

Data File : VU036726.D
Acq On : 11 Feb 2020 16:42
Operator : JC/MD
Sample : VSTD00506
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Quant Time: Feb 12 07:35:35 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	123407	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	115879	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	53111	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	51024	5.49	ug/L	0.00
7) Chloroethane-d5	1.93	69	45969	5.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	86254	5.18	ug/L	0.00
20) 2-Butanone-d5	4.68	46	115642	50.46	ug/L	0.00
24) Chloroform-d	5.11	84	80457	4.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	45491	4.75	ug/L	0.00
32) Benzene-d6	5.77	84	174970	5.14	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	54211	4.98	ug/L	0.00
41) Toluene-d8	7.93	98	161961	5.07	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	21300	4.35	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	98903	46.91	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	42548	4.60	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	52116	4.61	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	39973	4.161 ug/L	100
3) Chloromethane	1.54	50	40480	4.345 ug/L	100
5) Vinyl chloride	1.62	62	48965	4.760 ug/L	100
6) Bromomethane	1.87	94	28632	4.801 ug/L	100
8) Chloroethane	1.95	64	31198	5.024 ug/L	100
9) Trichlorofluoromethane	2.16	101	63582	4.432 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	40140	5.190 ug/L	100
12) 1,1-Dichloroethene	2.61	96	36173	4.811 ug/L	100
13) Acetone	2.66	43	140833	78.566 ug/L	100
14) Carbon disulfide	2.82	76	85837	3.670 ug/L	100
15) Methyl Acetate	2.99	43	18150	5.380 ug/L	100
16) Methylene chloride	3.08	84	50180	5.081 ug/L	100
17) Methyl tert-butyl Ether	3.41	73	109778	5.000 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	38206	4.604 ug/L	100
19) 1,1-Dichloroethane	3.92	63	81449	5.247 ug/L	100
21) 2-Butanone	4.76	43	163842	62.530 ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	45933	4.816 ug/L	100
23) Bromochloromethane	5.02	128	18773	4.789 ug/L	100
25) Chloroform	5.13	83	82876	5.082 ug/L	100
27) 1,2-Dichloroethane	5.84	62	53150	4.959 ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	61916	4.405 ug/L	100
30) Cyclohexane	5.43	56	65739	4.645 ug/L	100
31) Carbon tetrachloride	5.56	117	50484	4.253 ug/L	100
33) Benzene	5.82	78	172885	4.985 ug/L	100
34) Trichloroethene	6.58	95	43972	4.776 ug/L	100
35) Methylcyclohexane	6.80	83	71505	4.897 ug/L	100
37) 1,2-Dichloropropane	6.83	63	48009	5.328 ug/L	100
38) Bromodichloromethane	7.14	83	56726	4.674 ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	70482	4.862 ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	313006	49.740 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	186266	4.879	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	55118	4.652	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	33007	5.061	ug/L	100
47) Tetrachloroethene	8.58	164	29666	4.616	ug/L	100
48) 2-Hexanone	8.72	43	273053	58.773	ug/L	100
49) Dibromochloromethane	8.84	129	35005	4.215	ug/L	100
50) 1,2-Dibromoethane	8.95	107	29977	4.641	ug/L	100
51) Chlorobenzene	9.47	112	114375	4.834	ug/L	100
52) Ethylbenzene	9.60	91	208099	4.932	ug/L	100
53) m,p-Xylene	9.72	106	77967	4.818	ug/L	100
54) o-Xylene	10.13	106	77217	4.899	ug/L	100
55) Styrene	10.14	104	128342	4.807	ug/L	100
56) Isopropylbenzene	10.51	105	203856	4.881	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	43423	4.947	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	31441	5.064	ug/L	100
61) Bromoform	10.32	173	18228	3.991	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	87926	4.917	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	87828	4.959	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	85787	5.052	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	6801	4.515	ug/L	100
67) 1,3,5-Trichlorobenzene	13.23	180	64547	5.090	ug/L	100
68) 1,2,4-trichlorobenzene	13.85	180	49663	5.313	ug/L	100
69) Naphthalene	14.10	128	91206	5.488	ug/L	100
70) 1,2,3-Trichlorobenzene	14.34	180	45181	5.027	ug/L	100

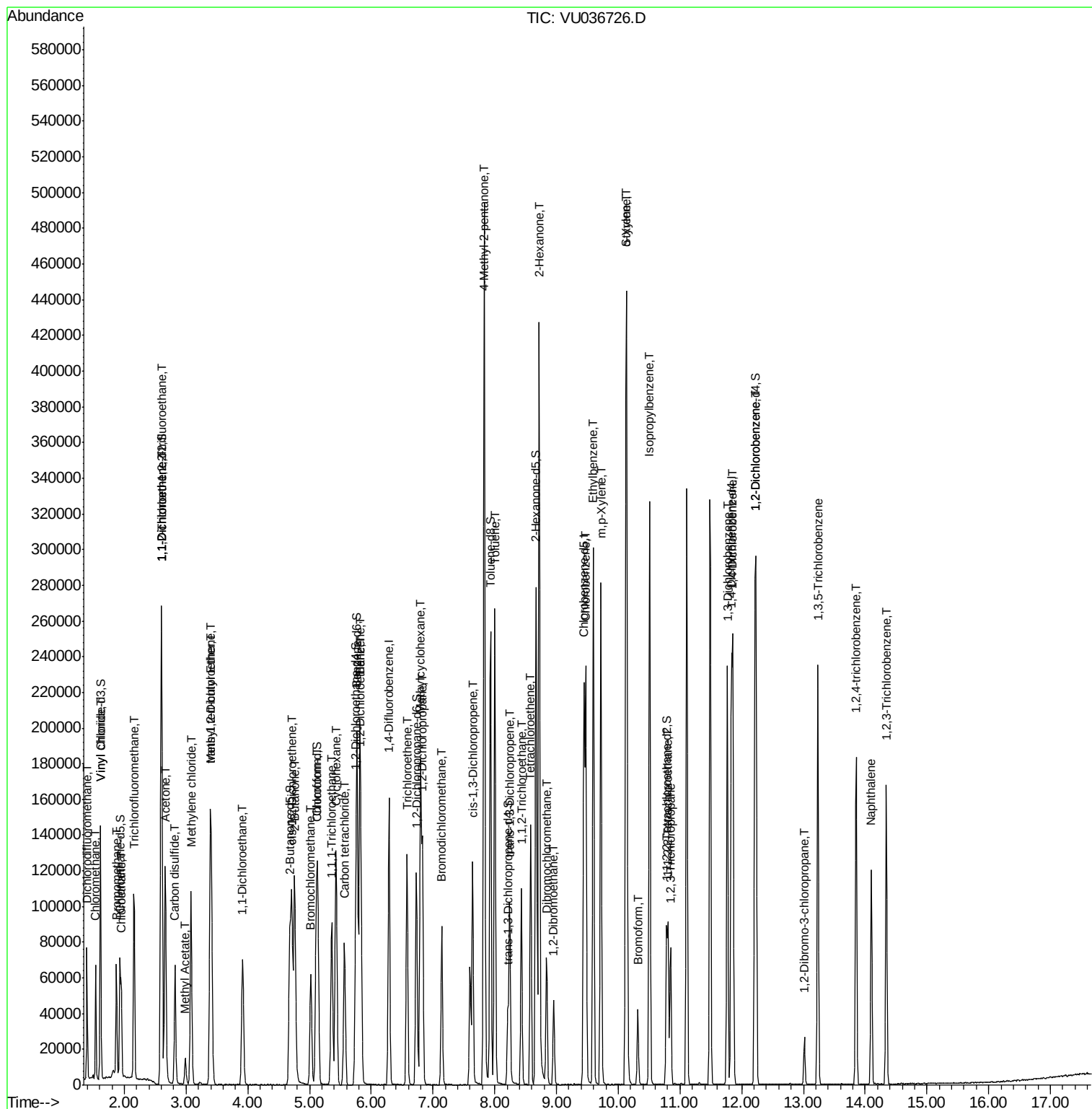
(#) = qualifier out of range (m) = manual integration (+) = signals summed

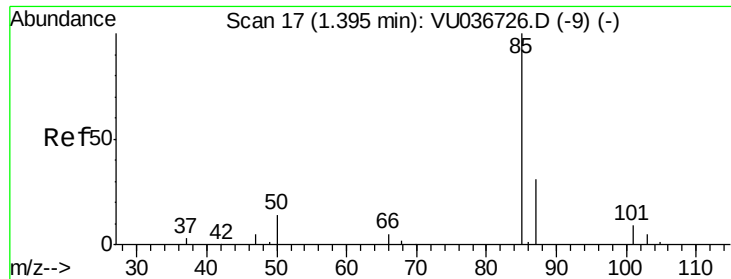
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#2

Dichlorodifluoromethane

Concen: 4.161 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

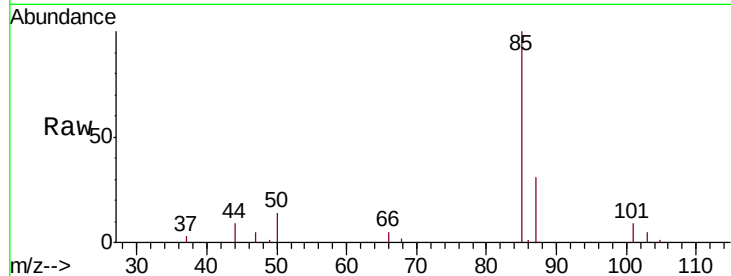
VSTD00506

Tgt Ion: 85 Resp: 39973

Ion Ratio Lower Upper

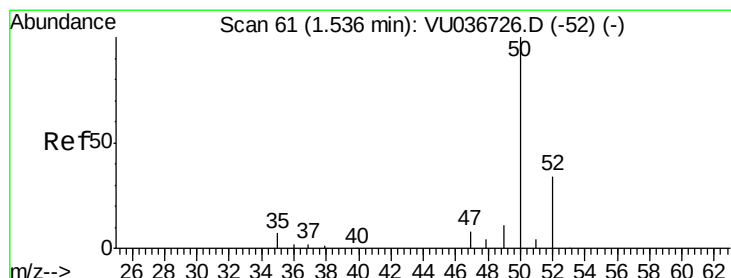
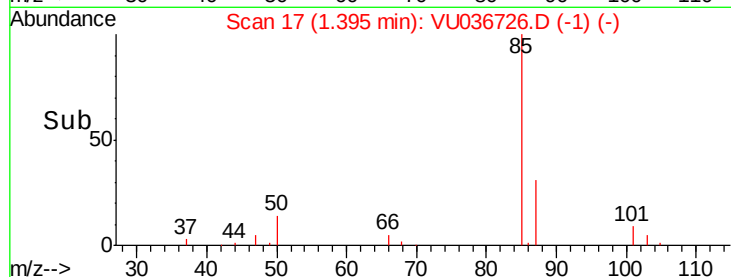
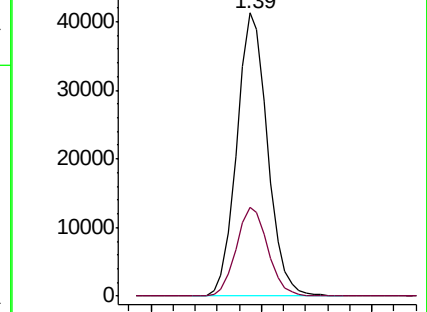
85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036726.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036726.D (-9) (-)



#3

Chloromethane

Concen: 4.345 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036726.D

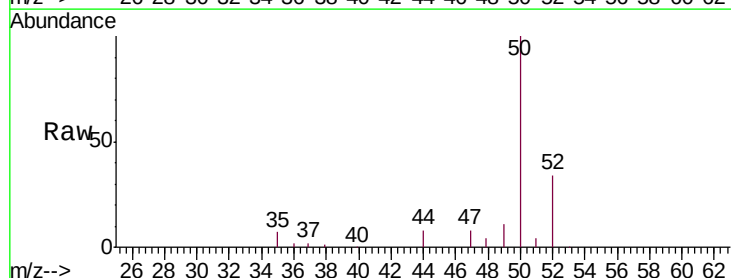
Acq: 11 Feb 2020 16:42

Tgt Ion: 50 Resp: 40480

Ion Ratio Lower Upper

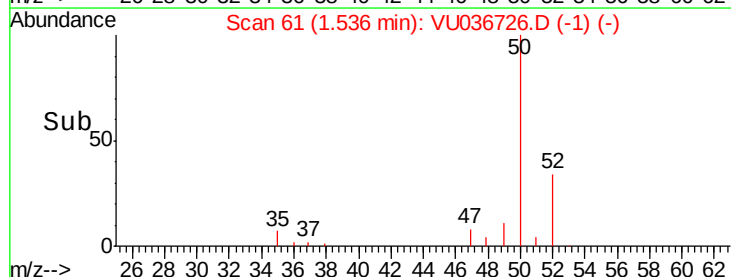
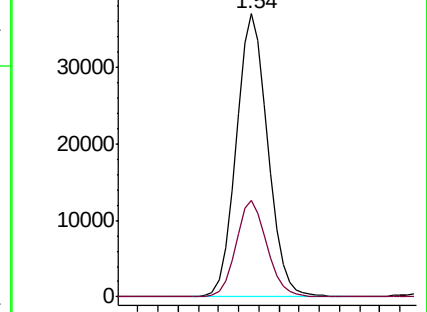
50 100

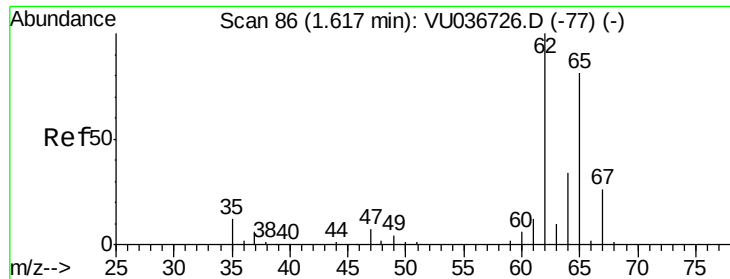
52 34.0 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036726.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036726.D (-52) (-)





#5

Vinyl chloride

Concen: 4.760 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

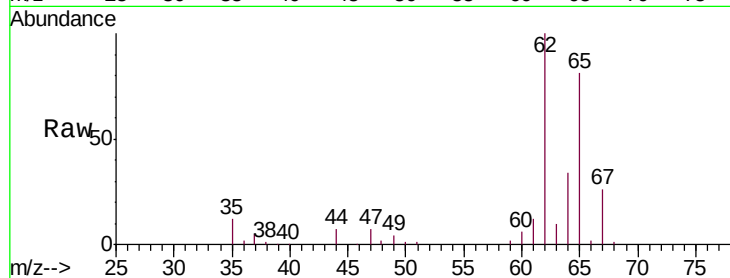
VSTD00506

Tgt Ion: 62 Resp: 48965

Ion Ratio Lower Upper

62 100

64 34.4 24.1 44.7



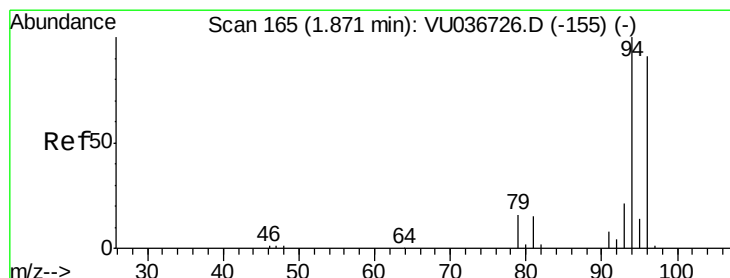
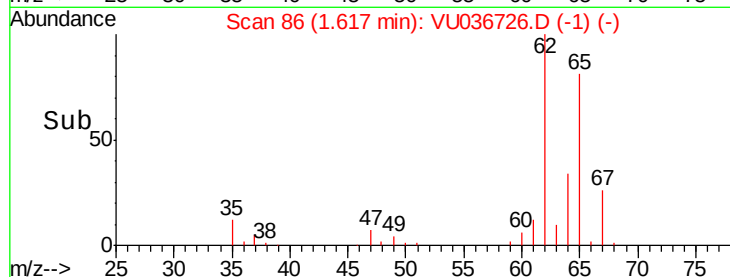
Abundance Ion 62.00 (61.70 to 62.70): VU036726.D (-77) (-)

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

1.62

Time-->

Mass spectrum showing abundance (0 to 50000) versus time (1.60 to 1.65 min). The peak at 1.62 min is labeled.



#6

Bromomethane

Concen: 4.801 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU036726.D

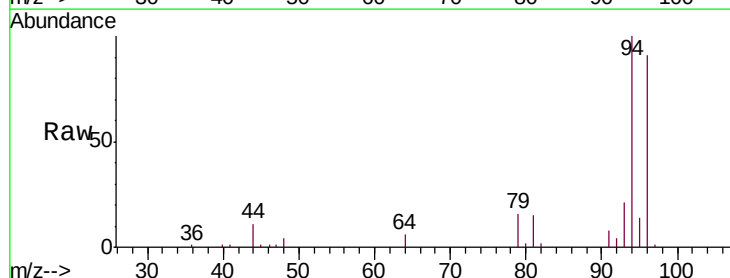
Acq: 11 Feb 2020 16:42

Tgt Ion: 94 Resp: 28632

Ion Ratio Lower Upper

94 100

96 90.5 63.3 117.7



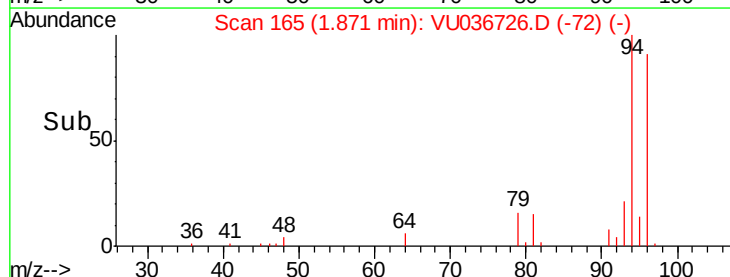
Abundance Ion 94.00 (93.70 to 94.70): VU036726.D (-155) (-)

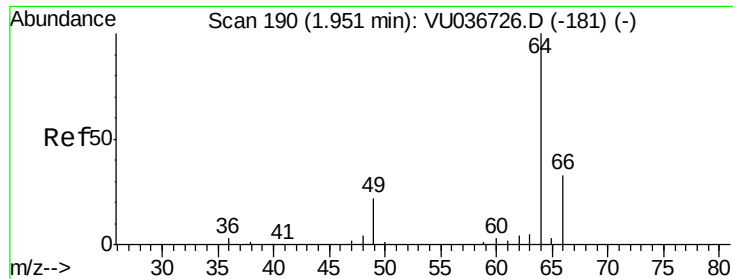
Ion 96.00 (95.70 to 96.70): VU036726.D (-155) (-)

1.87

Time-->

Mass spectrum showing abundance (0 to 25000) versus time (1.80 to 1.95 min). The peak at 1.87 min is labeled.

