

Data File : VU036880.D
Acq On : 24 Feb 2020 13:15
Operator : JC/MD
Sample : VSTD05034
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Quant Time: Feb 25 00:32:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 25 00:29:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	279276	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	262862	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	116448	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	119717	61.70	ug/L	0.00
7) Chloroethane-d5	1.93	69	99317	59.78	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	201242	56.05	ug/L	0.00
21) 2-Butanone-d5	4.67	46	168828	106.59	ug/L	0.00
24) Chloroform-d	5.11	84	185325	51.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	123422	51.20	ug/L	0.00
32) Benzene-d6	5.76	84	396824	56.08	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	128966	56.01	ug/L	0.00
41) Toluene-d8	7.93	98	367863	55.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	59945	49.79	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	128433	110.47	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	180644	53.08	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	116196	50.66	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	118557	46.705	ug/L	100
3) Chloromethane	1.54	50	135629	56.905	ug/L	100
5) Vinyl chloride	1.62	62	141434	58.810	ug/L	100
6) Bromomethane	1.87	94	70080	50.032	ug/L	100
8) Chloroethane	1.95	64	84630	59.072	ug/L	100
9) Trichlorofluoromethane	2.16	101	149973	48.257	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	89461	53.313	ug/L	100
12) 1,1-Dichloroethene	2.60	96	90140	53.904	ug/L	100
13) Acetone	2.66	43	165411	97.891	ug/L	100
14) Carbon disulfide	2.82	76	284286	52.615	ug/L	100
15) Methyl Acetate	2.98	43	125956	55.081	ug/L	100
16) Methylene chloride	3.08	84	109430	53.236	ug/L	100
17) trans-1,2-Dichloroethene	3.39	96	96662	52.704	ug/L	100
18) Methyl tert-butyl Ether	3.40	73	319451	51.747	ug/L	100
19) 1,1-Dichloroethane	3.91	63	191116	55.045	ug/L	100
20) cis-1,2-Dichloroethene	4.71	96	108465	52.177	ug/L	100
22) 2-Butanone	4.75	43	204459	105.871	ug/L	100
23) Bromochloromethane	5.02	128	49642	49.789	ug/L	100
25) Chloroform	5.13	83	182134	50.092	ug/L	100
27) 1,2-Dichloroethane	5.83	62	151435	52.249	ug/L	100
29) Cyclohexane	5.43	56	179358	55.582	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	144597	47.351	ug/L	100
31) Carbon tetrachloride	5.56	117	111976	43.794	ug/L	100
33) Benzene	5.81	78	425379	55.312	ug/L	100
34) Trichloroethene	6.57	95	103549	50.920	ug/L	100
35) Methylcyclohexane	6.79	83	181271	56.298	ug/L	100
37) 1,2-Dichloropropane	6.82	63	111702	54.754	ug/L	100
38) Bromodichloromethane	7.14	83	134184	49.295	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	178617	54.588	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	341923	105.118	ug/L	100

Data File : VU036880.D
Acq On : 24 Feb 2020 13:15
Operator : JC/MD
Sample : VSTD05034
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Quant Time: Feb 25 00:32:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 25 00:29:55 2020
Response via : Initial Calibration

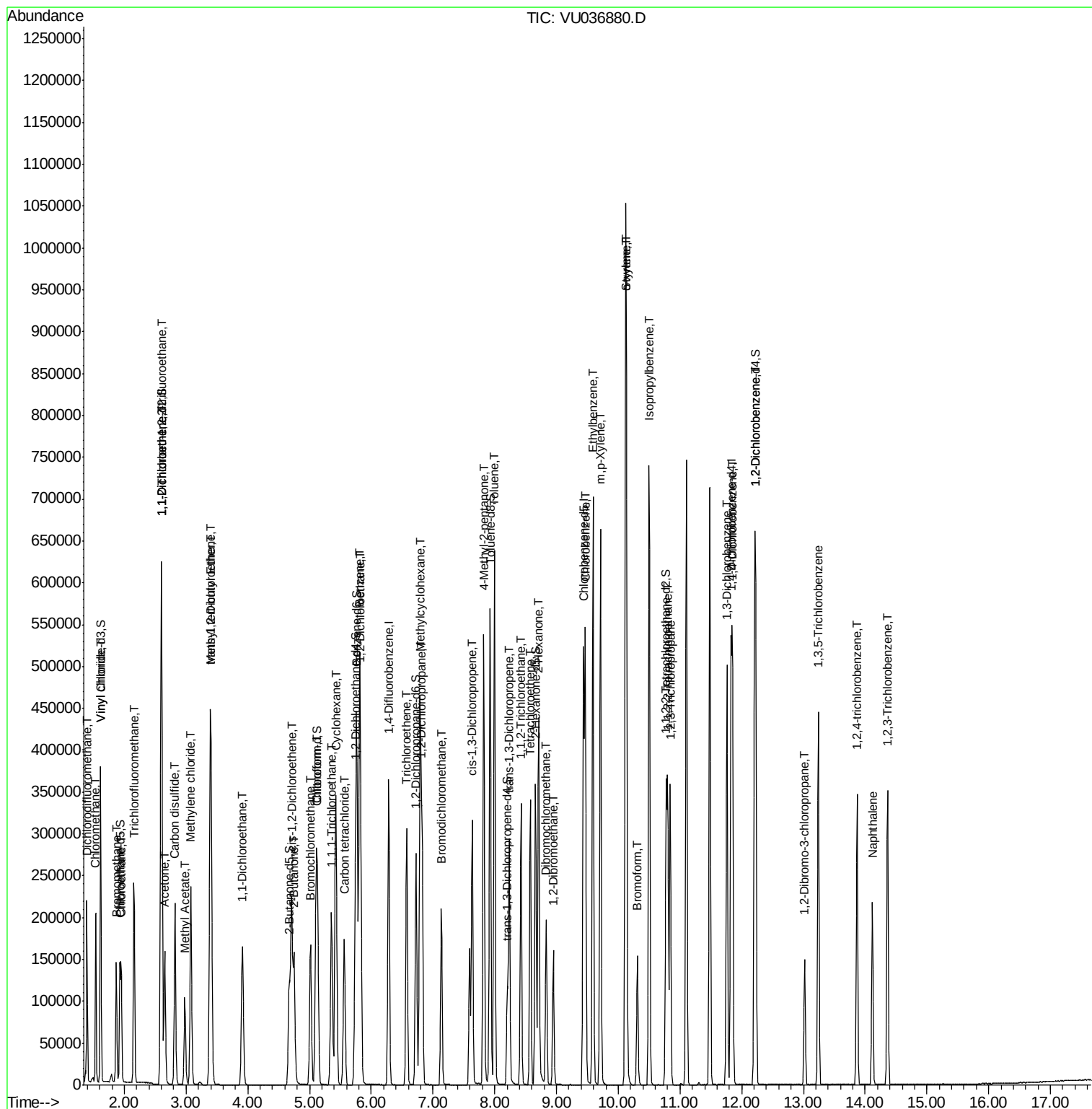
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	455351	54.710	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	153639	51.493	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	100897	52.352	ug/L	100
46) Tetrachloroethene	8.57	164	68243	50.238	ug/L	100
48) 2-Hexanone	8.71	43	281284	108.548	ug/L	100
49) Dibromochloromethane	8.84	129	96590	46.697	ug/L	100
50) 1,2-Dibromoethane	8.95	107	105314	49.229	ug/L	100
51) Chlorobenzene	9.47	112	265593	51.473	ug/L	100
52) Ethylbenzene	9.59	91	488078	52.939	ug/L	100
53) m,p-Xylene	9.71	106	180042	52.310	ug/L	100
54) o-xylene	10.12	106	179057	52.130	ug/L	100
55) Styrene	10.13	104	296021	53.285	ug/L	100
56) Isopropylbenzene	10.50	105	460795	52.433	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	179395	53.636	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	144320	52.051	ug/L	100
61) Bromoform	10.31	173	66209	43.095	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	188168	51.072	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	184793	50.273	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	190807	52.417	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	39319	49.517	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	123939	54.879	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	97014	57.733	ug/L	100
69) Naphthalene	14.12	128	166705	32.709	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	96522	55.416	ug/L	100

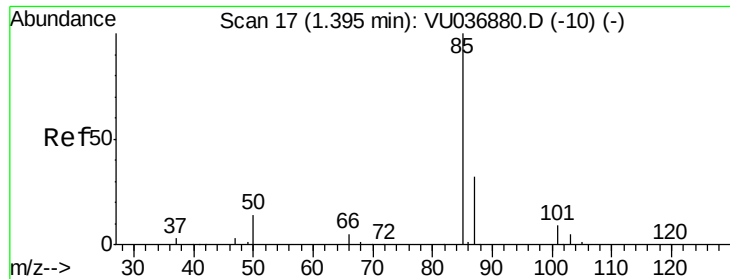
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU036880.D
Acq On : 24 Feb 2020 13:15
Operator : JC/MD
Sample : VSTD05034
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Quant Time: Feb 25 00:32:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 25 00:29:55 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 46.705 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

