

Data File : VU036724.D
Acq On : 11 Feb 2020 15:52
Operator : JC/MD
Sample : VSTD0.504
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

Quant Time: Feb 12 07:34:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 12 07:32:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	123057	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	114012	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	50238	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	5258	0.57	ug/L	0.00
7) Chloroethane-d5	1.93	69	4680	0.56	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	8652	0.52	ug/L	0.00
20) 2-Butanone-d5	4.70	46	11410	4.99	ug/L	0.02
24) Chloroform-d	5.11	84	7796	0.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	4651	0.49	ug/L	0.00
32) Benzene-d6	5.76	84	16932	0.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	5478	0.51	ug/L	0.00
41) Toluene-d8	7.93	98	16058	0.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	2117	0.44	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	8455	4.08	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	4128	0.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	5158	0.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	4165	0.435 ug/L	98
3) Chloromethane	1.53	50	4415	0.475 ug/L	94
5) Vinyl chloride	1.62	62	4981	0.486 ug/L	96
6) Bromomethane	1.87	94	3215	0.541 ug/L	91
8) Chloroethane	1.95	64	4238	0.684 ug/L #	82
9) Trichlorofluoromethane	2.16	101	6876	0.481 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	4371	0.567 ug/L	97
12) 1,1-Dichloroethene	2.60	96	3851	0.514 ug/L	95
13) Acetone	2.69	43	14489	8.106 ug/L	97
14) Carbon disulfide	2.82	76	9842	0.422 ug/L	99
15) Methyl Acetate	3.00	43	1929	0.573 ug/L #	85
16) Methylene chloride	3.08	84	9565	0.971 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	11221	0.512 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	3920	0.474 ug/L	97
19) 1,1-Dichloroethane	3.92	63	7943	0.513 ug/L #	91
21) 2-Butanone	4.77	43	15301	5.856 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	4550	0.478 ug/L	96
23) Bromochloromethane	5.02	128	1828	0.468 ug/L	84
25) Chloroform	5.13	83	9456	0.581 ug/L	92
27) 1,2-Dichloroethane	5.84	62	5826	0.545 ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	6528	0.472 ug/L	96
30) Cyclohexane	5.43	56	6818	0.490 ug/L	98
31) Carbon tetrachloride	5.56	117	5278	0.452 ug/L	99
33) Benzene	5.81	78	18594	0.545 ug/L	100
34) Trichloroethene	6.58	95	4907	0.542 ug/L	92
35) Methylcyclohexane	6.80	83	7335	0.511 ug/L	99
37) 1,2-Dichloropropane	6.83	63	4962	0.560 ug/L #	96
38) Bromodichloromethane	7.14	83	5870	0.492 ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	6726	0.472 ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	28704	4.636 ug/L	99

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	19603	0.522	ug/L	90
44) trans-1,3-Dichloropropene	8.24	75	5134	0.440	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	3390	0.528	ug/L	95
47) Tetrachloroethene	8.58	164	3259	0.515	ug/L	96
48) 2-Hexanone	8.72	43	25509	5.581	ug/L	97
49) Dibromochloromethane	8.84	129	3272	0.400	ug/L	91
50) 1,2-Dibromoethane	8.95	107	3009	0.473	ug/L #	79
51) Chlorobenzene	9.47	112	12109	0.520	ug/L	97
52) Ethylbenzene	9.60	91	21348	0.514	ug/L	98
53) m,p-Xylene	9.72	106	7849	0.493	ug/L	94
54) o-Xylene	10.12	106	7394	0.477	ug/L	88
55) Styrene	10.14	104	12165	0.463	ug/L	89
56) Isopropylbenzene	10.51	105	20001	0.487	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	4328	0.501	ug/L #	97
59) 1,2,3-Trichloropropane	10.85	75	3156	0.517	ug/L	94
61) Bromoform	10.32	173	1621	0.375	ug/L #	90
62) 1,3-Dichlorobenzene	11.77	146	9162	0.542	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	9241	0.552	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	8663	0.539	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	574	0.403	ug/L #	89
67) 1,3,5-Trichlorobenzene	13.23	180	6111	0.509	ug/L	95
68) 1,2,4-trichlorobenzene	13.85	180	3983	0.450	ug/L	95
69) Naphthalene	14.10	128	6554	0.417	ug/L	98
70) 1,2,3-Trichlorobenzene	14.34	180	3682	0.433	ug/L	99

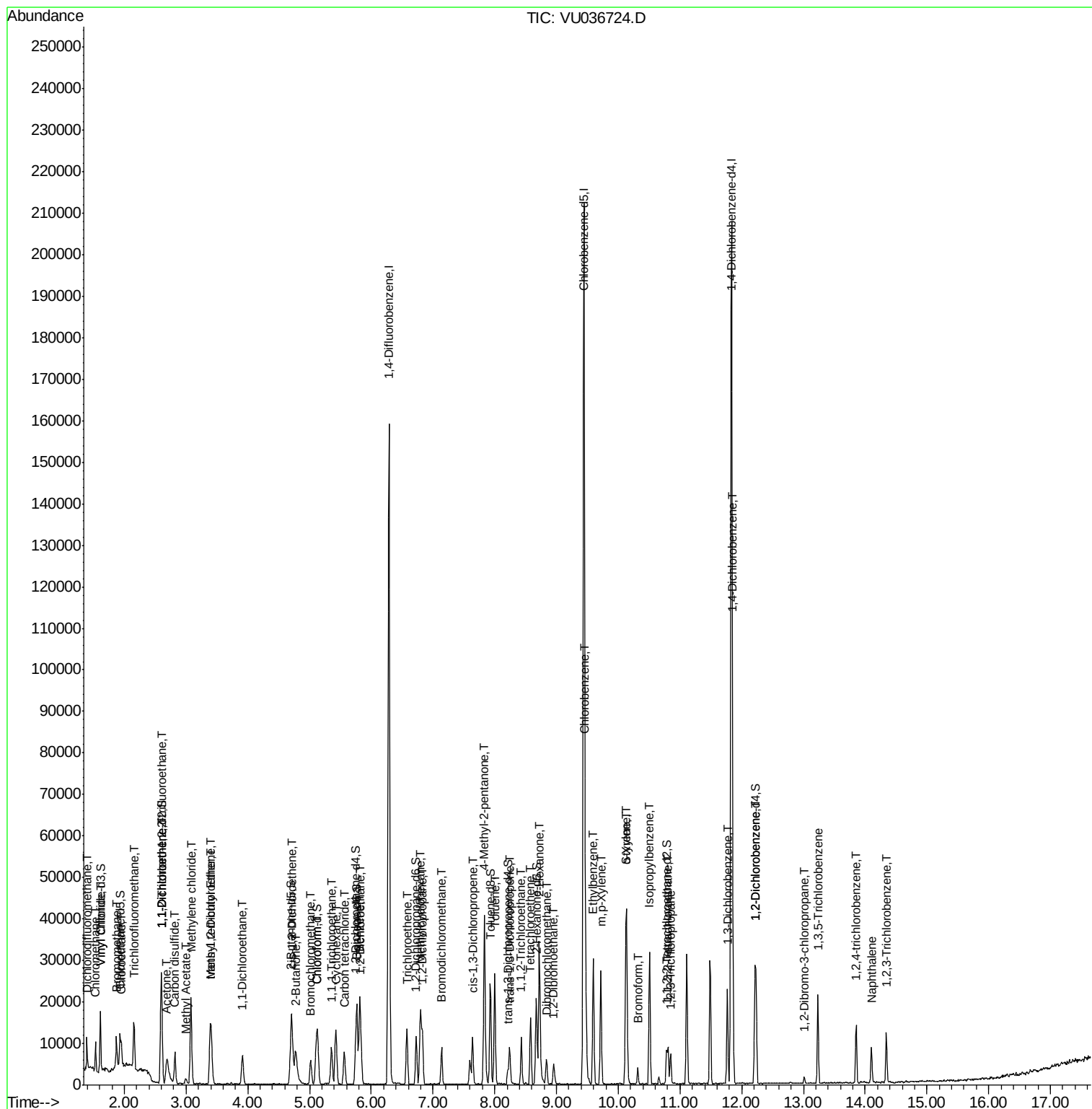
(#) = qualifier out of range (m) = manual integration (+) = signals summed

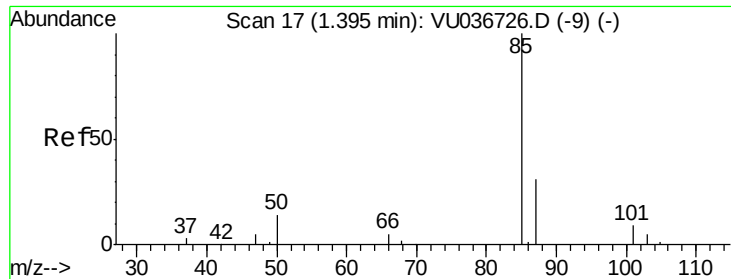
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#2

Dichlorodifluoromethane

Concen: 0.435 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Instrument :

MSVOA_U

ClientSampleId :

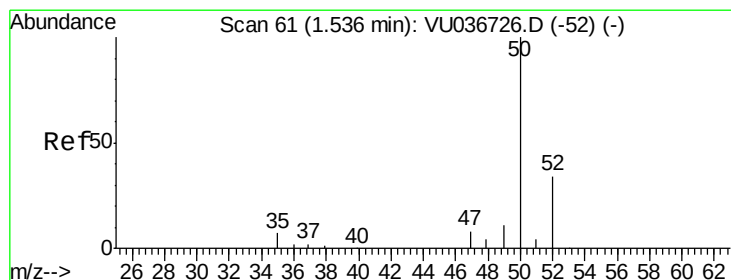
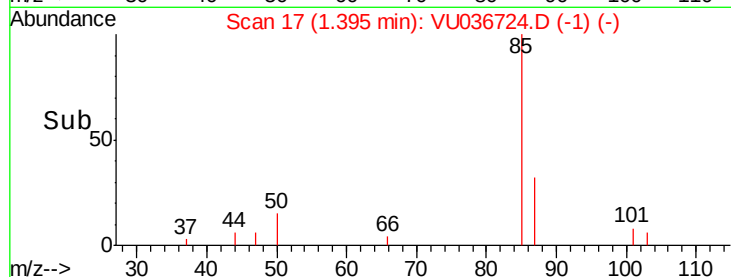
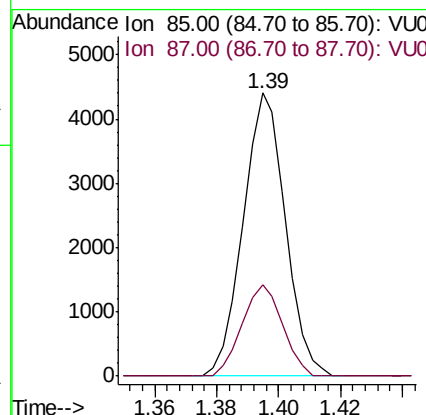
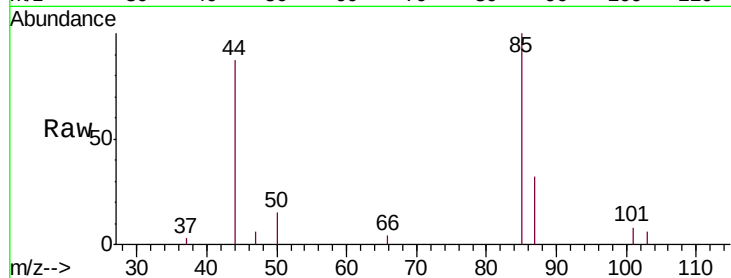
VSTD0.504

Tgt Ion: 85 Resp: 4165

Ion Ratio Lower Upper

85 100

87 31.0 25.7 38.5



#3

Chloromethane

Concen: 0.475 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036724.D

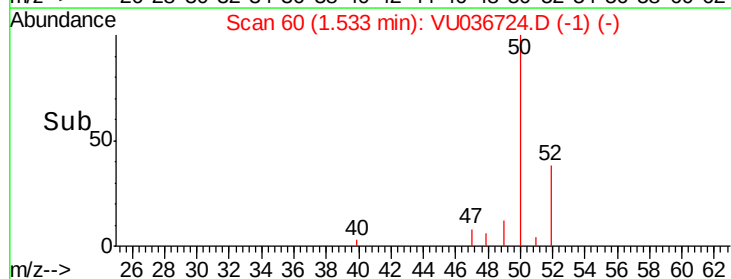
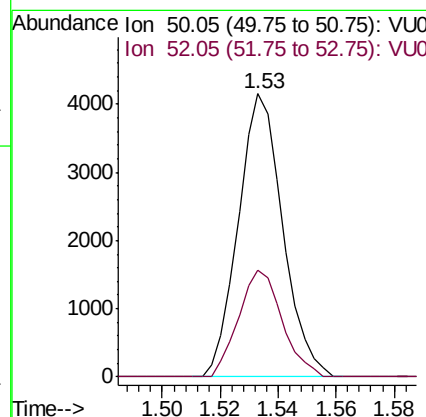
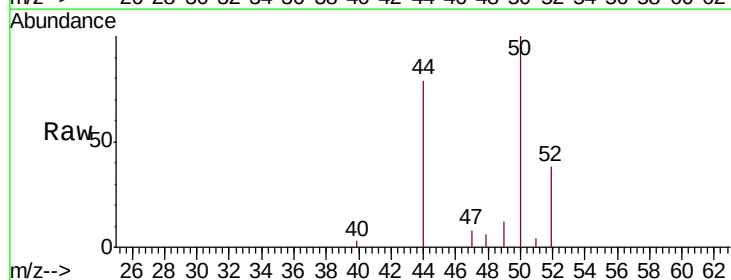
Acq: 11 Feb 2020 15:52

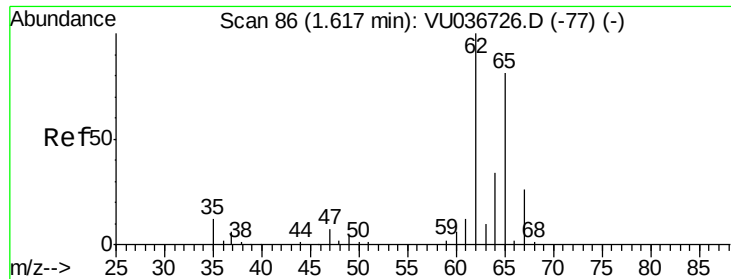
Tgt Ion: 50 Resp: 4415

Ion Ratio Lower Upper

50 100

52 37.7 23.8 44.2





#5

Vinyl chloride

Concen: 0.486 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Instrument :

MSVOA_U

ClientSampleId :

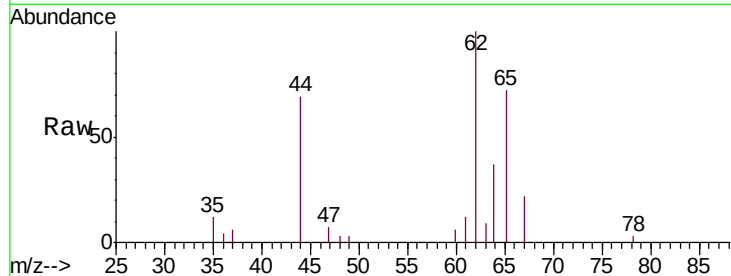
VSTD0.504

Tgt Ion: 62 Resp: 4981

Ion Ratio Lower Upper

62 100

64 36.9 24.1 44.7

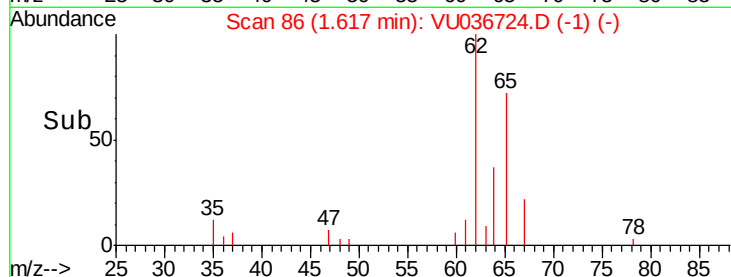


Abundance Ion 62.00 (61.70 to 62.70): VU036726.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036726.D (-77) (-)

1.62

Time-->



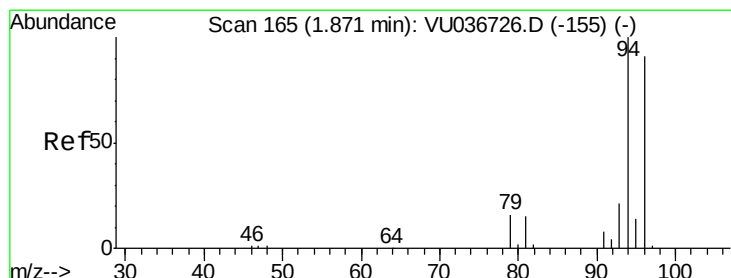
Abundance

Ion 62.00 (61.70 to 62.70): VU036726.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036726.D (-77) (-)

1.62

Time-->



#6

Bromomethane

Concen: 0.541 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036724.D

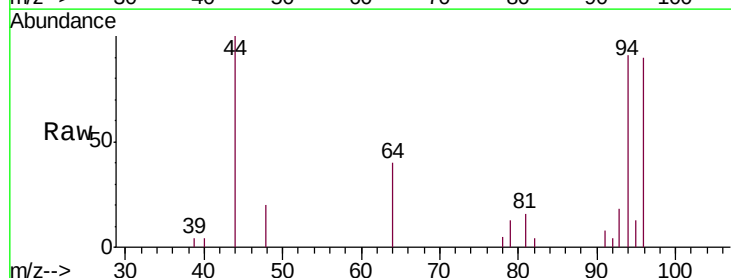
Acq: 11 Feb 2020 15:52

Tgt Ion: 94 Resp: 3215

Ion Ratio Lower Upper

94 100

96 98.6 63.3 117.7

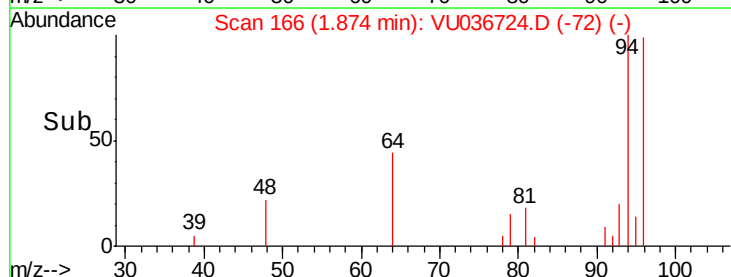


Abundance Ion 94.00 (93.70 to 94.70): VU036726.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036726.D (-155) (-)

1.87

Time-->



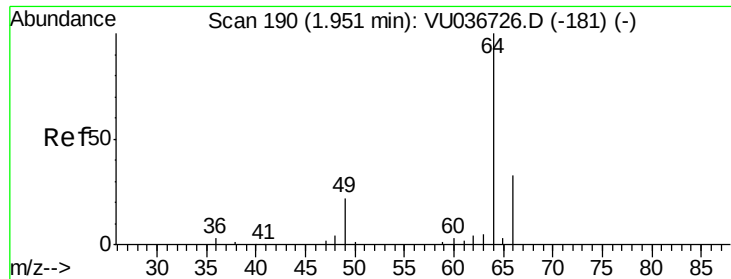
Abundance

Ion 94.00 (93.70 to 94.70): VU036726.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036726.D (-155) (-)

