

7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.506 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038985.D

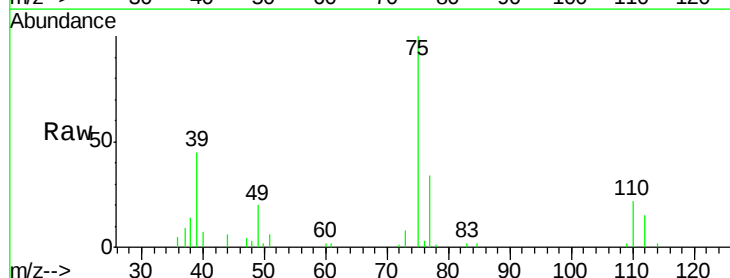
Acq: 19 Jun 2020 15:39

Tgt Ion: 75 Resp: 15613

Ion Ratio Lower Upper

75 100

77 33.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU038987.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU038987.D (-2124) (-)

8.23

10000

8000

6000

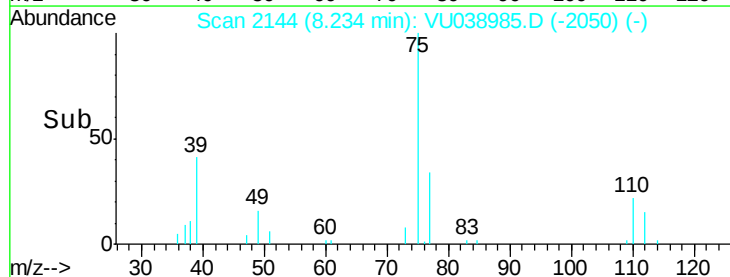
4000

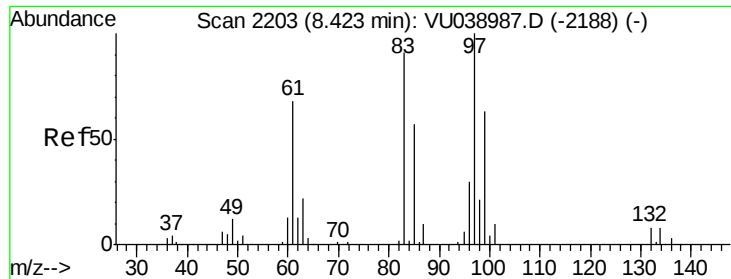
2000

0

8.15 8.20 8.25 8.30

Time-->

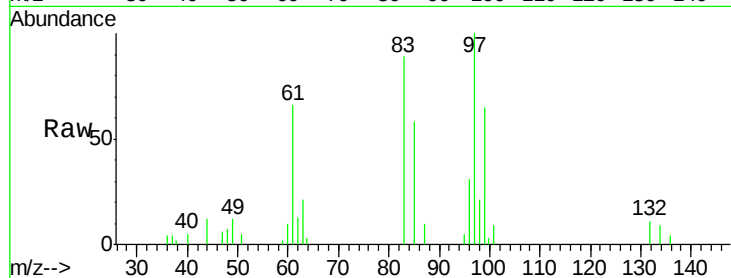




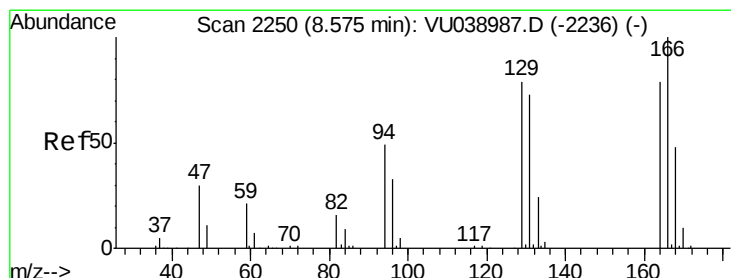
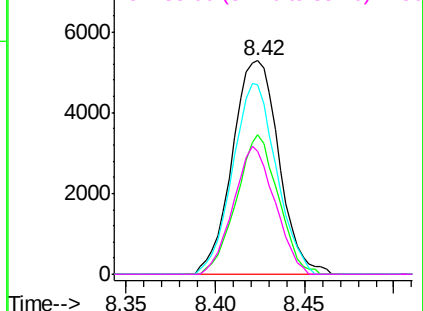
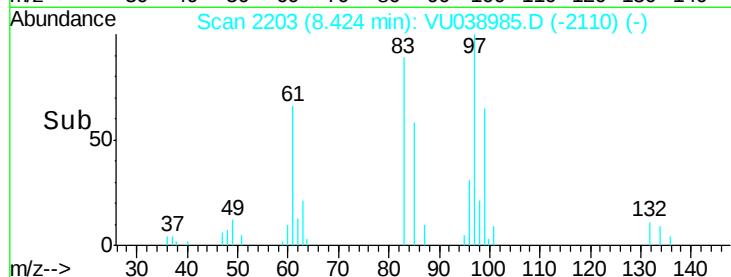
#45
 1,1,2-Trichloroethane
 Concen: 0.570 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tgt Ion:	97	Resp:	9612
Ion	Ratio	Lower	Upper
97	100		
99	65.3	44.0	81.8
83	88.7	63.6	118.0
85	57.8	39.7	73.7

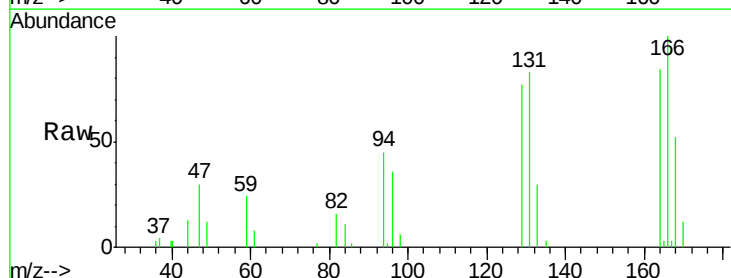


Abundance Ion 96.95 (96.65 to 97.65): VU038985.D (-2110) (-)

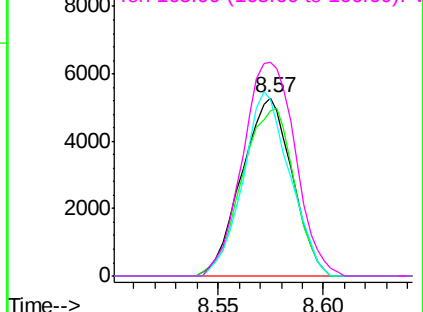
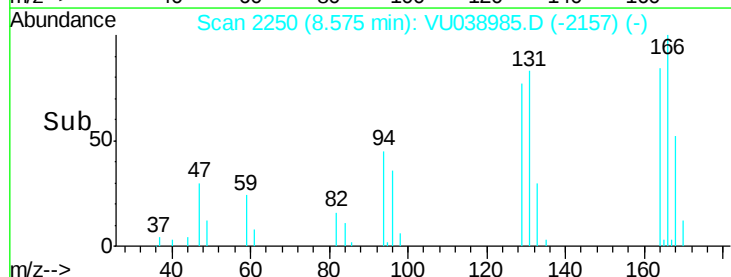


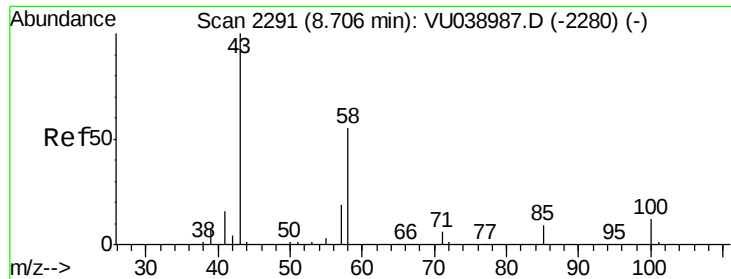
#47
 Tetrachloroethene
 Concen: 0.539 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