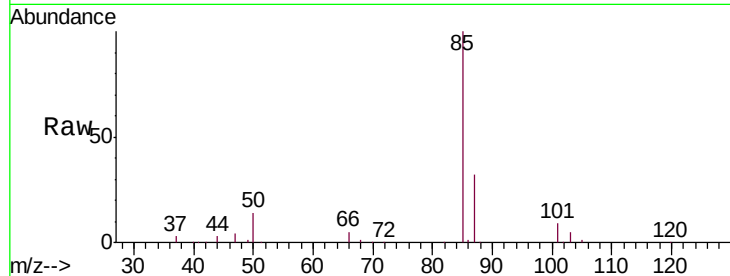
VSTD05034

Tgt Ion: 85 Resp: 118557

Ion Ratio Lower Upper

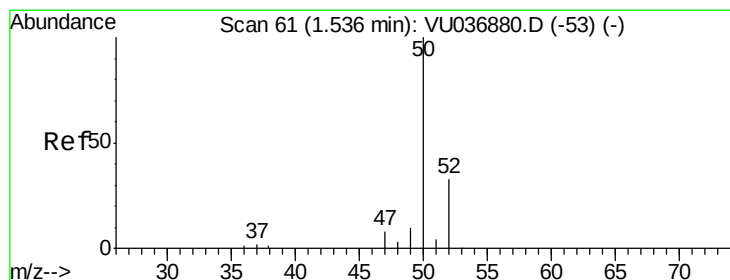
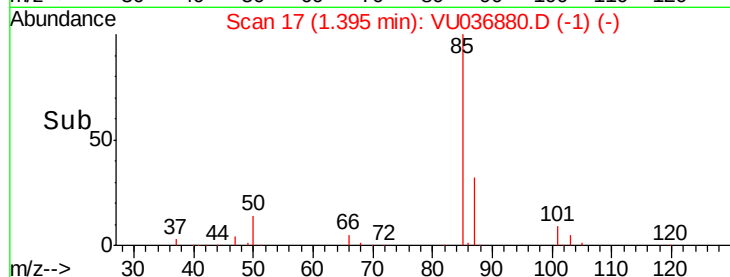
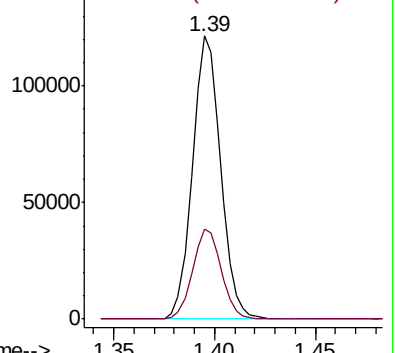
85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036880.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036880.D (-10) (-)



#3

Chloromethane

Concen: 56.905 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036880.D

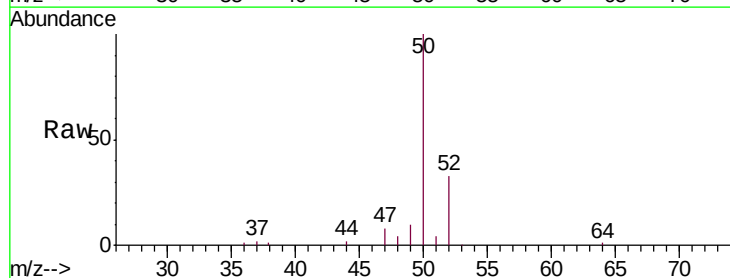
Acq: 24 Feb 2020 13:15

Tgt Ion: 50 Resp: 135629

Ion Ratio Lower Upper

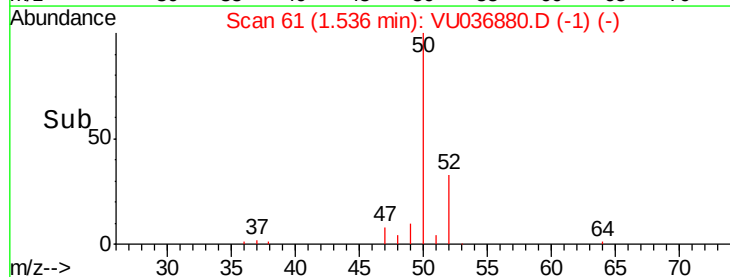
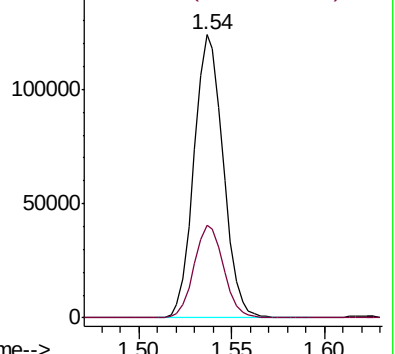
50 100

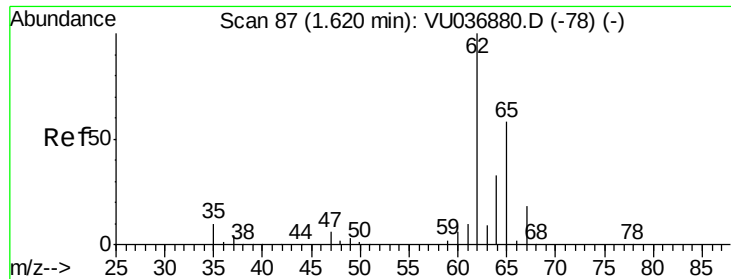
52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036880.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036880.D (-53) (-)





#5

Vinyl chloride

Concen: 58.810 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

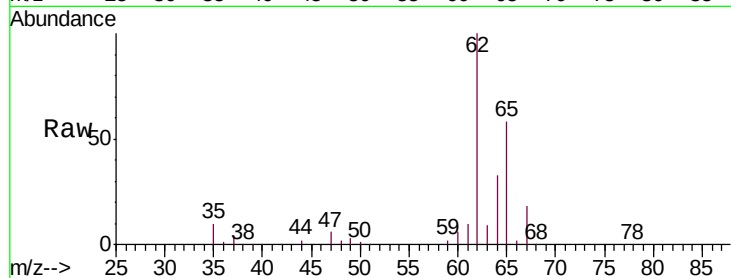
VSTD05034

Tgt Ion: 62 Resp: 141434

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU036880.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036880.D (-78) (-)

150000

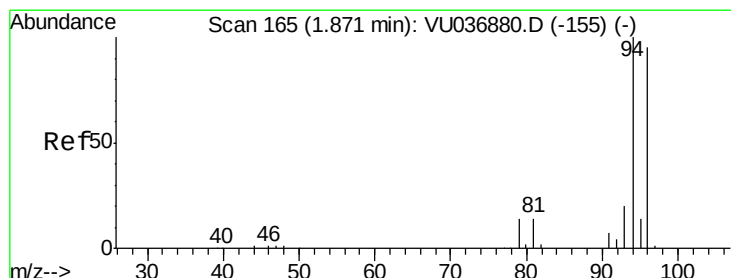
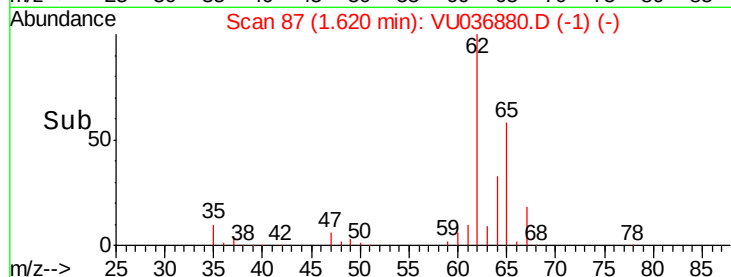
100000

50000

0

1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 50.032 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU036880.D

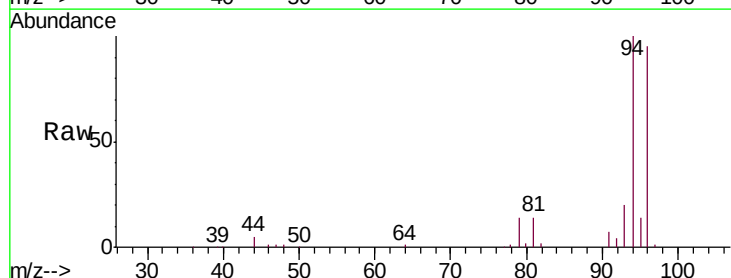
Acq: 24 Feb 2020 13:15

Tgt Ion: 94 Resp: 70080

Ion Ratio Lower Upper

94 100

96 94.5 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU036880.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036880.D (-155) (-)