1.87

Time-->



#8

Chloroethane

Concen: 0.684 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Instrument :

MSVOA_U

ClientSampleId :

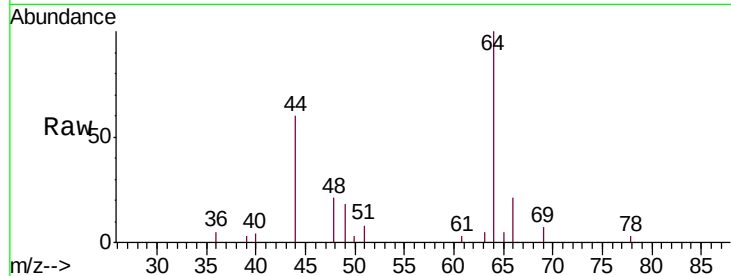
VSTD0.504

Tgt Ion: 64 Resp: 4238

Ion Ratio Lower Upper

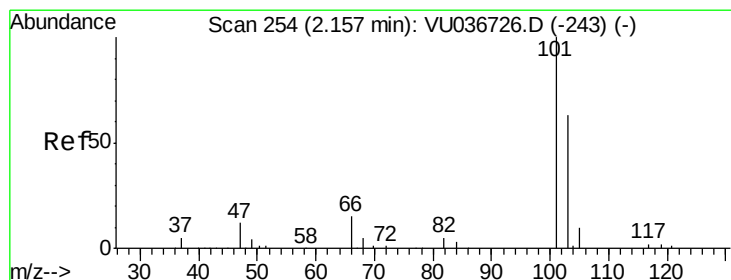
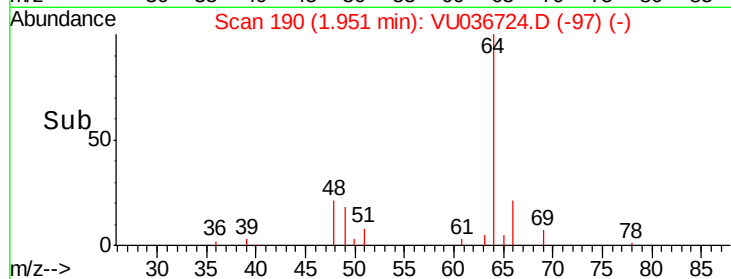
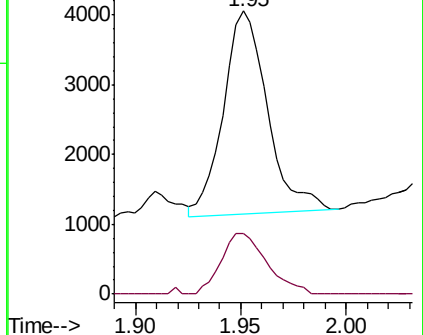
64 100

66 21.3 21.8 40.6#



Abundance Ion 64.10 (63.80 to 64.80): VU036724.D (-181) (-)

Ion 66.05 (65.75 to 66.75): VU036724.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 0.481 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036724.D

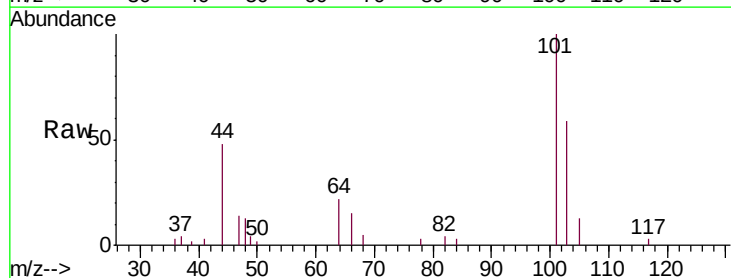
Acq: 11 Feb 2020 15:52

Tgt Ion: 101 Resp: 6876

Ion Ratio Lower Upper

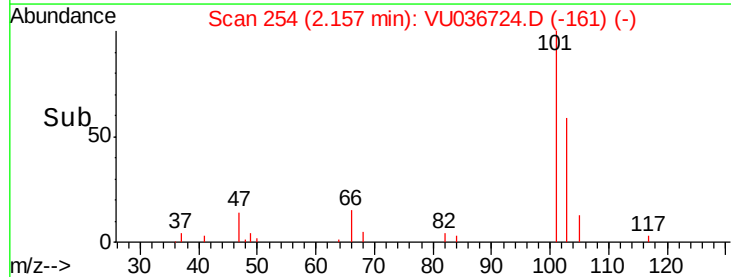
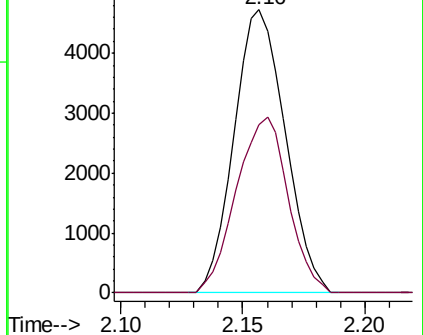
101 100

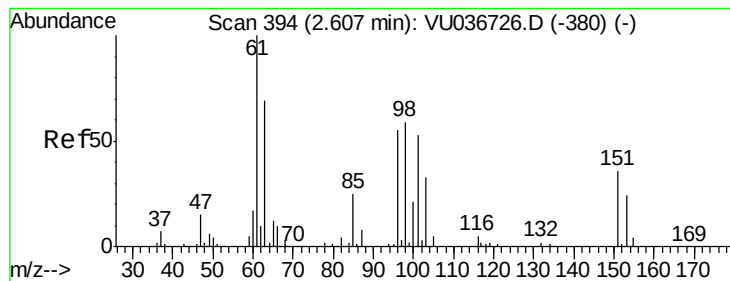
103 62.8 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU036724.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036724.D (-243) (-)





#10

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

Concen: 0.567 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

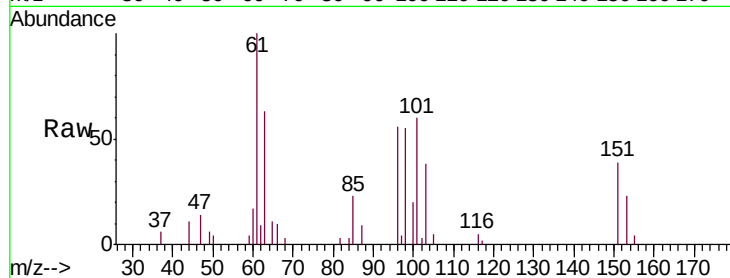
Tgt Ion:101 Resp: 4371

Ion Ratio Lower Upper

101 100

85 41.7 36.4 54.6

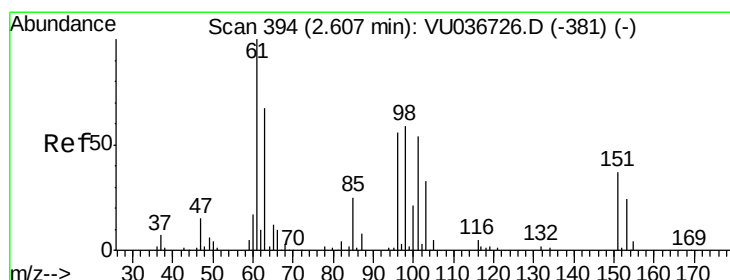
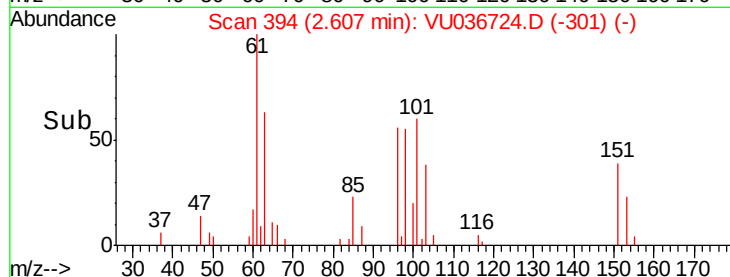
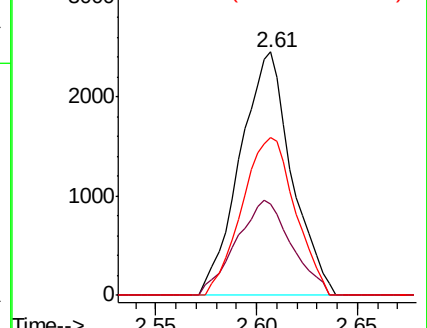
151 67.0 54.0 81.0



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: 0.514 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

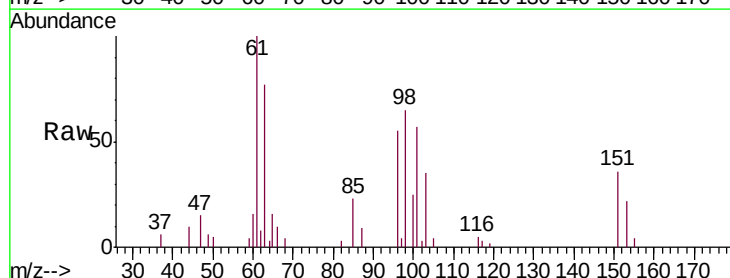
Tgt Ion: 96 Resp: 3851

Ion Ratio Lower Upper

96 100

61 182.1 126.4 234.8

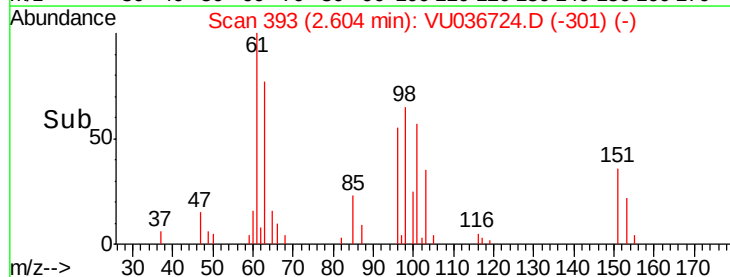
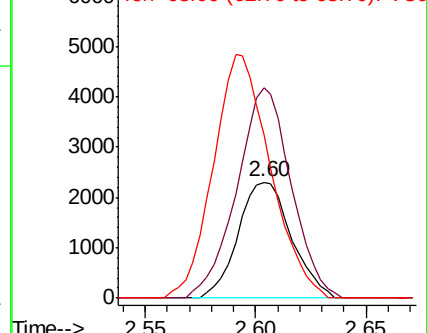
63 140.9 89.5 166.3

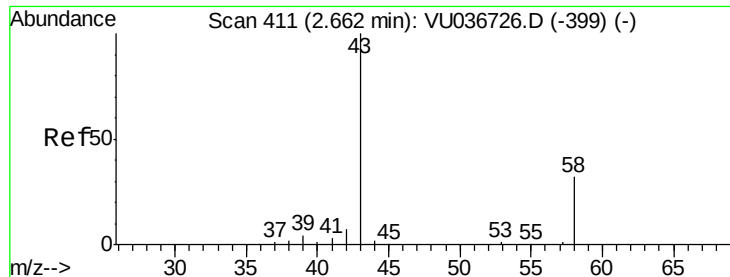


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.106 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.03 min

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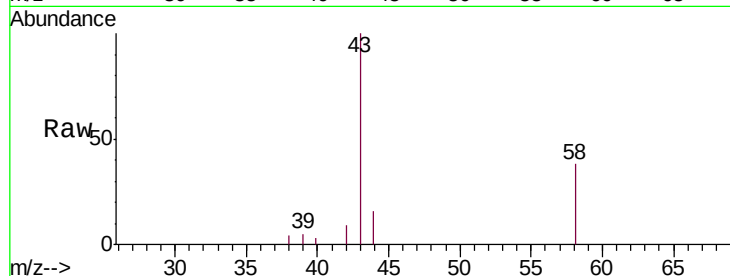
VSTD0.504

Tgt Ion: 43 Resp: 14489

Ion Ratio Lower Upper

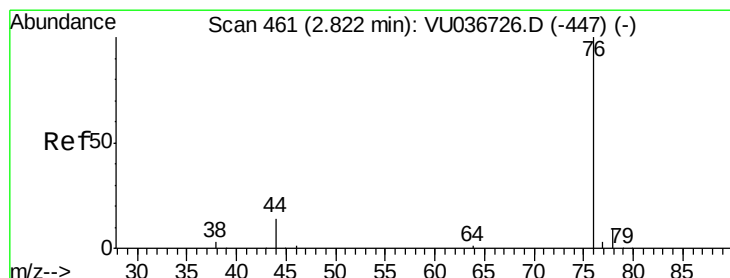
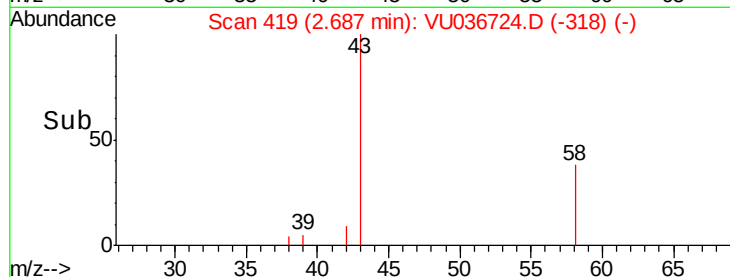
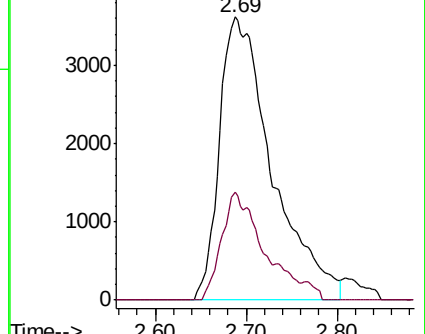
43 100

58 30.2 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036726.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU036726.D (-399) (-)



#14

Carbon disulfide

Concen: 0.422 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036724.D

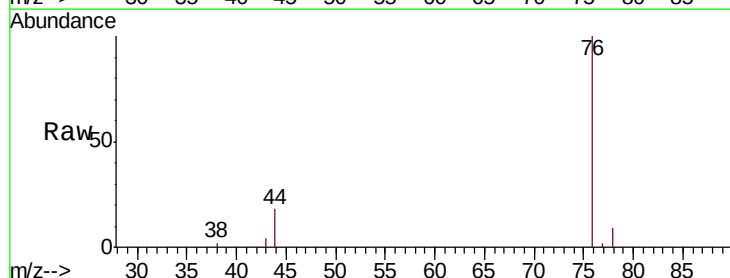
Acq: 11 Feb 2020 15:52

Tgt Ion: 76 Resp: 9842

Ion Ratio Lower Upper

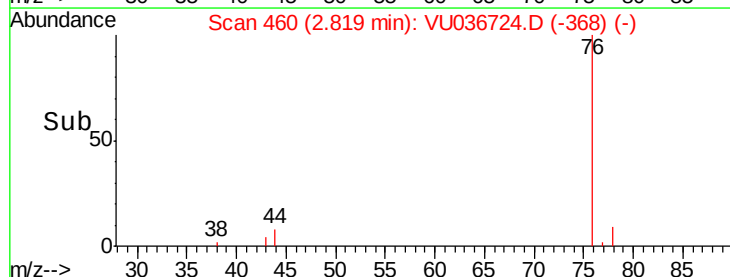
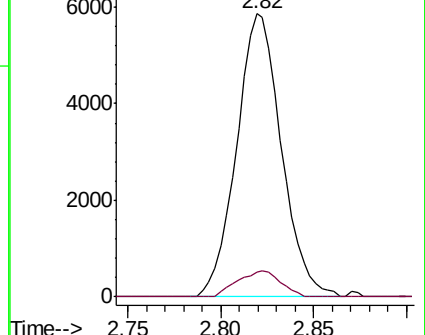
76 100

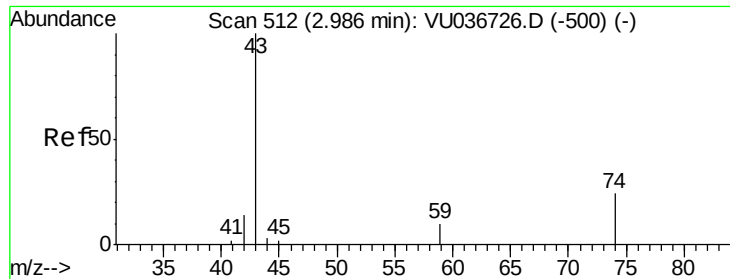
78 8.7 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036726.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036726.D (-447) (-)

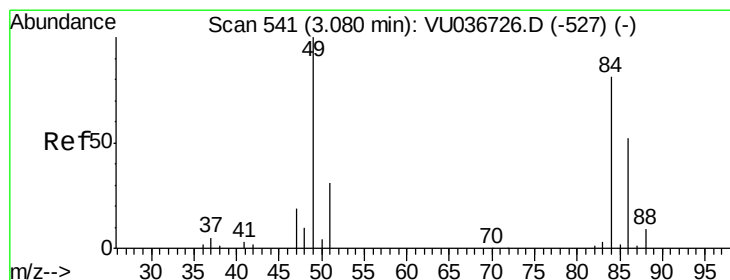
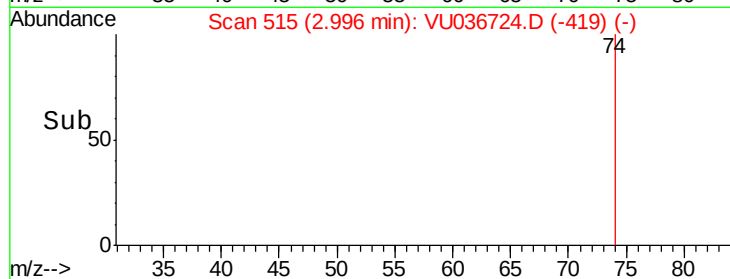
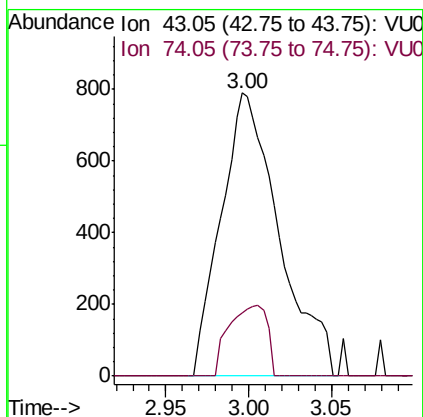
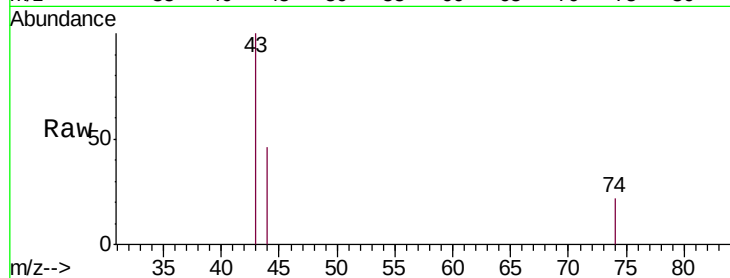




#15
Methyl Acetate
Concen: 0.573 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU036724.D
Acq: 11 Feb 2020 15:52