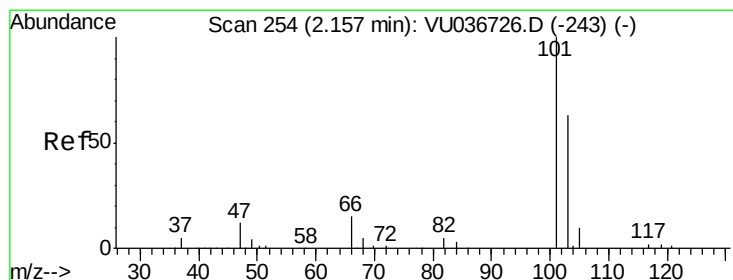
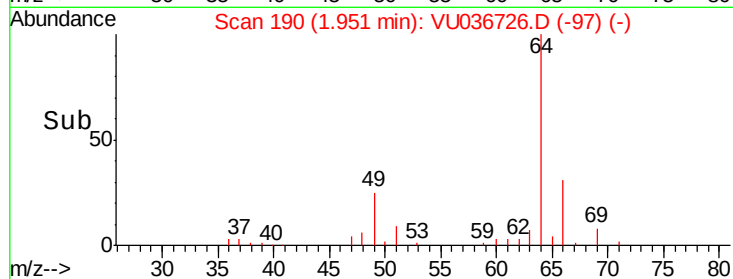
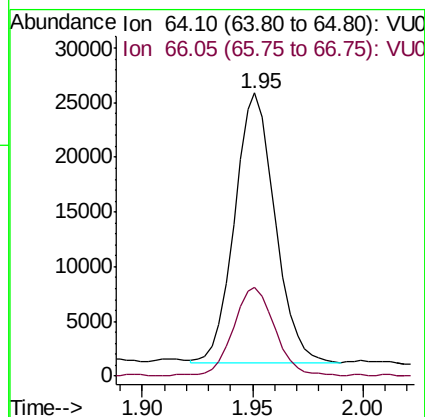
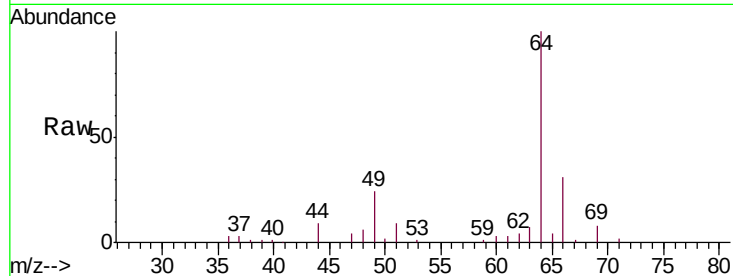




#8
 Chloroethane
 Concen: 5.024 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

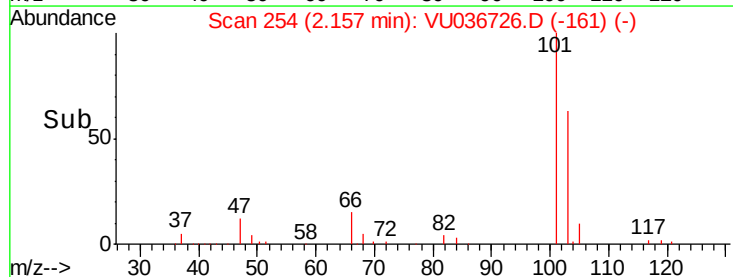
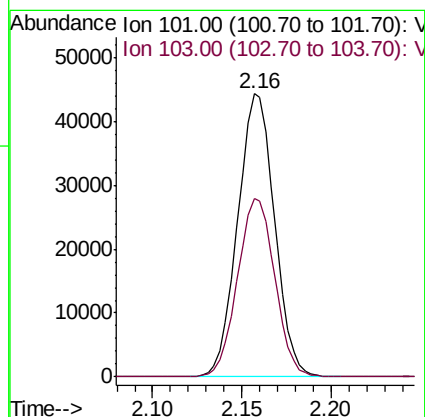
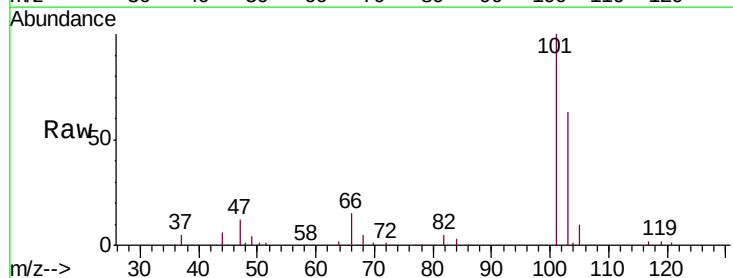
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

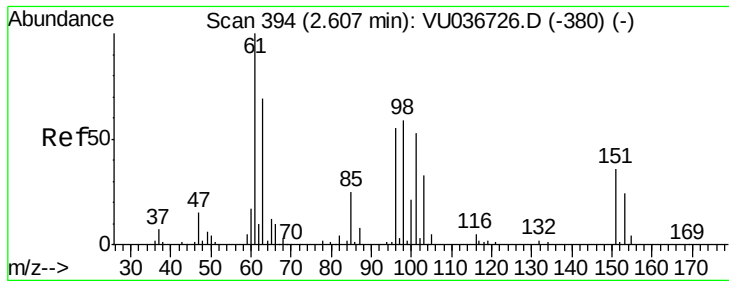
Tgt Ion: 64 Resp: 31198
 Ion Ratio Lower Upper
 64 100
 66 31.2 21.8 40.6



#9
 Trichlorofluoromethane
 Concen: 4.432 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

Tgt Ion: 101 Resp: 63582
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.0 76.6





#10

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

Concen: 5.190 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

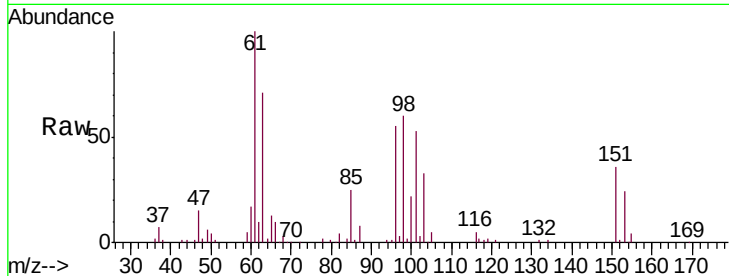
Tgt Ion: 101 Resp: 40140

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

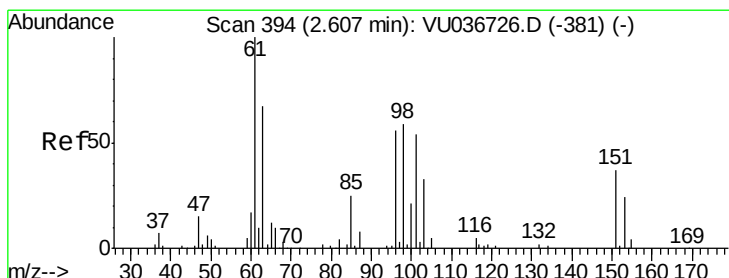
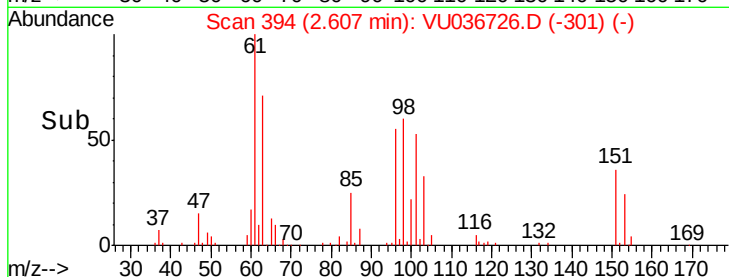
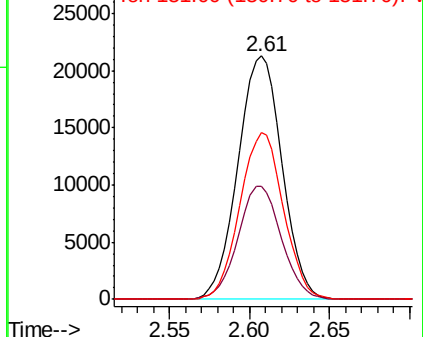
151 67.5 54.0 81.0



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: 4.811 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

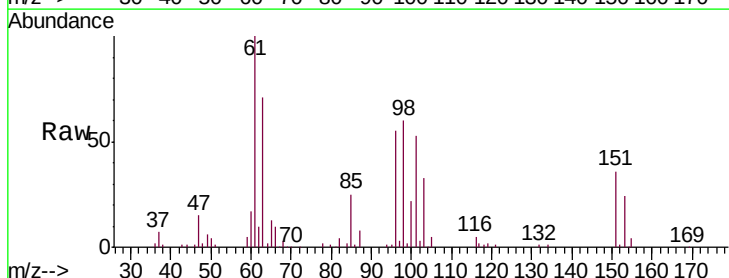
Tgt Ion: 96 Resp: 36173

Ion Ratio Lower Upper

96 100

61 180.6 126.4 234.8

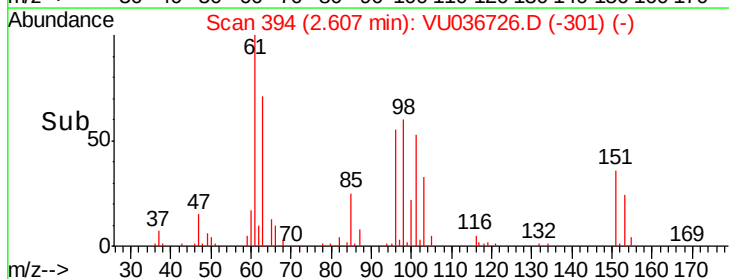
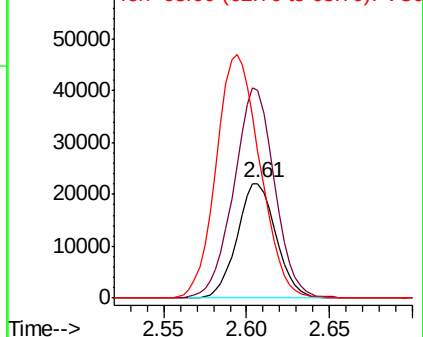
63 127.9 89.5 166.3

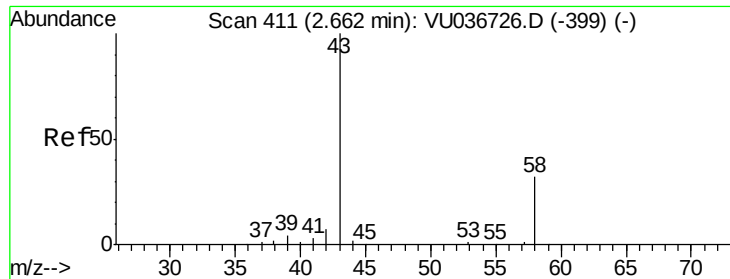


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 78.566 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

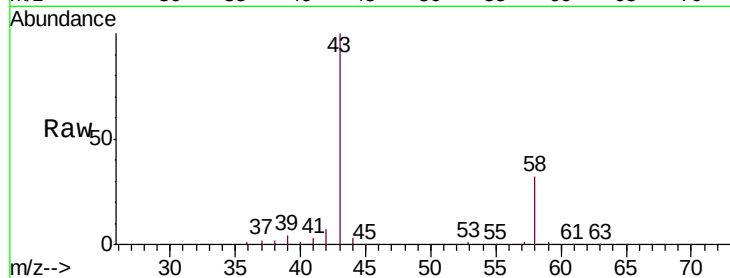
VSTD00506

Tgt Ion: 43 Resp: 140833

Ion Ratio Lower Upper

43 100

58 32.1 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) (-)

2.66

80000

60000

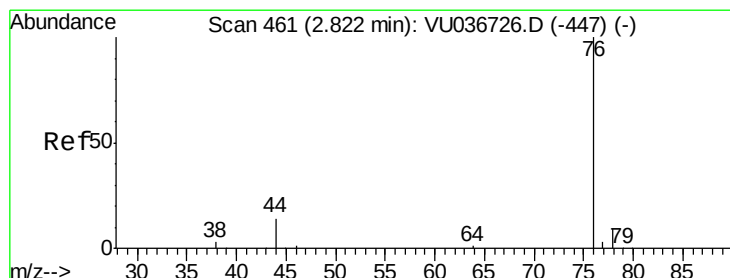
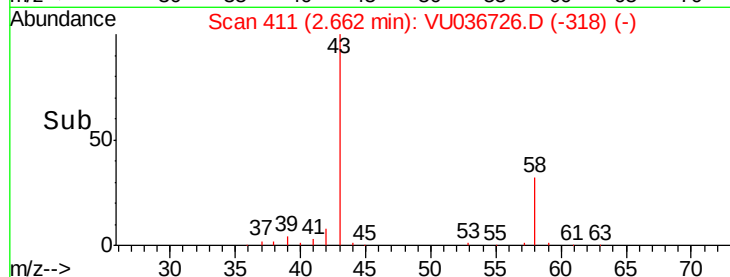
40000

20000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 3.670 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036726.D

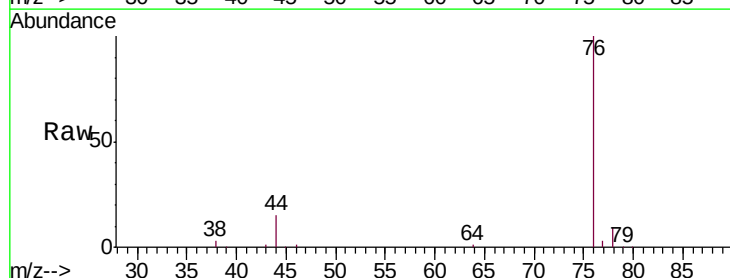
Acq: 11 Feb 2020 16:42

Tgt Ion: 76 Resp: 85837

Ion Ratio Lower Upper

76 100

78 9.0 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) (-)

2.82

60000

50000

40000

30000

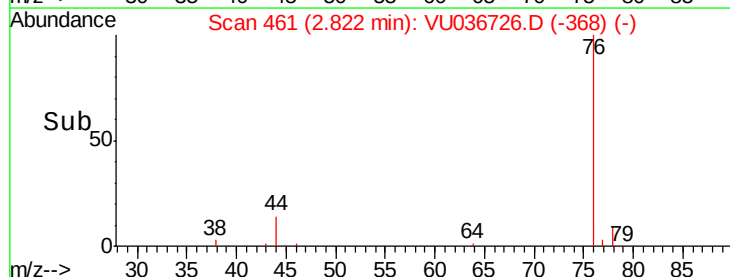
20000

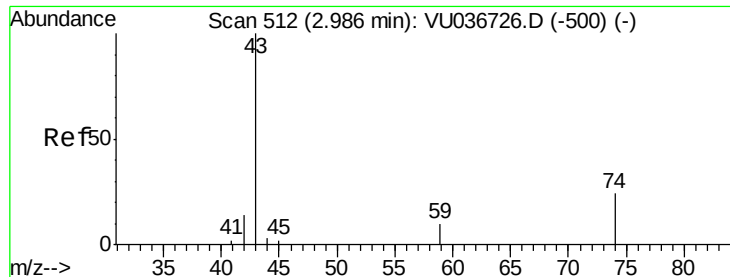
10000

0

Time-->

2.80 2.90

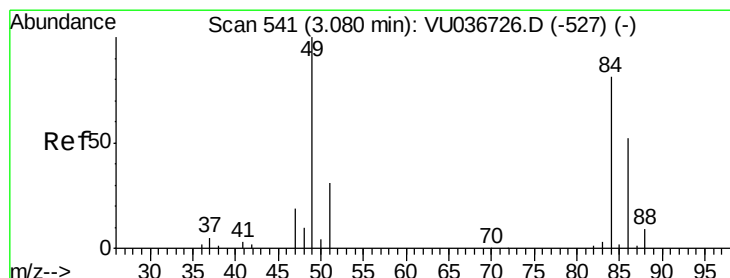
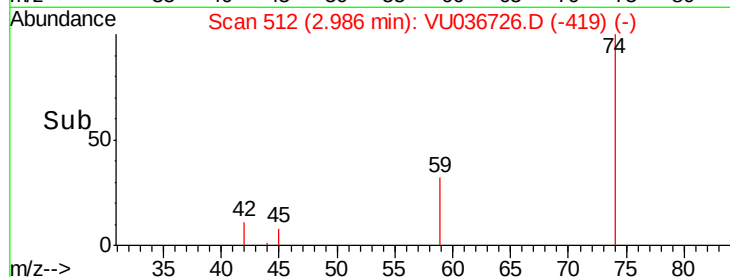
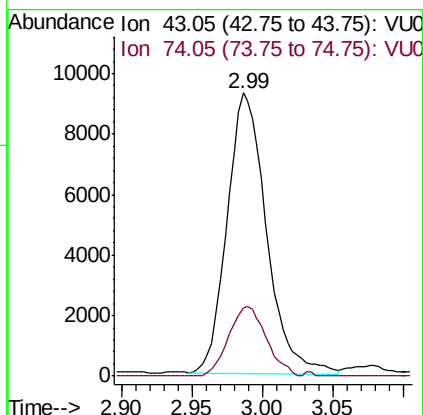
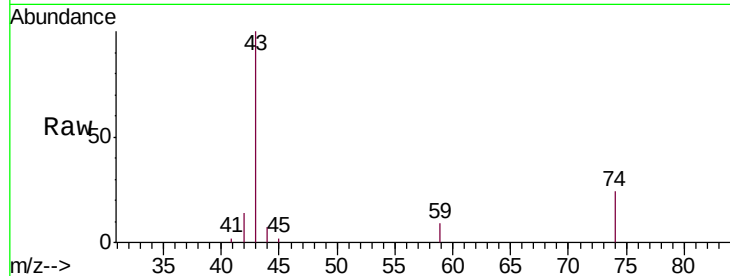




#15
Methyl Acetate
Concen: 5.380 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU036726.D
Acq: 11 Feb 2020 16:42