60000

50000

40000

30000

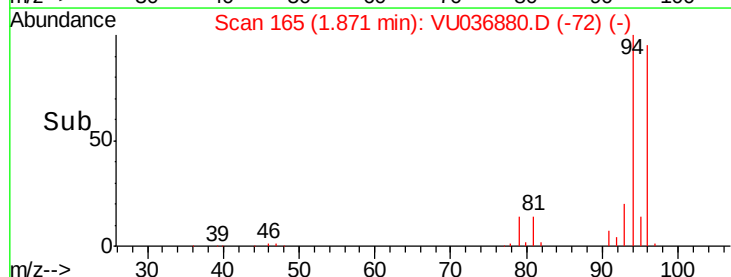
20000

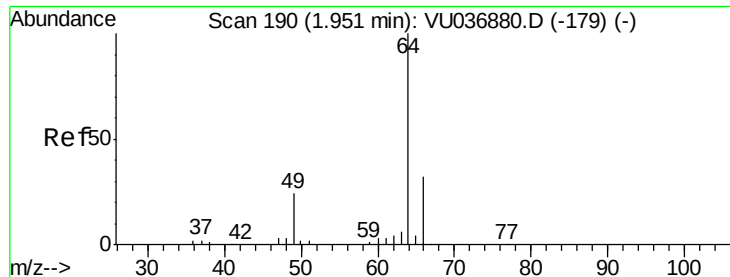
10000

0

1.80 1.85 1.90

Time-->





#8

Chloroethane

Concen: 59.072 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

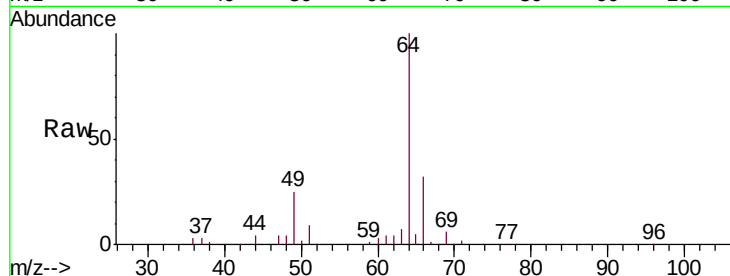
VSTD05034

Tgt Ion: 64 Resp: 84630

Ion Ratio Lower Upper

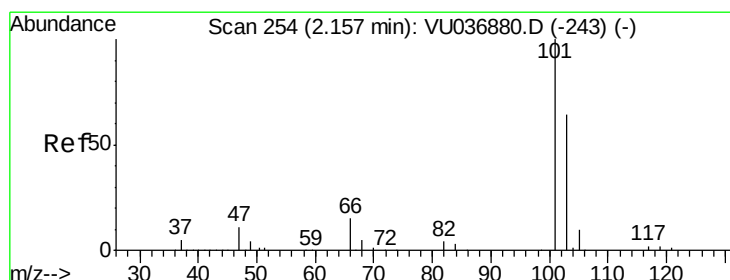
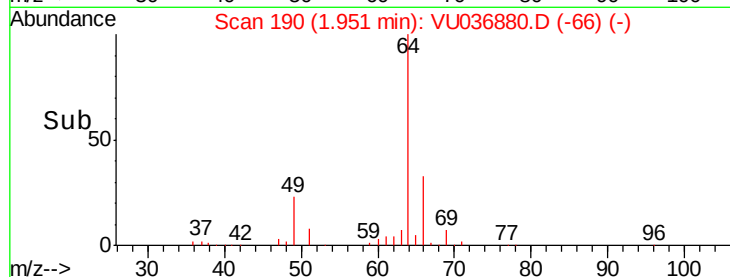
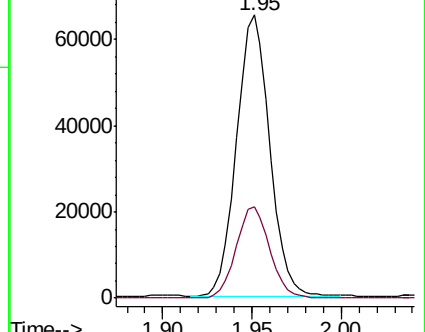
64 100

66 32.2 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU036880.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU036880.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 48.257 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036880.D

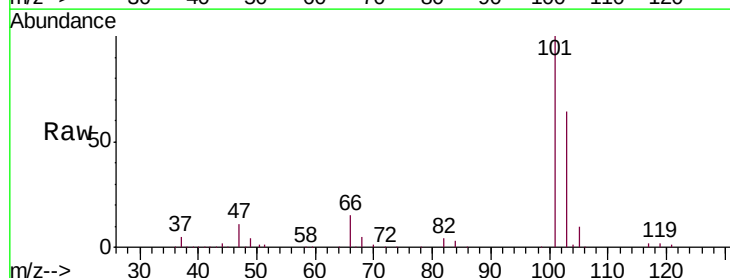
Acq: 24 Feb 2020 13:15

Tgt Ion: 101 Resp: 149973

Ion Ratio Lower Upper

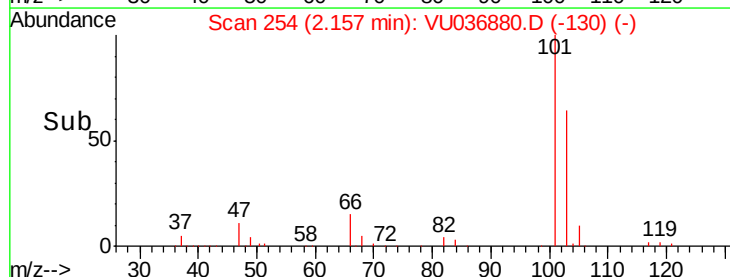
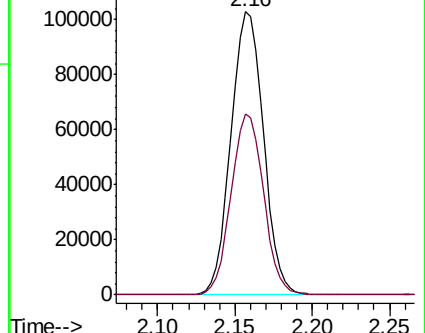
101 100

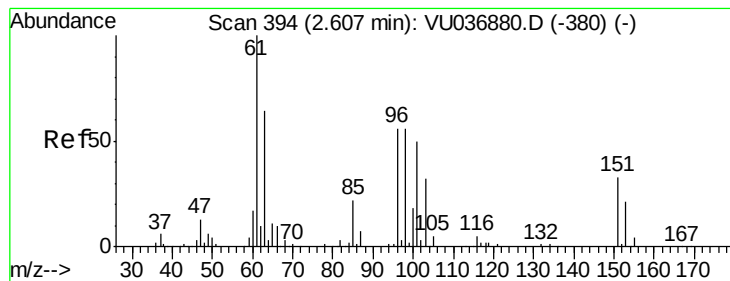
103 63.6 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU036880.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036880.D (-243) (-)





#10

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

Concen: 53.313 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

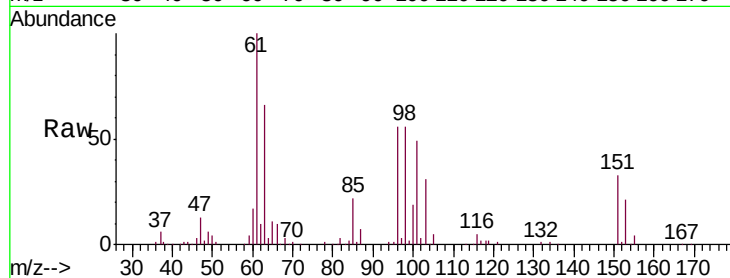
Tgt Ion:101 Resp: 89461

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

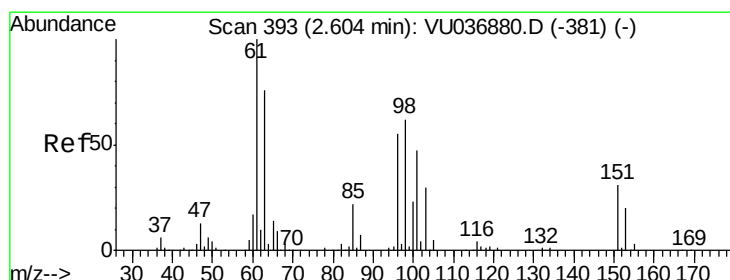
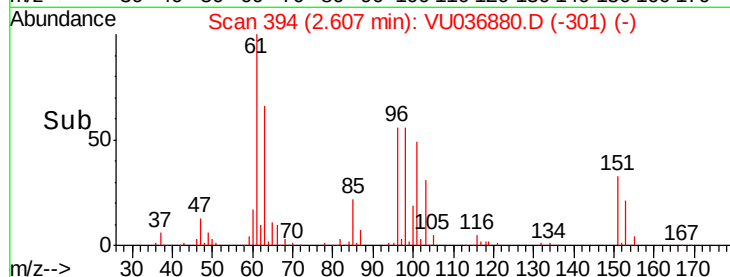
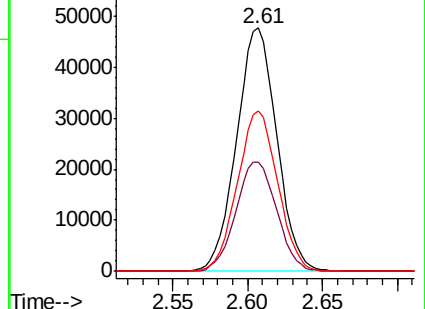
151 65.5 52.4 78.6



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: 53.904 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