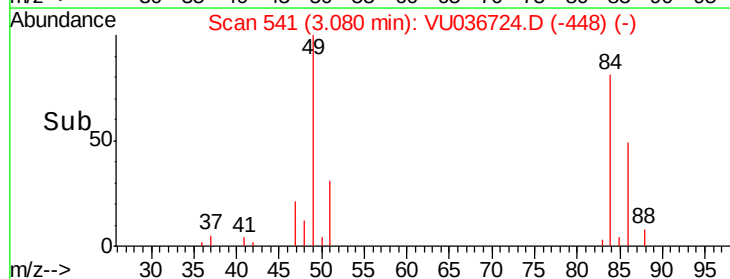
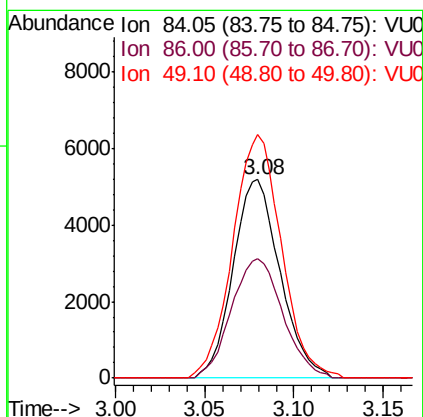
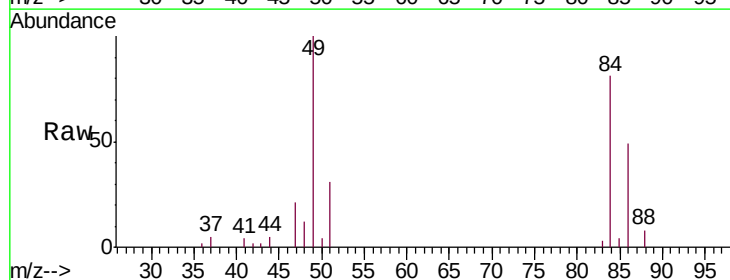
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

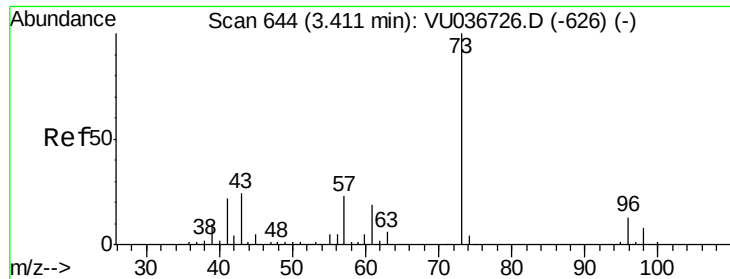
Tgt Ion: 43 Resp: 1929
Ion Ratio Lower Upper
43 100
74 16.2 19.0 28.4#



#16
Methylene chloride
Concen: 0.971 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036724.D
Acq: 11 Feb 2020 15:52

Tgt Ion: 84 Resp: 9565
Ion Ratio Lower Upper
84 100
86 60.3 44.7 82.9
49 122.7 86.7 160.9

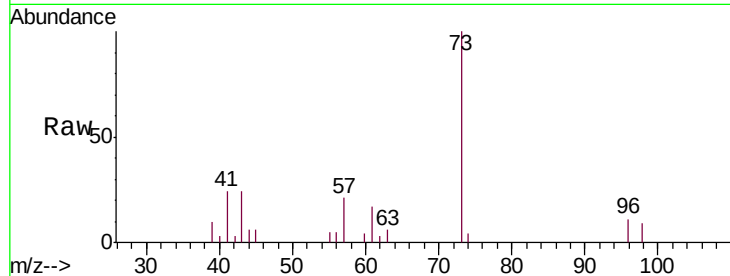




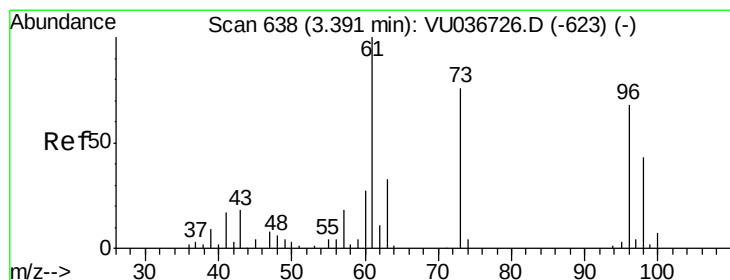
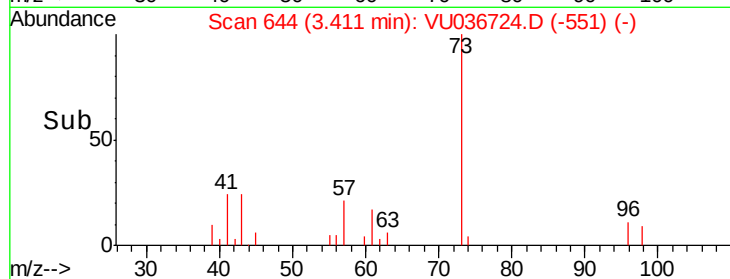
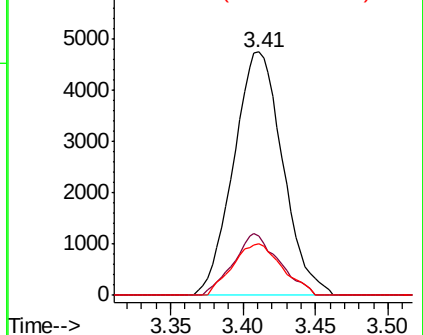
#17
Methyl tert-butyl Ether
Concen: 0.512 ug/L
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU036724.D
Acq: 11 Feb 2020 15:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

Tgt Ion: 73 Resp: 11221
Ion Ratio Lower Upper
73 100
43 23.5 18.7 28.1
57 21.4 17.9 26.9

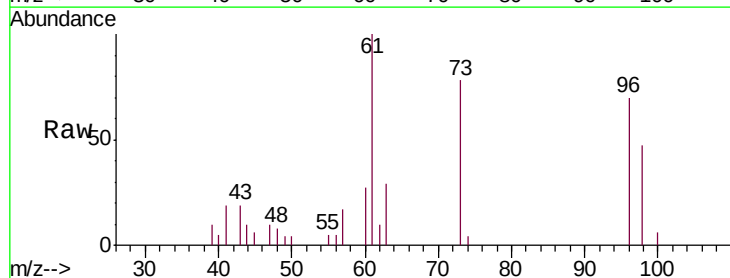


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

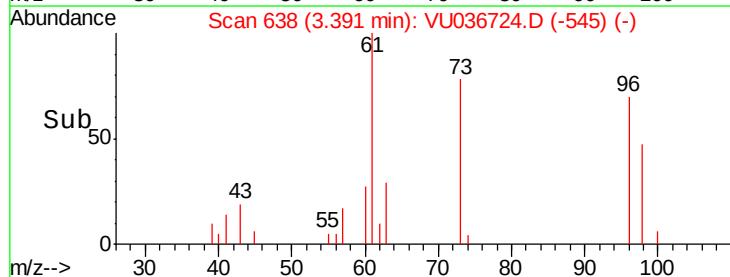
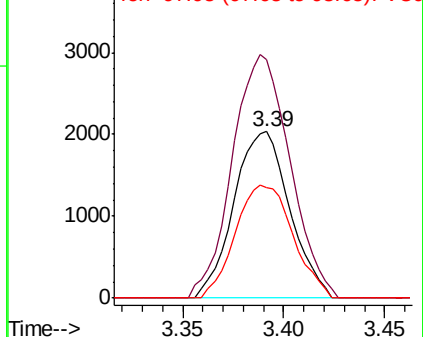


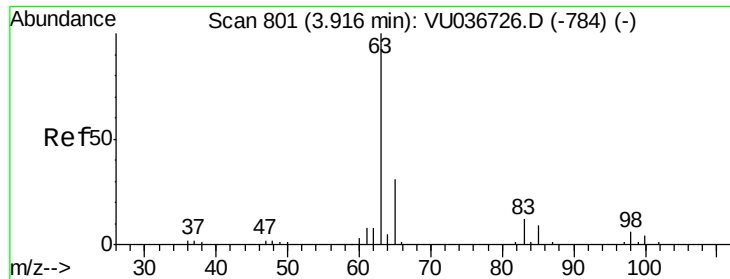
#18
trans-1,2-Dichloroethene
Concen: 0.474 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU036724.D
Acq: 11 Feb 2020 15:52

Tgt Ion: 96 Resp: 3920
Ion Ratio Lower Upper
96 100
61 143.1 102.6 190.5
98 66.7 44.5 82.7



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

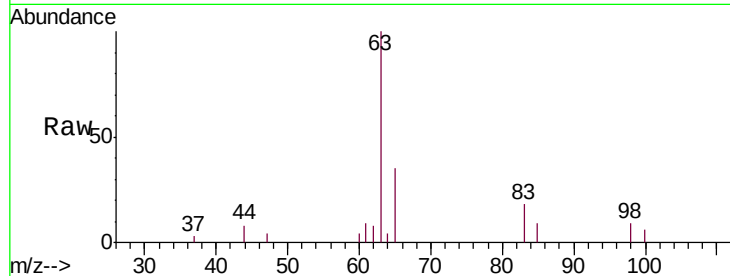




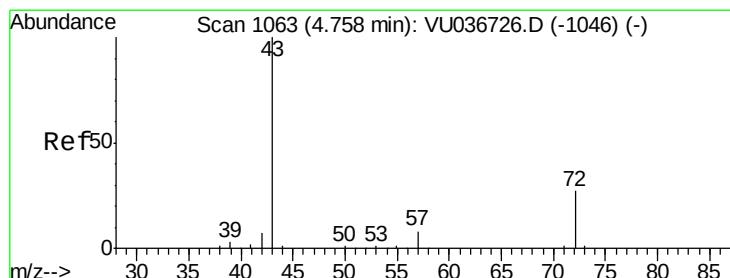
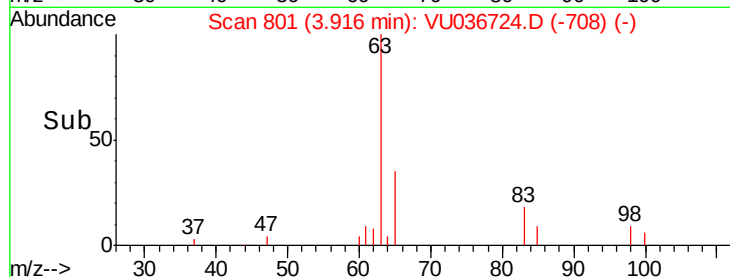
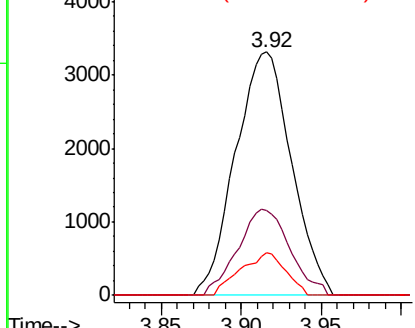
#19
 1,1-Dichloroethane
 Concen: 0.513 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tgt Ion: 63 Resp: 7943
 Ion Ratio Lower Upper
 63 100
 65 34.7 21.6 40.2
 83 17.6 8.8 16.3#

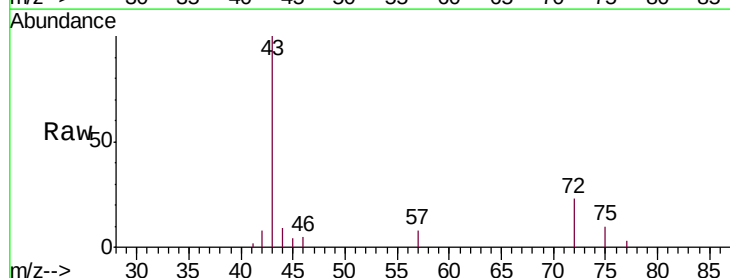


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

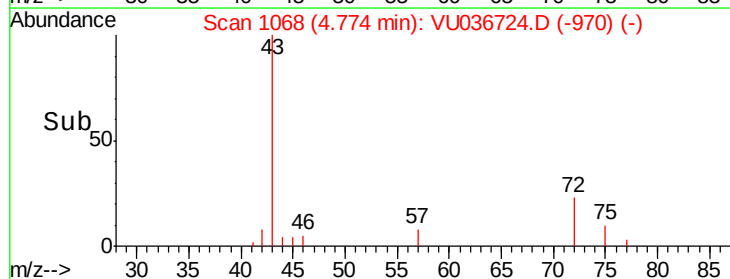
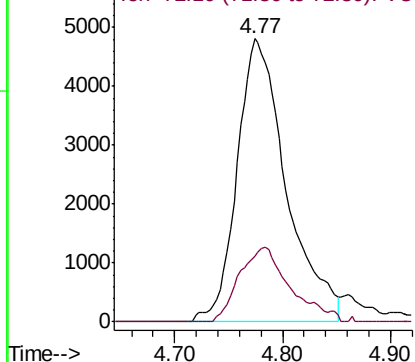


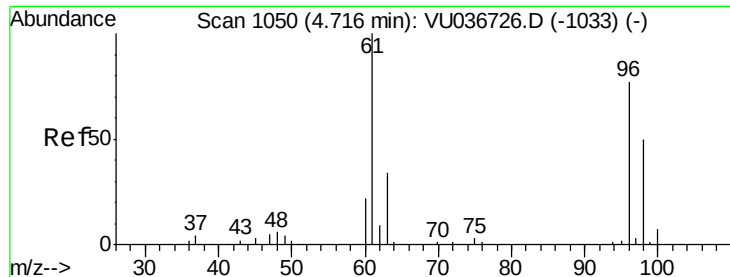
#21
 2-Butanone
 Concen: 5.856 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. 0.02 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

Tgt Ion: 43 Resp: 15301
 Ion Ratio Lower Upper
 43 100
 72 27.1 14.0 41.9



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





#22

cis-1,2-Dichloroethene

Concen: 0.478 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

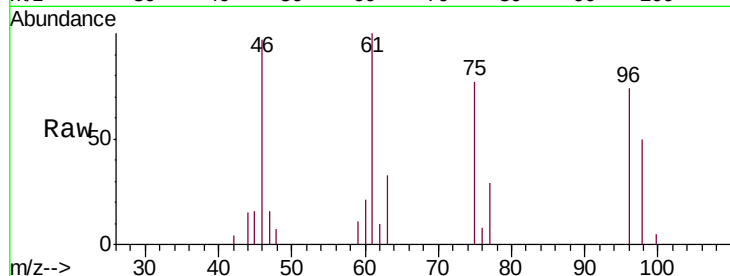
Tgt Ion: 96 Resp: 4550

Ion Ratio Lower Upper

96 100

61 134.7 91.2 169.4

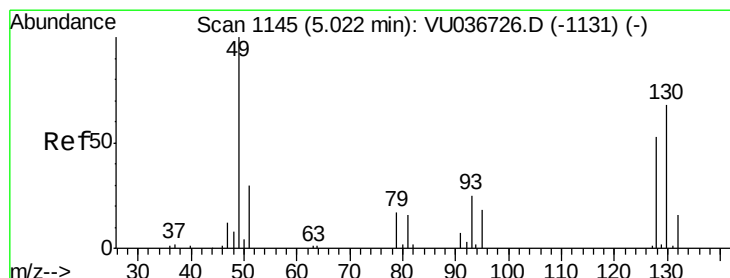
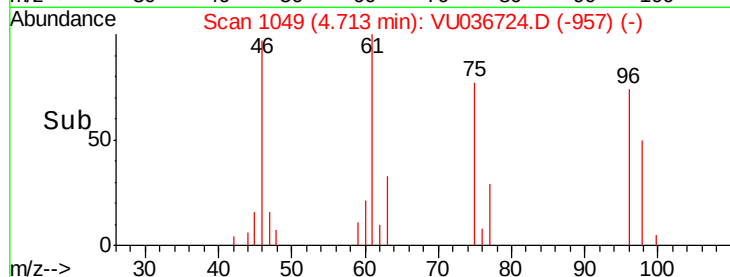
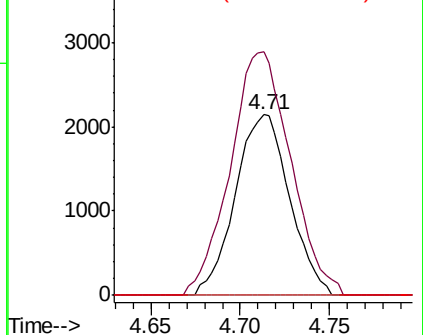
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036726.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU036726.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU036726.D (-1033) (-)



#23

Bromochloromethane

Concen: 0.468 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Tgt Ion: 128 Resp: 1828

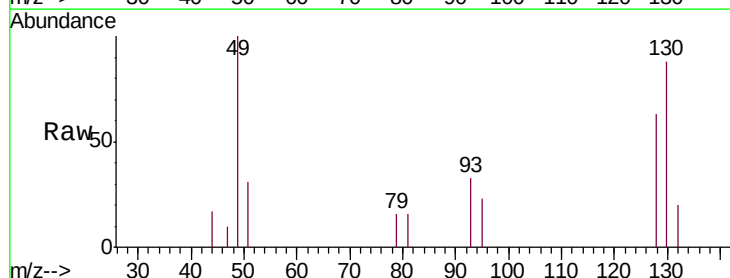
Ion Ratio Lower Upper

128 100

49 159.1 132.4 245.8

130 140.7 89.0 165.2

51 49.6 45.6 68.4

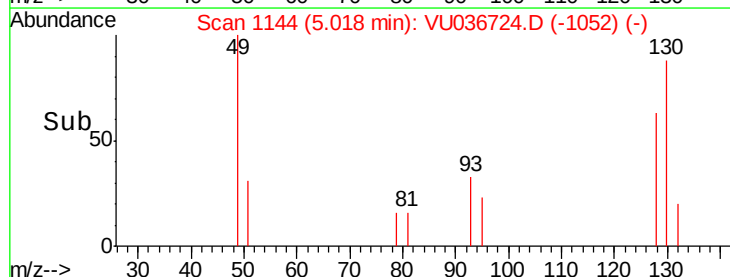
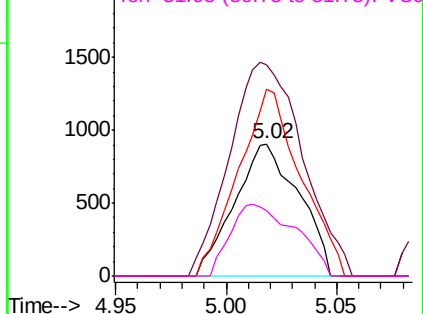


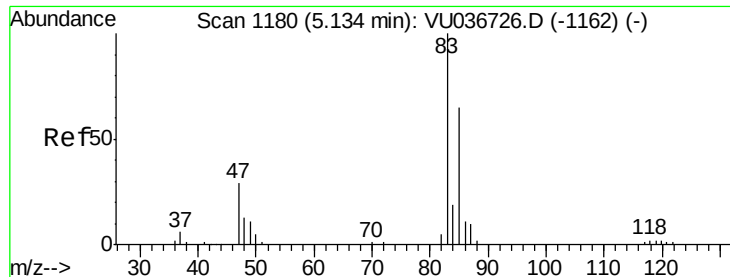
Abundance Ion 127.90 (127.60 to 128.60): VU036726.D (-1131) (-)

Ion 49.10 (48.80 to 49.80): VU036726.D (-1131) (-)

Ion 129.95 (129.65 to 130.65): VU036726.D (-1131) (-)

Ion 51.05 (50.75 to 51.75): VU036726.D (-1131) (-)