Tgt Ion:	164	Resp:	8810
Ion	Ratio	Lower	Upper
164	100		
129	92.3	69.7	129.5
131	99.0	65.0	120.8
166	119.6	88.5	164.4



Abundance Ion 163.90 (163.60 to 164.60): VU038985.D (-2157) (-)

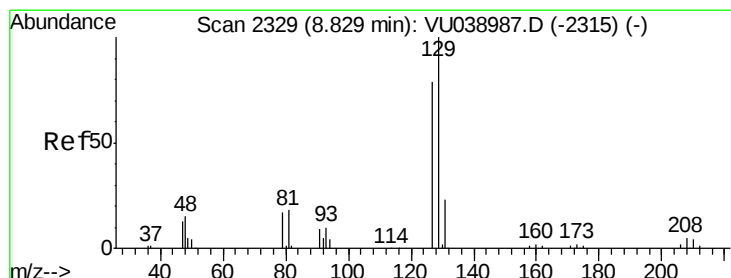
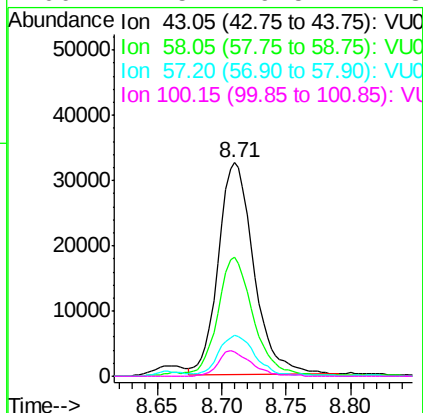
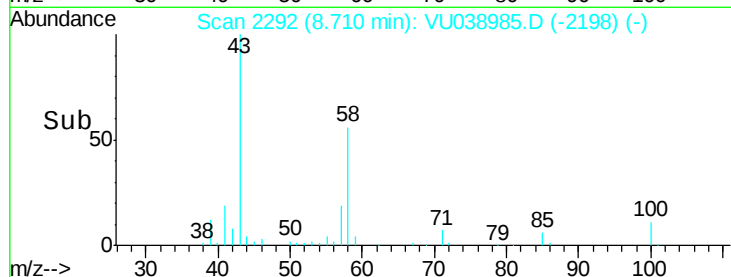
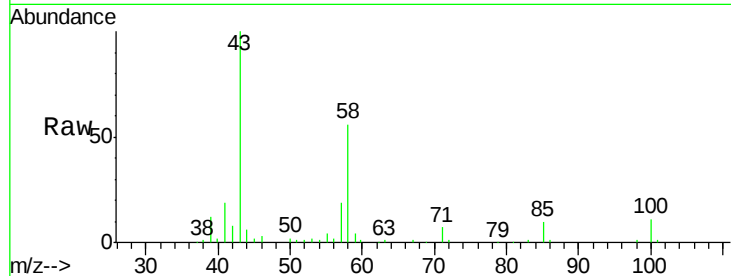




#48
2-Hexanone
Concen: 5.378 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU038985.D
Acq: 19 Jun 2020 15:39

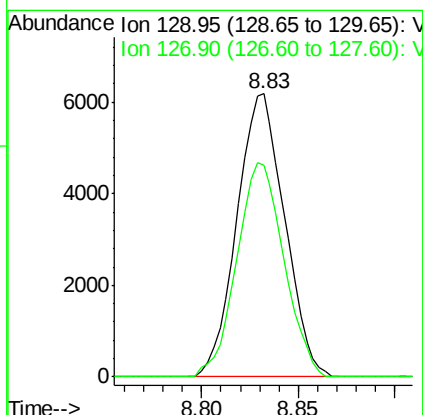
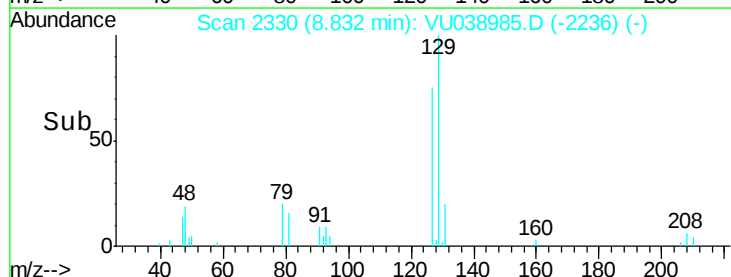
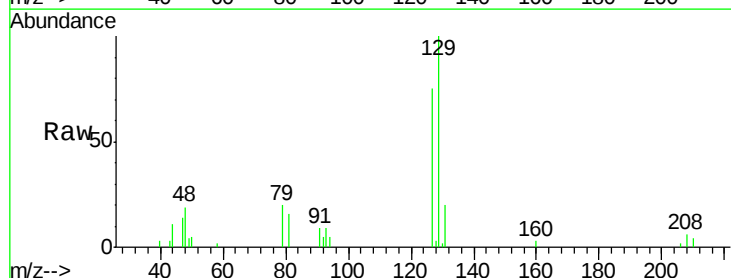
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

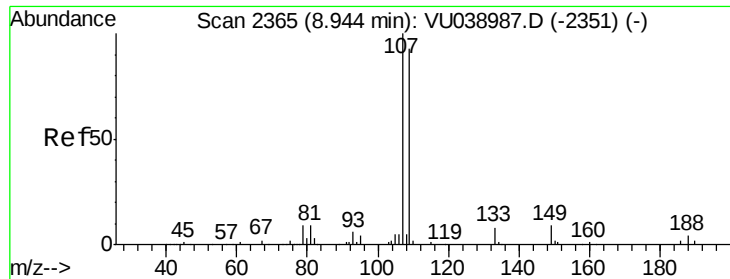
Tgt Ion:	43	Resp:	62620
Ion	Ratio	Lower	Upper
43	100		
58	57.5	43.2	64.8
57	18.4	15.2	22.8
100	11.5	9.5	14.3



#49
Dibromochloromethane
Concen: 0.551 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038985.D
Acq: 19 Jun 2020 15:39

Tgt Ion:	129	Resp:	10583
Ion	Ratio	Lower	Upper
129	100		
127	74.7	55.1	102.3

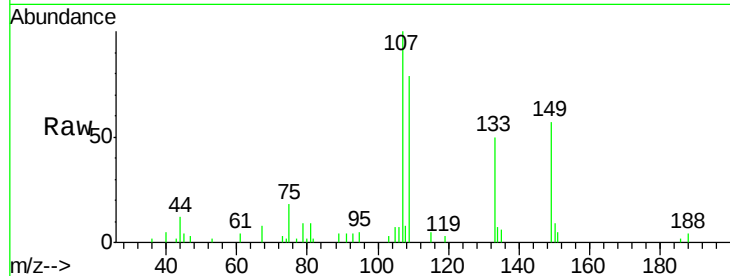




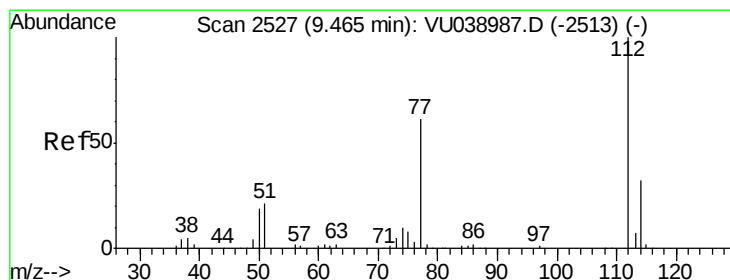
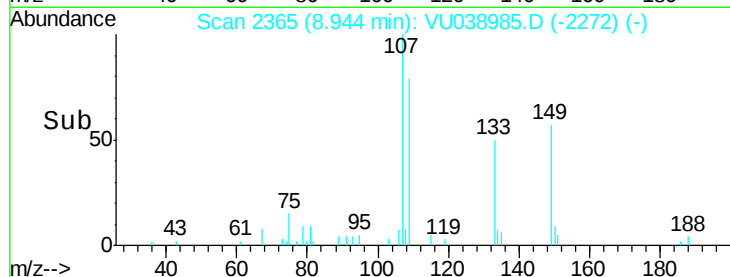
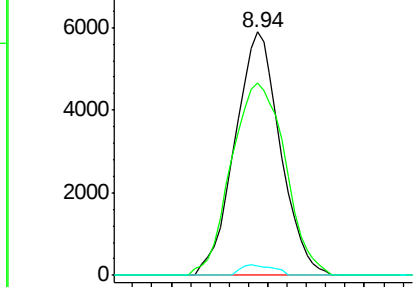
#50
1,2-Dibromoethane
Concen: 0.589 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU038985.D
Acq: 19 Jun 2020 15:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Tgt Ion:107 Resp: 9581
Ion Ratio Lower Upper
107 100
109 79.2 65.5 121.6
188 4.0 3.0 4.4