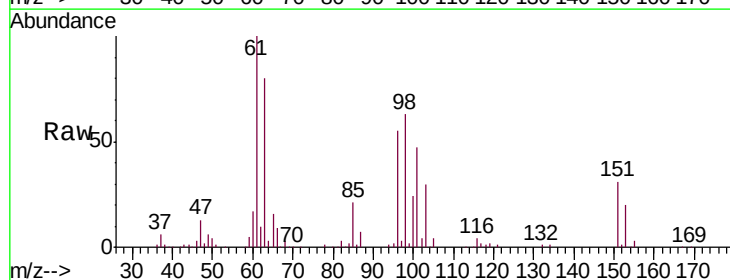
Tgt Ion: 96 Resp: 90140

Ion Ratio Lower Upper

96 100

61 182.1 127.5 236.7

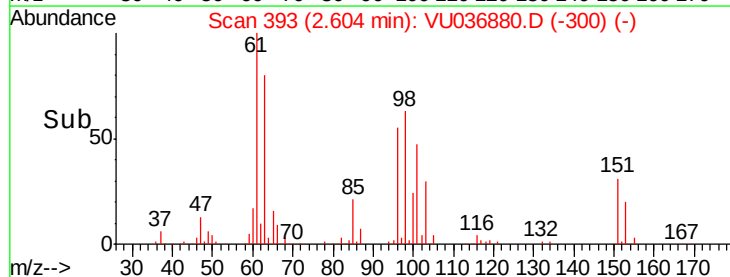
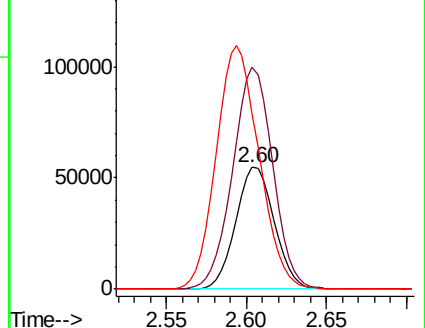
63 144.8 101.4 188.2

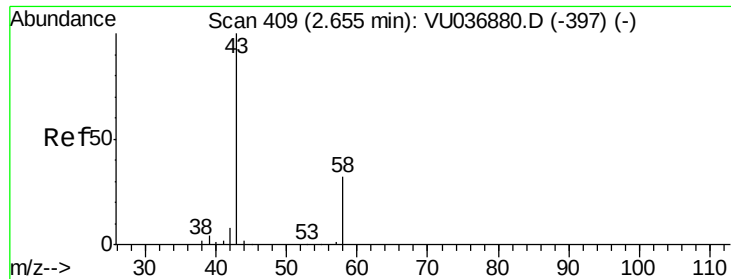


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.891 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

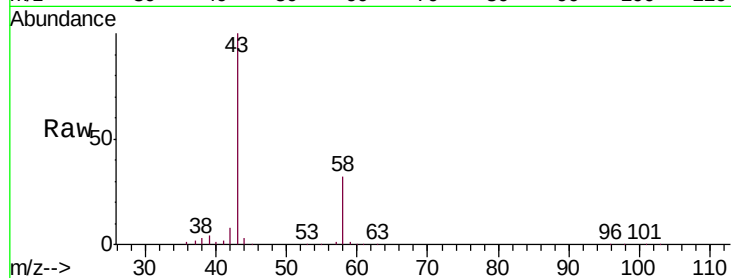
VSTD05034

Tgt Ion: 43 Resp: 165411

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU036880.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU036880.D (-397) (-)

2.66

100000

80000

60000

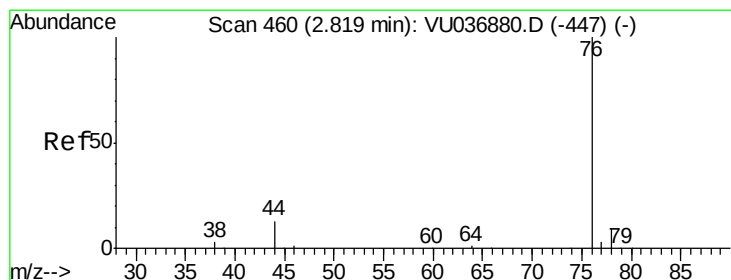
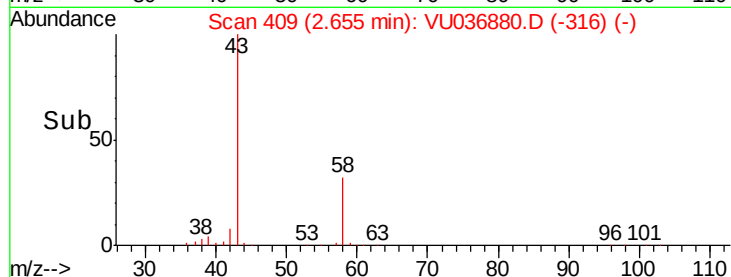
40000

20000

0

2.60 2.65 2.70

Time-->



#14

Carbon disulfide

Concen: 52.615 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036880.D

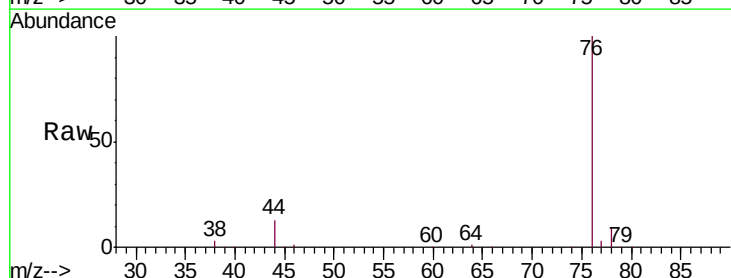
Acq: 24 Feb 2020 13:15

Tgt Ion: 76 Resp: 284286

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU036880.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036880.D (-447) (-)

2.82

150000

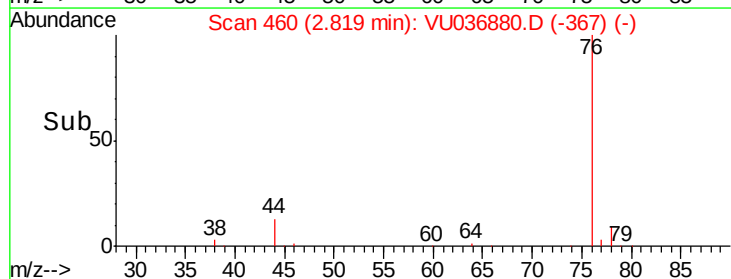
100000

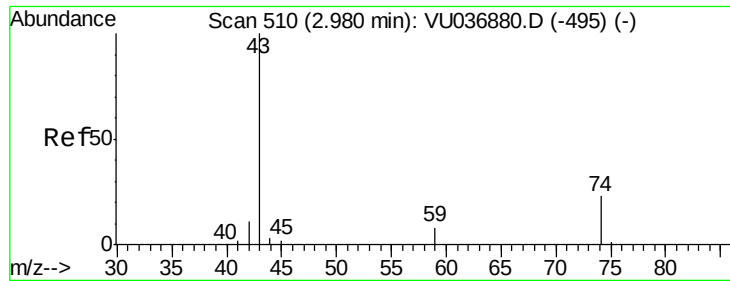
50000

0

2.75 2.80 2.85 2.90

Time-->

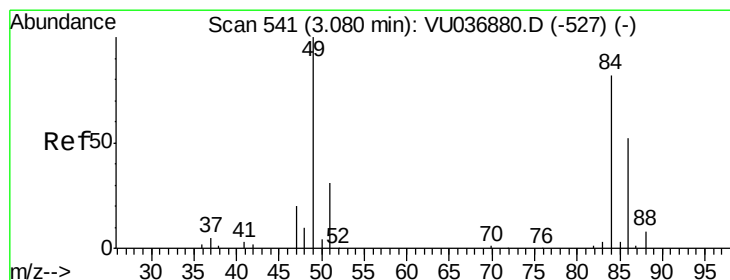
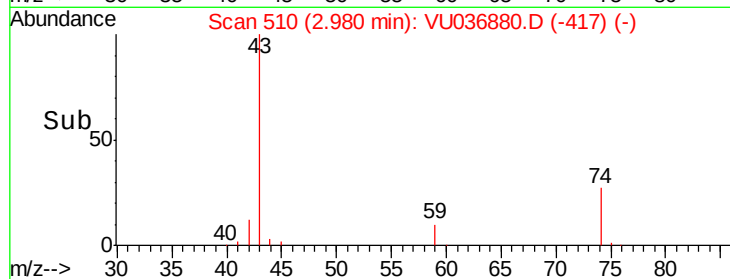
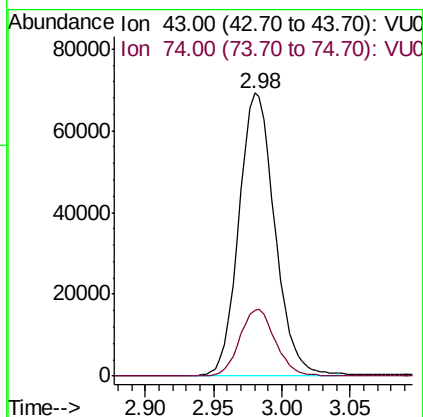
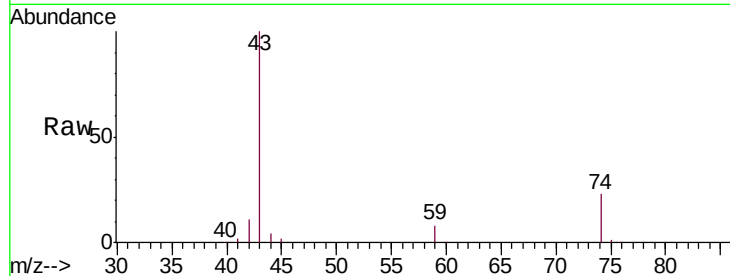




#15
Methyl Acetate
Concen: 55.081 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU036880.D
Acq: 24 Feb 2020 13:15