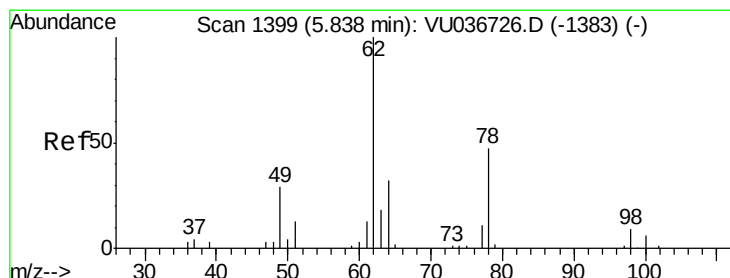
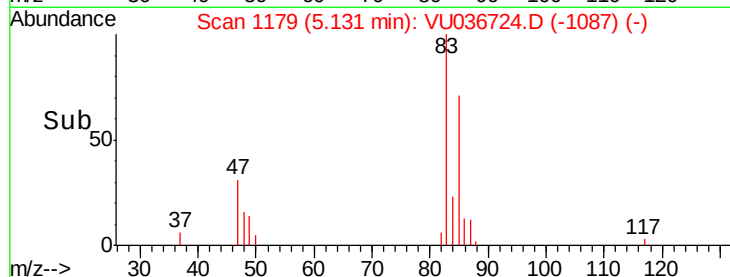
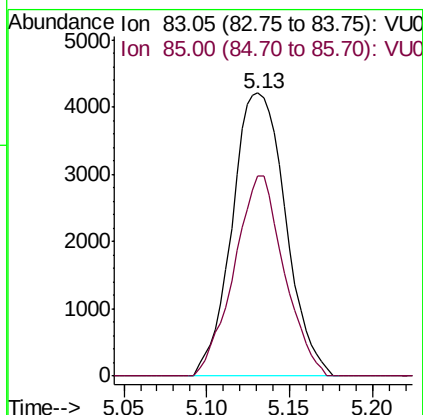
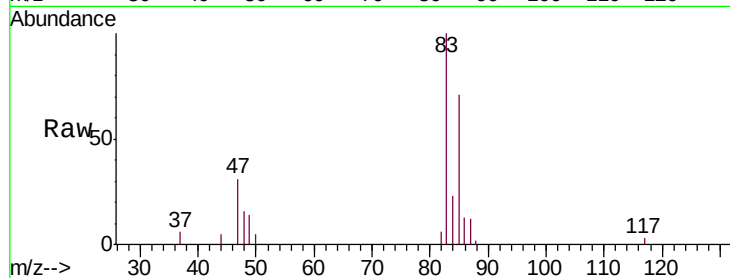




#25
Chloroform
Concen: 0.581 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036724.D
Acq: 11 Feb 2020 15:52

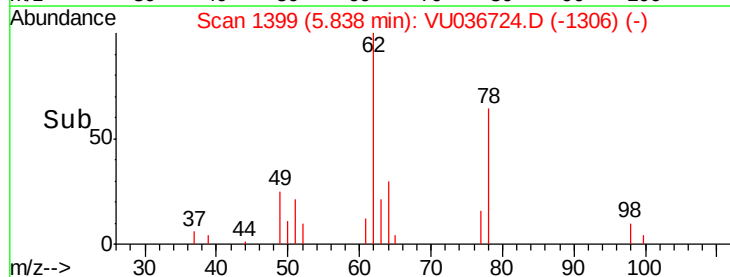
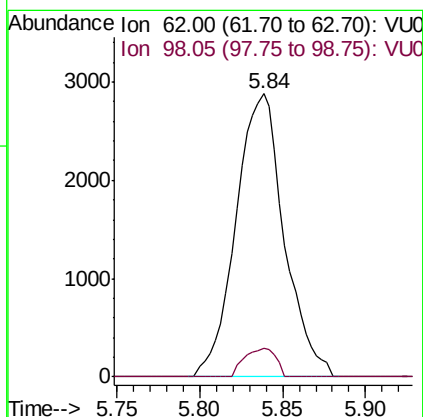
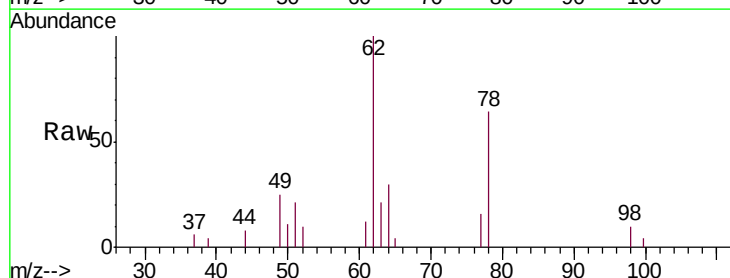
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

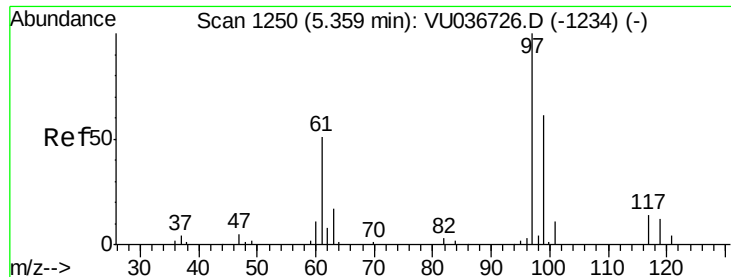
Tgt Ion: 83 Resp: 9456
Ion Ratio Lower Upper
83 100
85 70.7 45.4 84.2



#27
1,2-Dichloroethane
Concen: 0.545 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036724.D
Acq: 11 Feb 2020 15:52

Tgt Ion: 62 Resp: 5826
Ion Ratio Lower Upper
62 100
98 10.1 7.0 10.4

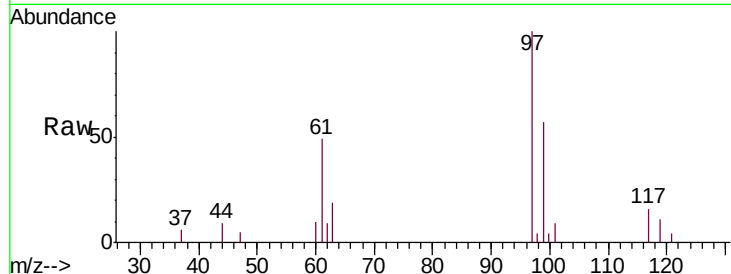




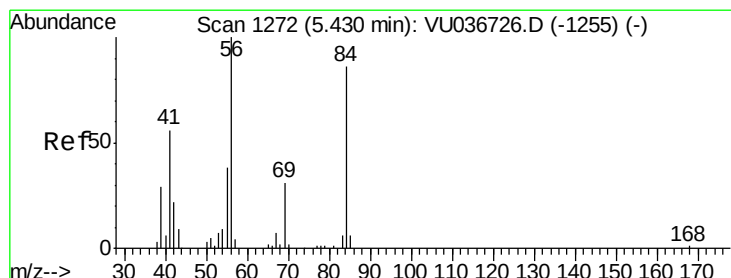
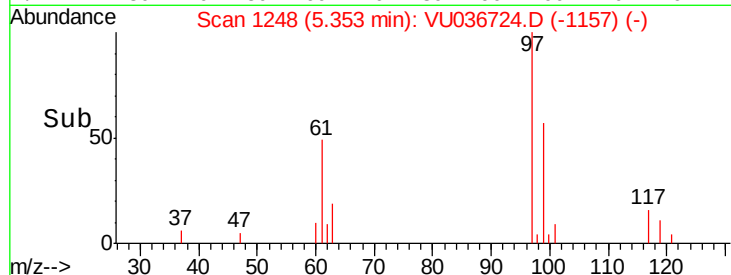
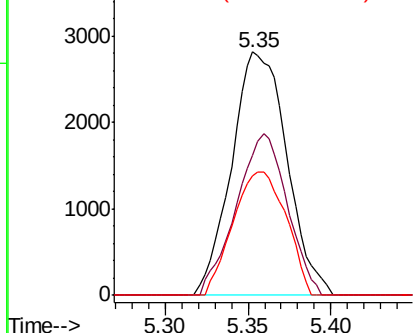
#29
 1,1,1-Trichloroethane
 Concen: 0.472 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tgt Ion: 97 Resp: 6528
 Ion Ratio Lower Upper
 97 100
 99 61.2 51.0 76.4
 61 48.5 41.6 62.4

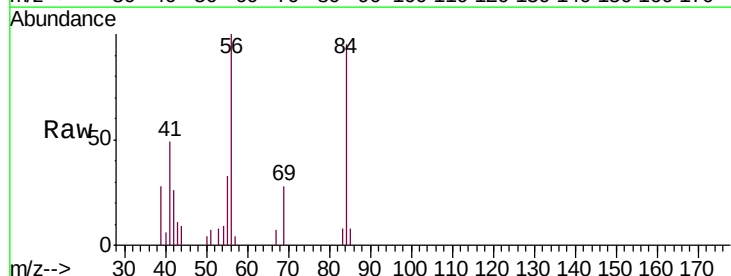


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

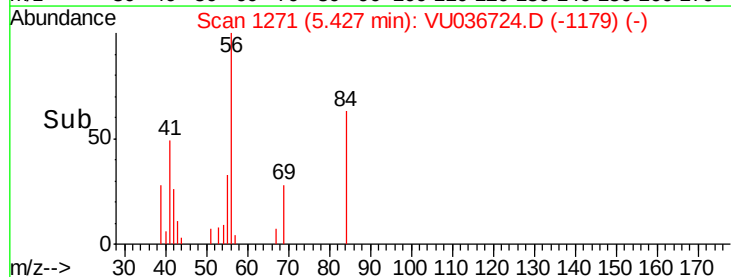
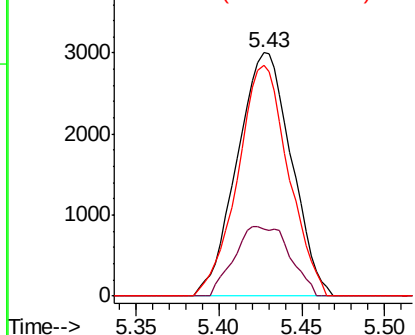


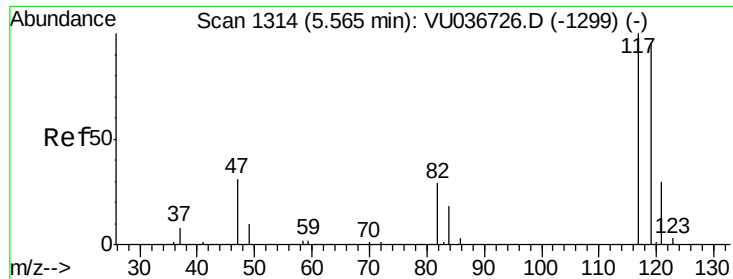
#30
 Cyclohexane
 Concen: 0.490 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

Tgt Ion: 56 Resp: 6818
 Ion Ratio Lower Upper
 56 100
 69 29.2 24.6 37.0
 84 88.8 70.0 105.0



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





#31

Carbon tetrachloride

Concen: 0.452 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Instrument :

MSVOA_U

ClientSampleId :

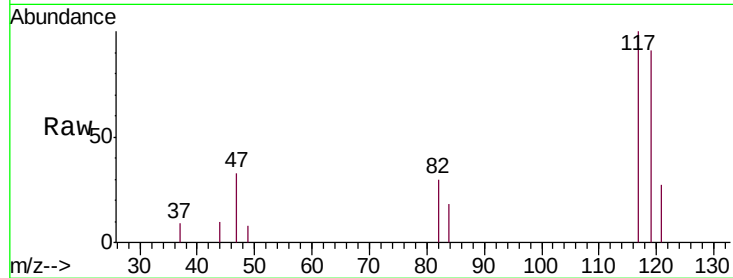
VSTD0.504

Tgt Ion: 117 Resp: 5278

Ion Ratio Lower Upper

117 100

119 91.9 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

2500

2000

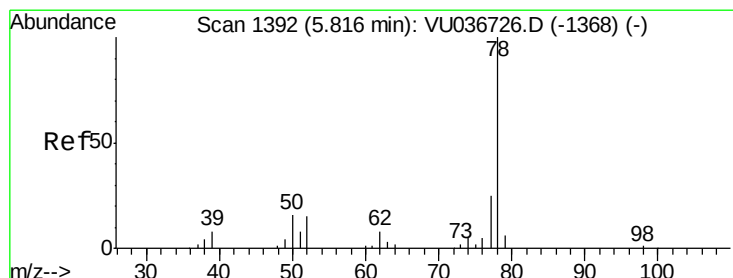
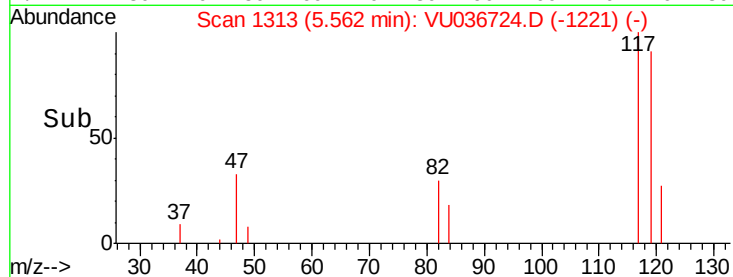
1500

1000

500

0

Time--> 5.50 5.55 5.60



#33

Benzene

Concen: 0.545 ug/L

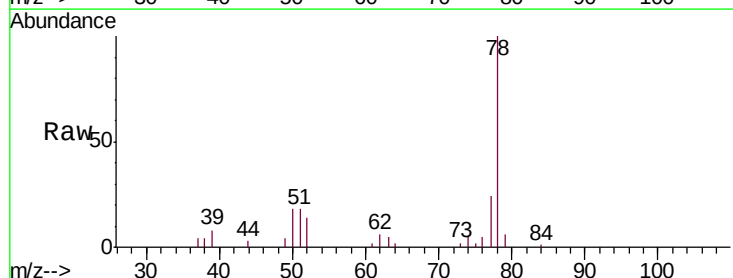
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Tgt Ion: 78 Resp: 18594



Abundance Ion 78.10 (77.80 to 78.80): VU0

10000

8000

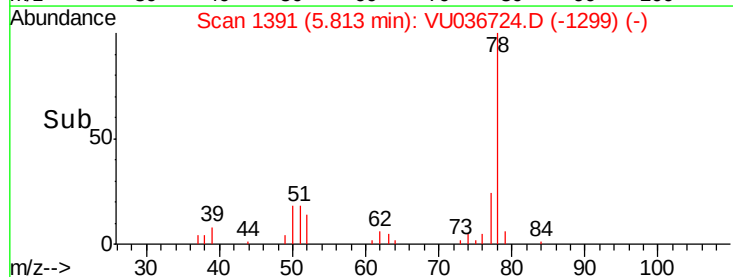
6000

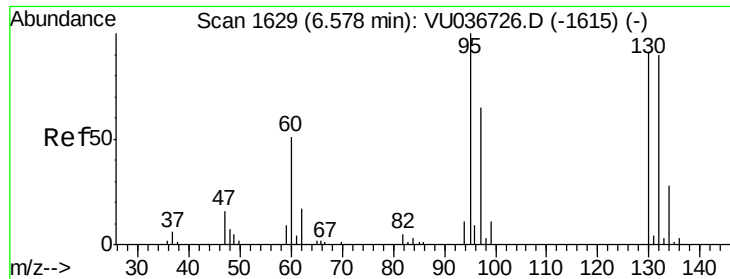
4000

2000

0

Time--> 5.75 5.80 5.85





#34

Trichloroethene

Concen: 0.542 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

Tgt Ion: 95 Resp: 4907

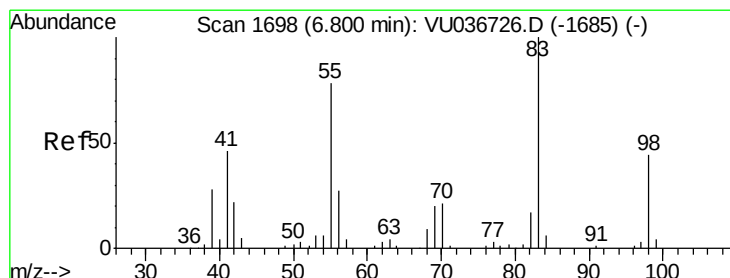
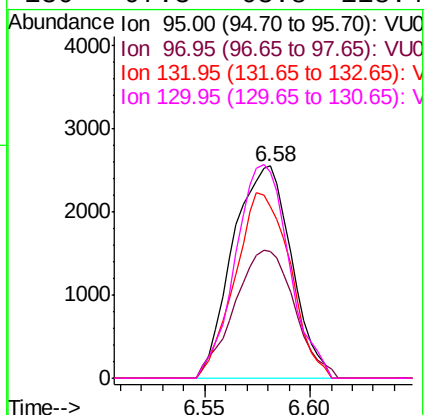
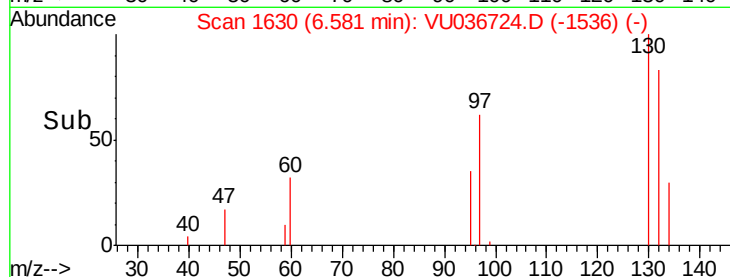
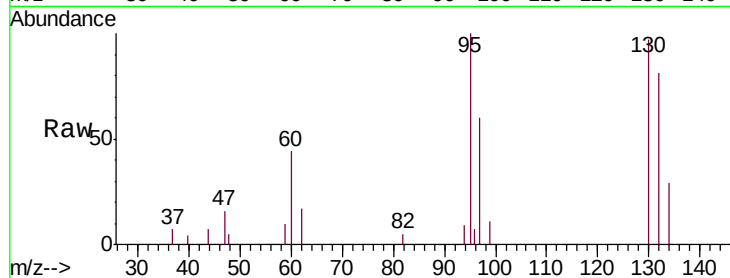
Ion Ratio Lower Upper

95 100

97 60.1 45.6 84.8

132 80.9 62.8 116.6

130 97.3 63.8 118.4



#35

Methylcyclohexane

Concen: 0.511 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

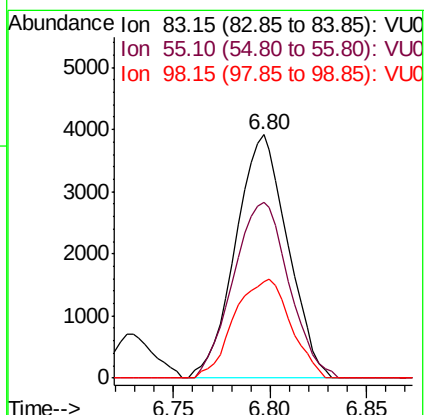
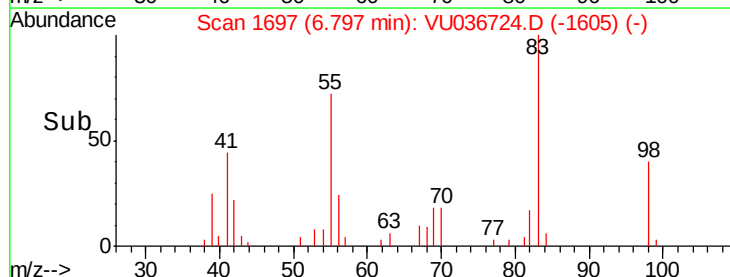
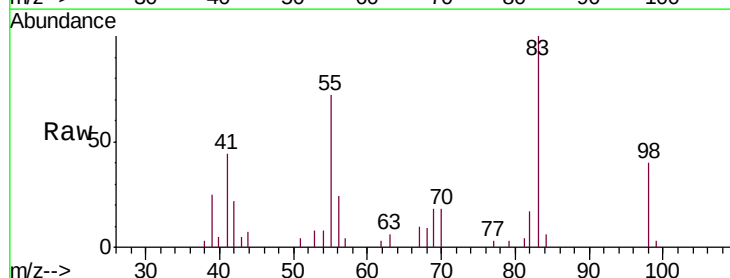
Tgt Ion: 83 Resp: 7335