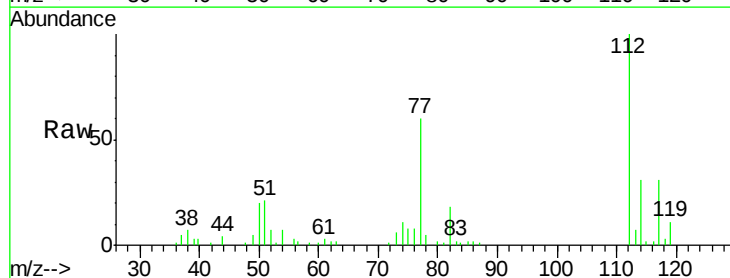


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

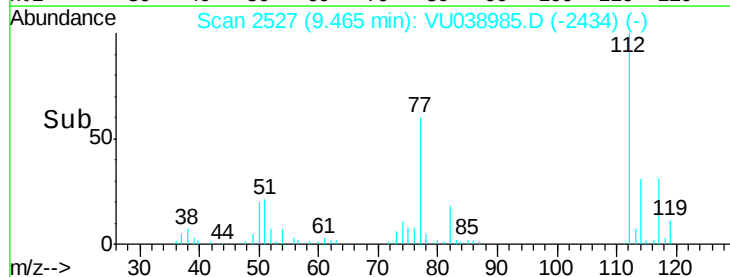
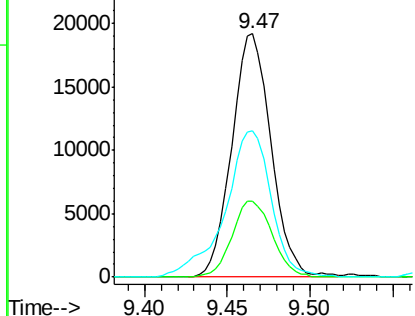


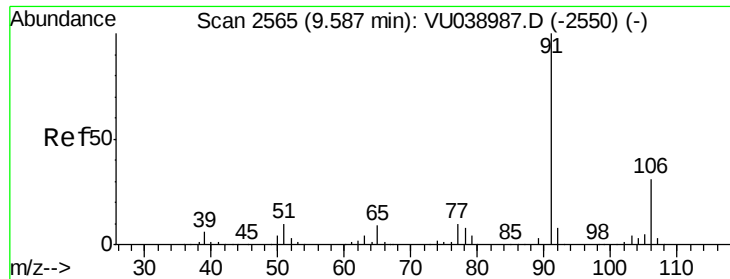
#51
Chlorobenzene
Concen: 0.566 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038985.D
Acq: 19 Jun 2020 15:39

Tgt Ion:112 Resp: 31727
Ion Ratio Lower Upper
112 100
114 31.2 22.0 41.0
77 60.3 49.0 73.4



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: 0.501 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Instrument :

MSVOA_U

ClientSampleId :

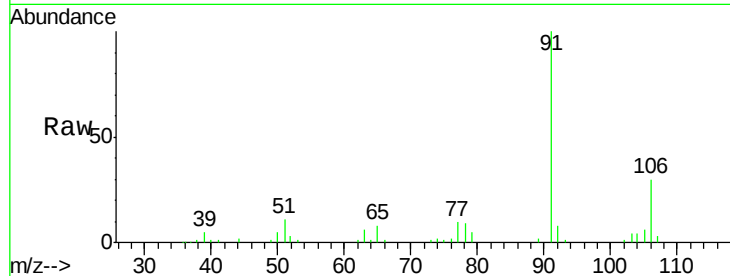
VSTD0.505

Tgt Ion: 91 Resp: 46764

Ion Ratio Lower Upper

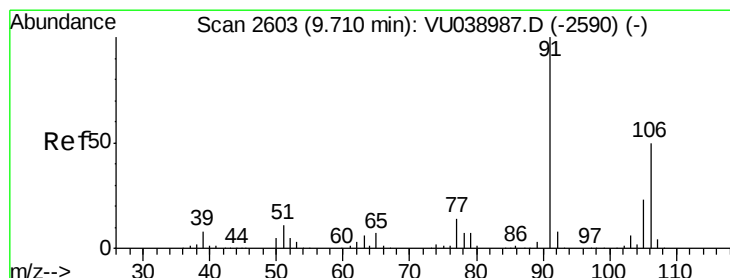
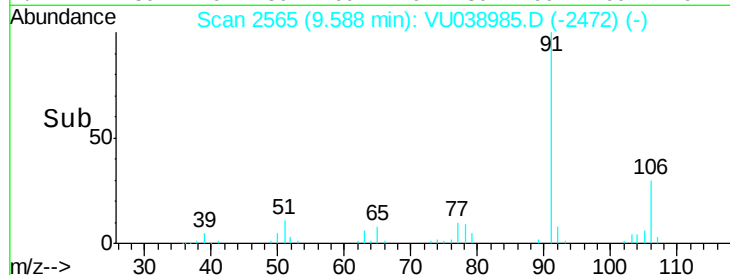
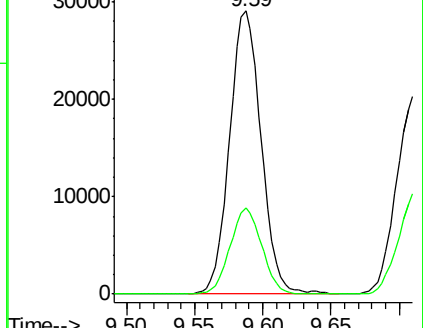
91 100

106 30.5 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VU038987.D (-2550) (-)

Ion 106.15 (105.85 to 106.85): VU038987.D (-2550) (-)



#53

m,p-Xylene

Concen: 0.469 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038985.D

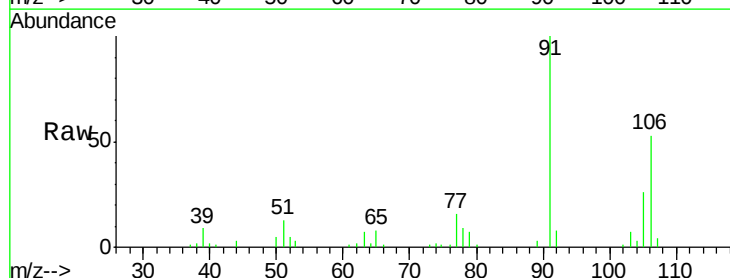
Acq: 19 Jun 2020 15:39

Tgt Ion: 106 Resp: 16895

Ion Ratio Lower Upper

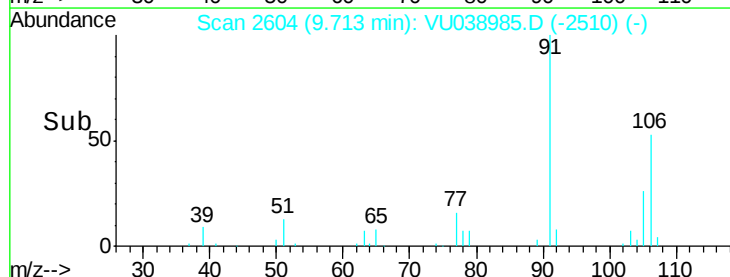
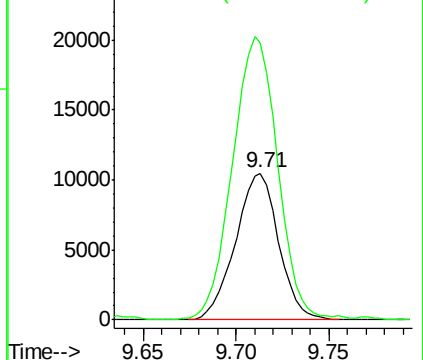
106 100