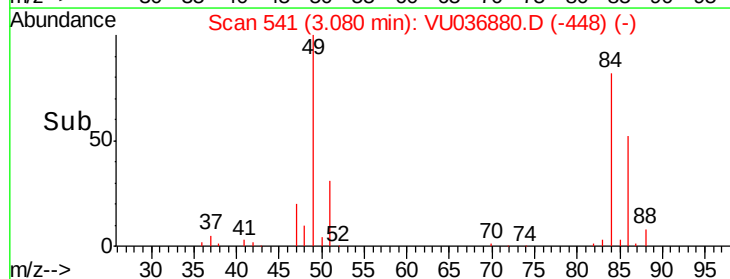
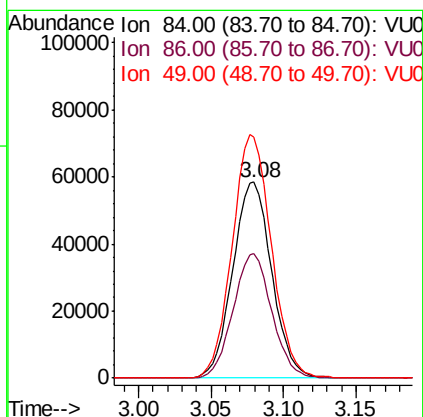
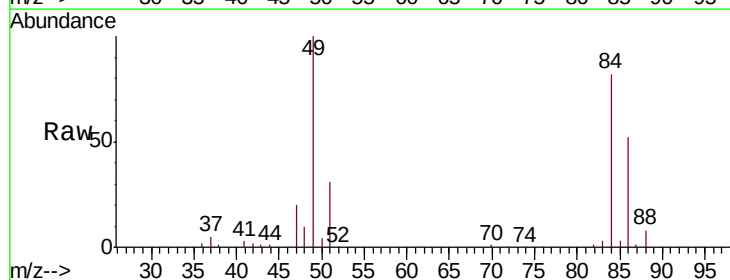
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

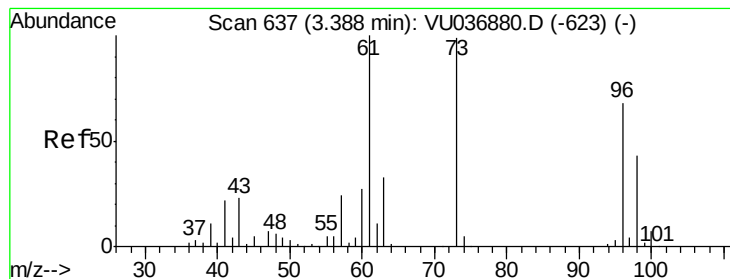
Tgt Ion: 43 Resp: 125956
Ion Ratio Lower Upper
43 100
74 23.7 19.0 28.4



#16
Methylene chloride
Concen: 53.236 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036880.D
Acq: 24 Feb 2020 13:15

Tgt Ion: 84 Resp: 109430
Ion Ratio Lower Upper
84 100
86 63.5 44.4 82.5
49 122.7 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 52.704 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

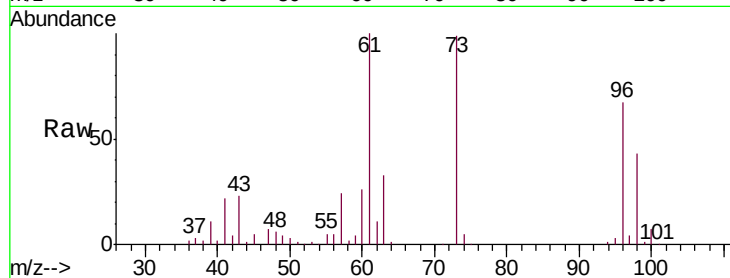
Tgt Ion: 96 Resp: 96662

Ion Ratio Lower Upper

96 100

61 148.3 103.8 192.8

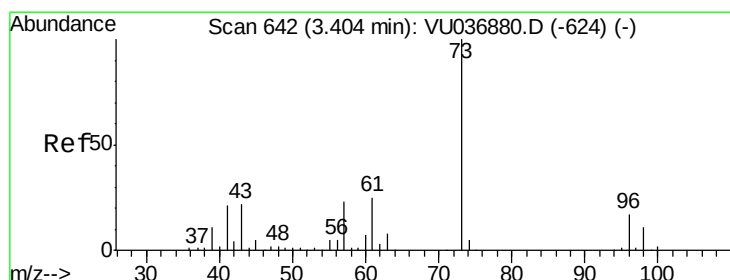
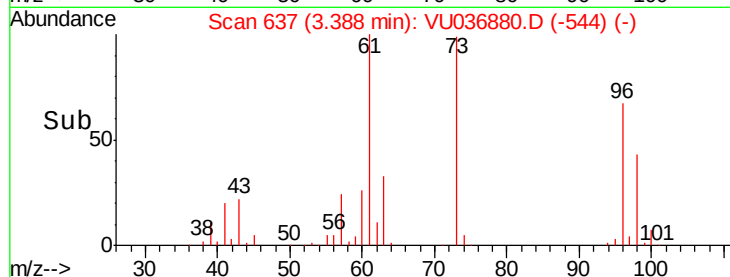
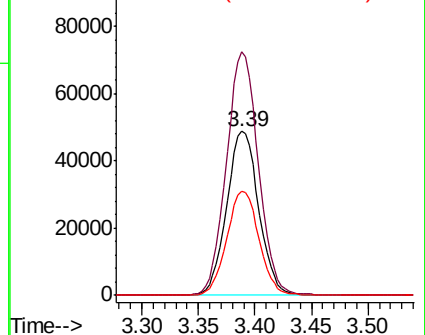
98 63.2 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036880.D (-623) (-)

Ion 61.00 (60.70 to 61.70): VU036880.D (-623) (-)

Ion 98.00 (97.70 to 98.70): VU036880.D (-623) (-)



#18

Methyl tert-butyl Ether

Concen: 51.747 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

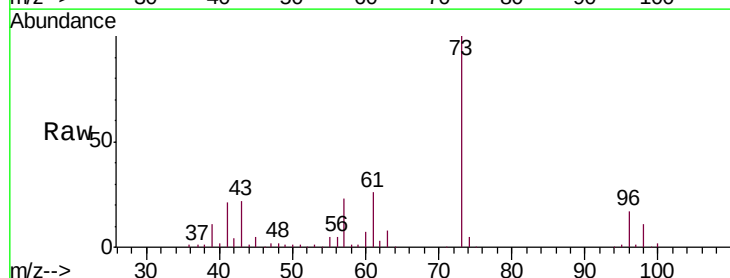
Tgt Ion: 73 Resp: 319451

Ion Ratio Lower Upper

73 100

43 22.6 18.1 27.1

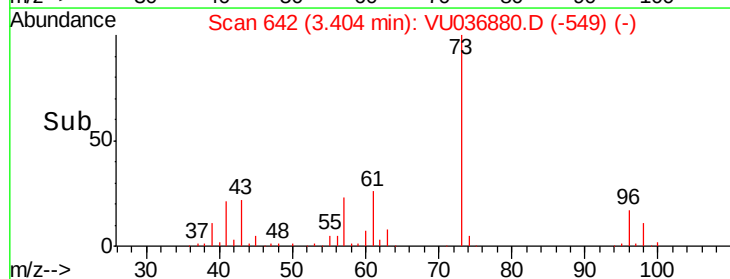
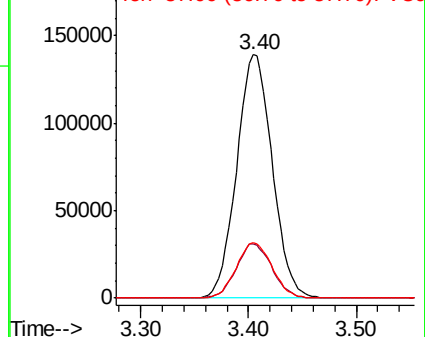
57 23.0 18.4 27.6

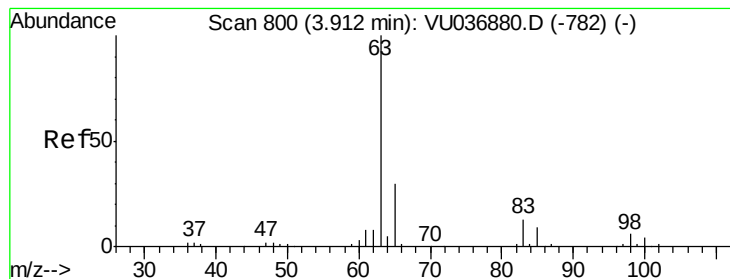


Abundance Ion 73.00 (72.70 to 73.70): VU036880.D (-624) (-)

Ion 43.00 (42.70 to 43.70): VU036880.D (-624) (-)

Ion 57.00 (56.70 to 57.70): VU036880.D (-624) (-)