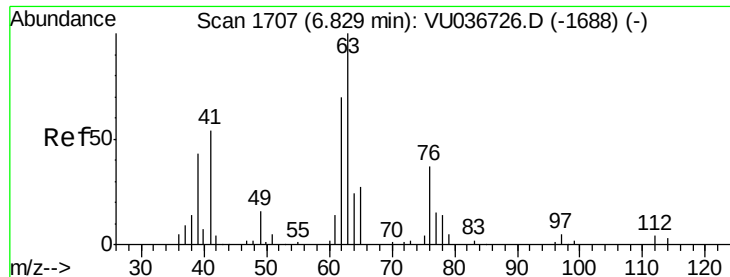
Ion Ratio Lower Upper

83 100

55 77.0 61.0 91.4

98 43.9 34.2 51.4

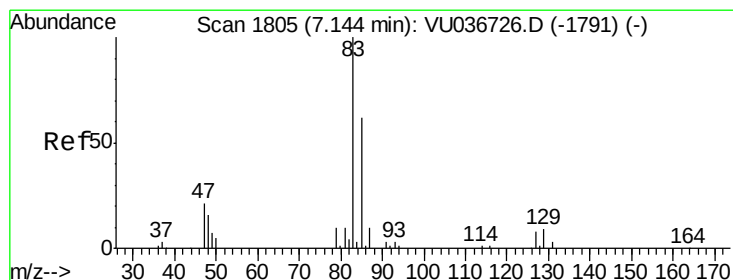
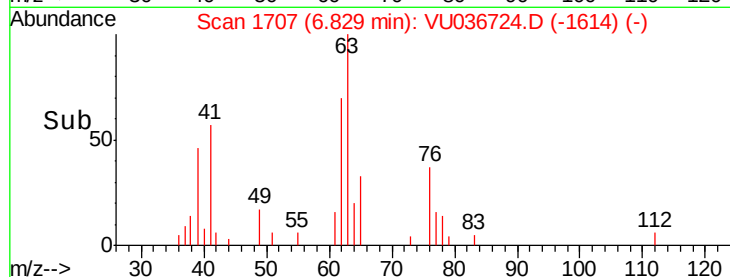
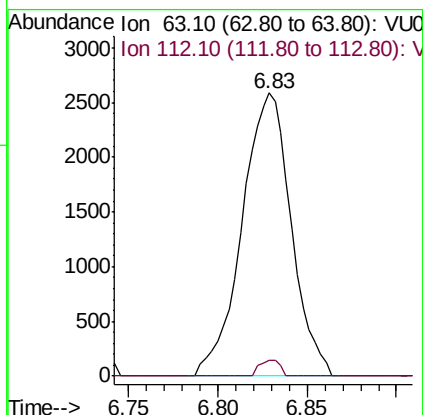
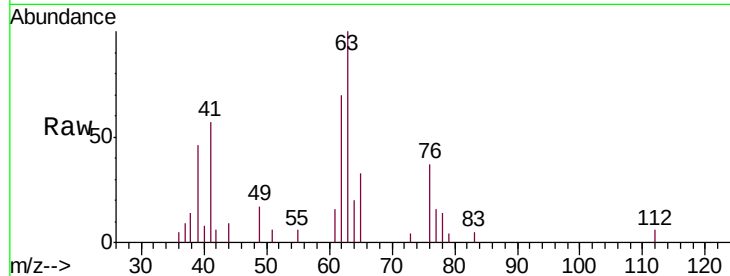




#37
 1,2-Dichloropropane
 Concen: 0.560 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

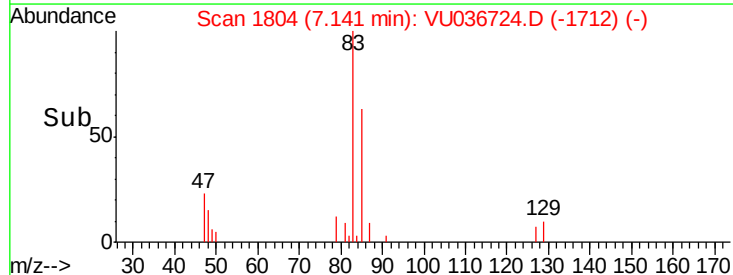
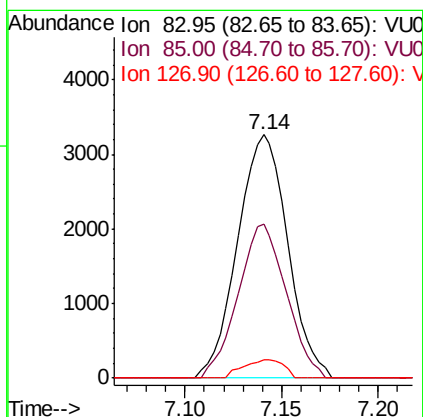
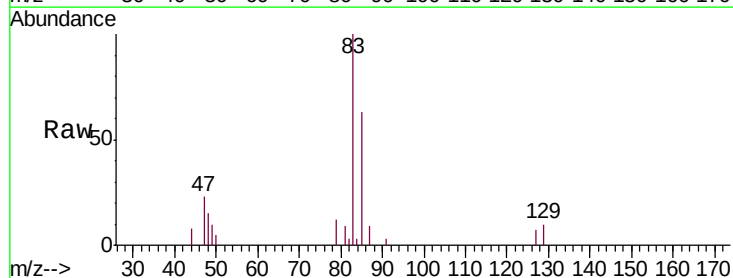
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

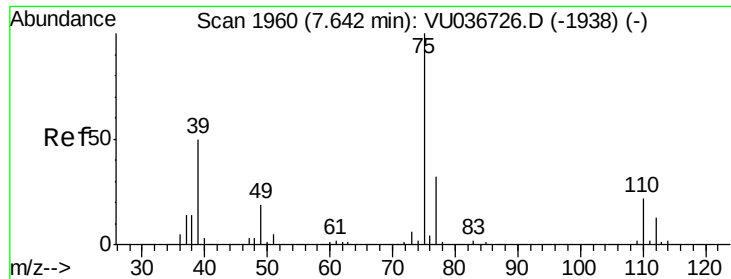
Tgt Ion: 63 Resp: 4962
 Ion Ratio Lower Upper
 63 100
 112 2.4 3.0 4.4#



#38
 Bromodichloromethane
 Concen: 0.492 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

Tgt Ion: 83 Resp: 5870
 Ion Ratio Lower Upper
 83 100
 85 63.2 43.0 80.0
 127 7.4 6.3 9.5

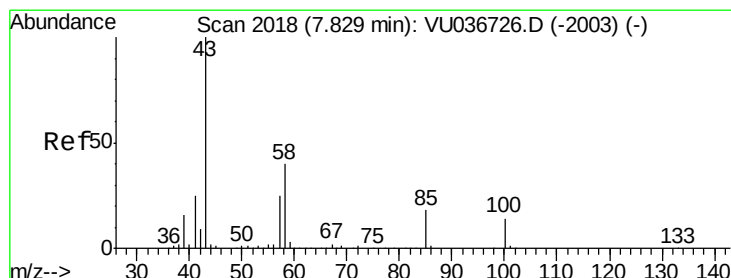
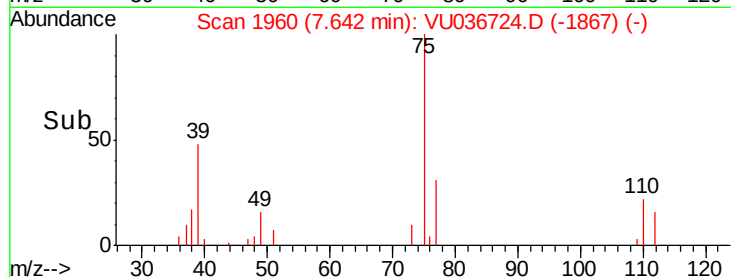
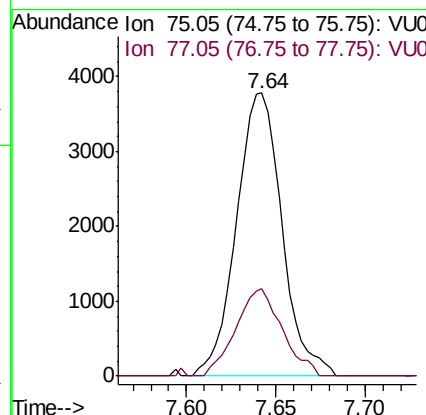
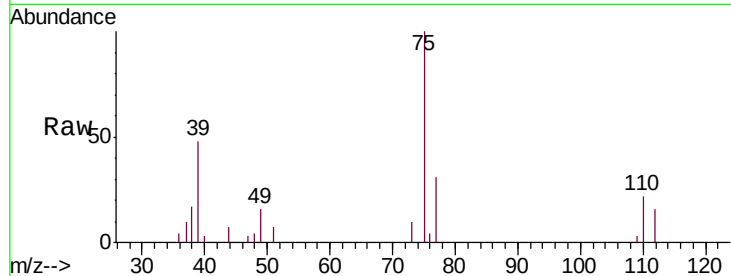




#39
 cis-1,3-Dichloropropene
 Concen: 0.472 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

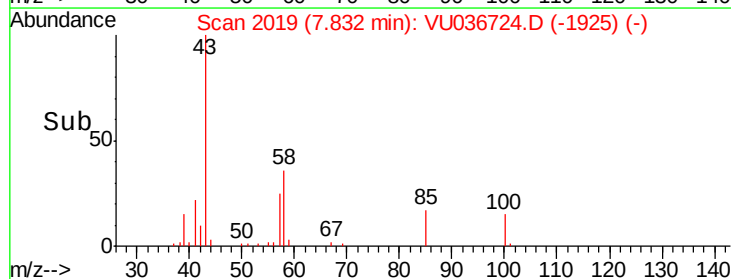
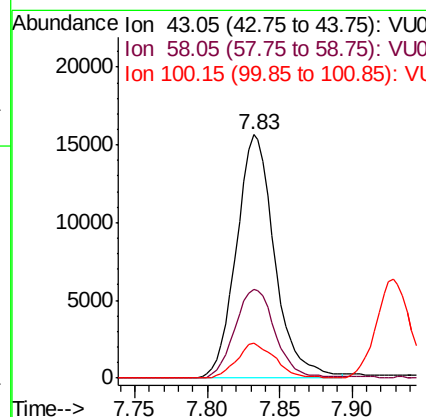
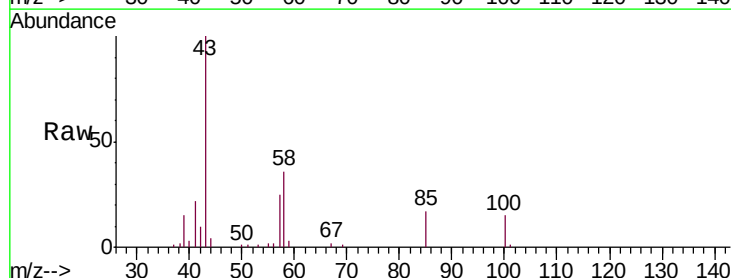
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

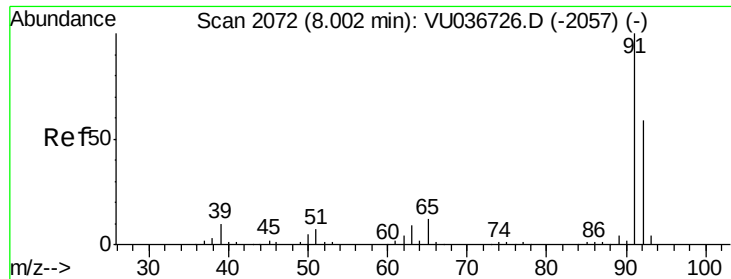
Tgt Ion: 75 Resp: 6726
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 4.636 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

Tgt Ion: 43 Resp: 28704
 Ion Ratio Lower Upper
 43 100
 58 39.1 32.0 48.0
 100 14.5 11.8 17.8





#42

Toluene

Concen: 0.522 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Instrument :

MSVOA_U

ClientSampleId :

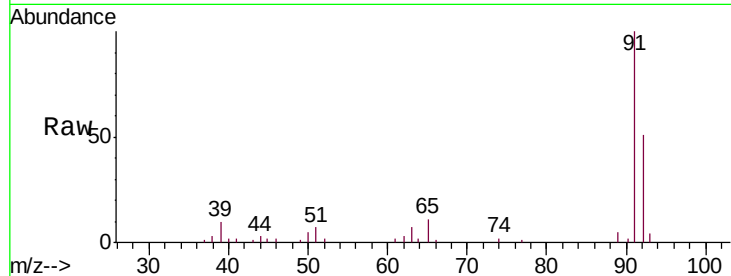
VSTD0.504

Tgt Ion: 91 Resp: 19603

Ion Ratio Lower Upper

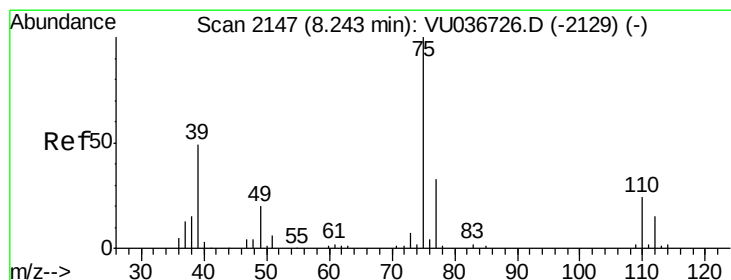
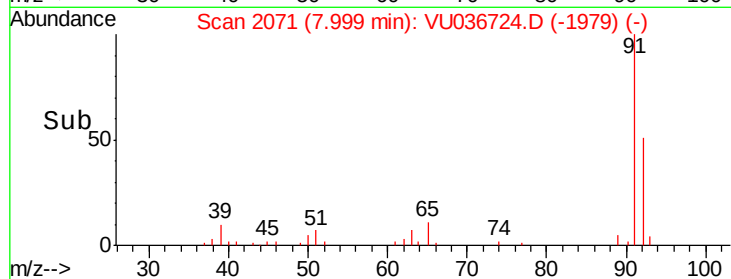
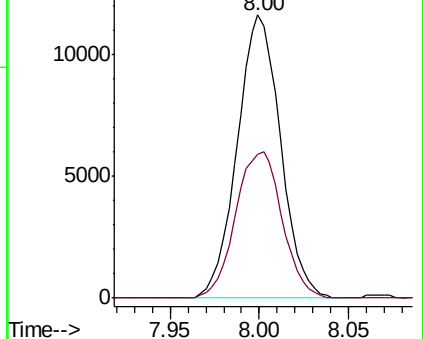
91 100

92 51.0 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036726.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036726.D (-2057) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.440 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036724.D

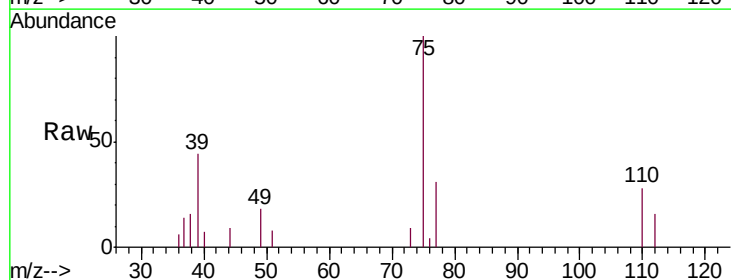
Acq: 11 Feb 2020 15:52

Tgt Ion: 75 Resp: 5134

Ion Ratio Lower Upper

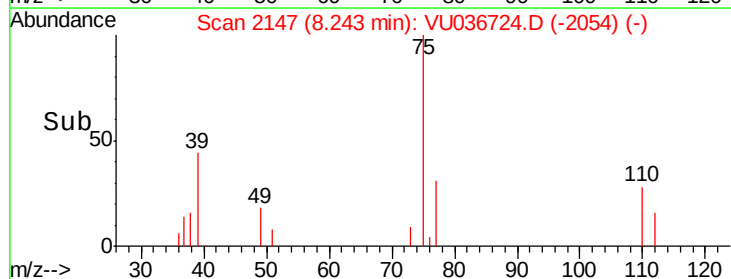
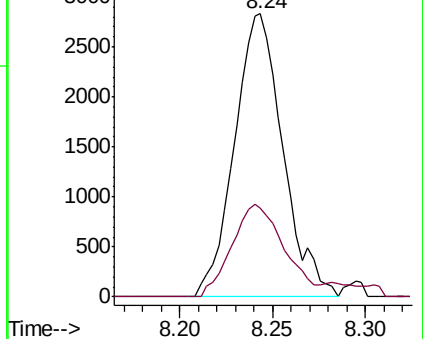
75 100

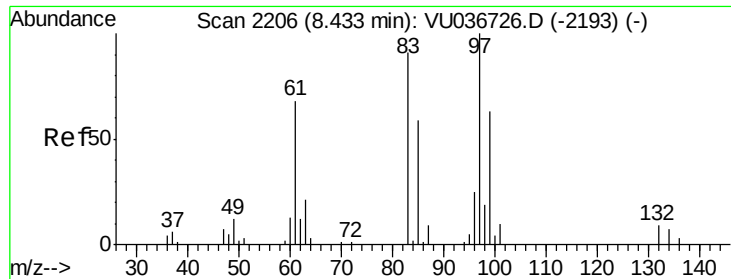
77 31.2 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036726.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036726.D (-2129) (-)

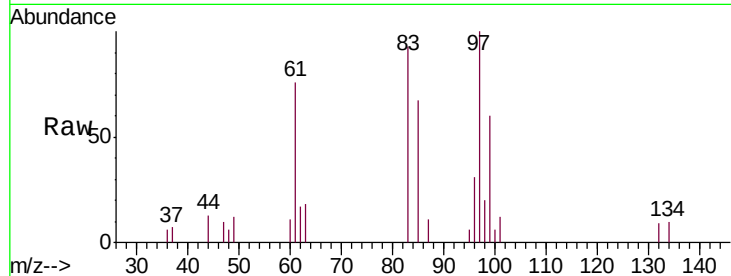




#45
 1,1,2-Trichloroethane
 Concen: 0.528 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tgt Ion:	97	Resp:	3390
Ion	Ratio	Lower	Upper
97	100		
99	60.0	44.1	81.9
83	93.3	63.5	117.9
85	67.4	41.2	76.4