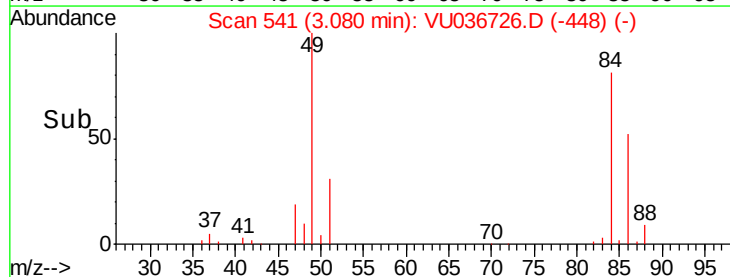
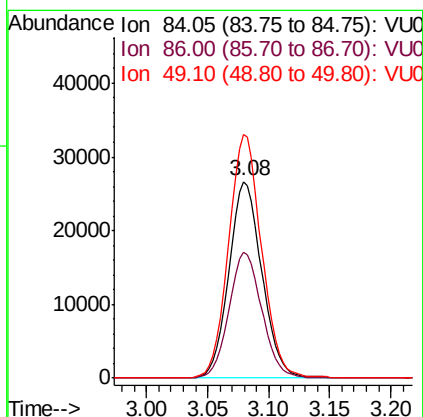
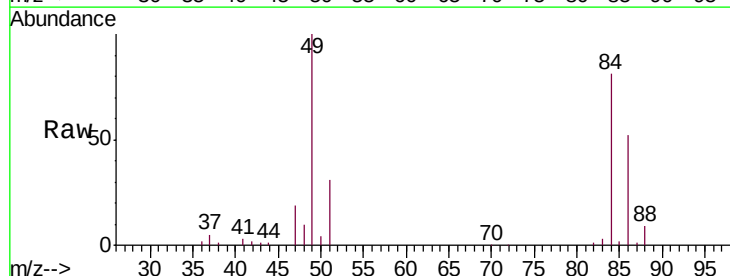
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

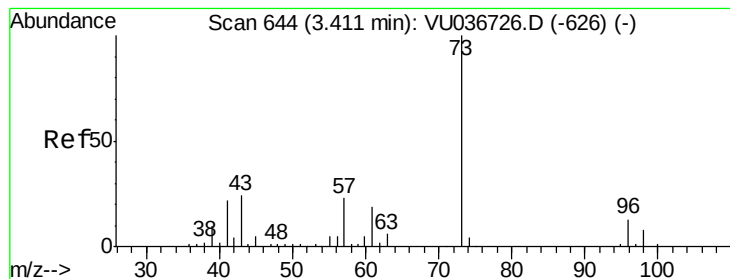
Tgt Ion: 43 Resp: 18150
Ion Ratio Lower Upper
43 100
74 23.7 19.0 28.4



#16
Methylene chloride
Concen: 5.081 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036726.D
Acq: 11 Feb 2020 16:42

Tgt Ion: 84 Resp: 50180
Ion Ratio Lower Upper
84 100
86 63.8 44.7 82.9
49 123.8 86.7 160.9





#17

Methyl tert-butyl Ether

Concen: 5.000 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

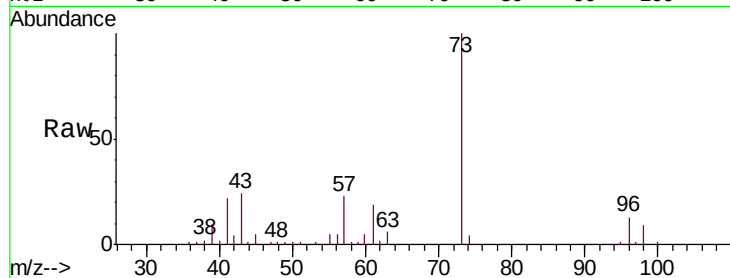
Tgt Ion: 73 Resp: 109778

Ion Ratio Lower Upper

73 100

43 23.4 18.7 28.1

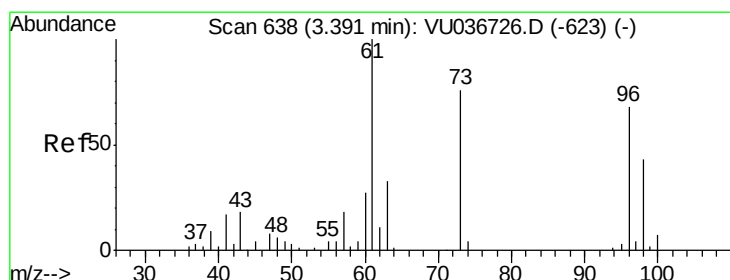
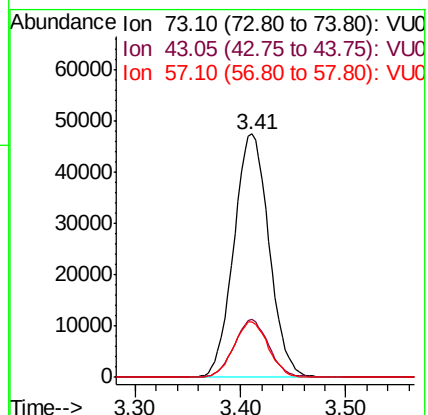
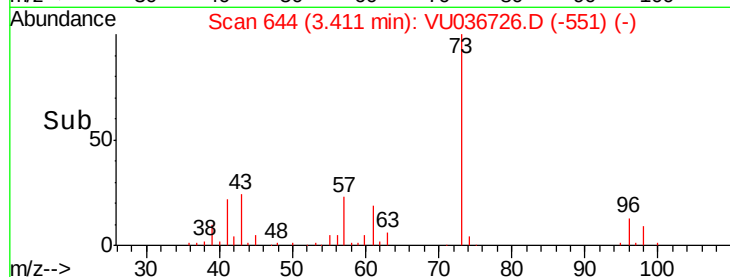
57 22.4 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU036726.D (-626) (-)

Ion 43.05 (42.75 to 43.75): VU036726.D (-626) (-)

Ion 57.10 (56.80 to 57.80): VU036726.D (-626) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.604 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

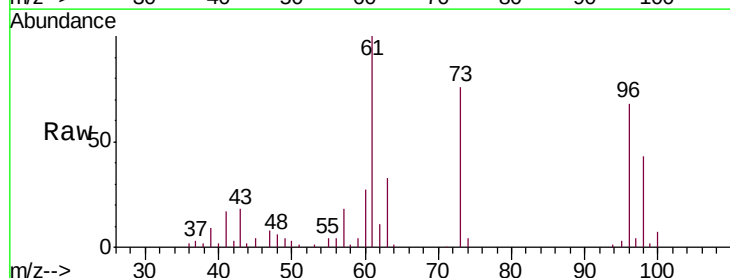
Tgt Ion: 96 Resp: 38206

Ion Ratio Lower Upper

96 100

61 146.5 102.6 190.5

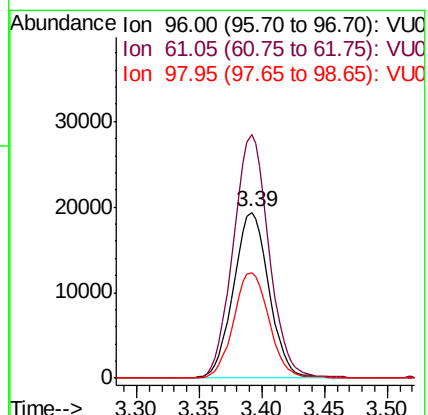
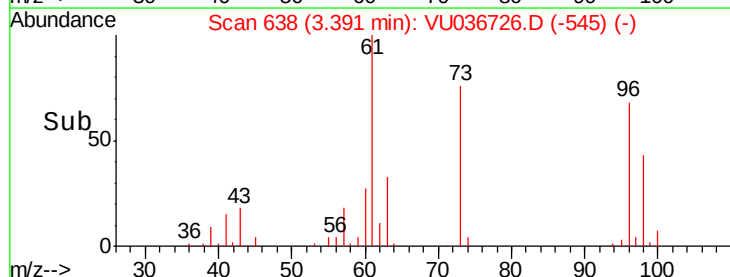
98 63.6 44.5 82.7

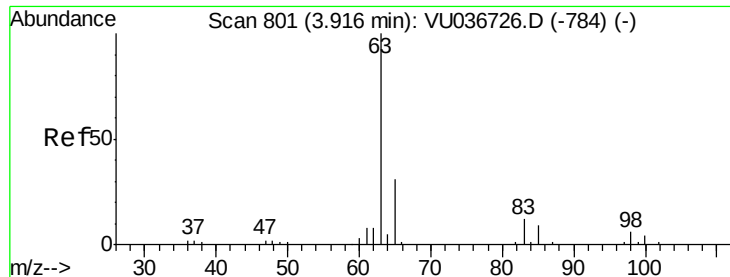


Abundance Ion 96.00 (95.70 to 96.70): VU036726.D (-623) (-)

Ion 61.05 (60.75 to 61.75): VU036726.D (-623) (-)

Ion 97.95 (97.65 to 98.65): VU036726.D (-623) (-)

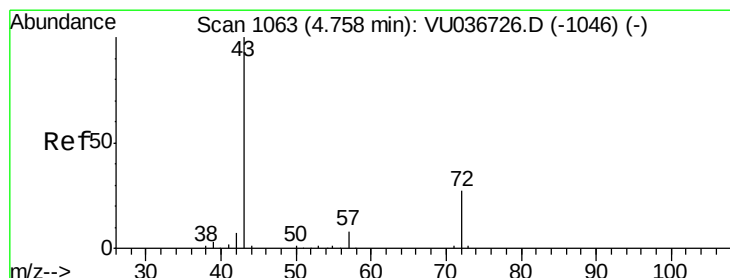
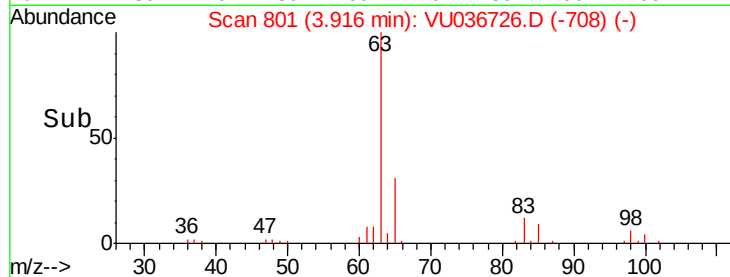
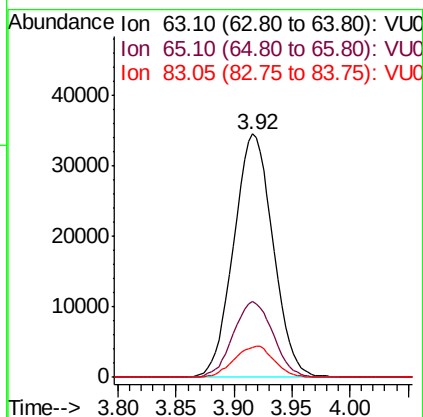
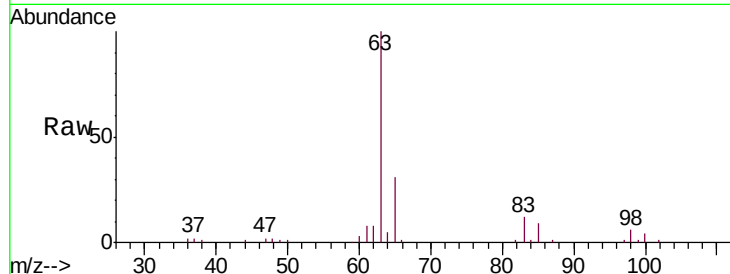




#19
 1,1-Dichloroethane
 Concen: 5.247 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

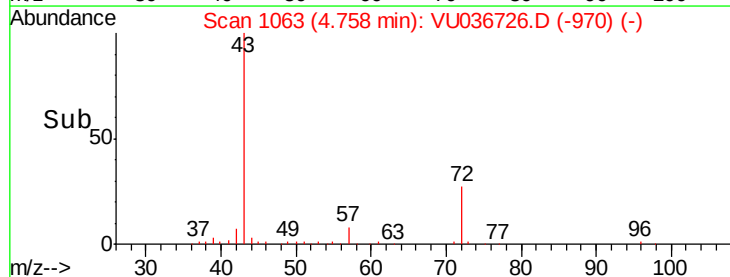
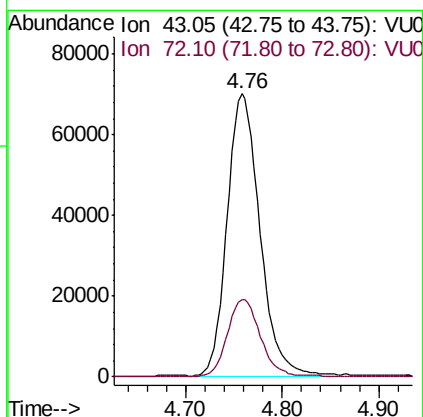
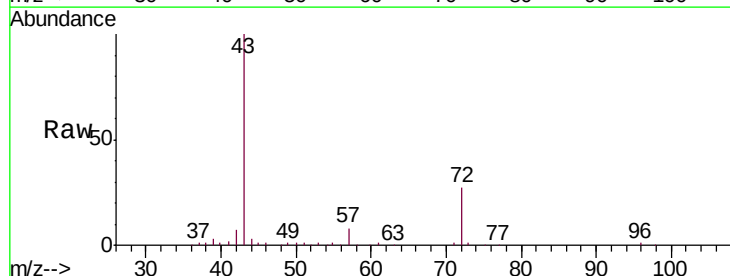
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

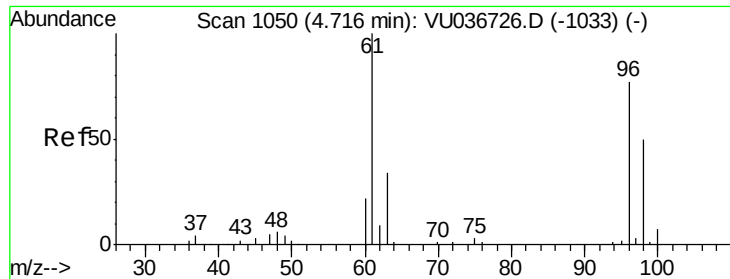
Tgt Ion: 63 Resp: 81449
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.6 40.2
 83 12.5 8.8 16.3



#21
 2-Butanone
 Concen: 62.530 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

Tgt Ion: 43 Resp: 163842
 Ion Ratio Lower Upper
 43 100
 72 27.9 14.0 41.9





#22

cis-1,2-Dichloroethene

Concen: 4.816 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

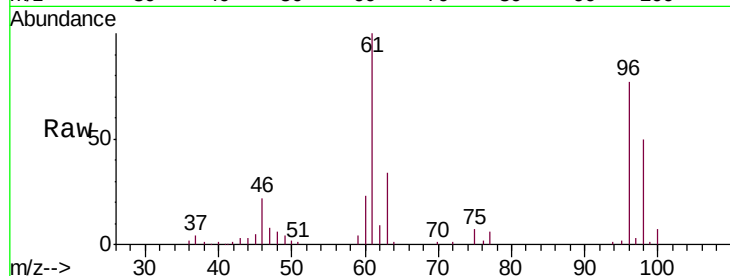
Tgt Ion: 96 Resp: 45933

Ion Ratio Lower Upper

96 100

61 130.3 91.2 169.4

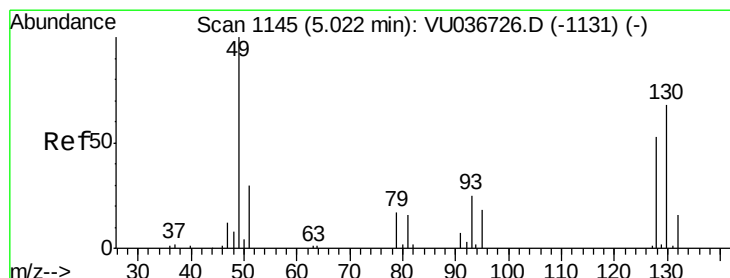
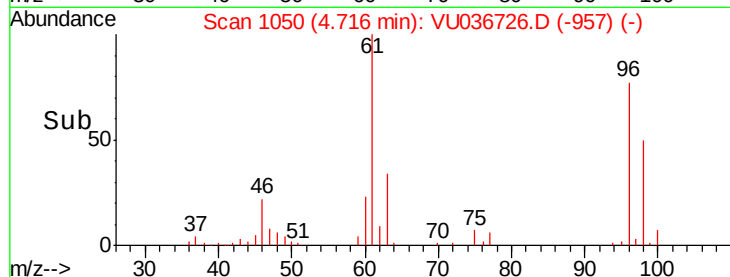
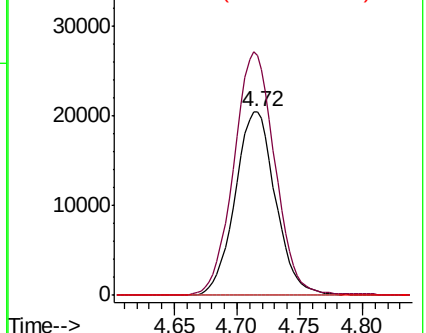
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.789 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Tgt Ion: 128 Resp: 18773

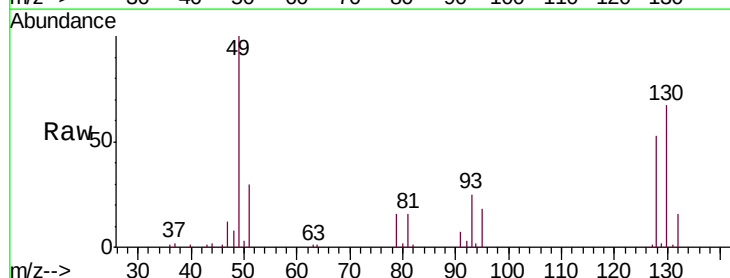
Ion Ratio Lower Upper

128 100

49 189.1 132.4 245.8

130 127.1 89.0 165.2

51 57.0 45.6 68.4

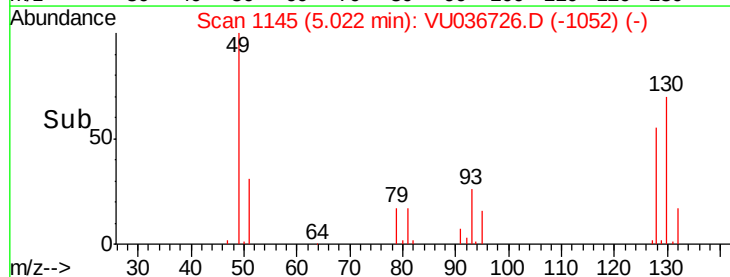
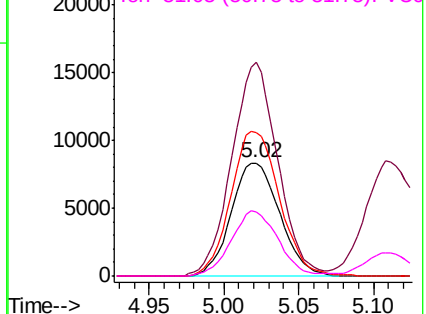


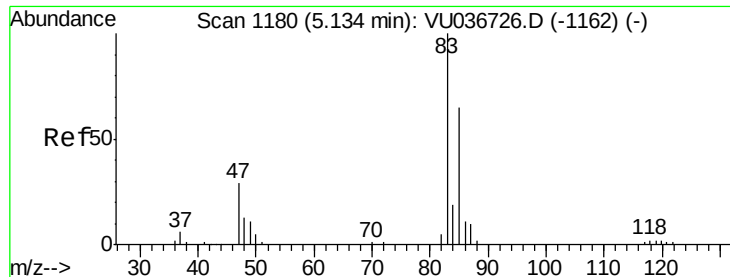
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