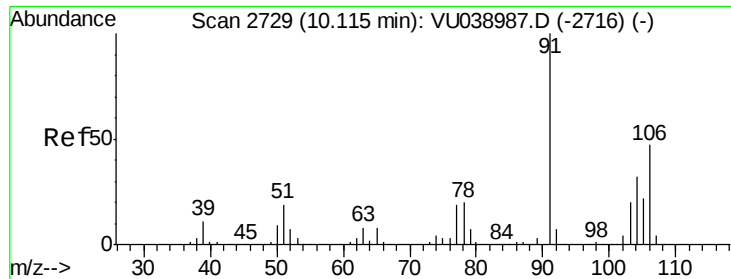
91 189.1 140.8 261.6



Abundance Ion 106.15 (105.85 to 106.85): VU038987.D (-2590) (-)

Ion 91.15 (90.85 to 91.85): VU038987.D (-2590) (-)

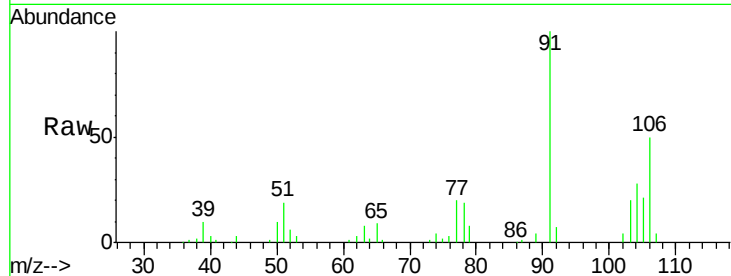




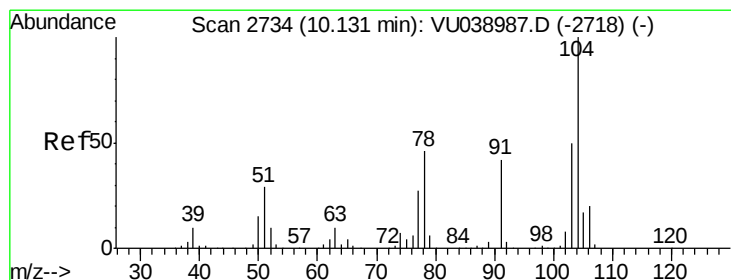
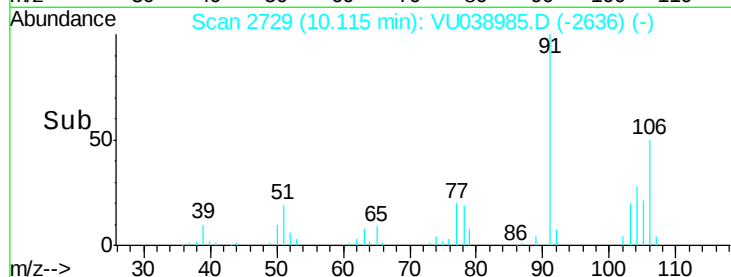
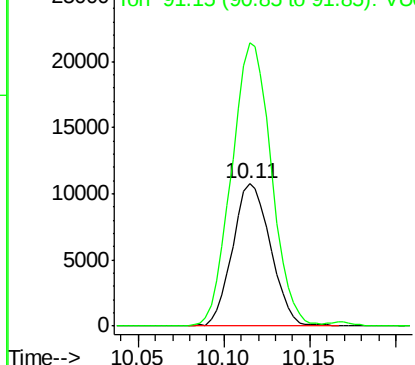
#54
o-Xylene
Concen: 0.479 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU038985.D
Acq: 19 Jun 2020 15:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.505

Tgt Ion:106 Resp: 16537
Ion Ratio Lower Upper
106 100
91 198.7 148.2 275.2

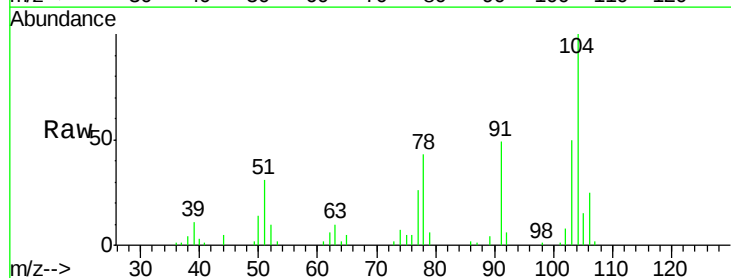


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

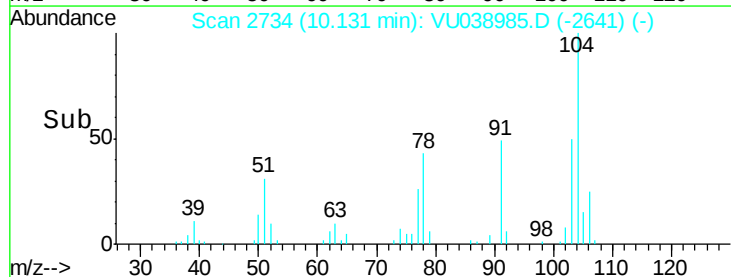
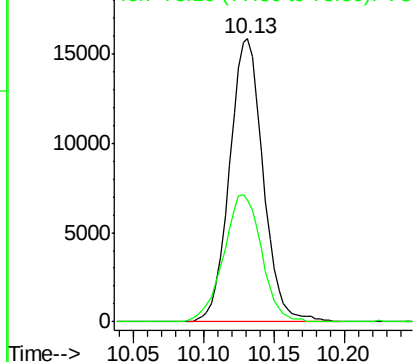


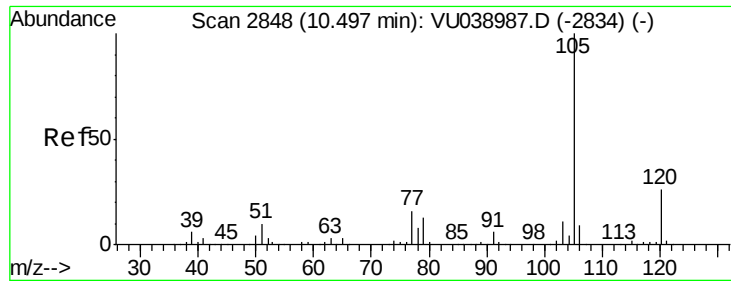
#55
Styrene
Concen: 0.444 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038985.D
Acq: 19 Jun 2020 15:39

Tgt Ion:104 Resp: 26385
Ion Ratio Lower Upper
104 100
78 43.3 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: 0.497 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