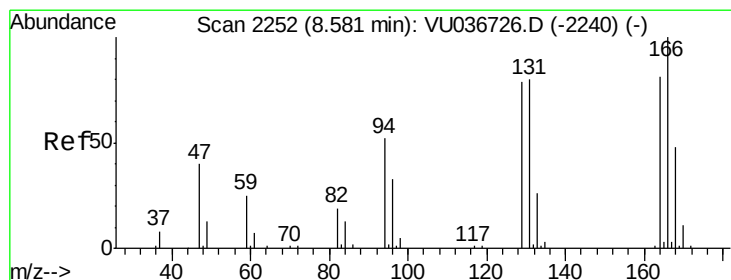
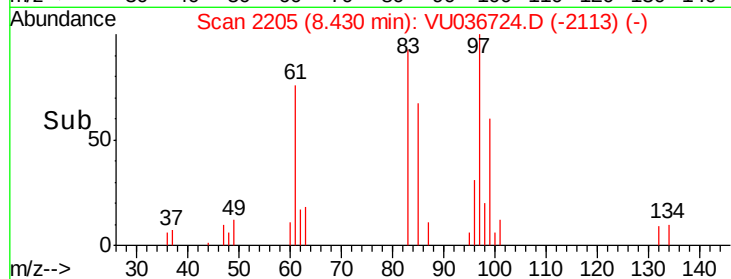
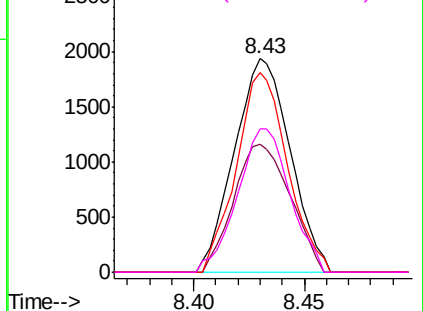
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

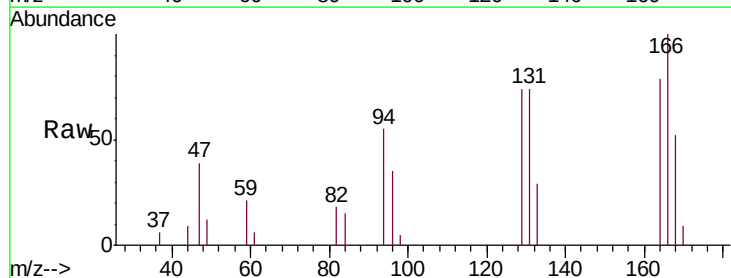
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 0.515 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

Tgt Ion:	164	Resp:	3259
Ion	Ratio	Lower	Upper
164	100		
129	93.5	68.0	126.4
131	94.1	69.4	128.8
166	127.0	86.6	160.8



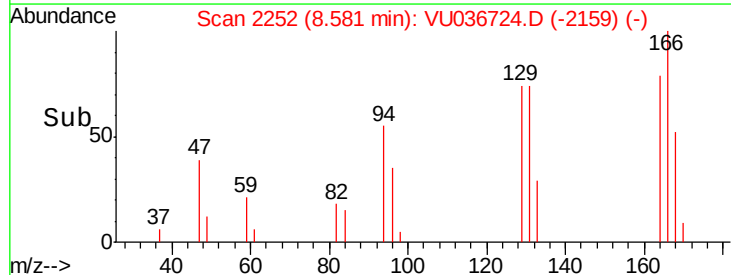
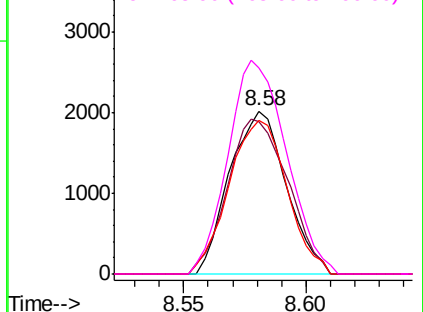
Abundance

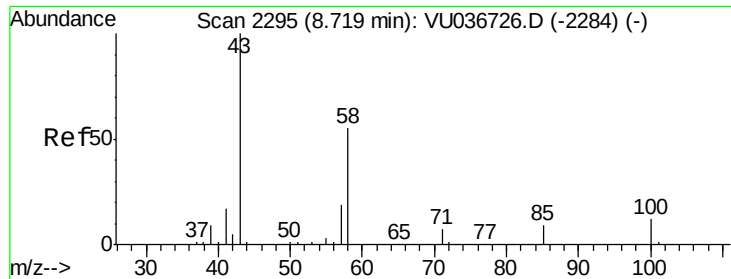
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

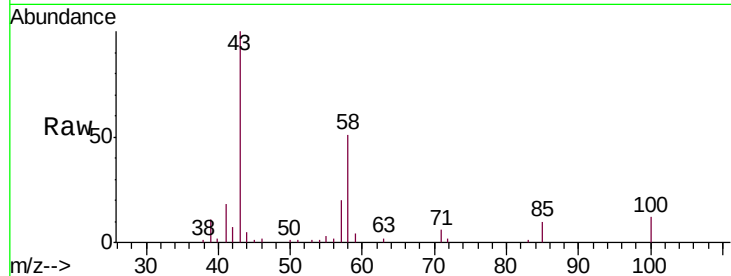




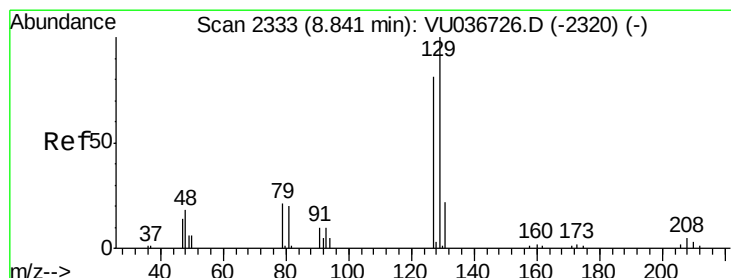
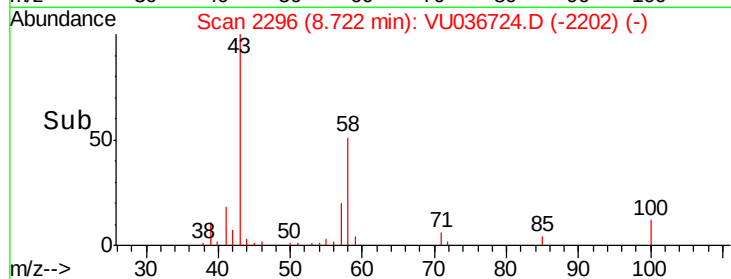
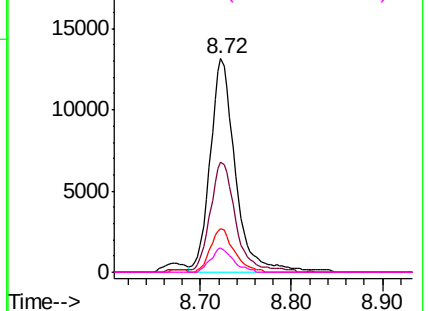
#48
2-Hexanone
Concen: 5.581 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036724.D
Acq: 11 Feb 2020 15:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

Tgt Ion:	43	Resp:	25509
Ion	Ratio	Lower	Upper
43	100		
58	52.1	43.6	65.4
57	19.0	15.0	22.4
100	9.9	9.0	13.6

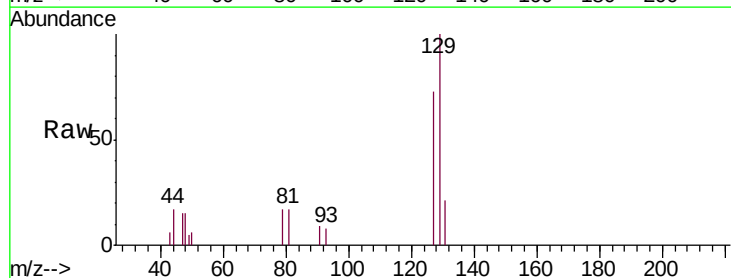


Abundance Ion 43.05 (42.75 to 43.75): VU036724.D (-2295) (-)
Ion 58.05 (57.75 to 58.75): VU036724.D (-2295) (-)
Ion 57.20 (56.90 to 57.90): VU036724.D (-2295) (-)
Ion 100.15 (99.85 to 100.85): VU036724.D (-2295) (-)

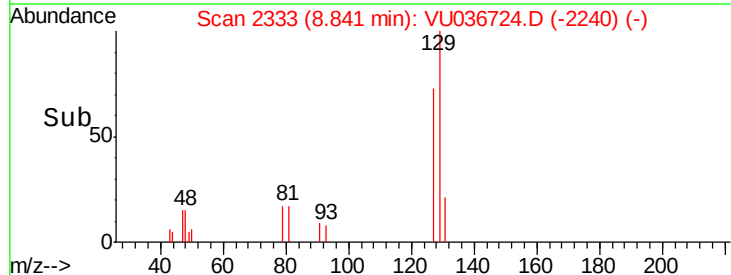
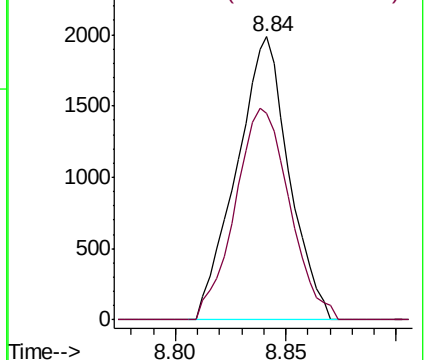


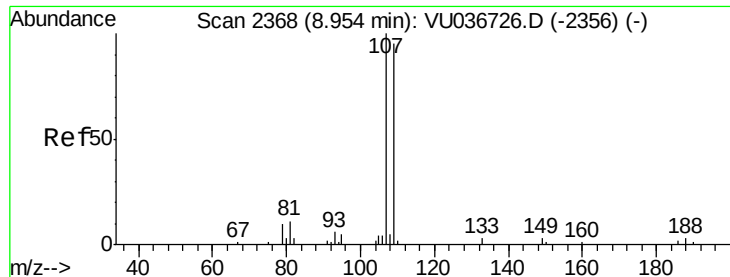
#49
Dibromochloromethane
Concen: 0.400 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036724.D
Acq: 11 Feb 2020 15:52

Tgt Ion:	129	Resp:	3272
Ion	Ratio	Lower	Upper
129	100		
127	73.1	56.7	105.3



Abundance Ion 128.95 (128.65 to 129.65): VU036724.D (-2333) (-)
Ion 126.90 (126.60 to 127.60): VU036724.D (-2333) (-)

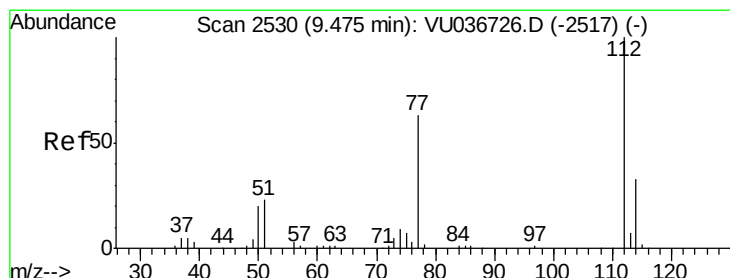
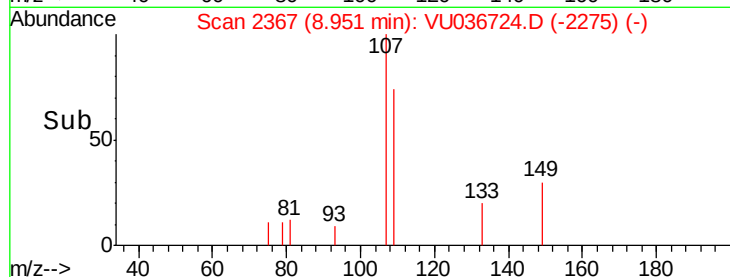
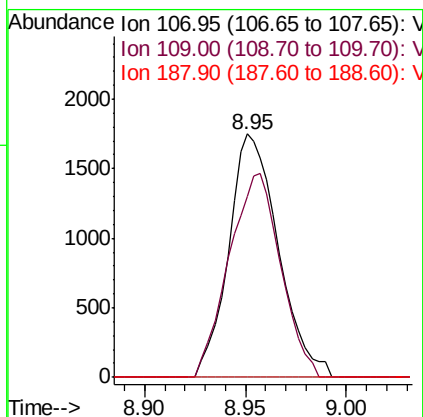
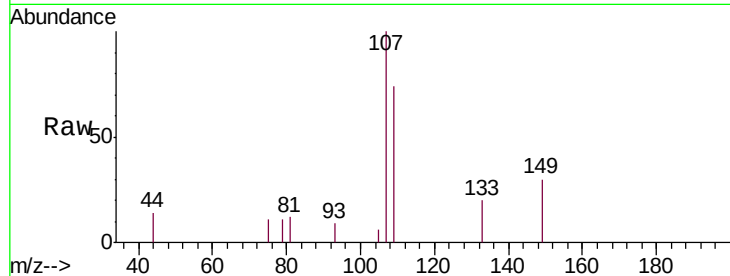




#50
1,2-Dibromoethane
Concen: 0.473 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VU036724.D
Acq: 11 Feb 2020 15:52

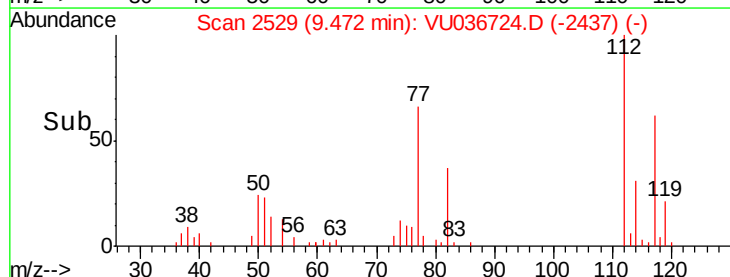
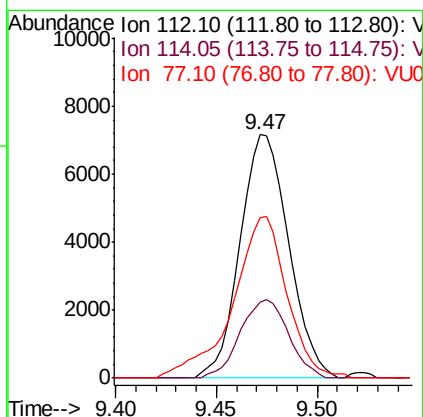
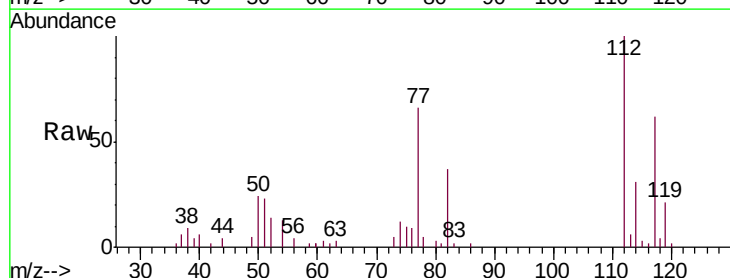
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

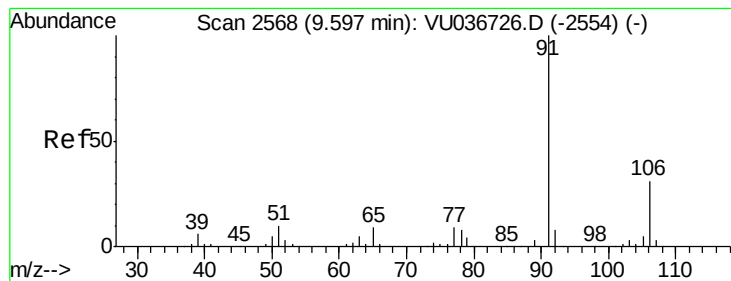
Tgt Ion:107 Resp: 3009
Ion Ratio Lower Upper
107 100
109 74.4 66.4 123.2
188 0.0 2.4 3.6#



#51
Chlorobenzene
Concen: 0.520 ug/L
RT: 9.47 min Scan# 2529
Delta R.T. -0.00 min
Lab File: VU036724.D
Acq: 11 Feb 2020 15:52

Tgt Ion:112 Resp: 12109
Ion Ratio Lower Upper
112 100
114 31.0 22.9 42.5
77 66.1 51.0 76.4





#52

Ethylbenzene

Concen: 0.514 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Instrument :

MSVOA_U

ClientSampleId :

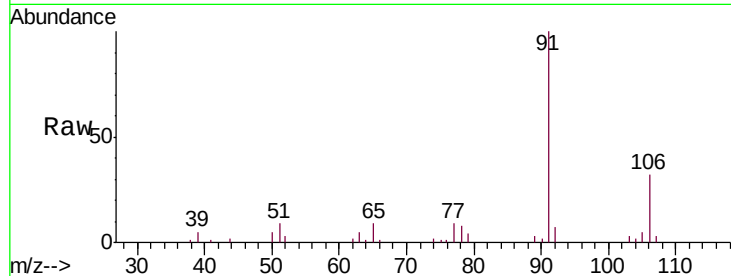
VSTD0.504

Tgt Ion: 91 Resp: 21348

Ion Ratio Lower Upper

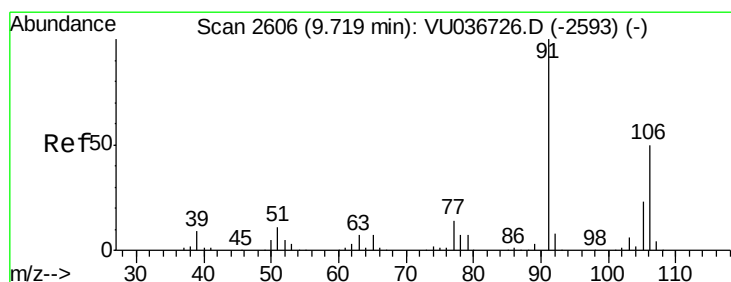
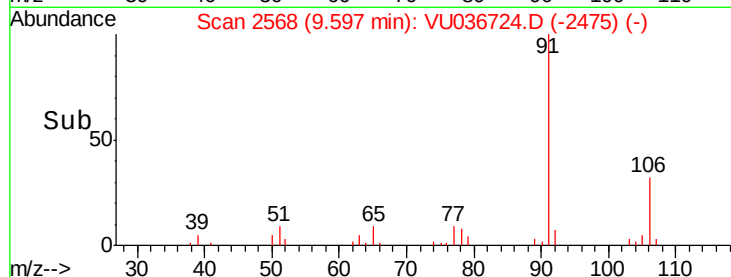
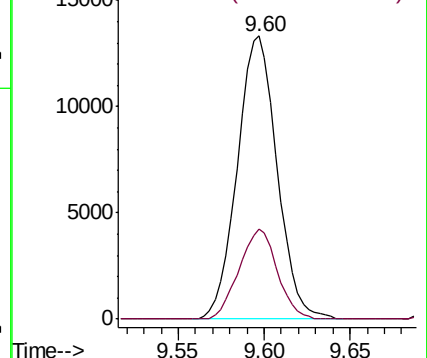
91 100

106 32.0 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 0.493 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036724.D