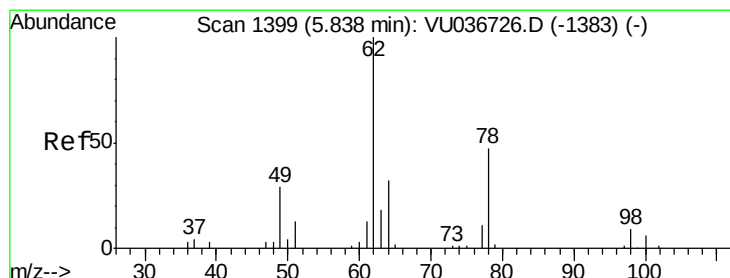
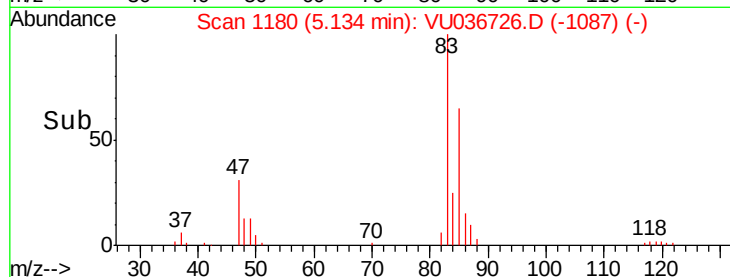
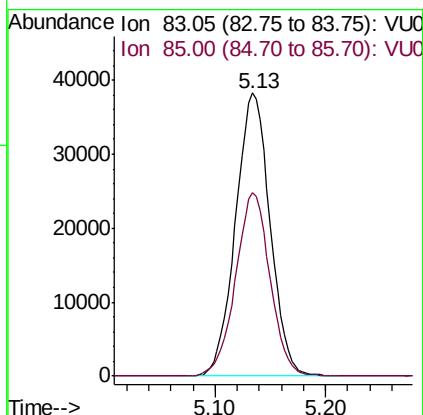
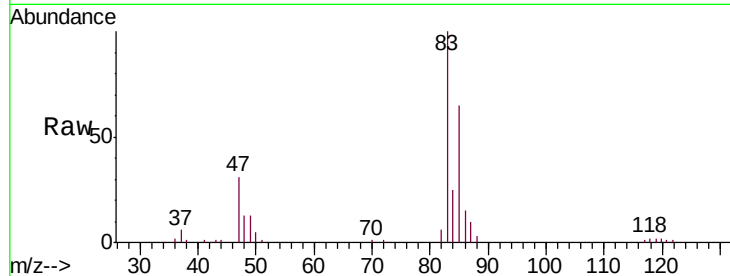




#25
Chloroform
Concen: 5.082 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036726.D
Acq: 11 Feb 2020 16:42

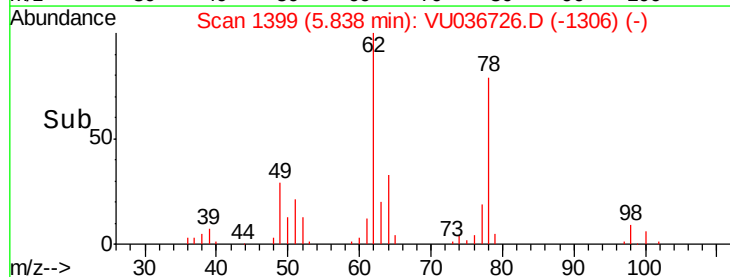
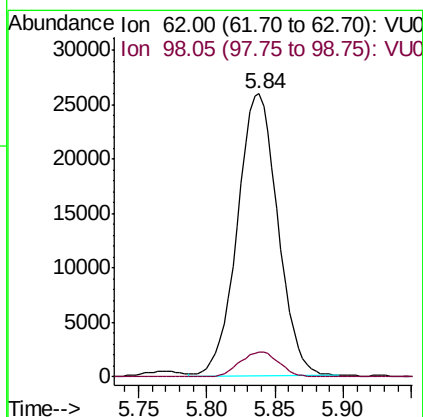
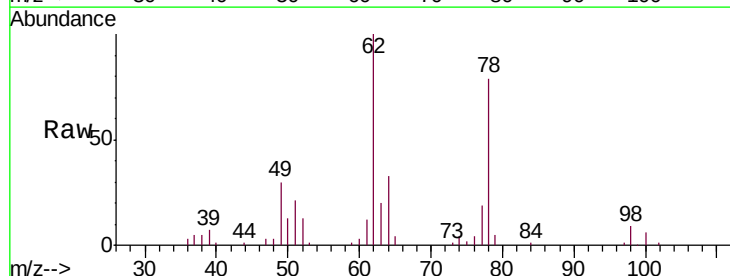
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

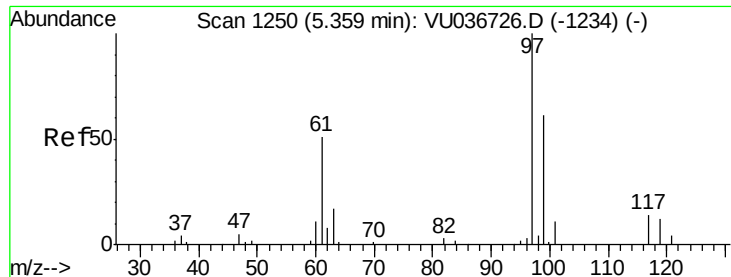
Tgt Ion: 83 Resp: 82876
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.959 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036726.D
Acq: 11 Feb 2020 16:42

Tgt Ion: 62 Resp: 53150
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

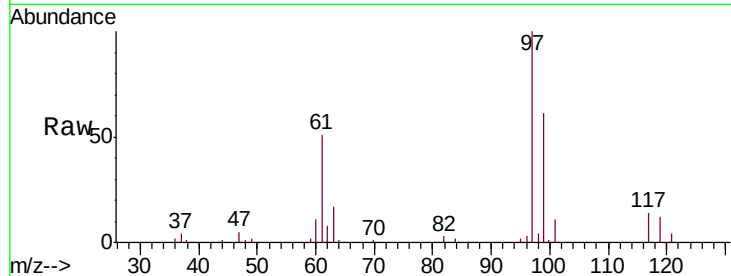




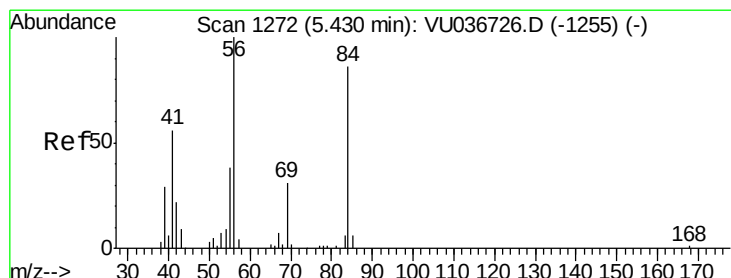
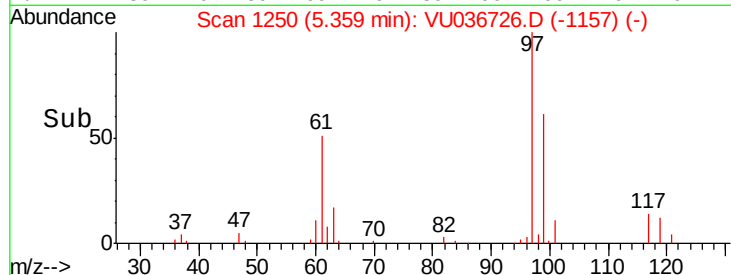
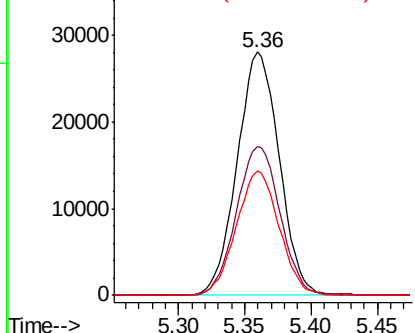
#29
 1,1,1-Trichloroethane
 Concen: 4.405 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00506

Tgt Ion: 97 Resp: 61916
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.0 76.4
 61 52.0 41.6 62.4

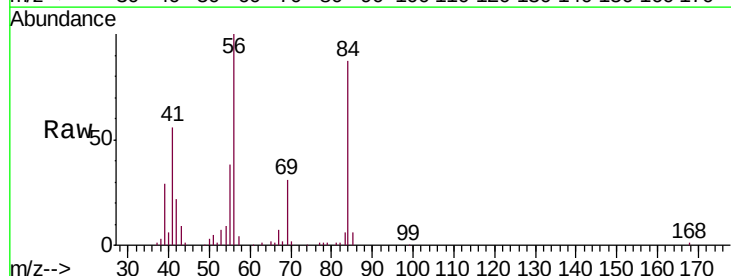


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

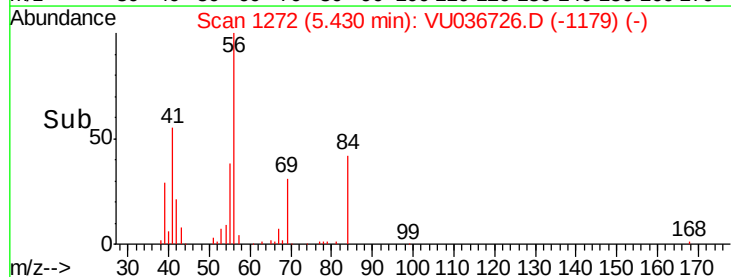
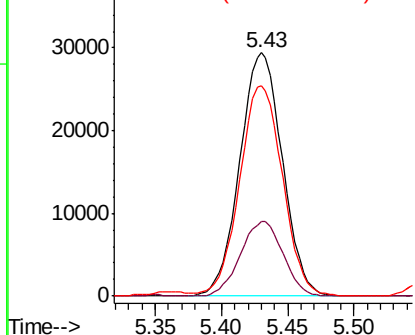


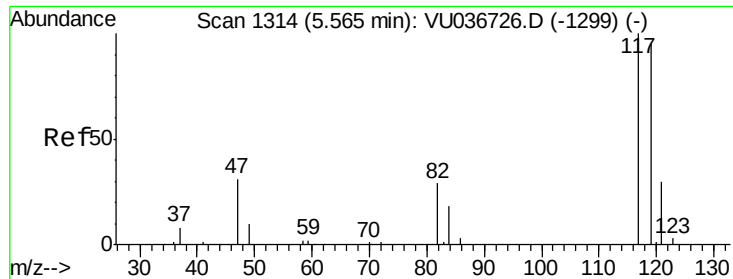
#30
 Cyclohexane
 Concen: 4.645 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

Tgt Ion: 56 Resp: 65739
 Ion Ratio Lower Upper
 56 100
 69 30.8 24.6 37.0
 84 87.5 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: 4.253 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

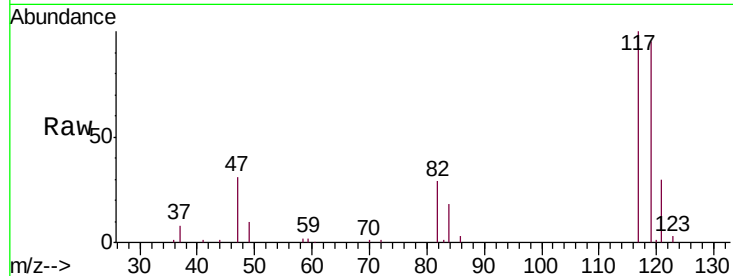
VSTD00506

Tgt Ion:117 Resp: 50484

Ion Ratio Lower Upper

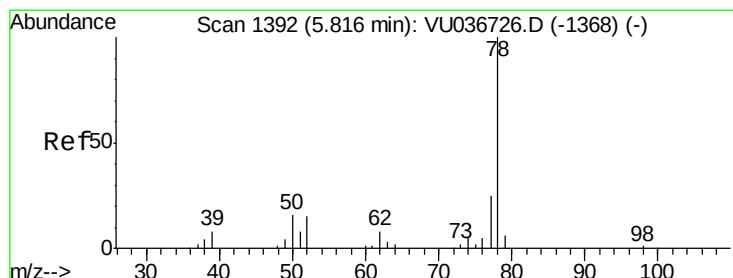
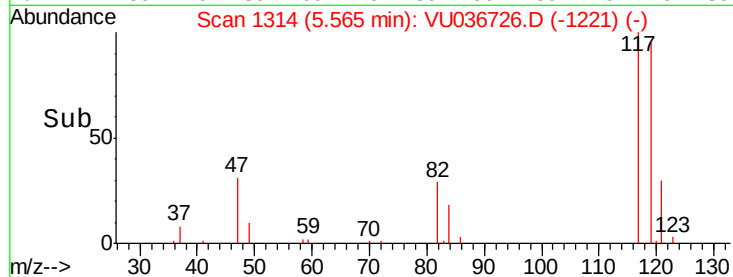
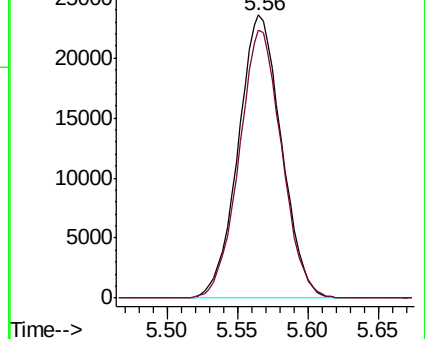
117 100

119 93.1 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.985 ug/L

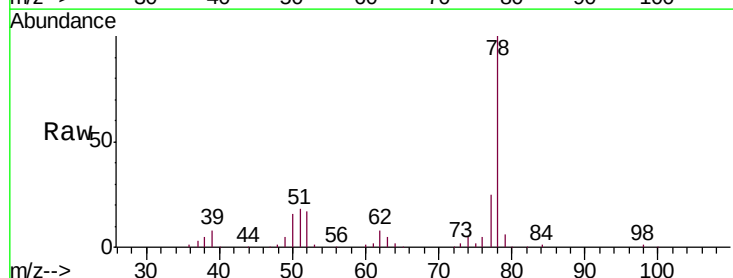
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

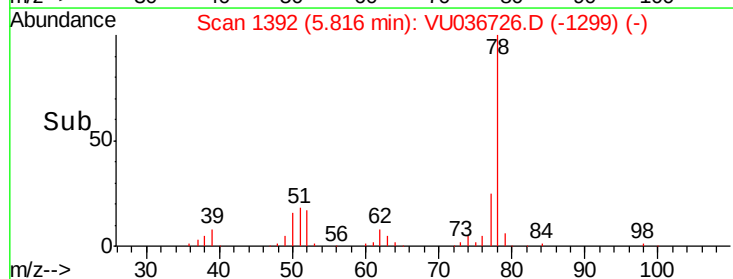
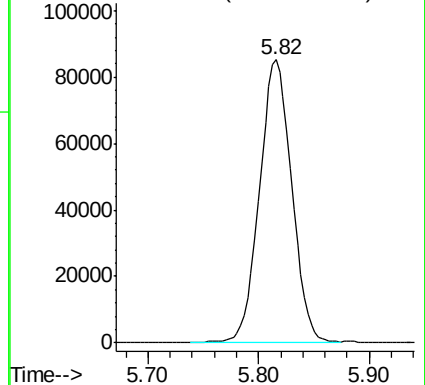
Lab File: VU036726.D

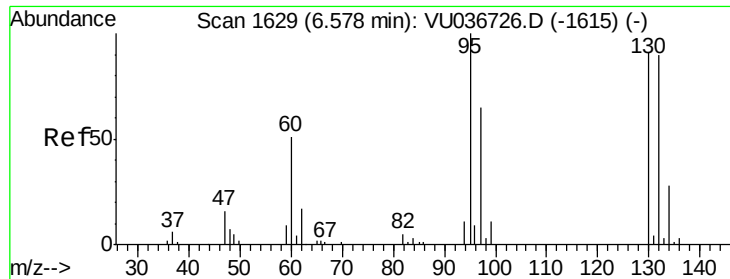
Acq: 11 Feb 2020 16:42

Tgt Ion: 78 Resp: 172885



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.776 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

Tgt Ion: 95 Resp: 43972

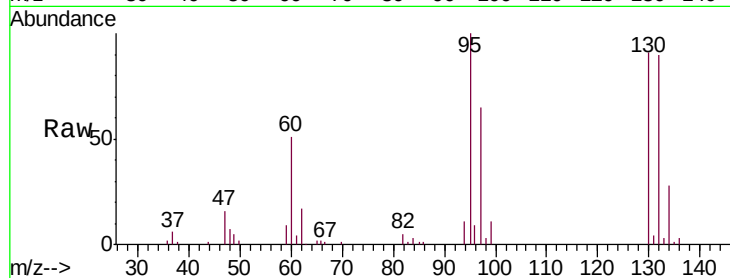
Ion Ratio Lower Upper

95 100

97 65.2 45.6 84.8

132 89.7 62.8 116.6

130 91.1 63.8 118.4

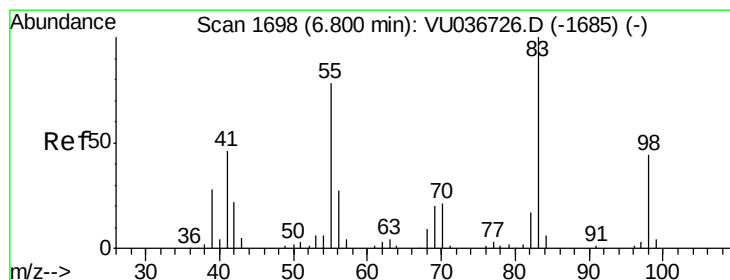
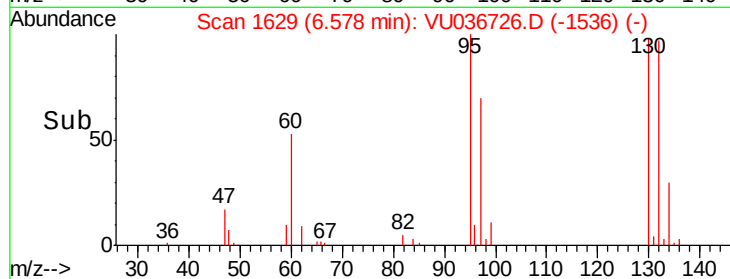
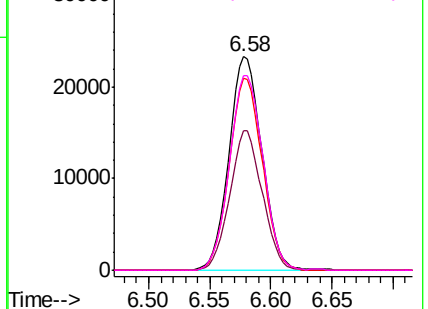


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.897 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