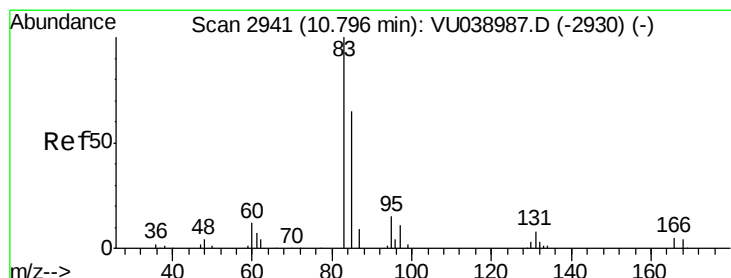
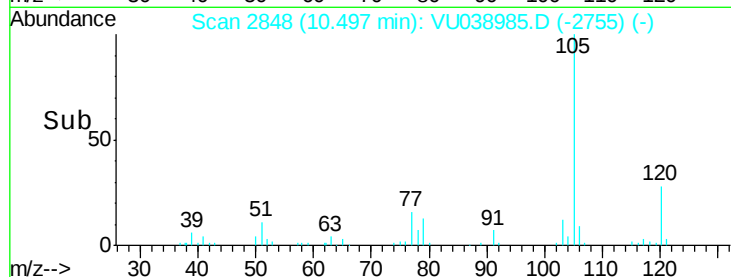
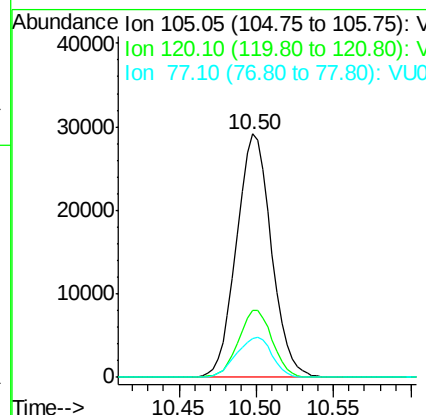
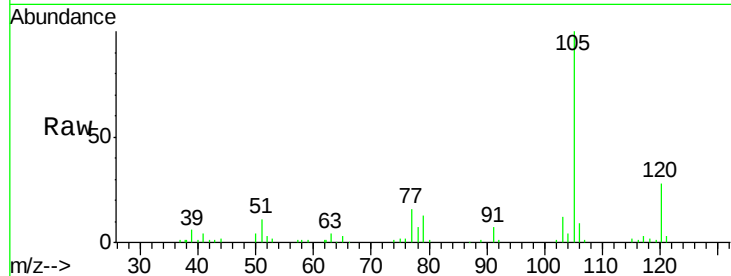
Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

Tgt Ion:	105	Resp:	45665
Ion	Ratio	Lower	Upper
105	100		
120	26.6	20.7	31.1
77	16.9	12.9	19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 0.555 ug/L

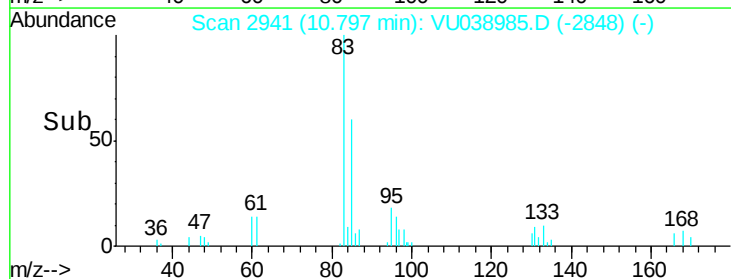
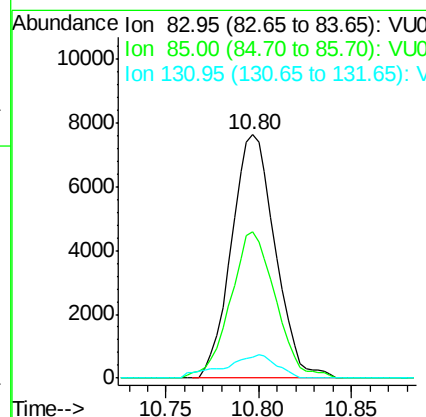
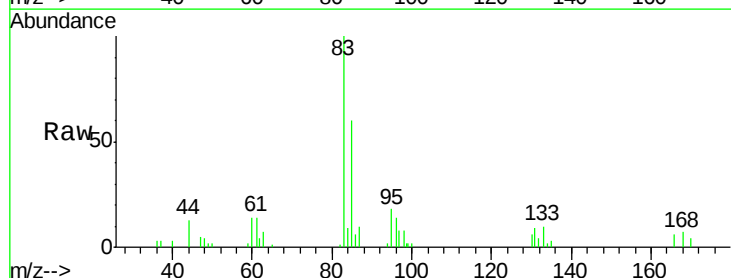
RT: 10.80 min Scan# 2941

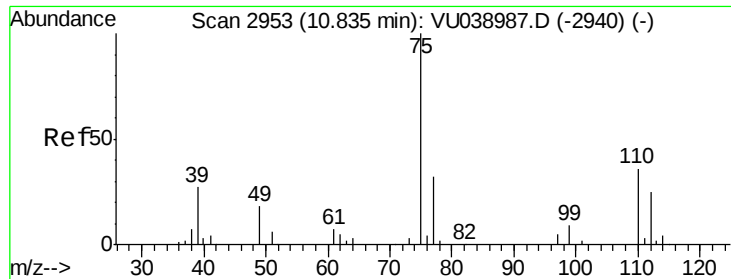
Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Tgt Ion:	83	Resp:	12453
Ion	Ratio	Lower	Upper
83	100		
85	60.3	45.6	84.6
131	8.6	7.0	10.6

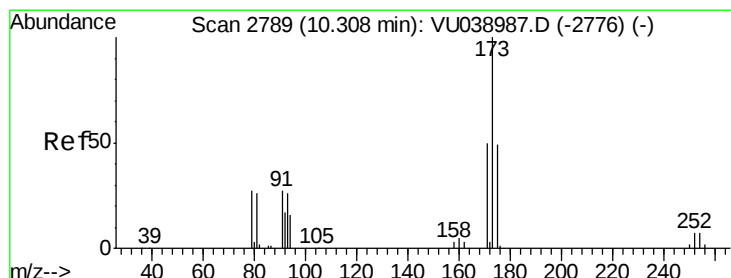
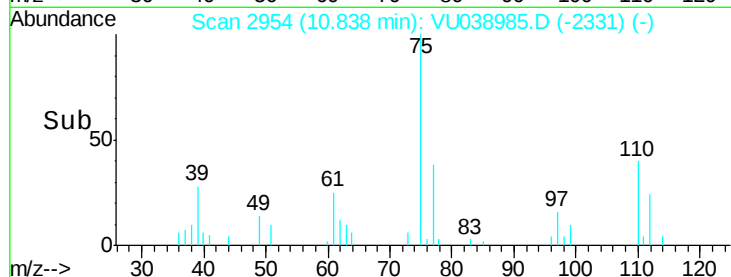
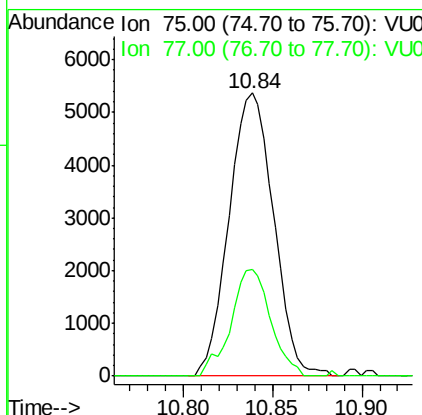
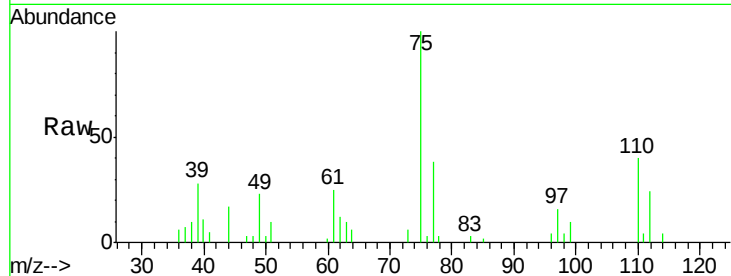