#19

1,1-Dichloroethane

Concen: 55.045 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

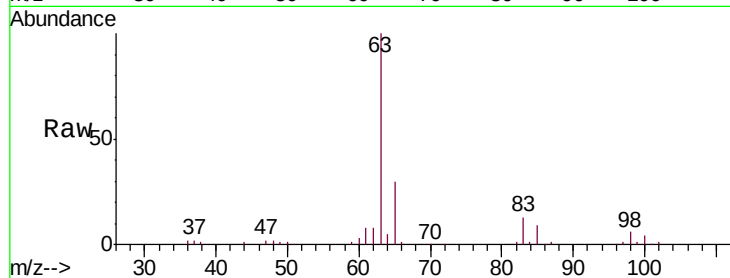
Tgt Ion: 63 Resp: 191116

Ion Ratio Lower Upper

63 100

65 30.4 21.3 39.5

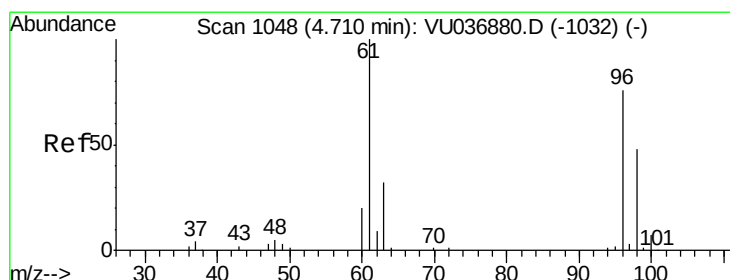
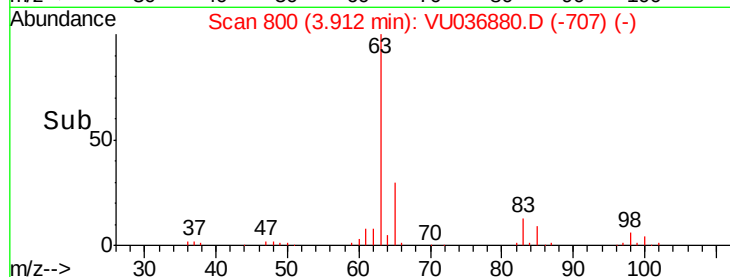
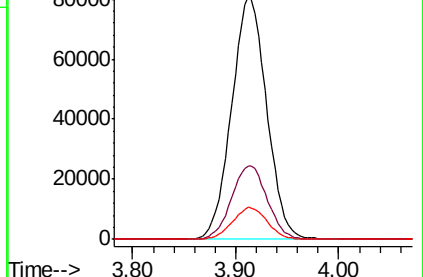
83 13.2 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU036880.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU036880.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU036880.D (-782) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.177 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

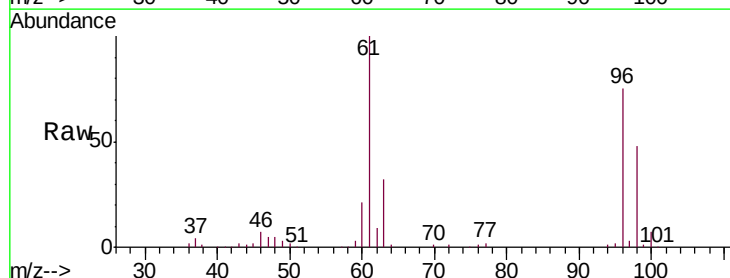
Tgt Ion: 96 Resp: 108465

Ion Ratio Lower Upper

96 100

61 133.0 93.1 172.9

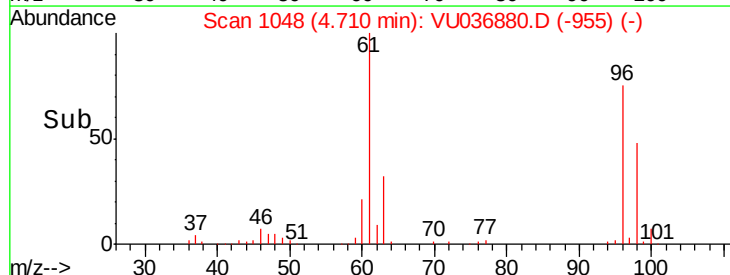
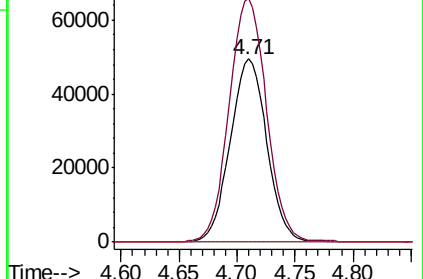
68 0.0 0.0 0.0

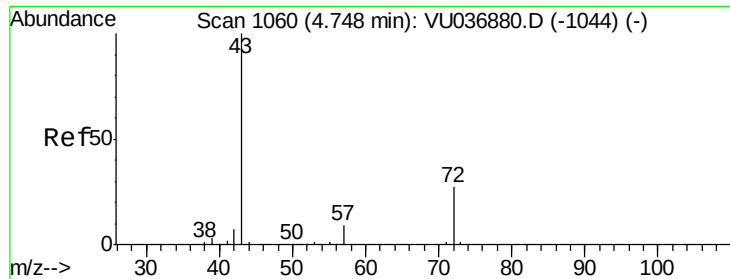


Abundance Ion 96.00 (95.70 to 96.70): VU036880.D (-1032) (-)

Ion 61.00 (60.70 to 61.70): VU036880.D (-1032) (-)

Ion 68.00 (67.70 to 68.70): VU036880.D (-1032) (-)





#22

2-Butanone

Concen: 105.871 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampled :

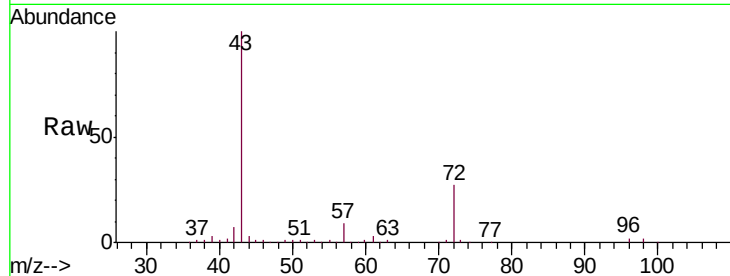
VSTD05034

Tgt Ion: 43 Resp: 204459

Ion Ratio Lower Upper

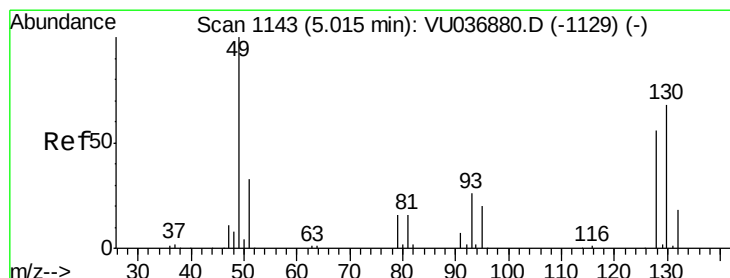
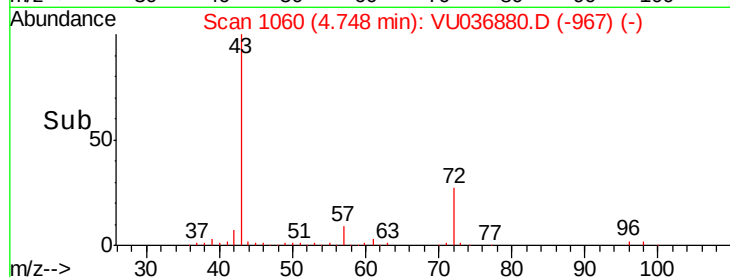
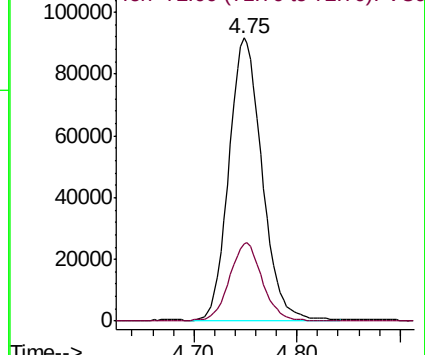
43 100

72 27.7 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU036880.D (-1044) (-)

Ion 72.00 (71.70 to 72.70): VU036880.D (-1044) (-)



#23

Bromochloromethane

Concen: 49.789 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Tgt Ion: 128 Resp: 49642

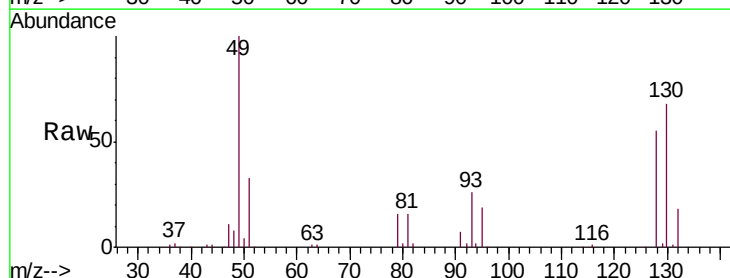
Ion Ratio Lower Upper

128 100

49 180.7 126.5 234.9

130 122.9 86.0 159.8

51 59.1 47.3 70.9

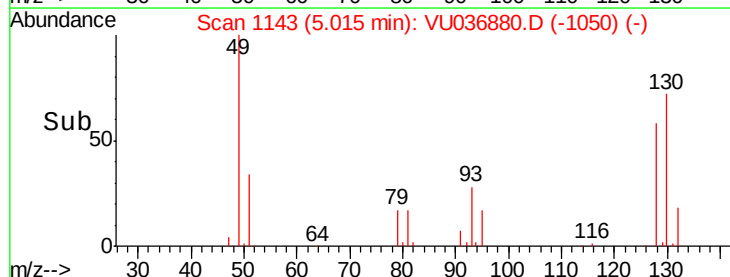
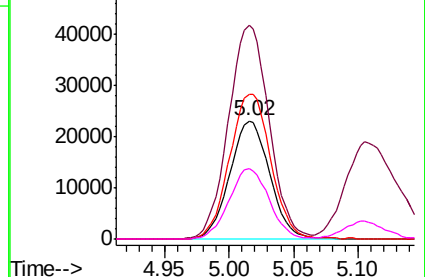