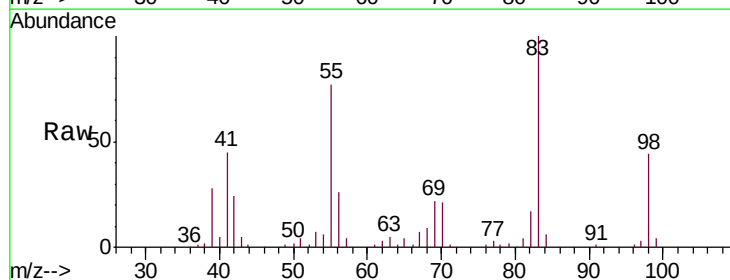
Tgt Ion: 83 Resp: 71505

Ion Ratio Lower Upper

83 100

55 76.2 61.0 91.4

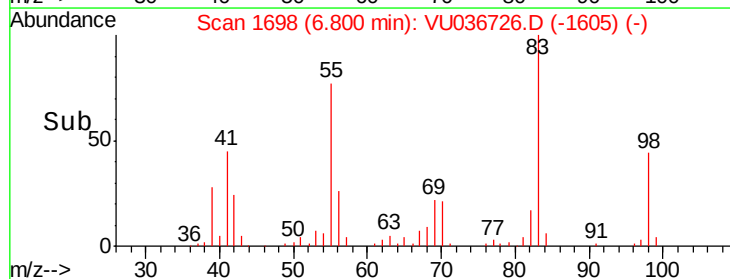
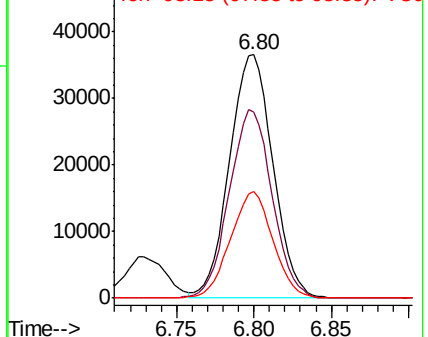
98 42.8 34.2 51.4

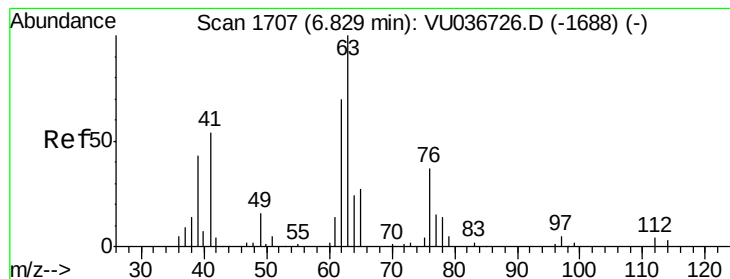


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.328 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

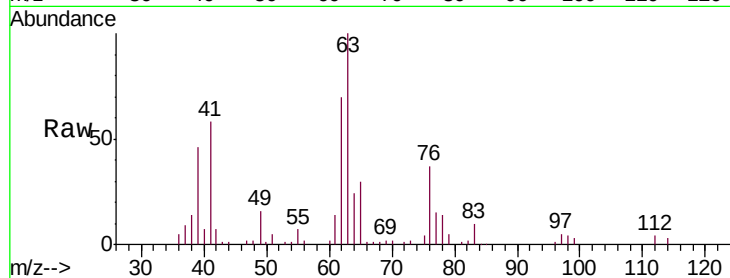
VSTD00506

Tgt Ion: 63 Resp: 48009

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



Abundance Ion 63.10 (62.80 to 63.80): VU036726.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU036726.D (-1688) (-)

6.83

25000

20000

15000

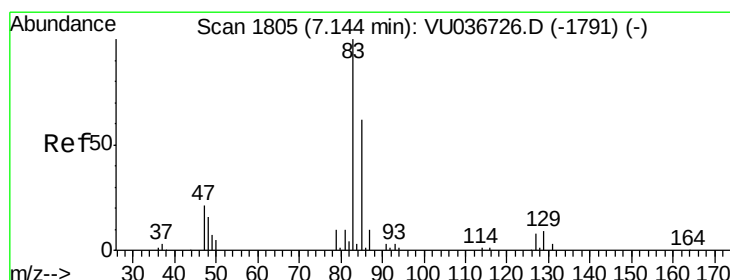
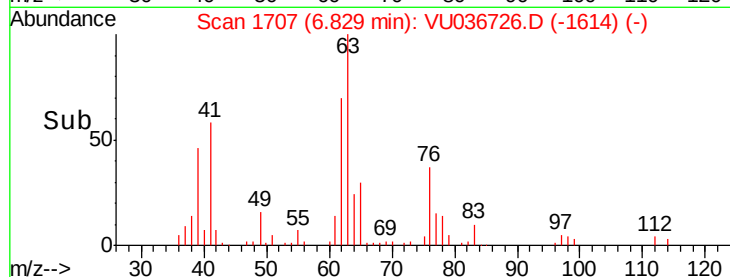
10000

5000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.674 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

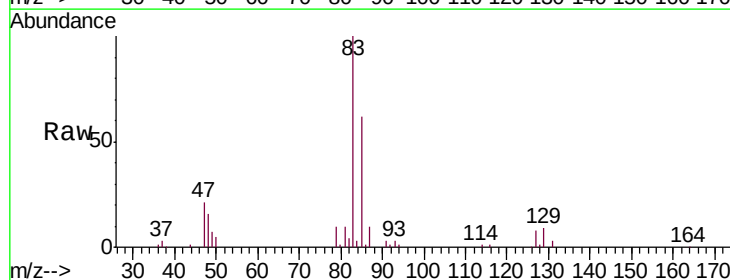
Tgt Ion: 83 Resp: 56726

Ion Ratio Lower Upper

83 100

85 61.5 43.0 80.0

127 7.9 6.3 9.5



Abundance Ion 82.95 (82.65 to 83.65): VU036726.D (-1791) (-)

Ion 85.00 (84.70 to 85.70): VU036726.D (-1791) (-)

Ion 126.90 (126.60 to 127.60): VU036726.D (-1791) (-)

7.14

40000

30000

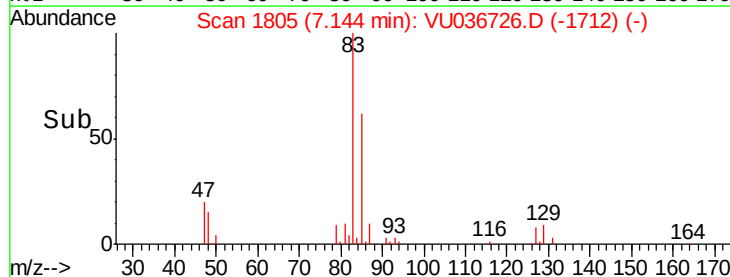
20000

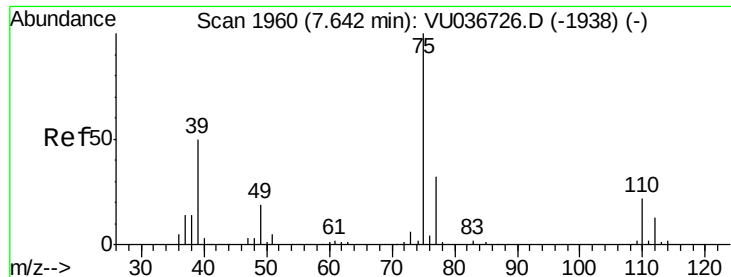
10000

0

7.10 7.15 7.20

Time-->

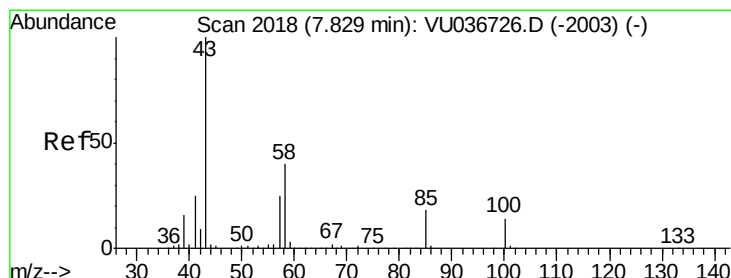
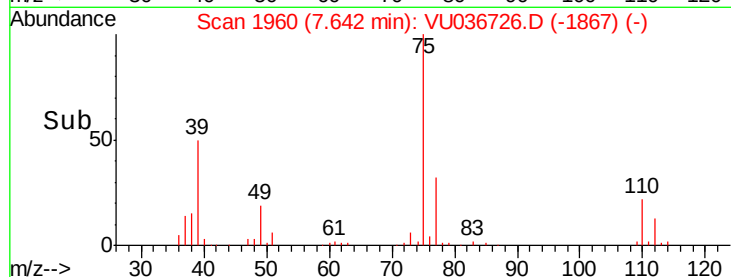
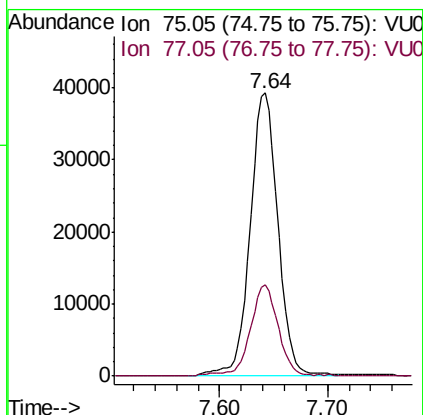
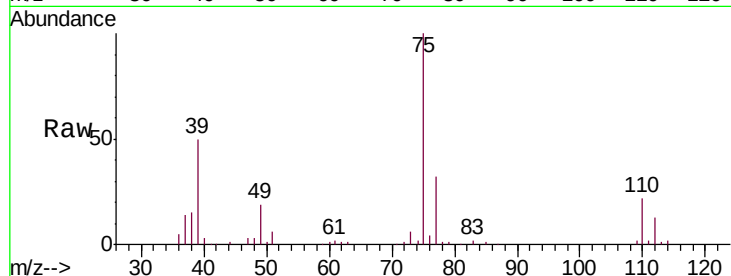




#39
 cis-1,3-Dichloropropene
 Concen: 4.862 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

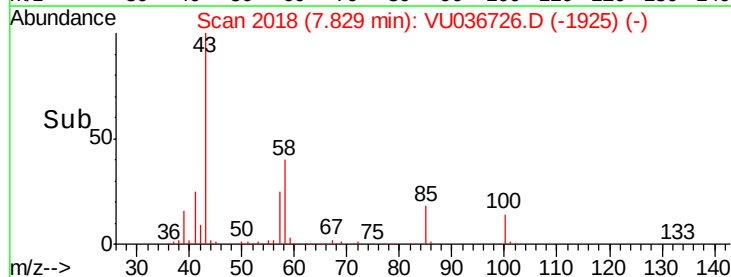
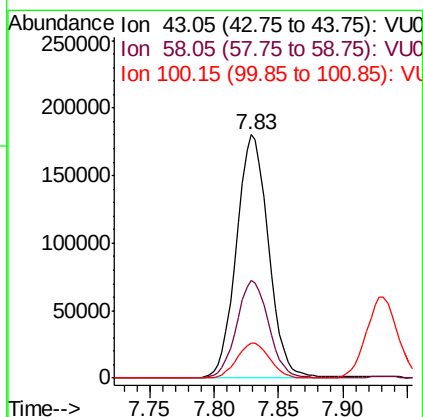
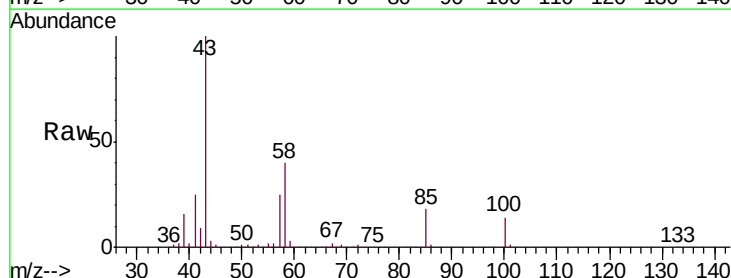
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

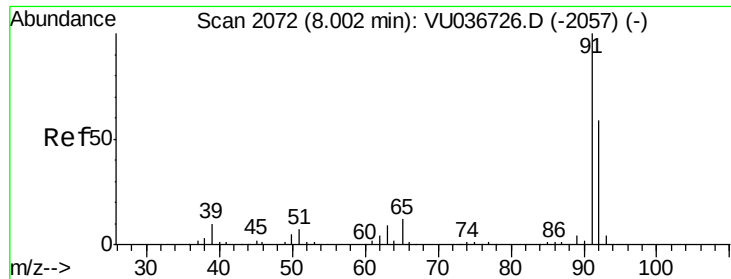
Tgt Ion: 75 Resp: 70482
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 49.740 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

Tgt Ion: 43 Resp: 313006
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.0 48.0
 100 14.8 11.8 17.8





#42

Toluene

Concen: 4.879 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

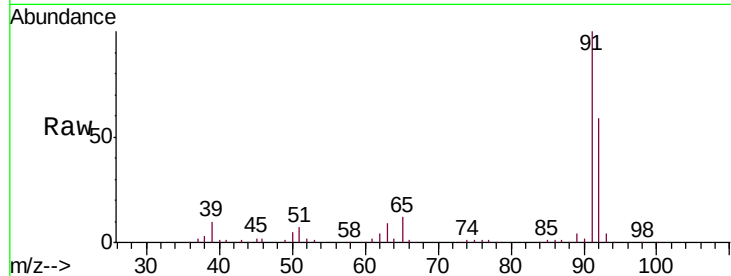
VSTD00506

Tgt Ion: 91 Resp: 186266

Ion Ratio Lower Upper

91 100

92 58.8 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) (-)

8.00

120000

100000

80000

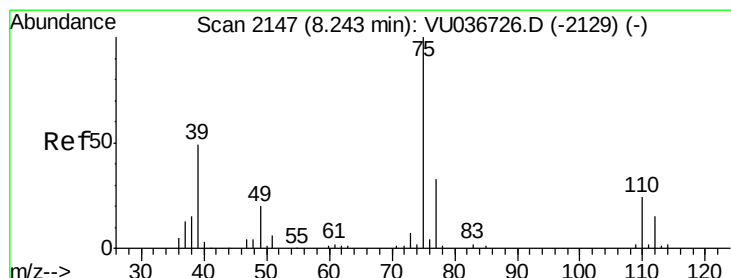
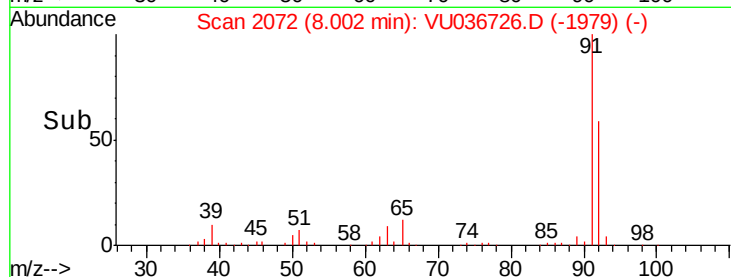
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 4.652 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036726.D

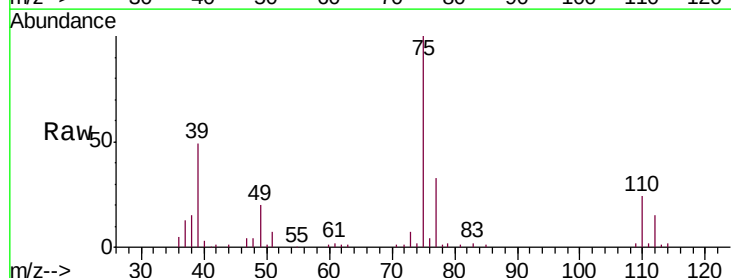
Acq: 11 Feb 2020 16:42

Tgt Ion: 75 Resp: 55118

Ion Ratio Lower Upper

75 100

77 33.0 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) (-)

8.24

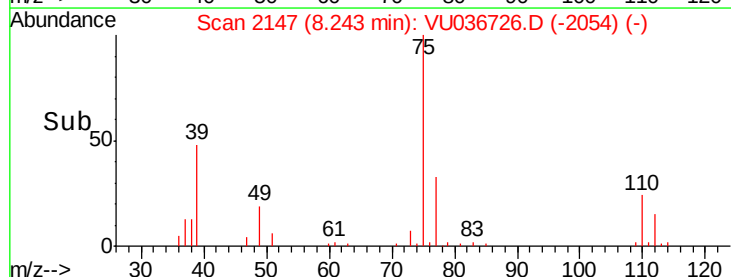
30000

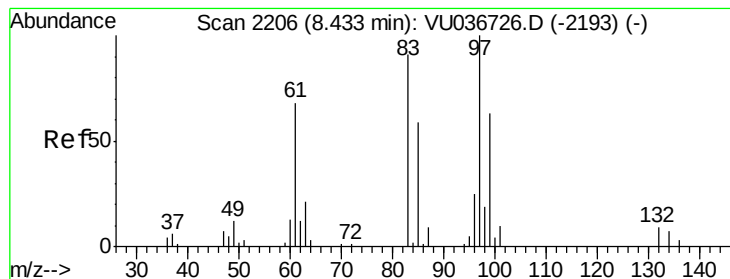
20000

10000

0

Time--> 8.20 8.30





#45

1,1,2-Trichloroethane

Concen: 5.061 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

Tgt Ion: 97 Resp: 33007

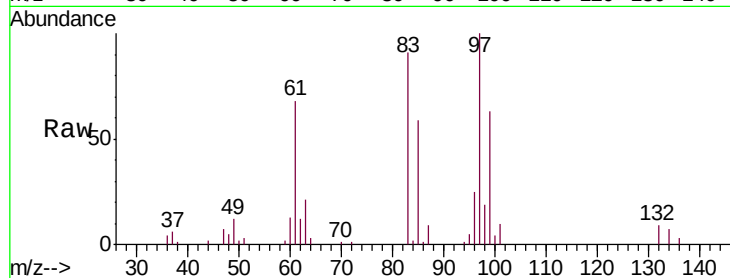
Ion Ratio Lower Upper

97 100

99 63.0 44.1 81.9

83 90.7 63.5 117.9

85 58.8 41.2 76.4

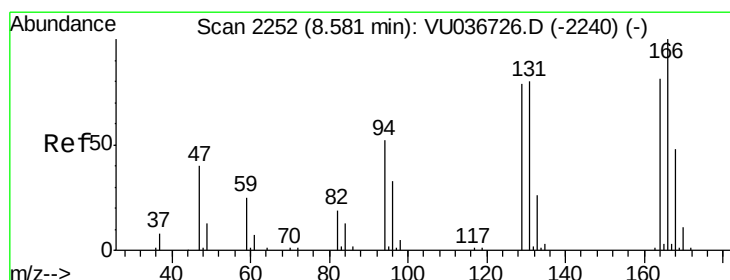
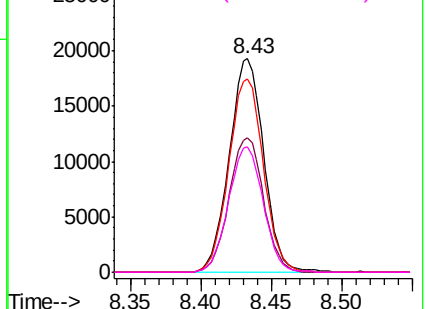
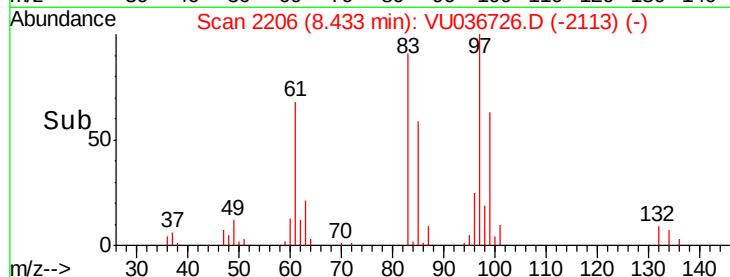