#59
 1,2,3-Trichloropropane
 Concen: 0.565 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

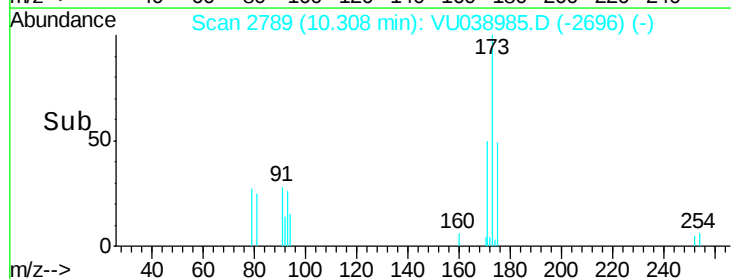
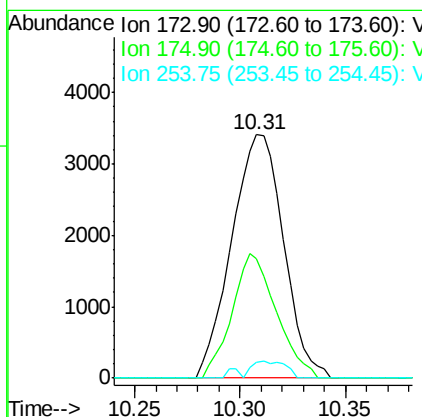
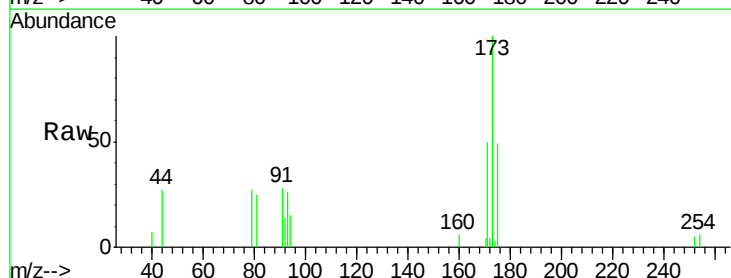
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

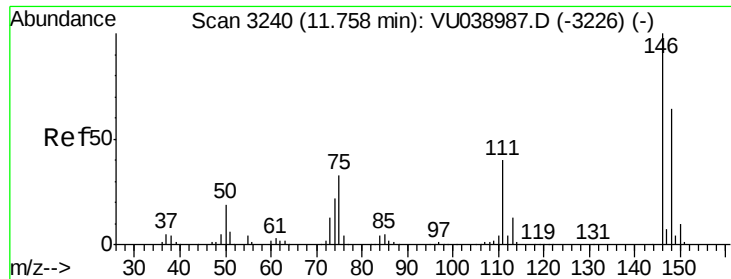
Tgt Ion: 75 Resp: 9317
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.9 38.9



#61
 Bromoform
 Concen: 0.530 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

Tgt Ion: 173 Resp: 5828
 Ion Ratio Lower Upper
 173 100
 175 43.6 39.1 58.7
 254 4.5 5.6 8.4#

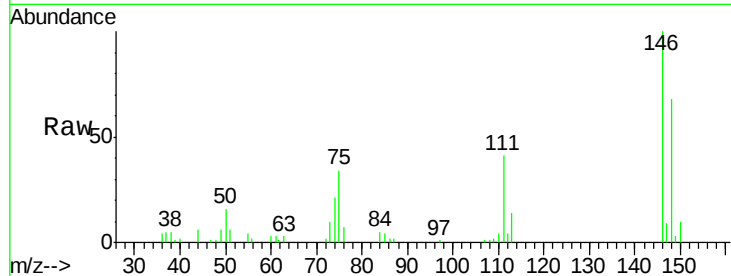




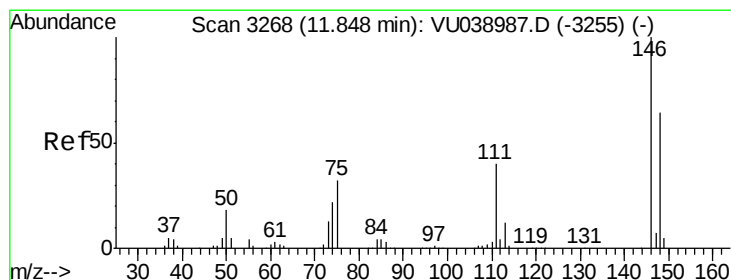
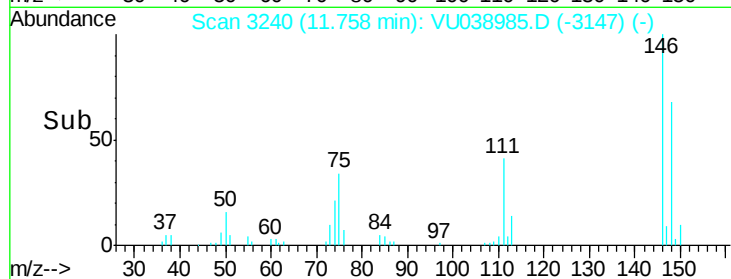
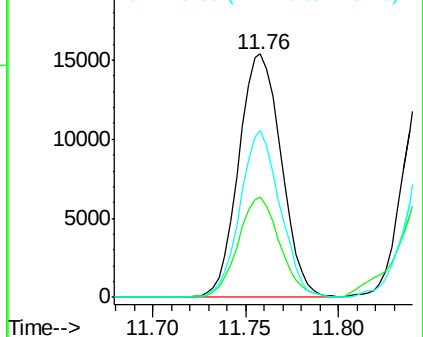
#62
 1,3-Dichlorobenzene
 Concen: 0.571 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tgt Ion:146 Resp: 24583
 Ion Ratio Lower Upper
 146 100
 111 41.1 27.8 51.6
 148 68.3 45.1 83.7

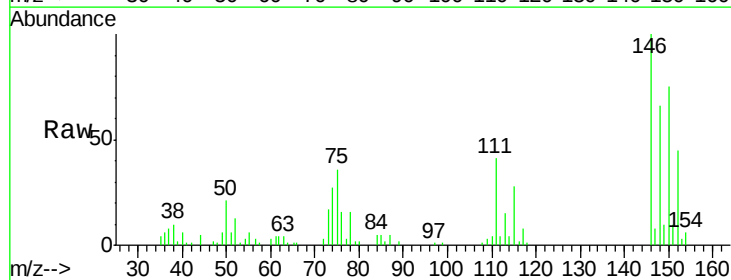


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

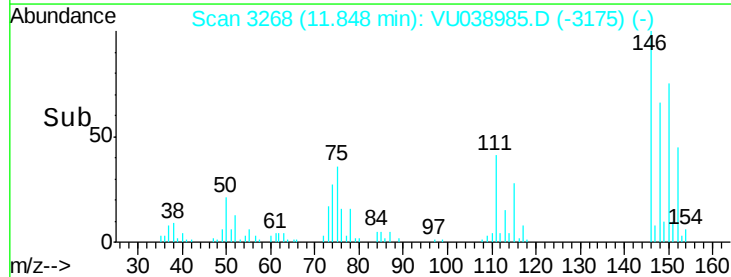
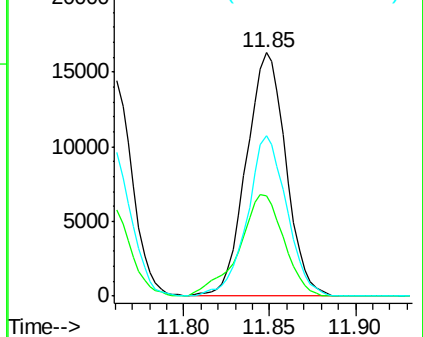