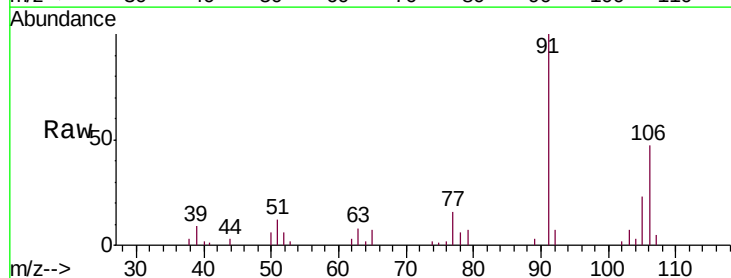
Acq: 11 Feb 2020 15:52

Tgt Ion: 106 Resp: 7849

Ion Ratio Lower Upper

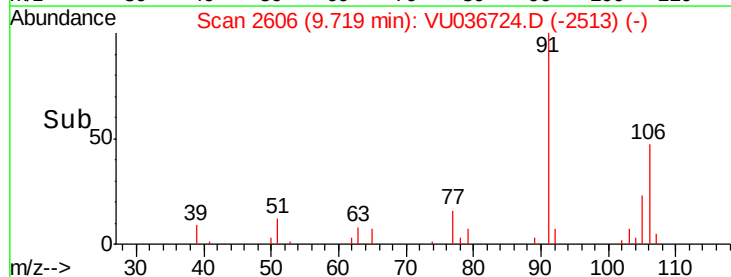
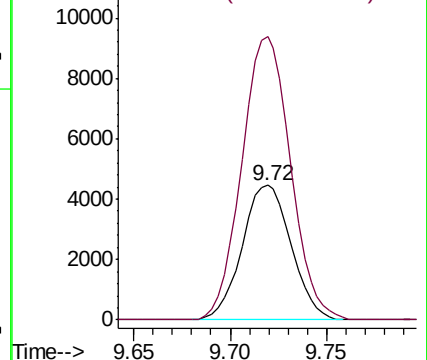
106 100

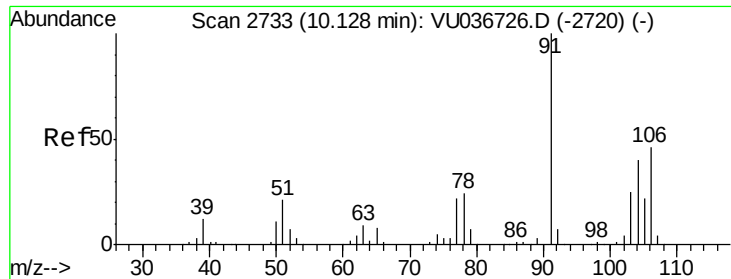
91 210.7 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

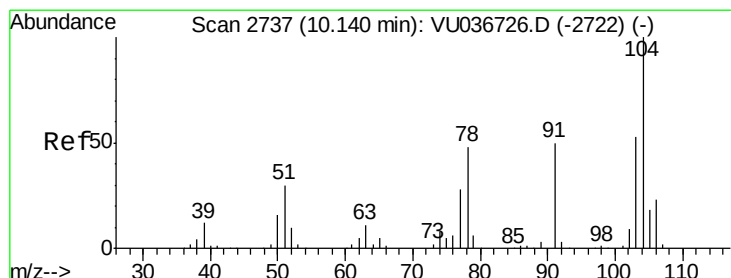
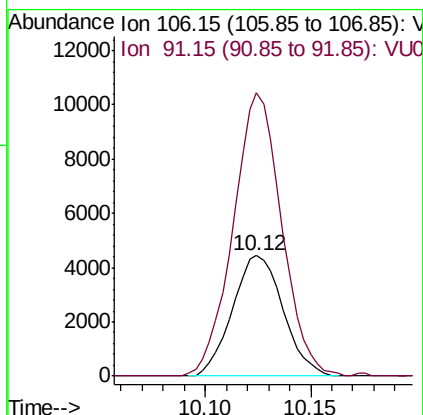
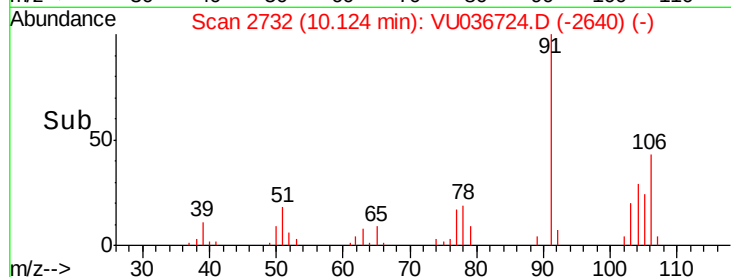
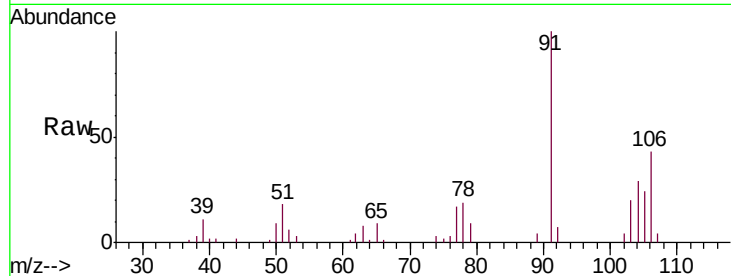




#54
o-Xylene
Concen: 0.477 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036724.D
Acq: 11 Feb 2020 15:52

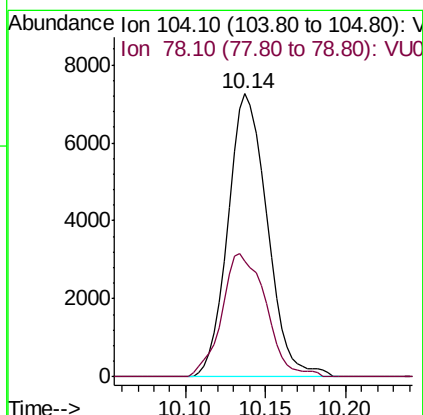
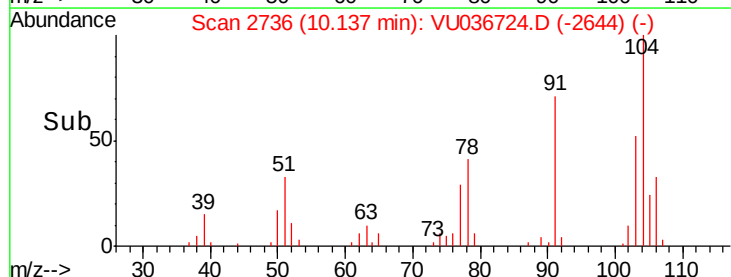
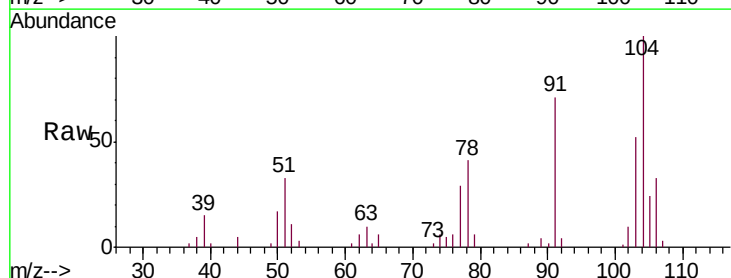
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.504

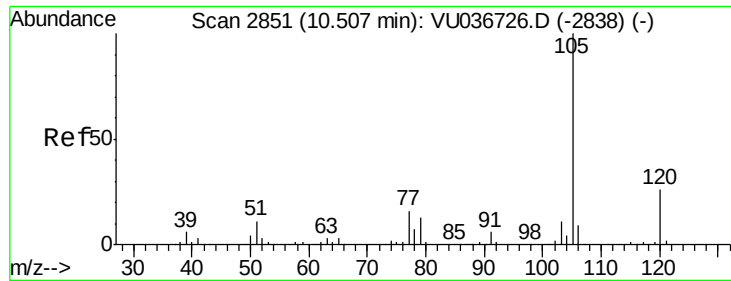
Tgt Ion:106 Resp: 7394
Ion Ratio Lower Upper
106 100
91 234.5 151.1 280.5



#55
Styrene
Concen: 0.463 ug/L
RT: 10.14 min Scan# 2736
Delta R.T. -0.00 min
Lab File: VU036724.D
Acq: 11 Feb 2020 15:52

Tgt Ion:104 Resp: 12165
Ion Ratio Lower Upper
104 100
78 40.7 33.5 62.3





#56

Isopropylbenzene

Concen: 0.487 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.504

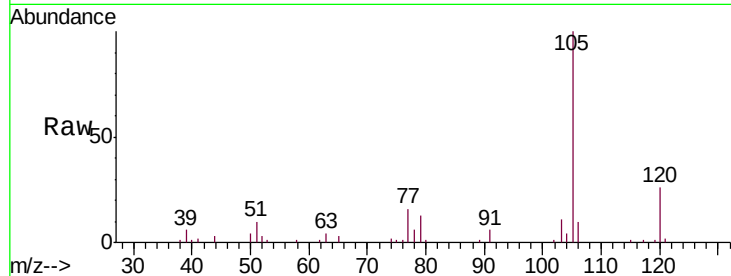
Tgt Ion: 105 Resp: 20001

Ion Ratio Lower Upper

105 100

120 26.0 20.5 30.7

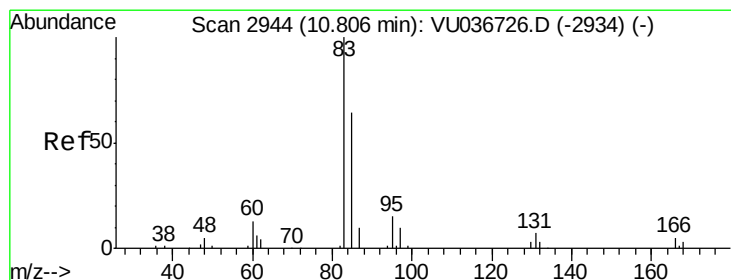
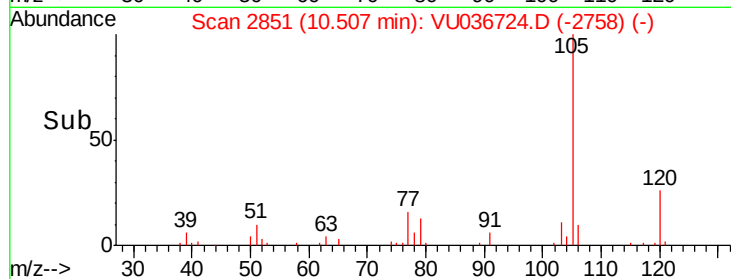
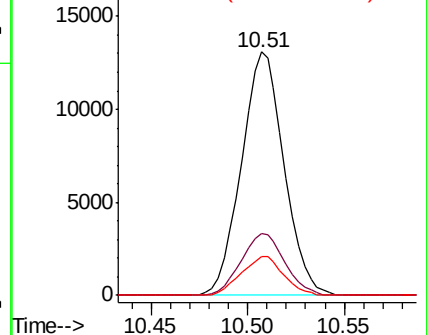
77 15.9 13.0 19.6



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: 0.501 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

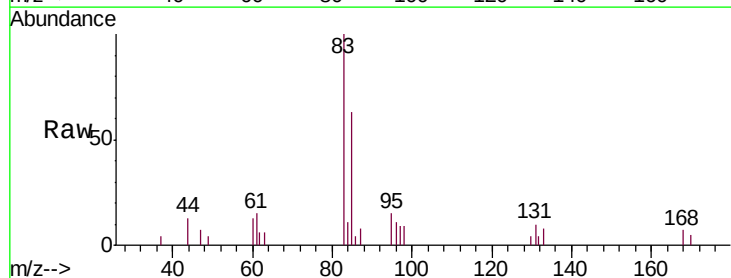
Tgt Ion: 83 Resp: 4328

Ion Ratio Lower Upper

83 100

85 63.0 45.6 84.6

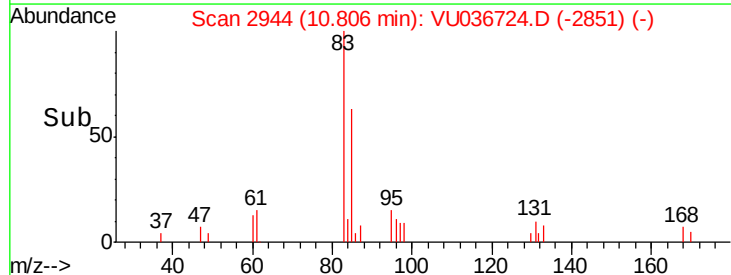
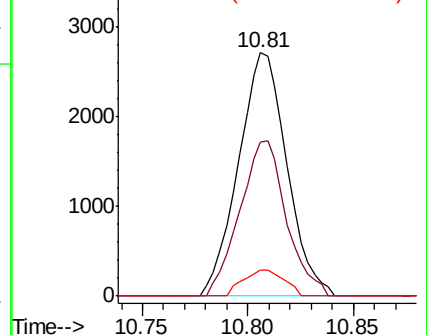
131 10.5 6.8 10.2#

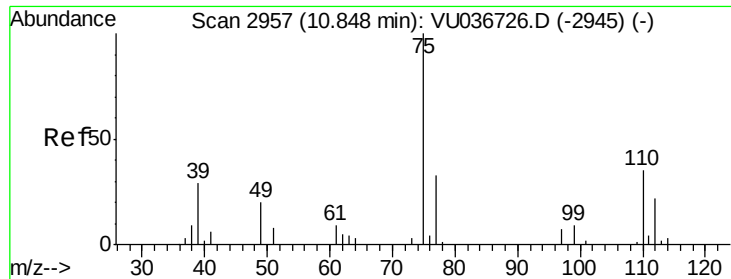


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.517 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Instrument :

MSVOA_U

ClientSampleId :

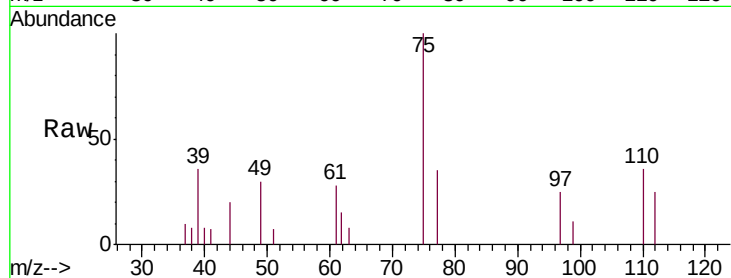
VSTD0.504

Tgt Ion: 75 Resp: 3156

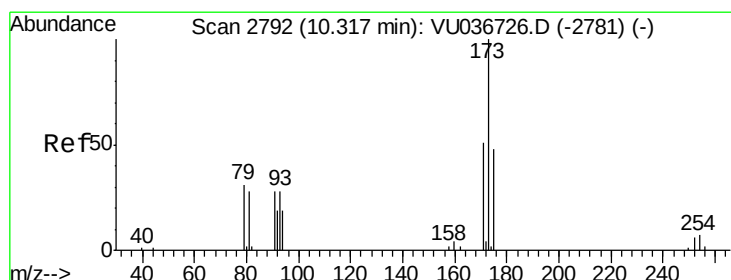
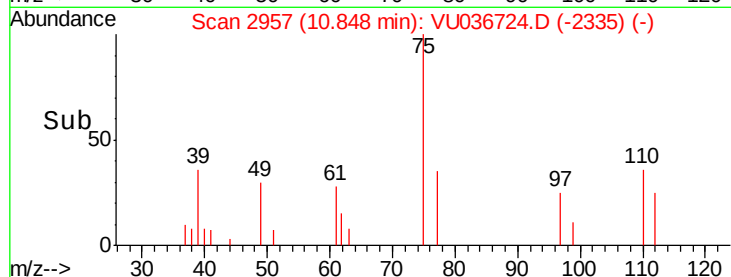
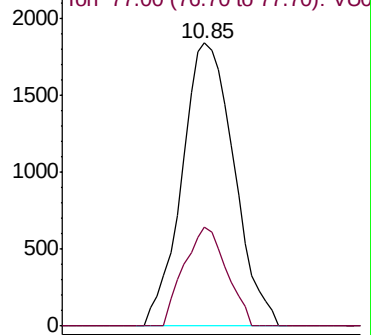
Ion Ratio Lower Upper

75 100

77 28.8 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU036726.D (-2945) (-)



#61

Bromoform

Concen: 0.375 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

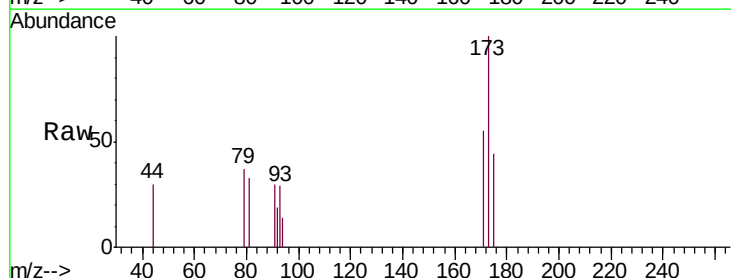
Tgt Ion: 173 Resp: 1621

Ion Ratio Lower Upper

173 100

175 43.4 39.9 59.9

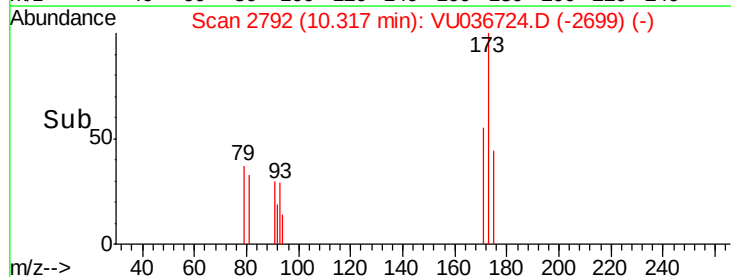
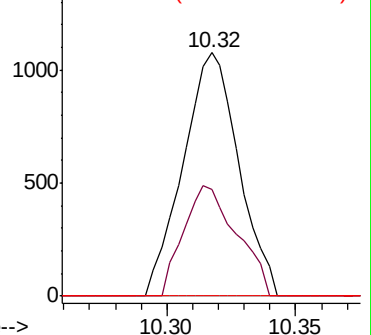
254 0.0 4.6 6.8#

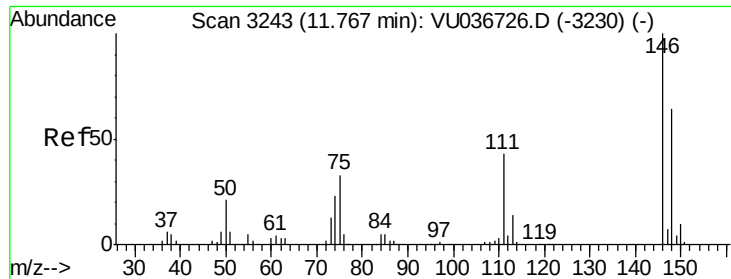


Abundance Ion 172.90 (172.60 to 173.60): VU036726.D (-2781) (-)

Ion 174.90 (174.60 to 175.60): VU036726.D (-2781) (-)

Ion 253.75 (253.45 to 254.45): VU036726.D (-2781) (-)