Abundance Ion 96.95 (96.65 to 97.65): VU036726.D (-2193) (-)

Ion 99.05 (98.75 to 99.75): VU036726.D (-2193) (-)

Ion 82.95 (82.65 to 83.65): VU036726.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU036726.D (-2193) (-)



#47

Tetrachloroethene

Concen: 4.616 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Tgt Ion: 164 Resp: 29666

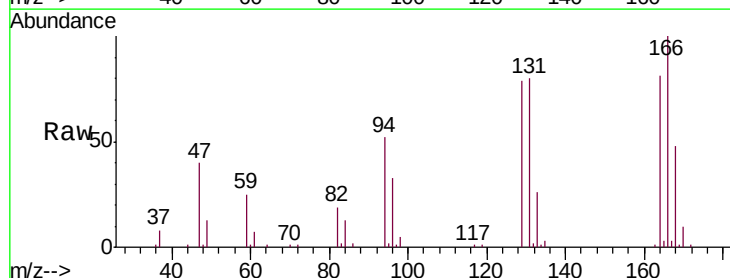
Ion Ratio Lower Upper

164 100

129 97.2 68.0 126.4

131 99.1 69.4 128.8

166 123.7 86.6 160.8

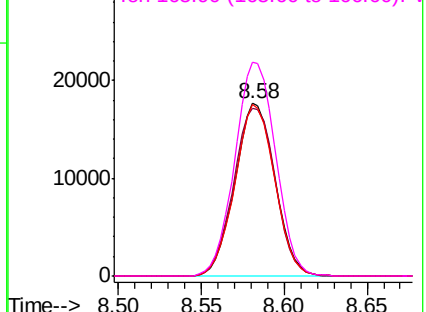
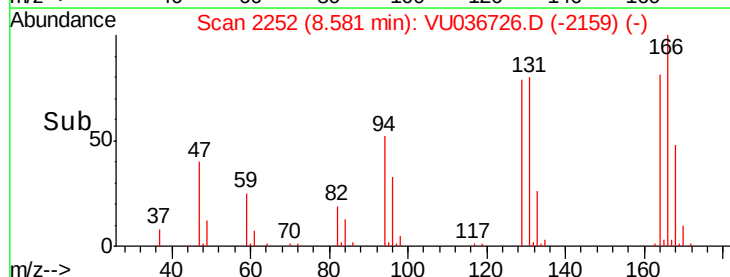


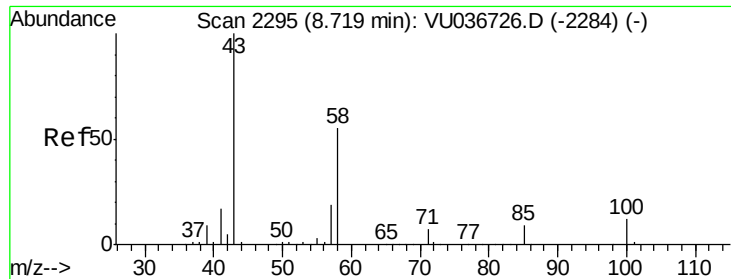
Abundance Ion 163.90 (163.60 to 164.60): VU036726.D (-2240) (-)

Ion 128.95 (128.65 to 129.65): VU036726.D (-2240) (-)

Ion 130.95 (130.65 to 131.65): VU036726.D (-2240) (-)

Ion 165.90 (165.60 to 166.60): VU036726.D (-2240) (-)

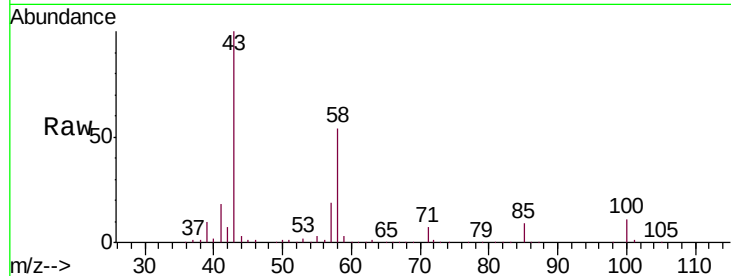




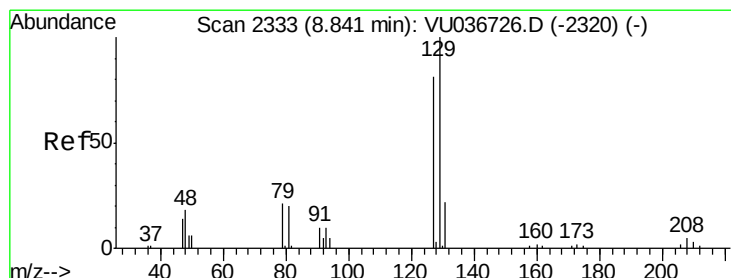
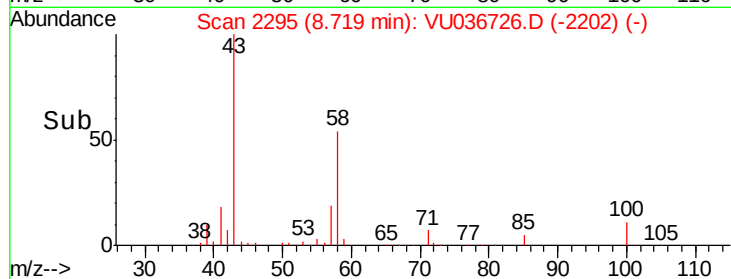
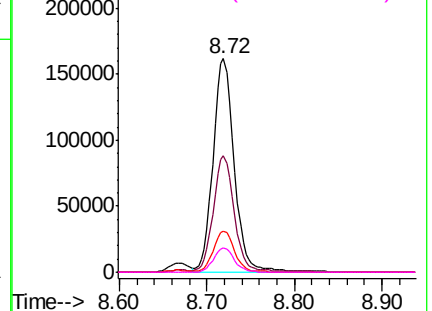
#48
2-Hexanone
Concen: 58.773 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036726.D
Acq: 11 Feb 2020 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Tgt Ion: 43 Resp: 273053
Ion Ratio Lower Upper
43 100
58 54.5 43.6 65.4
57 18.7 15.0 22.4
100 11.3 9.0 13.6

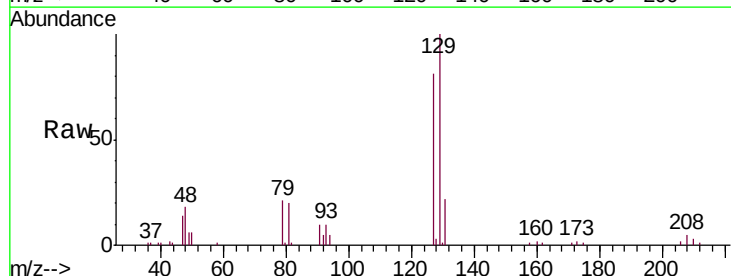


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

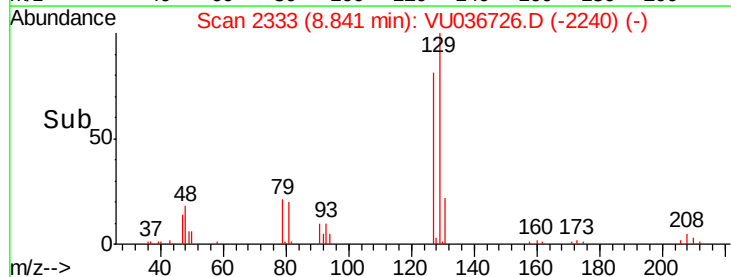
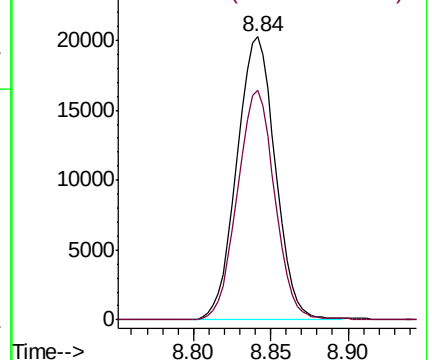


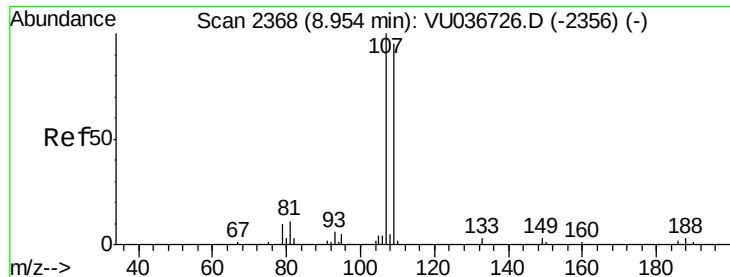
#49
Dibromochloromethane
Concen: 4.215 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036726.D
Acq: 11 Feb 2020 16:42

Tgt Ion: 129 Resp: 35005
Ion Ratio Lower Upper
129 100
127 81.0 56.7 105.3



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

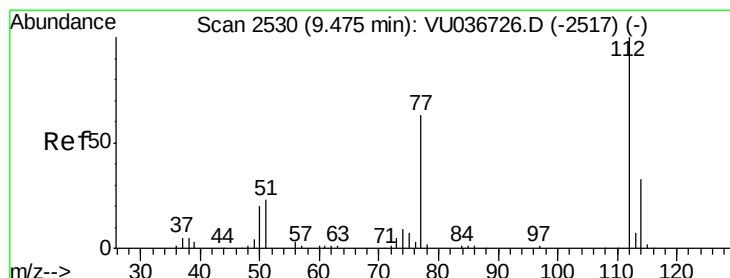
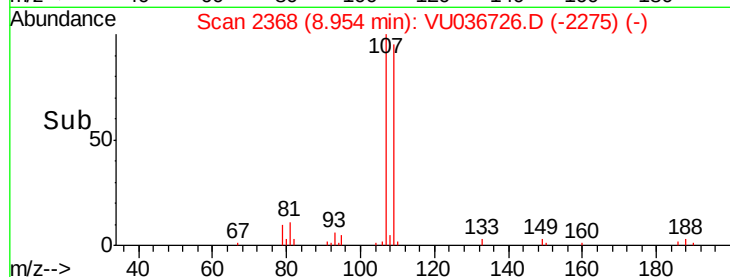
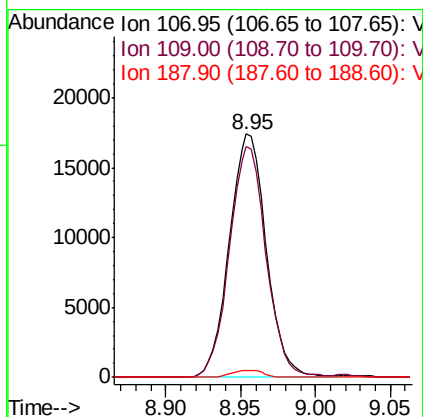
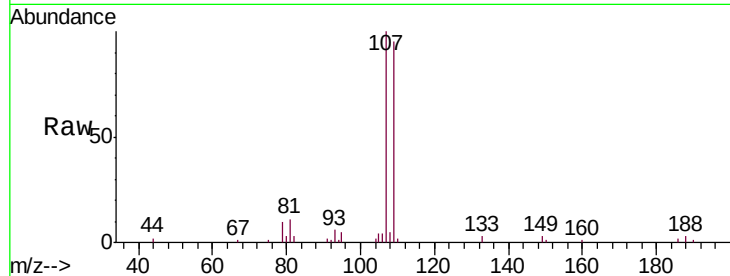




#50
1,2-Dibromoethane
Concen: 4.641 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036726.D
Acq: 11 Feb 2020 16:42

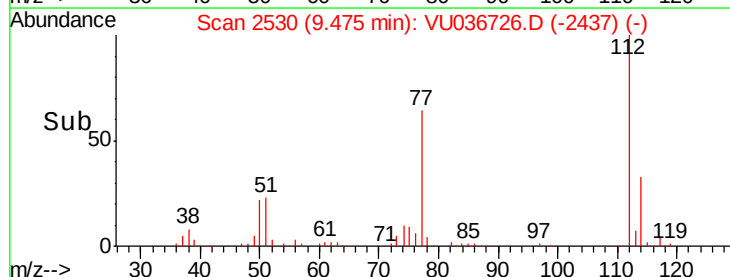
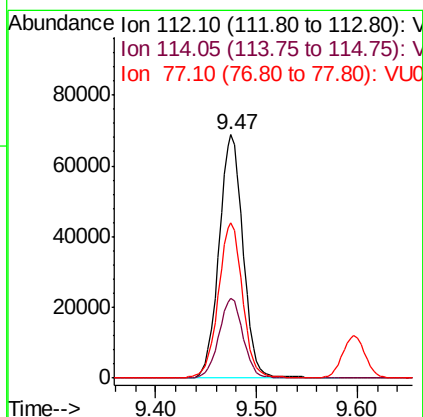
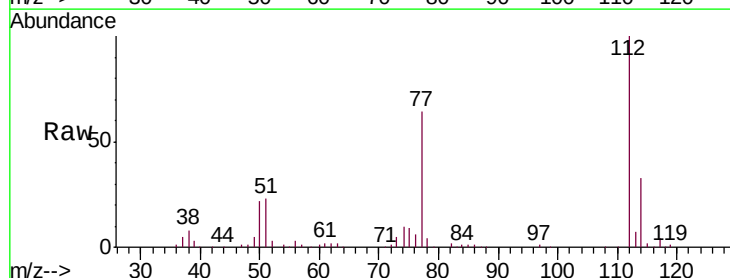
Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

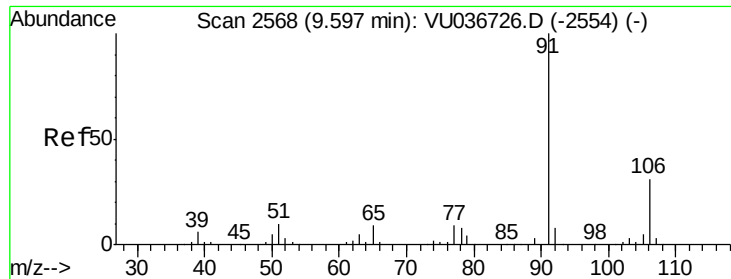
Tgt Ion:107 Resp: 29977
Ion Ratio Lower Upper
107 100
109 94.8 66.4 123.2
188 3.0 2.4 3.6



#51
Chlorobenzene
Concen: 4.834 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036726.D
Acq: 11 Feb 2020 16:42

Tgt Ion:112 Resp: 114375
Ion Ratio Lower Upper
112 100
114 32.7 22.9 42.5
77 63.7 51.0 76.4





#52

Ethylbenzene

Concen: 4.932 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

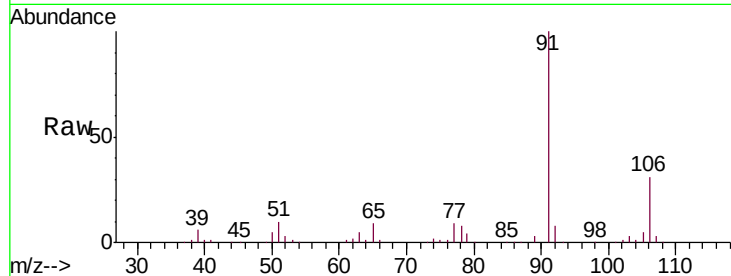
VSTD00506

Tgt Ion: 91 Resp: 208099

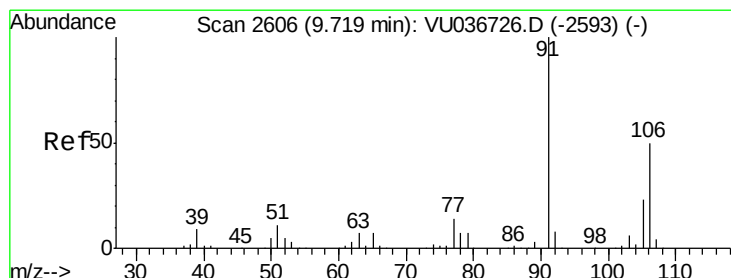
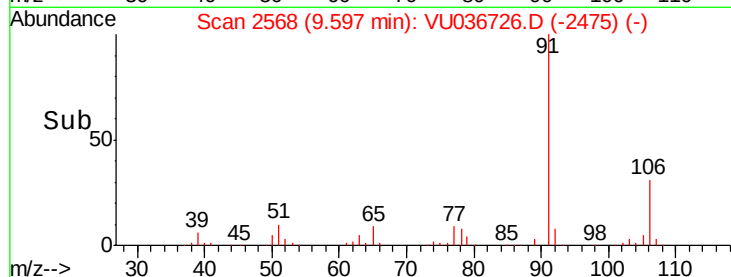
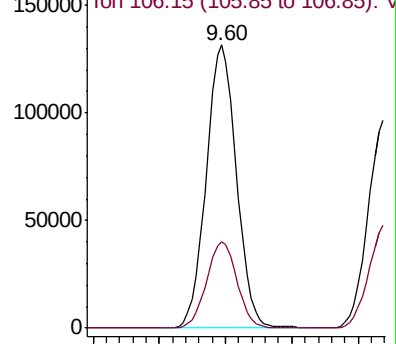
Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036726.D (-2554) (-)