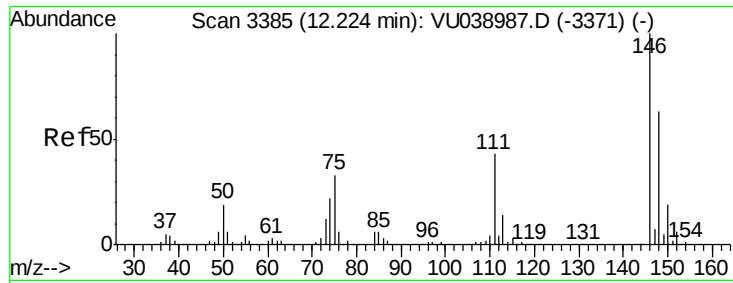
#63
 1,4-Dichlorobenzene
 Concen: 0.590 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

Tgt Ion:146 Resp: 26029
 Ion Ratio Lower Upper
 146 100
 111 41.4 28.1 52.3
 148 66.0 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: 0.557 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

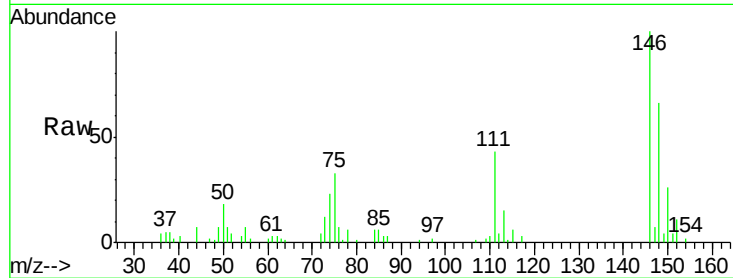
Tgt Ion: 146 Resp: 23599

Ion Ratio Lower Upper

146 100

111 43.0 34.4 51.6

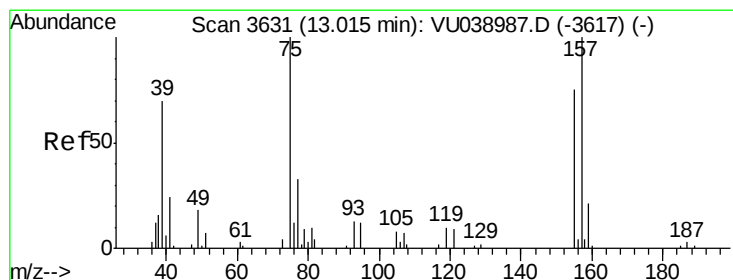
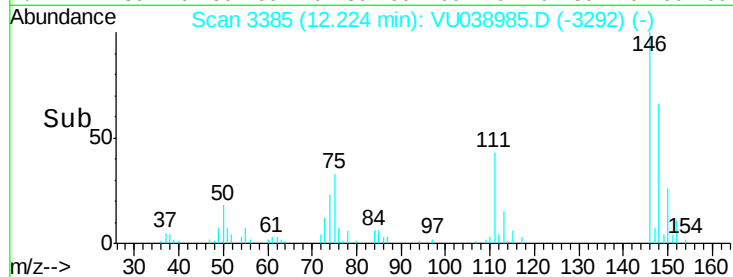
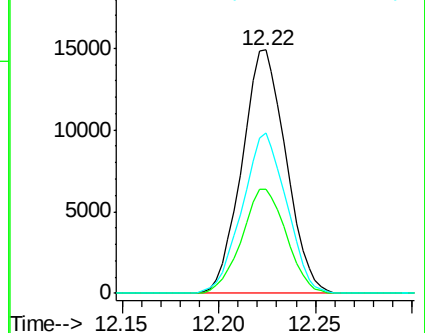
148 65.7 50.6 75.8



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: 0.509 ug/L

RT: 13.02 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

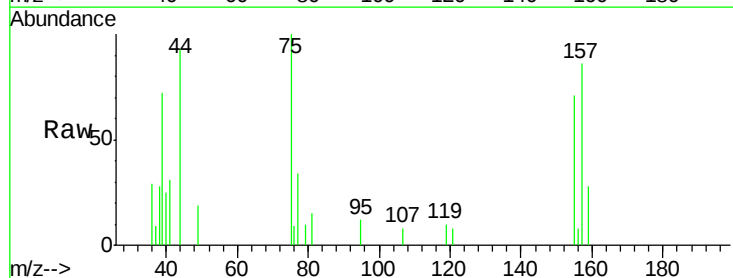
Tgt Ion: 75 Resp: 2101

Ion Ratio Lower Upper

75 100

155 70.9 59.9 89.9

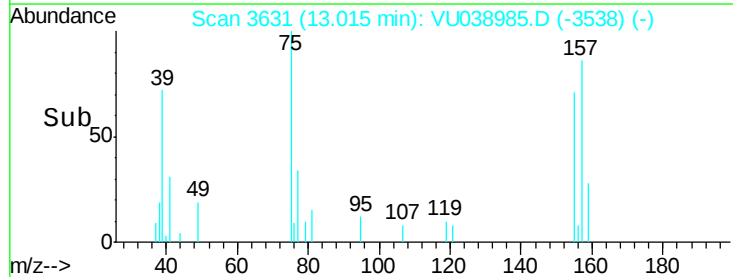
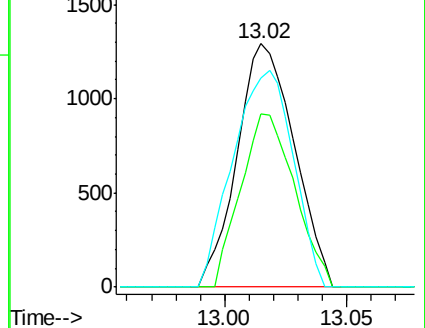
157 85.6 79.9 119.9