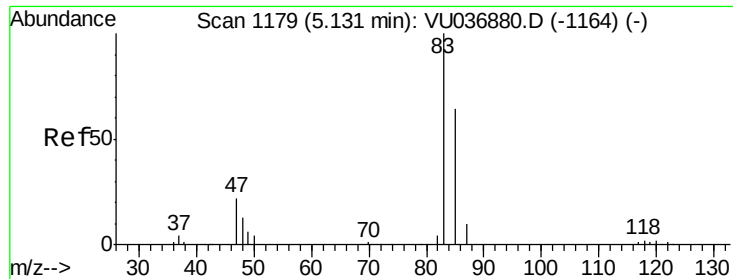
Abundance Ion 128.00 (127.70 to 128.70): VU036880.D (-1129) (-)

Ion 49.00 (48.70 to 49.70): VU036880.D (-1129) (-)

Ion 130.00 (129.70 to 130.70): VU036880.D (-1129) (-)

Ion 51.00 (50.70 to 51.70): VU036880.D (-1129) (-)

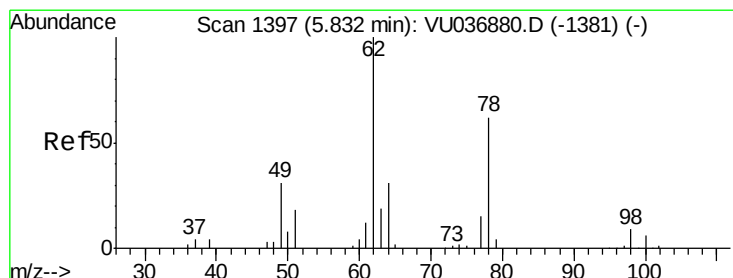
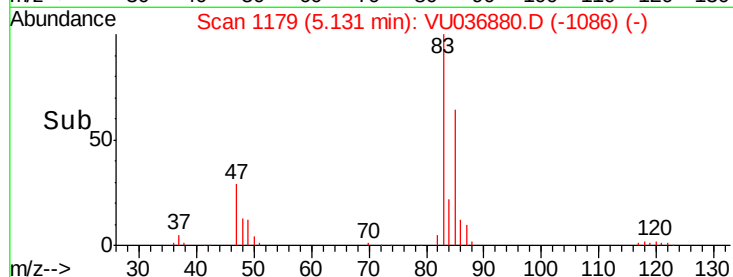
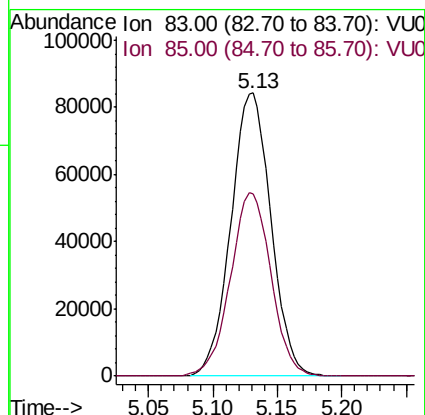
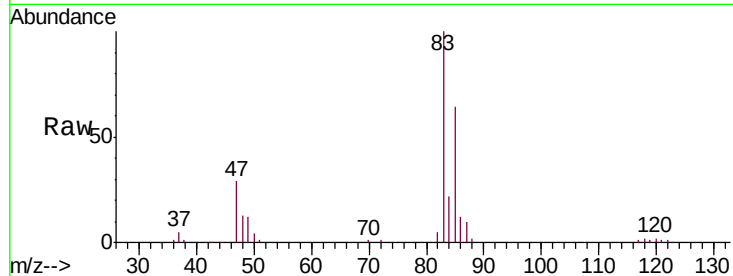




#25
Chloroform
Concen: 50.092 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036880.D
Acq: 24 Feb 2020 13:15

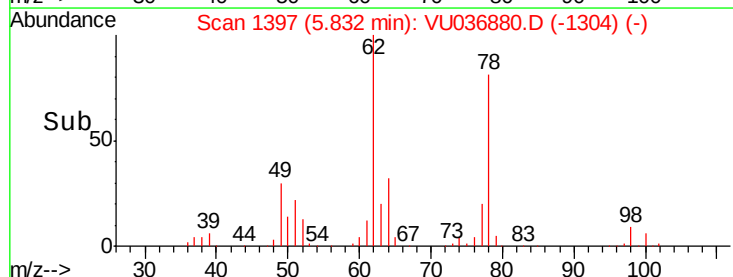
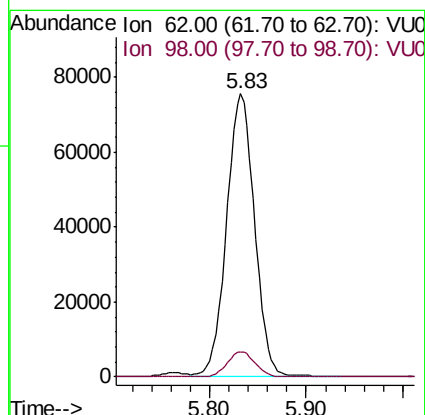
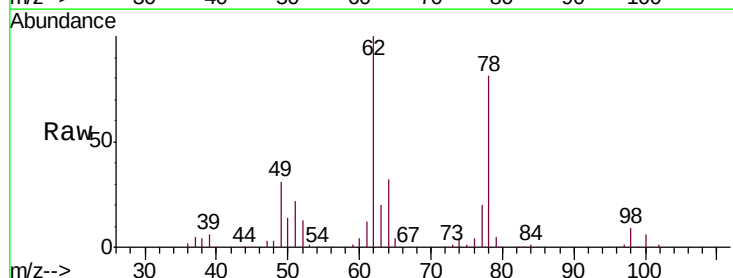
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

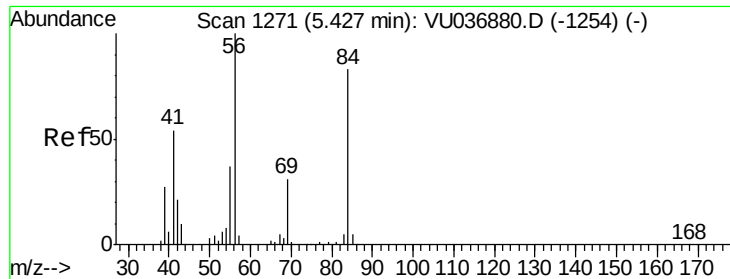
Tgt Ion: 83 Resp: 182134
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 52.249 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU036880.D
Acq: 24 Feb 2020 13:15

Tgt Ion: 62 Resp: 151435
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7

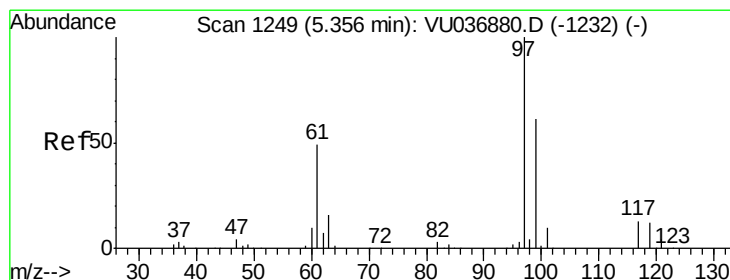
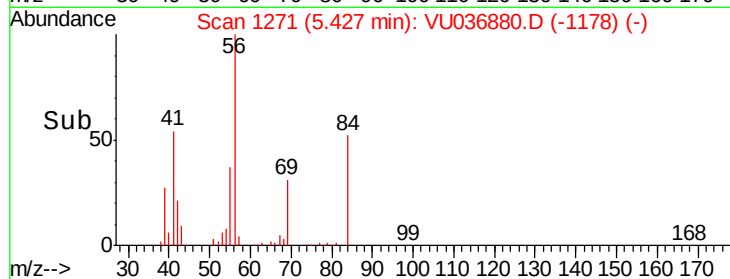
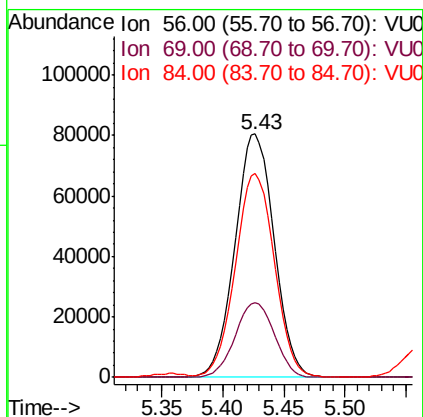
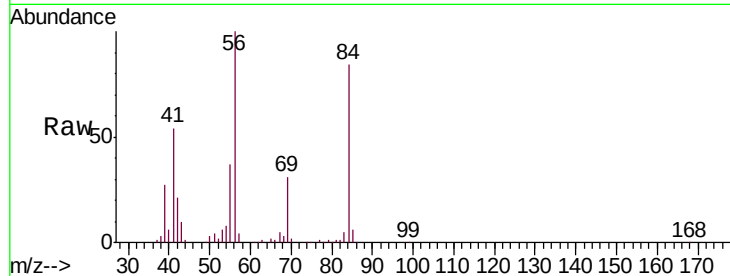