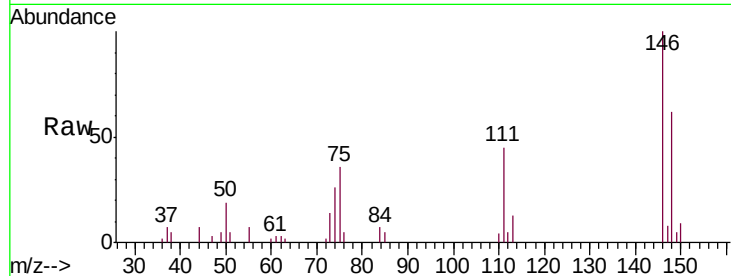




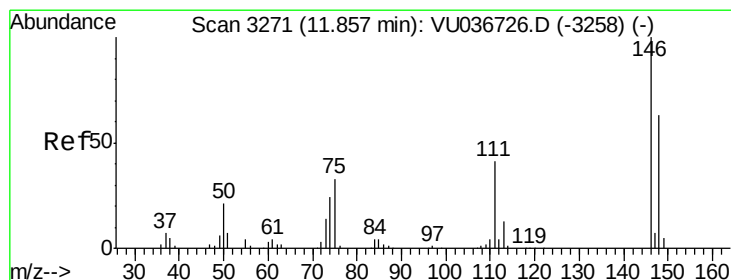
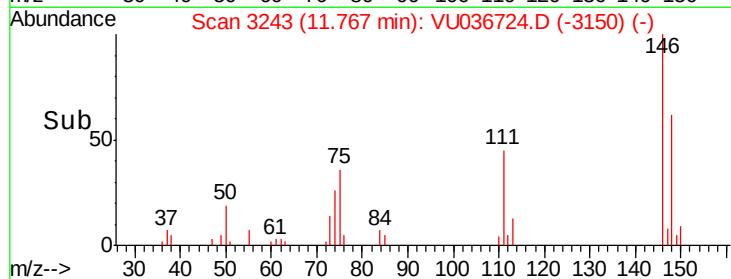
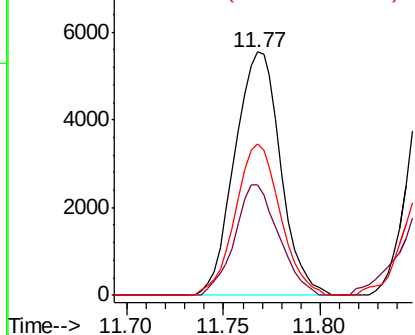
#62
 1,3-Dichlorobenzene
 Concen: 0.542 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tgt Ion:146 Resp: 9162
 Ion Ratio Lower Upper
 146 100
 111 45.4 30.0 55.8
 148 62.2 44.5 82.7

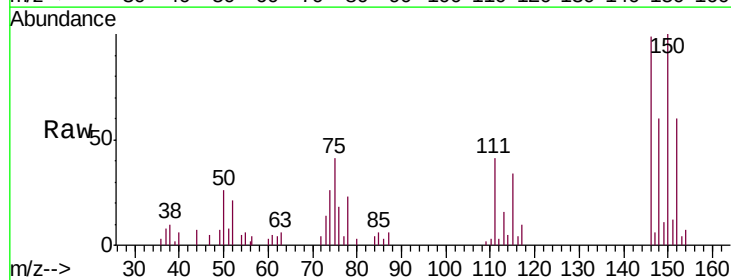


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

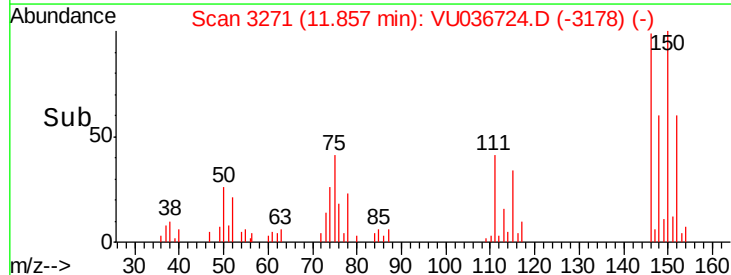
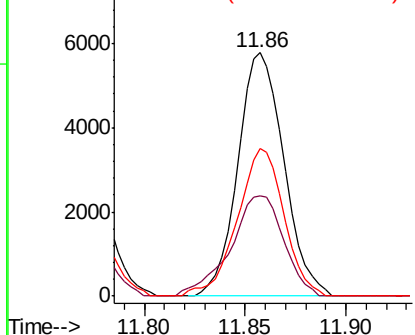


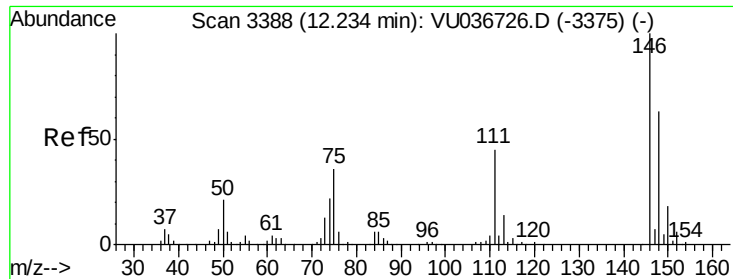
#63
 1,4-Dichlorobenzene
 Concen: 0.552 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

Tgt Ion:146 Resp: 9241
 Ion Ratio Lower Upper
 146 100
 111 41.3 29.2 54.2
 148 60.6 44.3 82.3



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

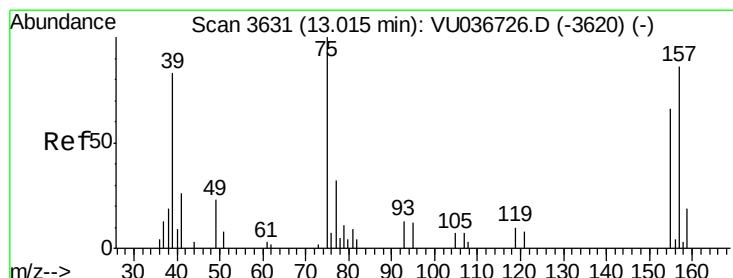
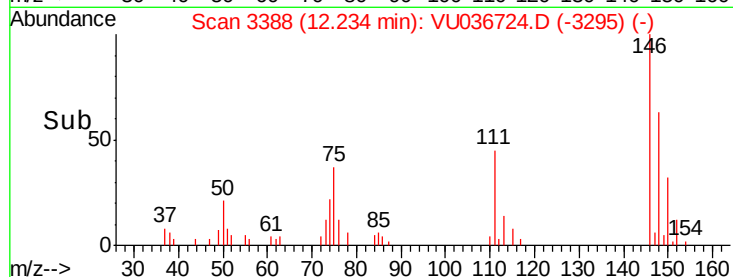
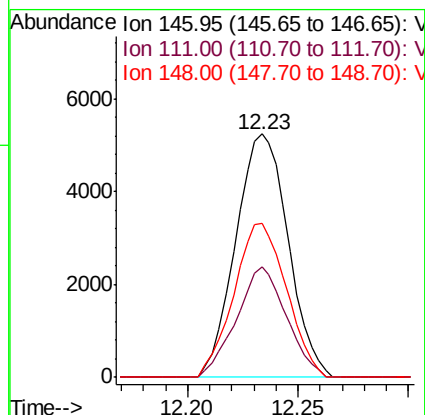
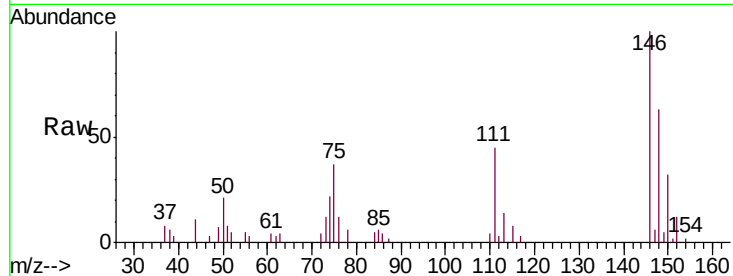




#65
 1,2-Dichlorobenzene
 Concen: 0.539 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

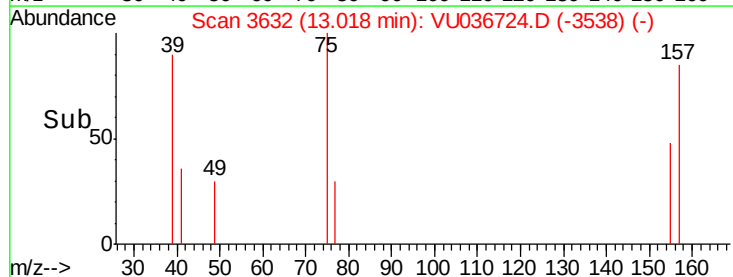
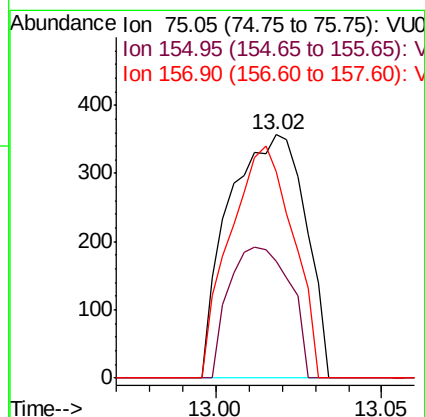
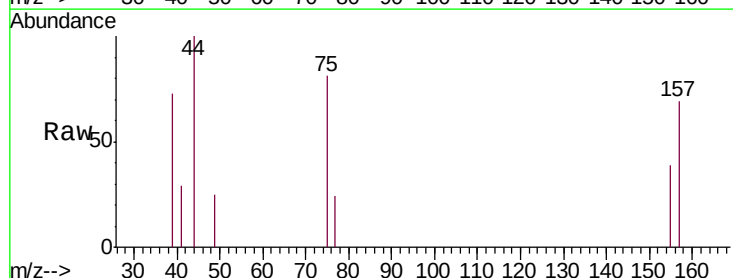
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

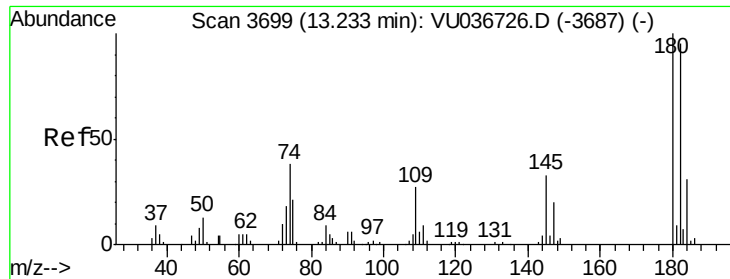
Tgt Ion: 146 Resp: 8663
 Ion Ratio Lower Upper
 146 100
 111 45.2 35.9 53.9
 148 63.2 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.403 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

Tgt Ion: 75 Resp: 574
 Ion Ratio Lower Upper
 75 100
 155 48.2 52.9 79.3#
 157 84.6 69.2 103.8

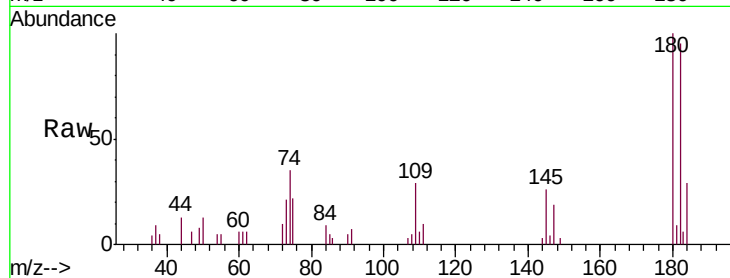




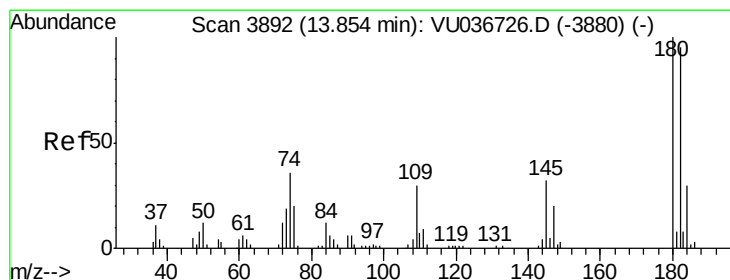
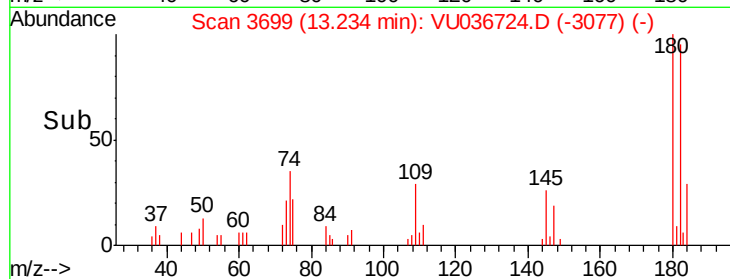
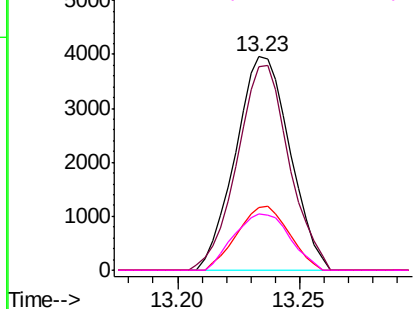
#67
 1,3,5-Trichlorobenzene
 Concen: 0.509 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. 0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.504

Tgt Ion:180 Resp: 6111
 Ion Ratio Lower Upper
 180 100
 182 91.6 76.4 114.6
 184 28.4 24.6 37.0
 145 27.2 25.3 37.9

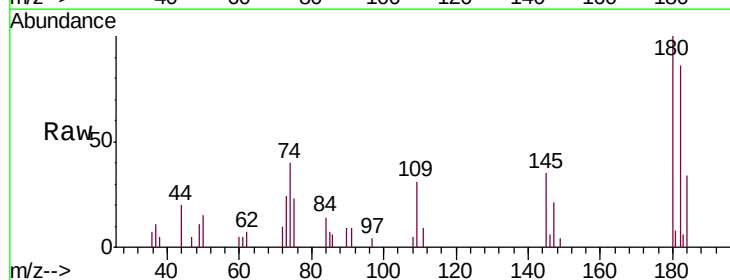


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

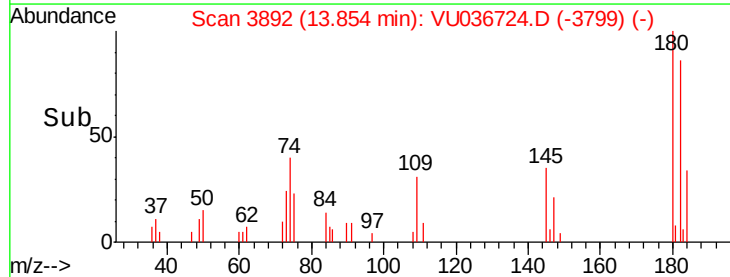
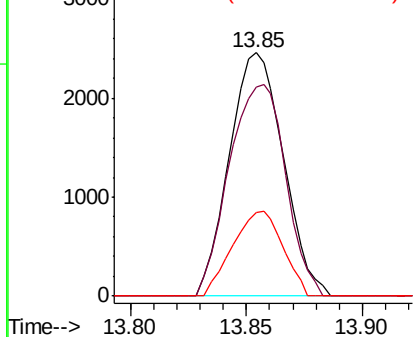


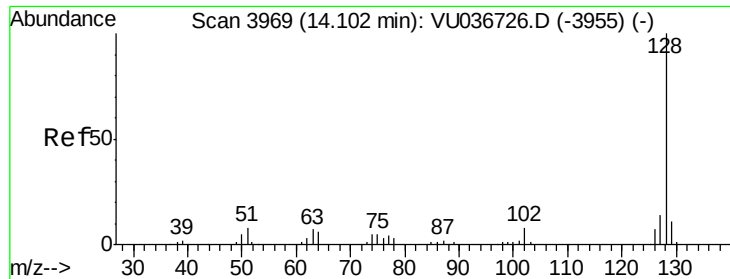
#68
 1,2,4-trichlorobenzene
 Concen: 0.450 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036724.D
 Acq: 11 Feb 2020 15:52

Tgt Ion:180 Resp: 3983
 Ion Ratio Lower Upper
 180 100
 182 90.7 77.0 115.6
 145 32.3 26.5 39.7



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: 0.417 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

Instrument :

MSVOA_U

ClientSampled :

VSTD0.504

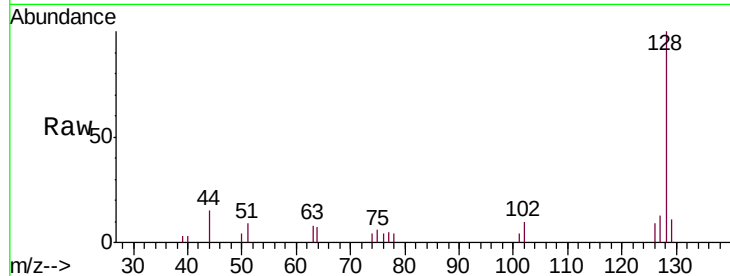
Tgt Ion:128 Resp: 6554

Ion Ratio Lower Upper

128 100

129 10.1 9.0 13.4

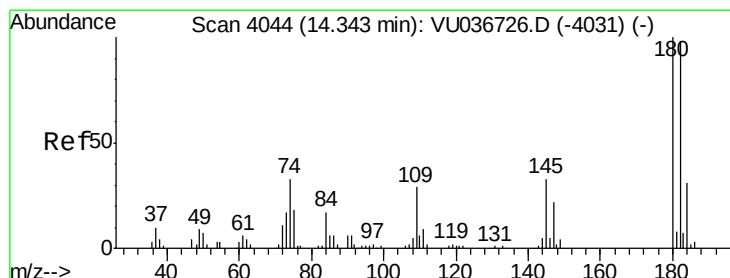
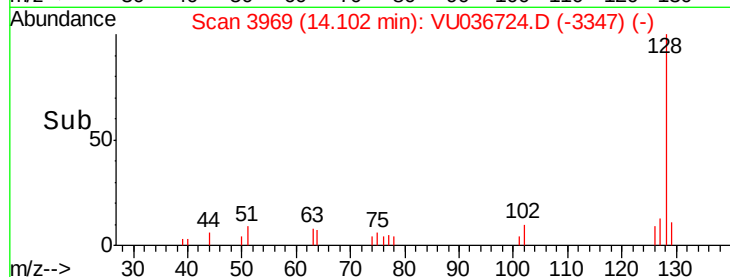
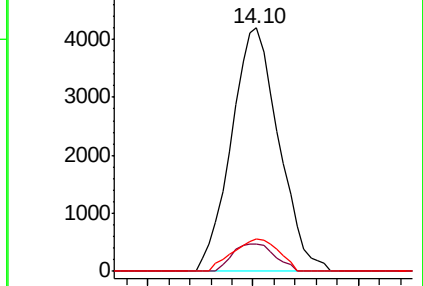
127 12.8 10.8 16.2



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: 0.433 ug/L

RT: 14.34 min Scan# 4044

Delta R.T. 0.00 min

Lab File: VU036724.D

Acq: 11 Feb 2020 15:52

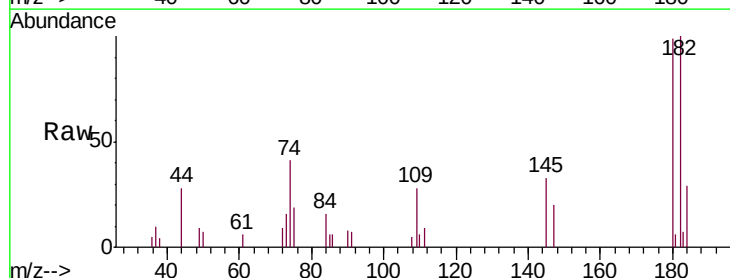
Tgt Ion:180 Resp: 3682

Ion Ratio Lower Upper

180 100

182 98.4 78.2 117.4

145 34.6 27.0 40.6



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