#53

m,p-Xylene

Concen: 4.818 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036726.D

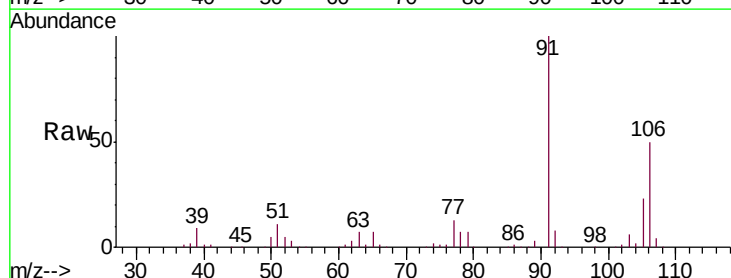
Acq: 11 Feb 2020 16:42

Tgt Ion: 106 Resp: 77967

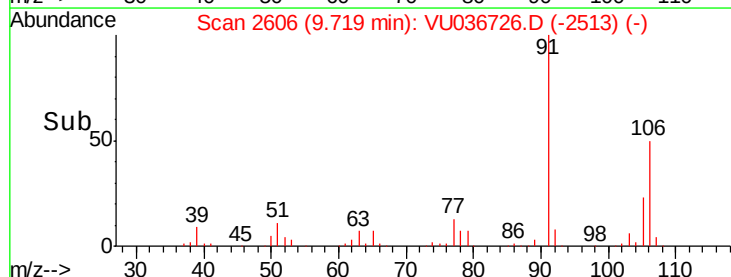
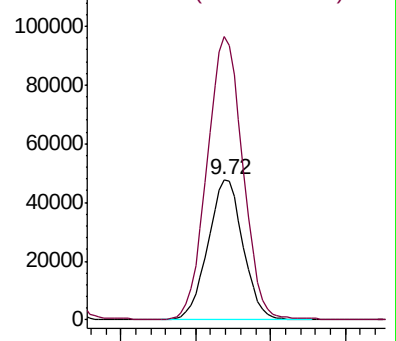
Ion Ratio Lower Upper

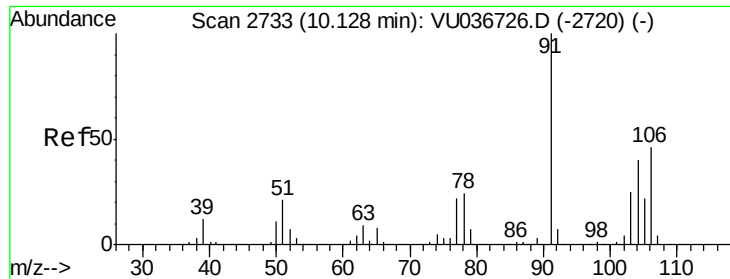
106 100

91 201.5 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036726.D (-2593) (-)

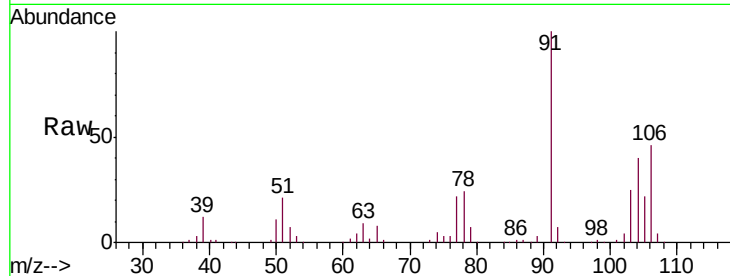




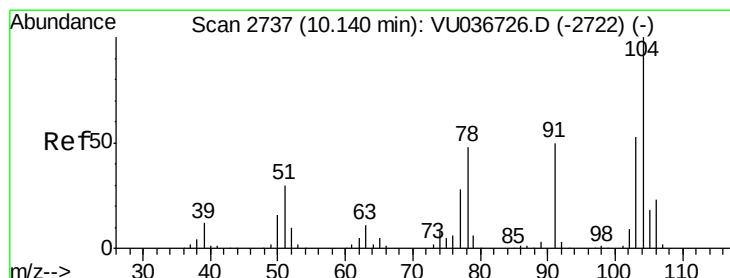
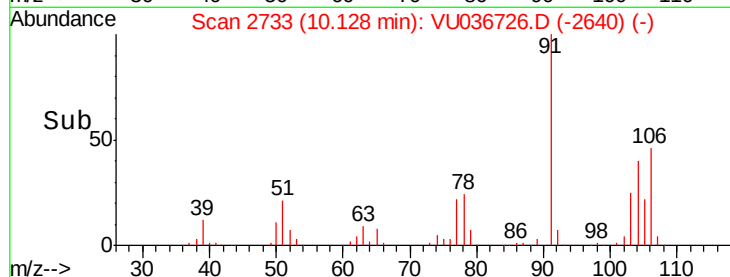
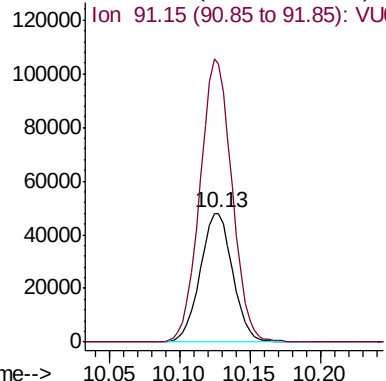
#54
o-Xylene
Concen: 4.899 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036726.D
Acq: 11 Feb 2020 16:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00506

Tgt Ion:106 Resp: 77217
Ion Ratio Lower Upper
106 100
91 215.8 151.1 280.5

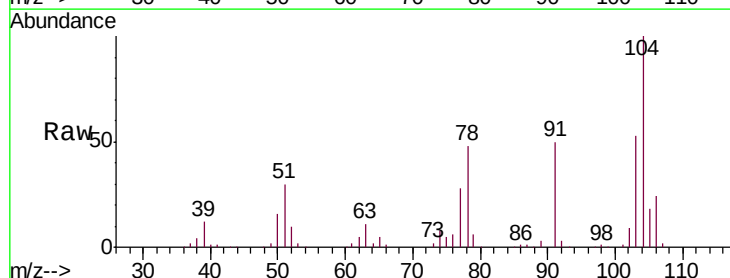


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

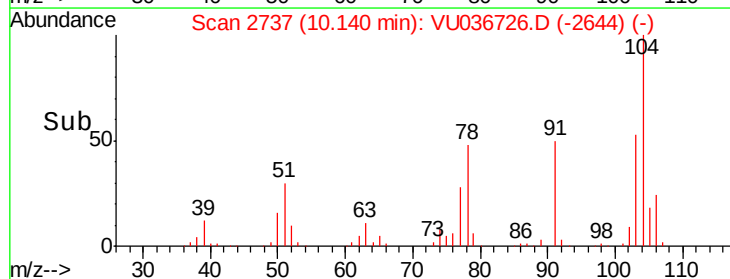
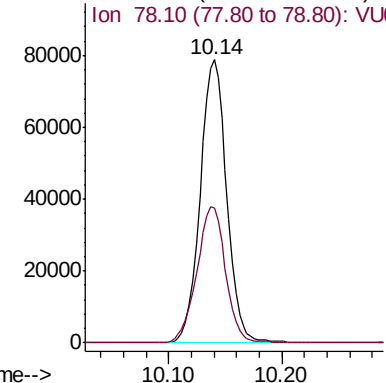


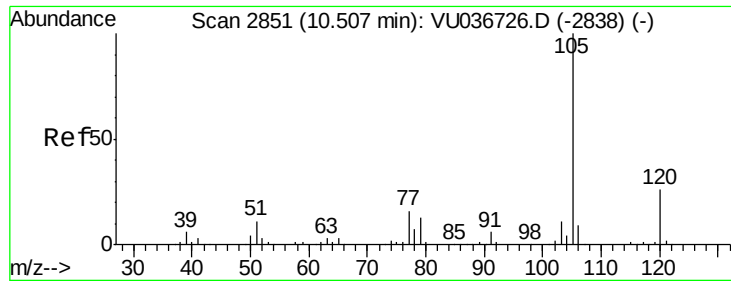
#55
Styrene
Concen: 4.807 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036726.D
Acq: 11 Feb 2020 16:42

Tgt Ion:104 Resp: 128342
Ion Ratio Lower Upper
104 100
78 47.9 33.5 62.3



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





#56

Isopropylbenzene

Concen: 4.881 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

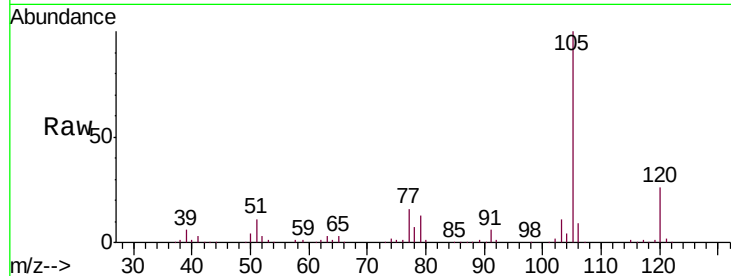
Tgt Ion: 105 Resp: 203856

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

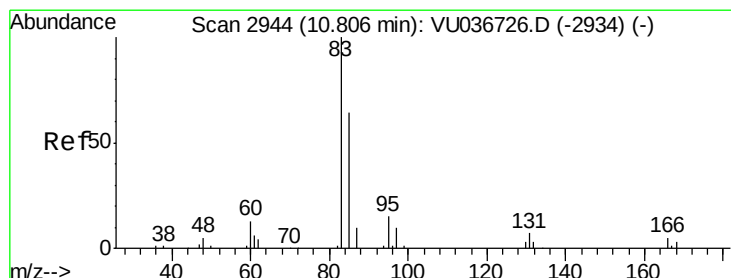
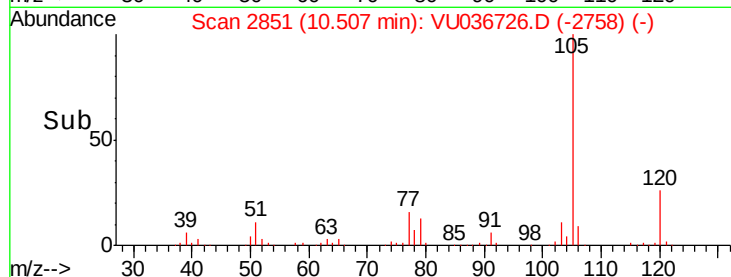
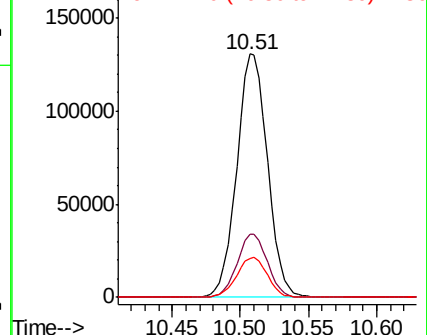
77 16.3 13.0 19.6



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: 4.947 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

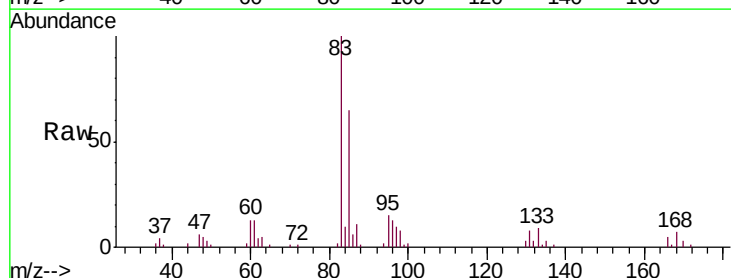
Tgt Ion: 83 Resp: 43423

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6

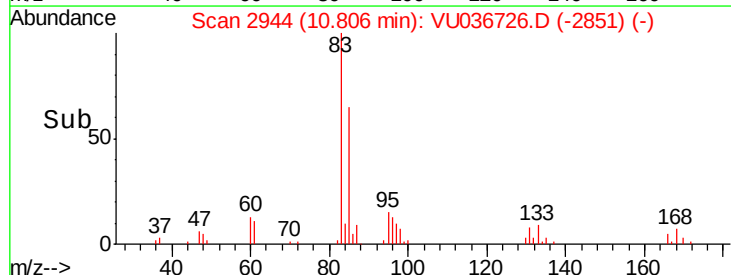
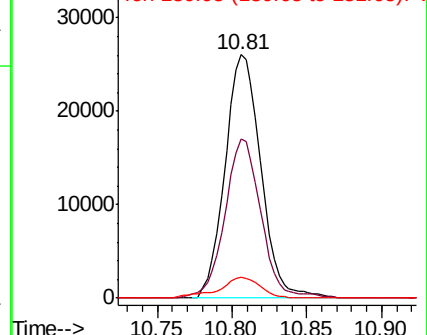
131 8.5 6.8 10.2

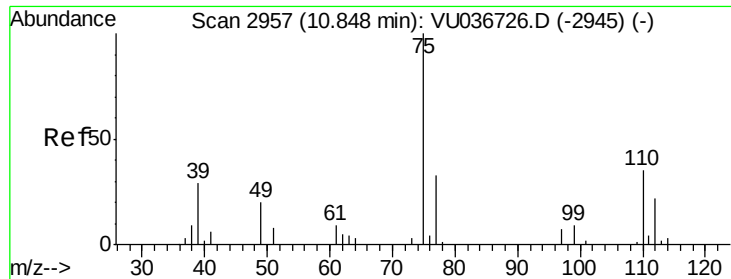


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.064 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

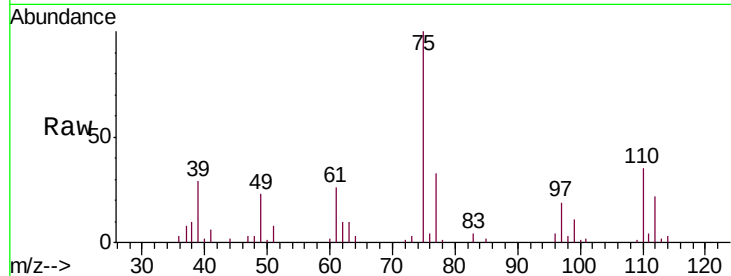
VSTD00506

Tgt Ion: 75 Resp: 31441

Ion Ratio Lower Upper

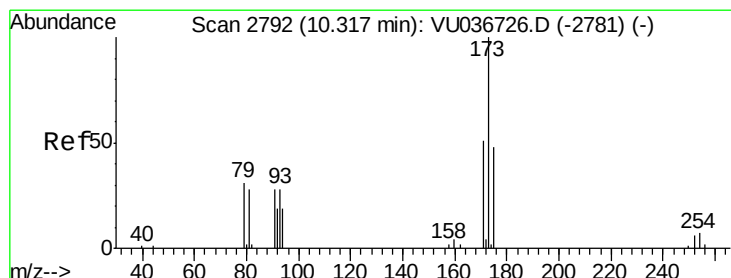
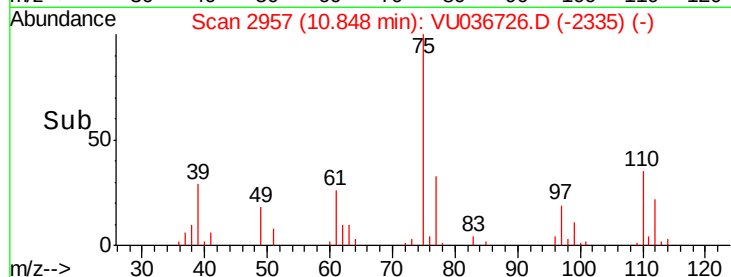
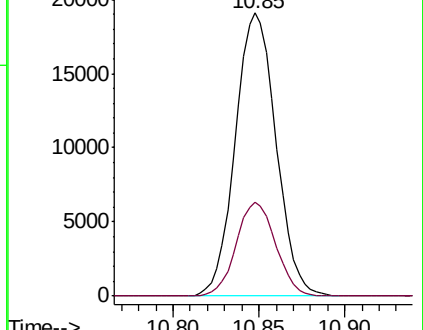
75 100

77 32.0 25.6 38.4



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

Ion 77.00 (76.70 to 77.70): VU036726.D (-2945) (-)



#61

Bromoform

Concen: 3.991 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

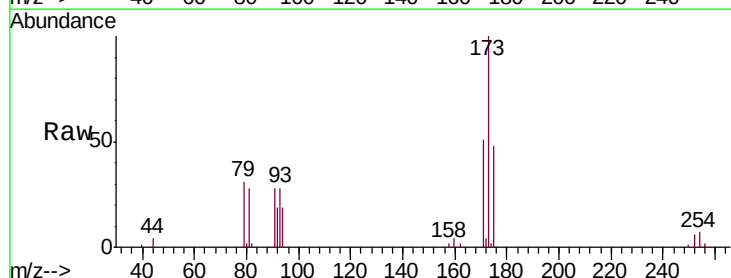
Tgt Ion: 173 Resp: 18228

Ion Ratio Lower Upper

173 100

175 49.9 39.9 59.9

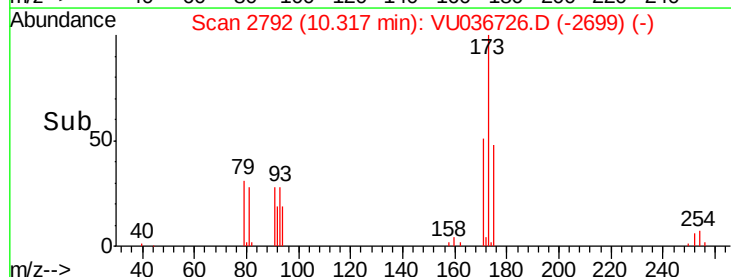
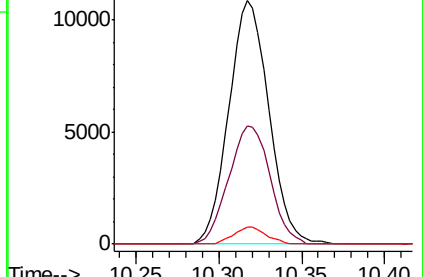
254 5.7 4.6 6.8

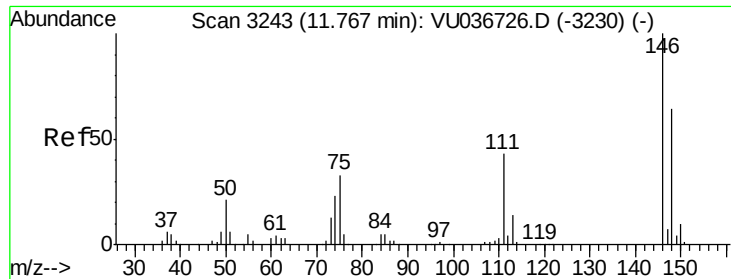


Abundance Ion 172.90 (172.60 to 173.60): VU036726.D (-2781) (-)