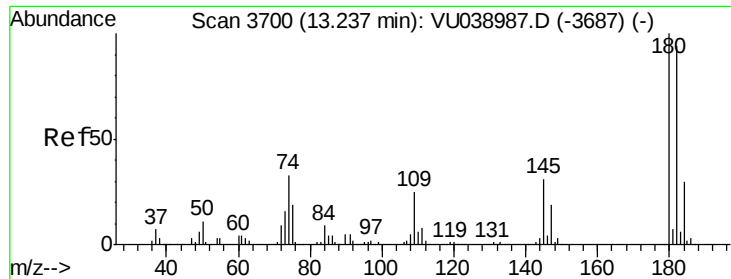


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

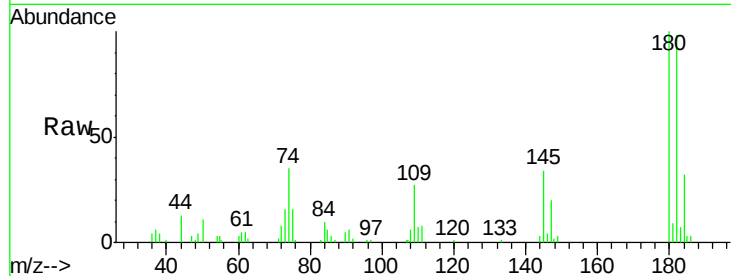




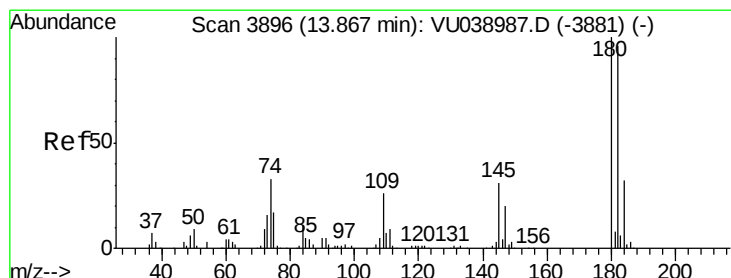
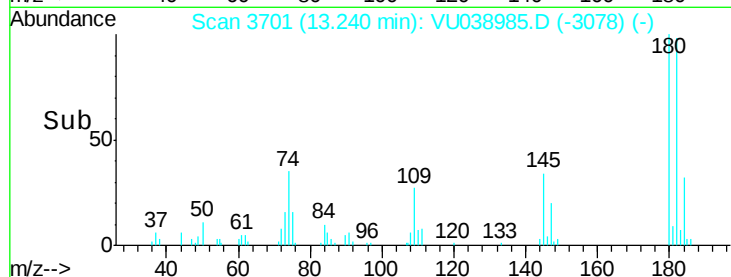
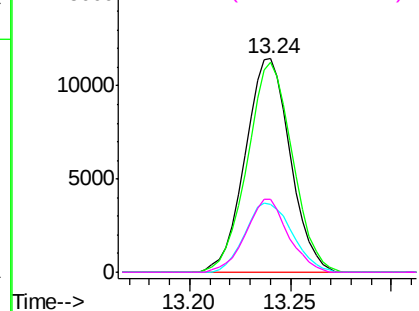
#67
 1,3,5-Trichlorobenzene
 Concen: 0.520 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.505

Tgt Ion:180 Resp: 17903
 Ion Ratio Lower Upper
 180 100
 182 98.4 76.0 114.0
 184 33.9 24.2 36.2
 145 32.3 24.6 36.8

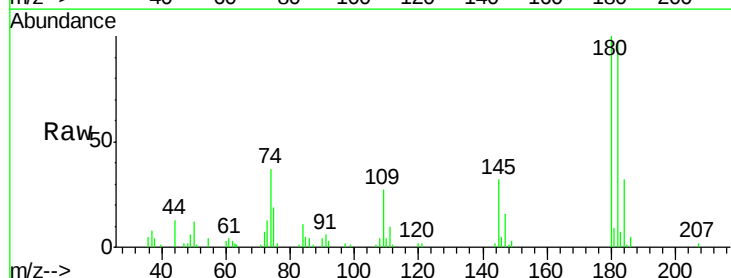


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

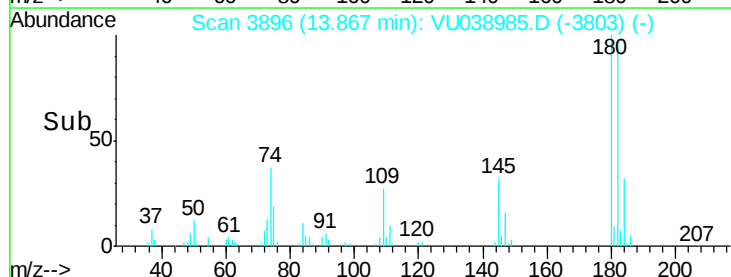
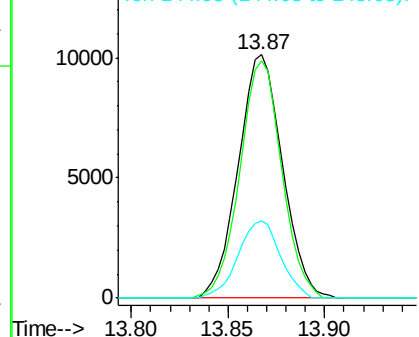


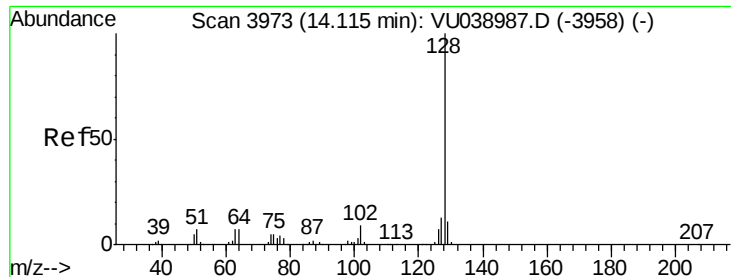
#68
 1,2,4-trichlorobenzene
 Concen: 0.518 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038985.D
 Acq: 19 Jun 2020 15:39

Tgt Ion:180 Resp: 16101
 Ion Ratio Lower Upper
 180 100
 182 92.4 76.0 114.0
 145 30.4 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: 0.446 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.505

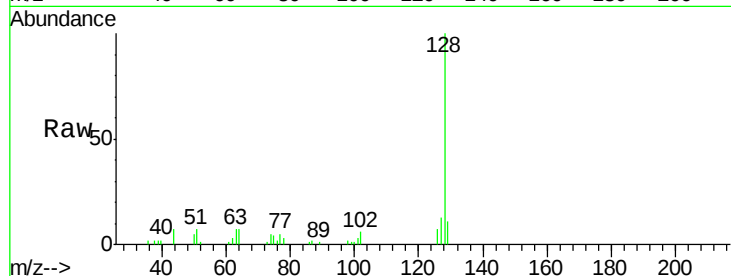
Tgt Ion:128 Resp: 26524

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

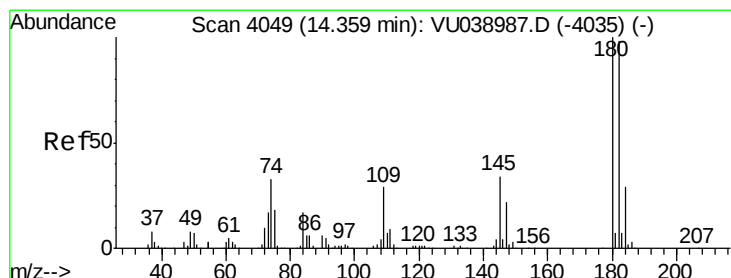
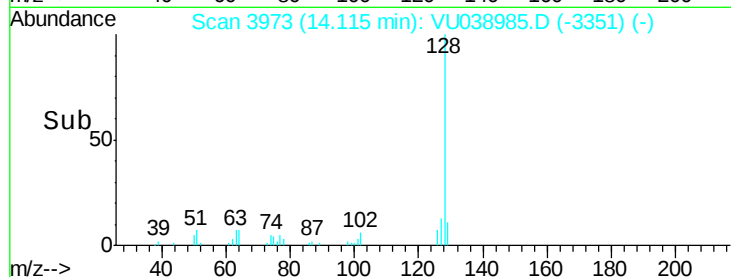
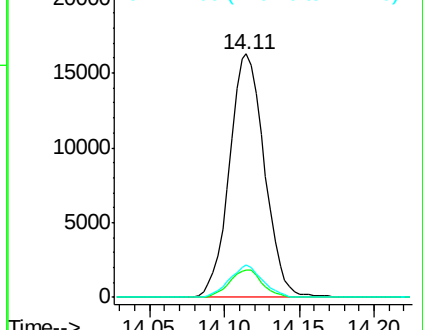
127 12.4 11.0 16.6



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: 0.499 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU038985.D

Acq: 19 Jun 2020 15:39

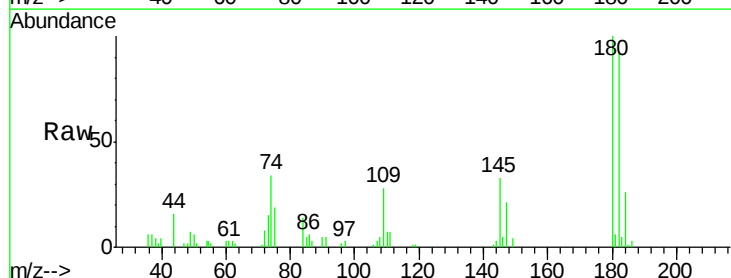
Tgt Ion:180 Resp: 14688

Ion Ratio Lower Upper

180 100

182 94.6 77.3 115.9

145 30.6 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