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

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

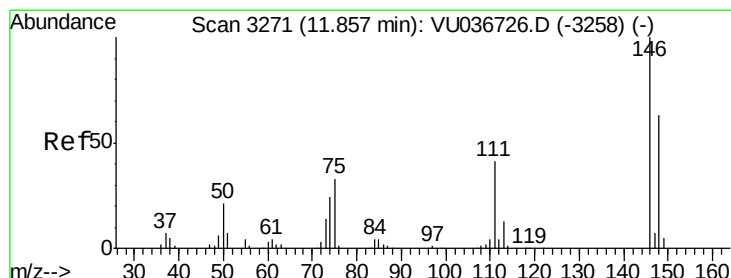
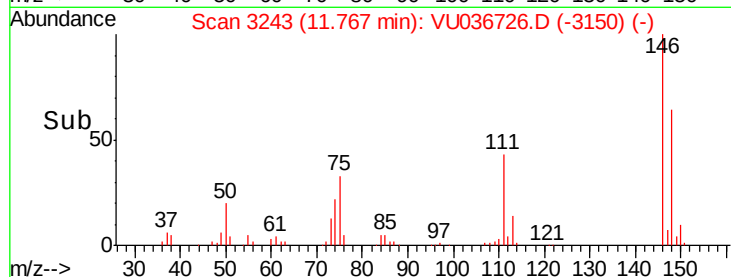
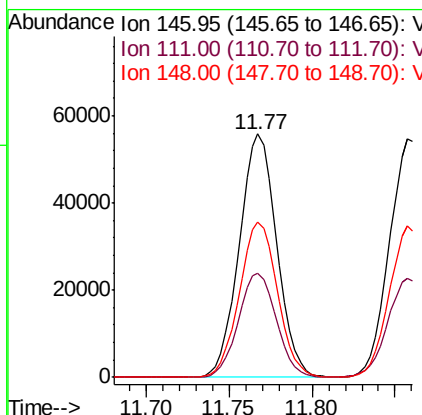
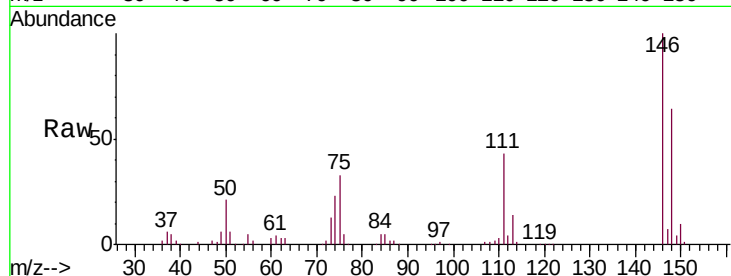




#62
 1,3-Dichlorobenzene
 Concen: 4.917 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

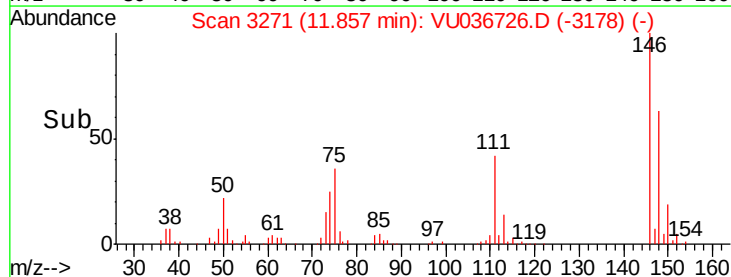
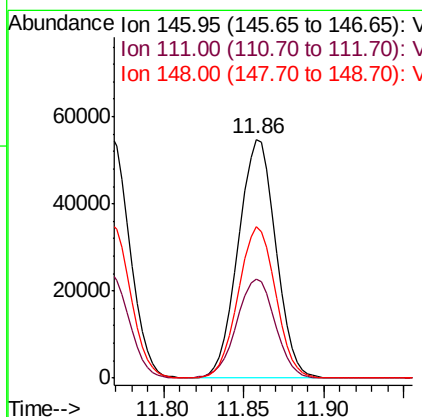
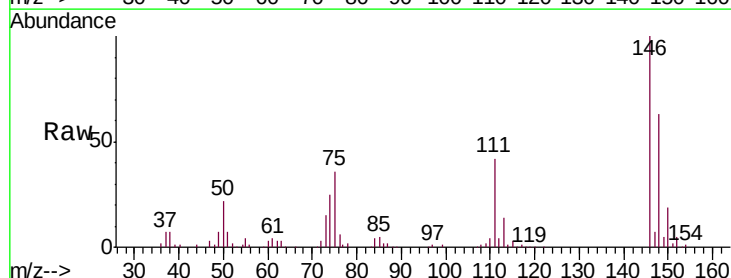
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

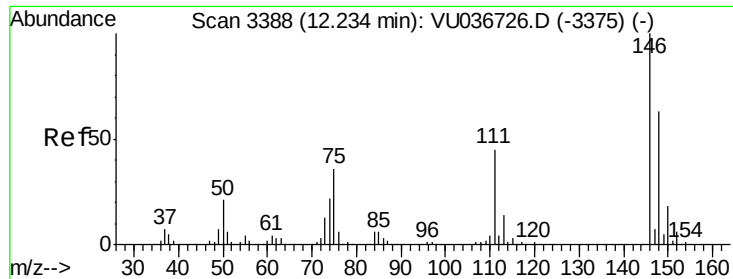
Tgt Ion:146 Resp: 87926
 Ion Ratio Lower Upper
 146 100
 111 42.9 30.0 55.8
 148 63.6 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 4.959 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

Tgt Ion:146 Resp: 87828
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.2 54.2
 148 63.3 44.3 82.3

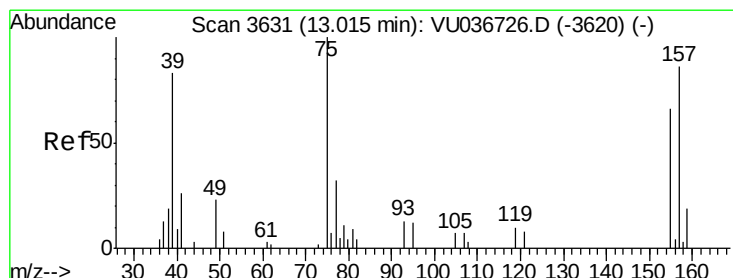
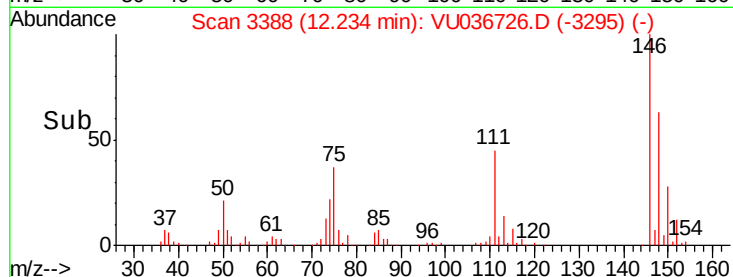
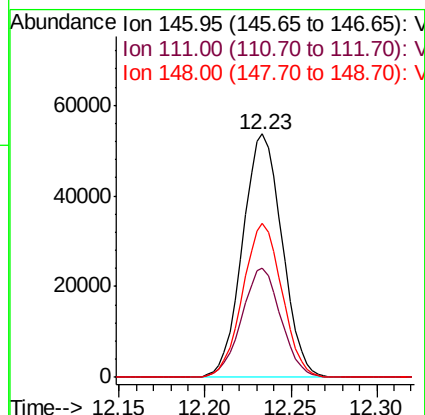
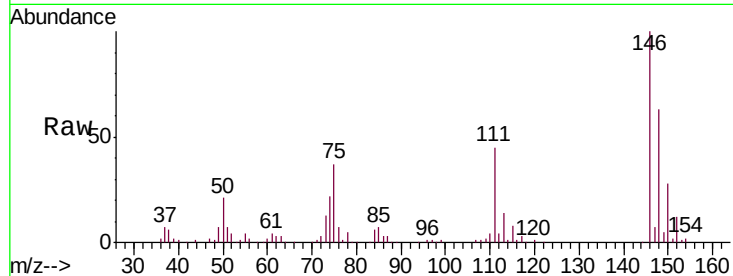




#65
 1,2-Dichlorobenzene
 Concen: 5.052 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

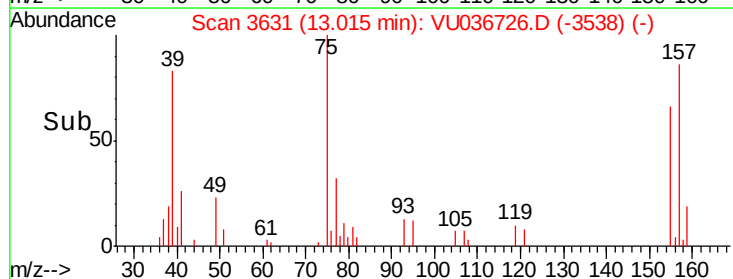
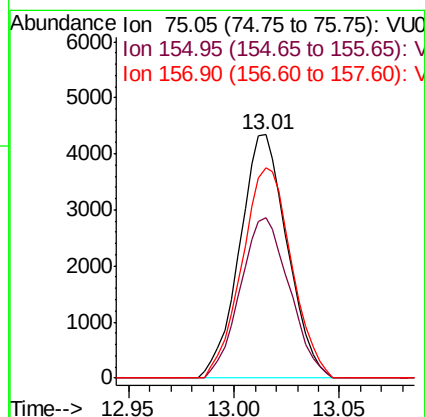
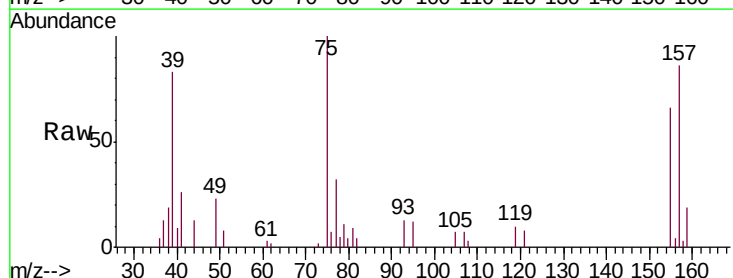
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

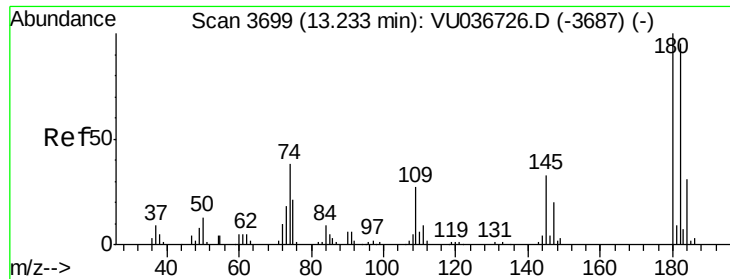
Tgt Ion: 146 Resp: 85787
 Ion Ratio Lower Upper
 146 100
 111 44.9 35.9 53.9
 148 63.0 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.515 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

Tgt Ion: 75 Resp: 6801
 Ion Ratio Lower Upper
 75 100
 155 66.1 52.9 79.3
 157 86.5 69.2 103.8

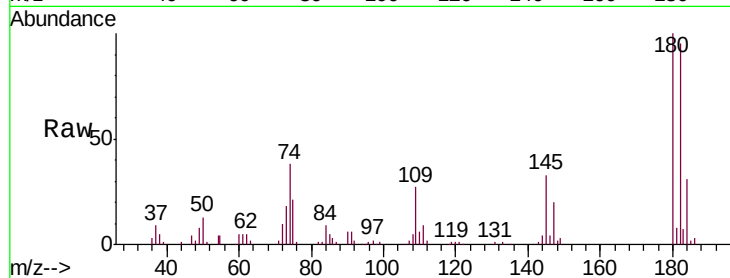




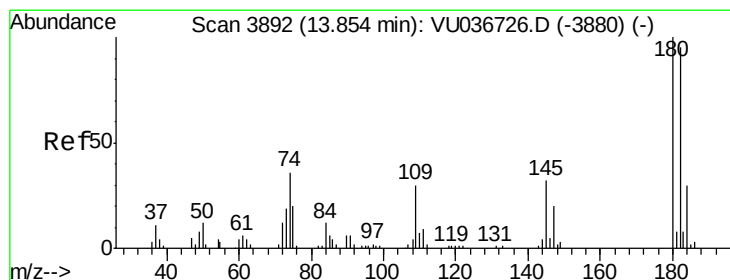
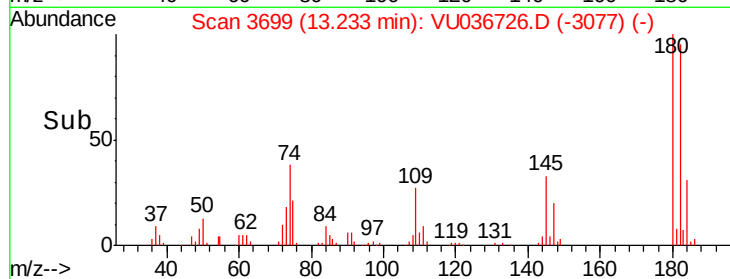
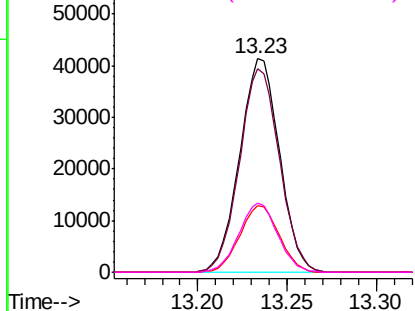
#67
 1,3,5-Trichlorobenzene
 Concen: 5.090 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00506

Tgt Ion:180 Resp: 64547
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.4 114.6
 184 30.8 24.6 37.0
 145 31.6 25.3 37.9

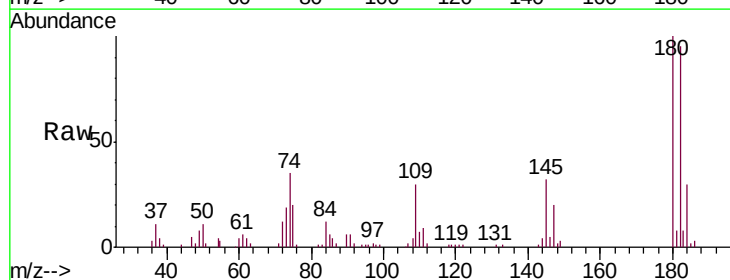


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

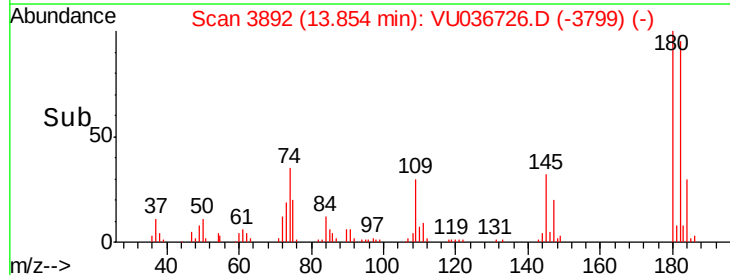
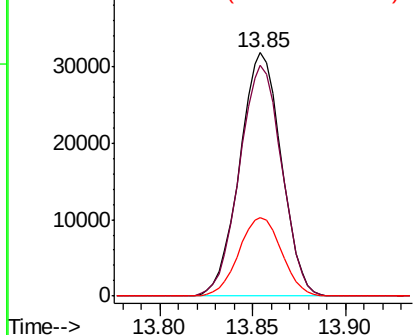


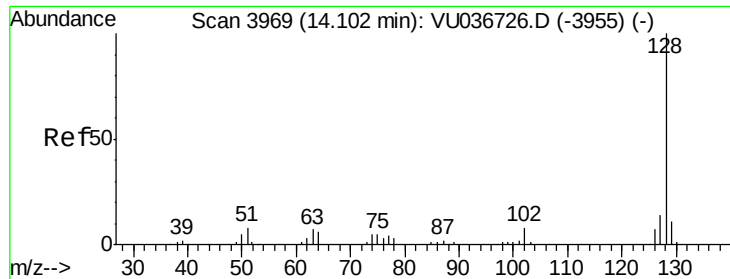
#68
 1,2,4-trichlorobenzene
 Concen: 5.313 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036726.D
 Acq: 11 Feb 2020 16:42

Tgt Ion:180 Resp: 49663
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.0 115.6
 145 33.1 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: 5.488 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00506

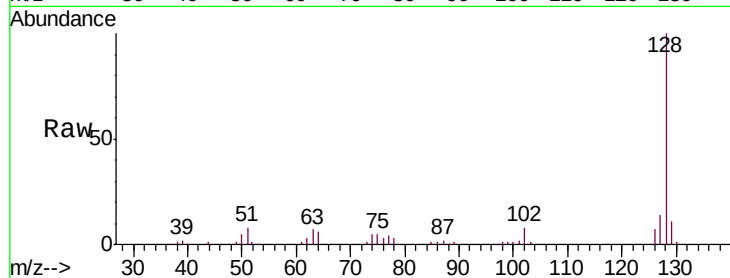
Tgt Ion:128 Resp: 91206

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

127 13.5 10.8 16.2

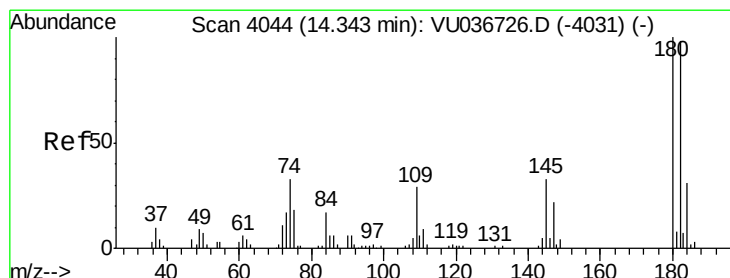
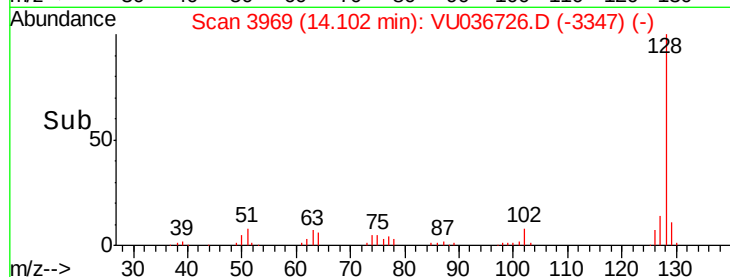
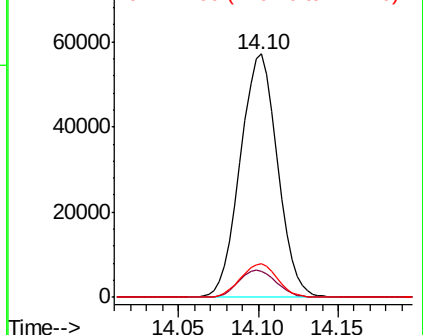


Abundance

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: 5.027 ug/L

RT: 14.34 min Scan# 4044

Delta R.T. 0.00 min

Lab File: VU036726.D

Acq: 11 Feb 2020 16:42

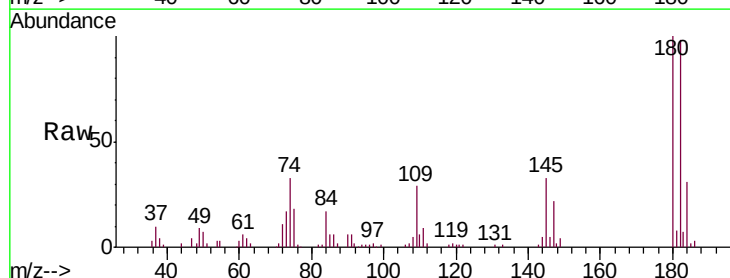
Tgt Ion:180 Resp: 45181

Ion Ratio Lower Upper

180 100

182 97.8 78.2 117.4

145 33.8 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