#29
Cyclohexane
Concen: 55.582 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU036880.D
Acq: 24 Feb 2020 13:15

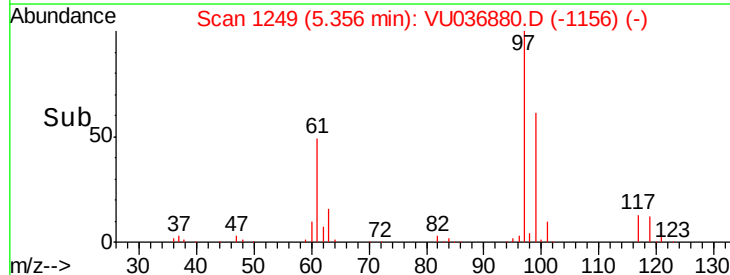
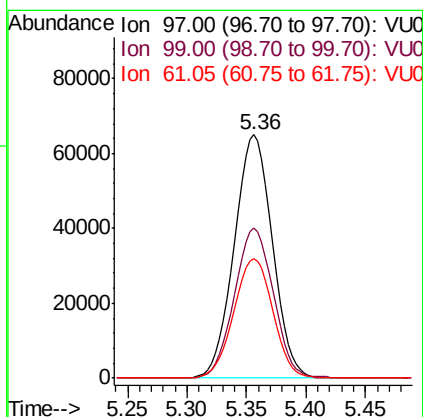
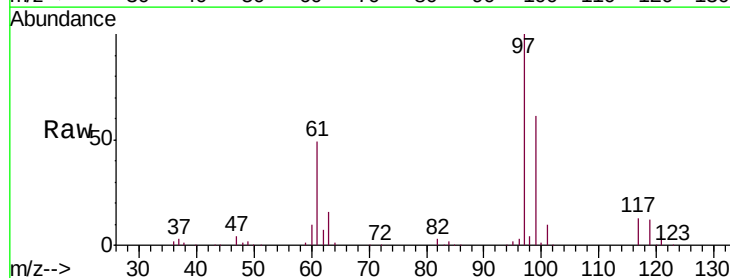
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

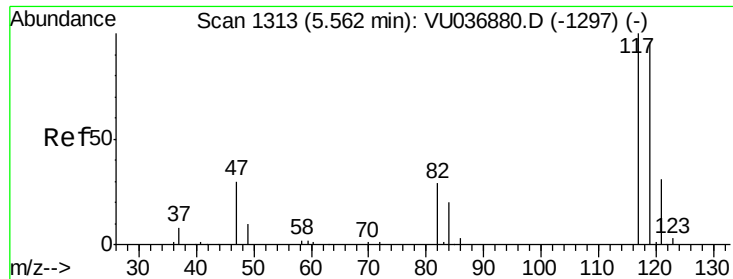
Tgt Ion: 56 Resp: 179358
Ion Ratio Lower Upper
56 100
69 30.8 24.6 37.0
84 83.7 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 47.351 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU036880.D
Acq: 24 Feb 2020 13:15

Tgt Ion: 97 Resp: 144597
Ion Ratio Lower Upper
97 100
99 63.0 50.4 75.6
61 50.4 40.3 60.5





#31

Carbon tetrachloride

Concen: 43.794 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

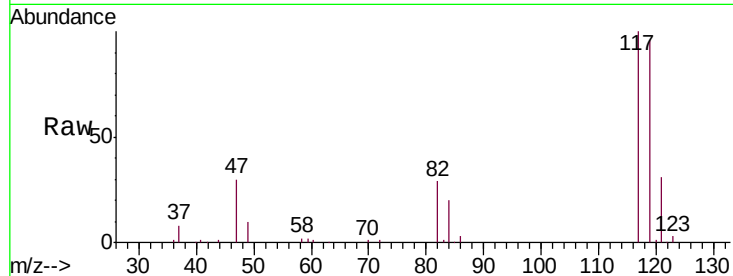
VSTD05034

Tgt Ion:117 Resp: 111976

Ion Ratio Lower Upper

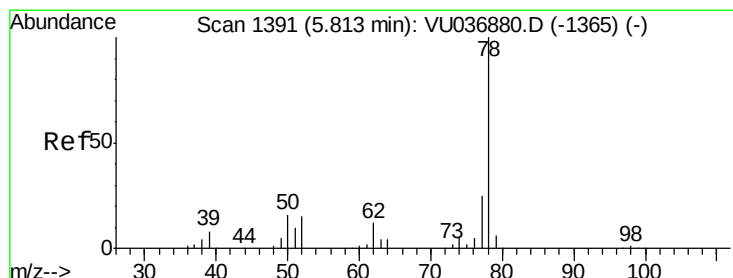
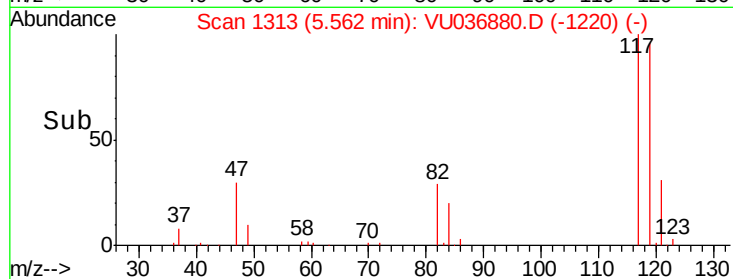
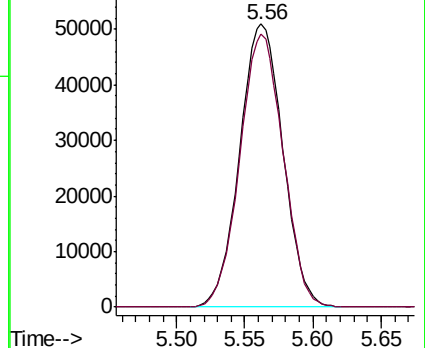
117 100

119 96.5 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 55.312 ug/L

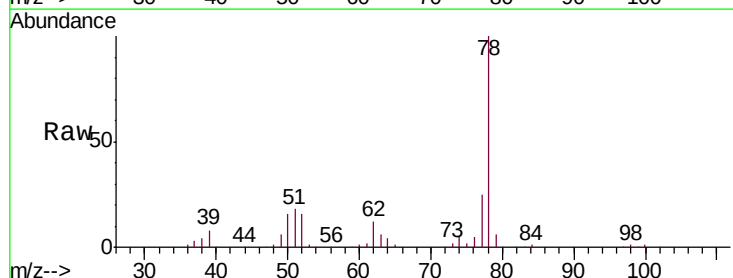
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

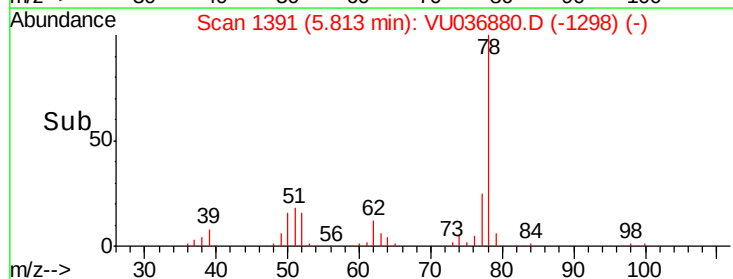
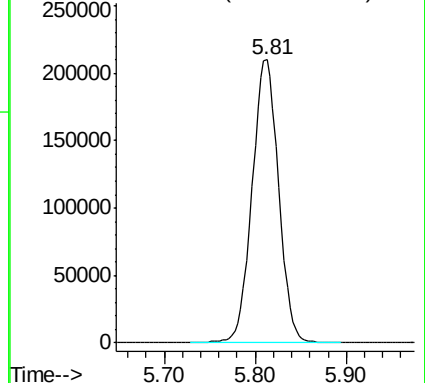
Lab File: VU036880.D

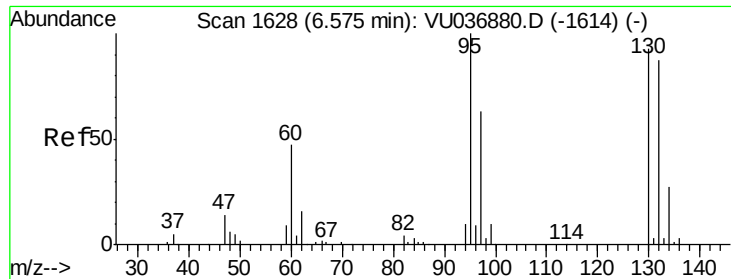
Acq: 24 Feb 2020 13:15

Tgt Ion: 78 Resp: 425379



Abundance Ion 78.00 (77.70 to 78.70): VU0

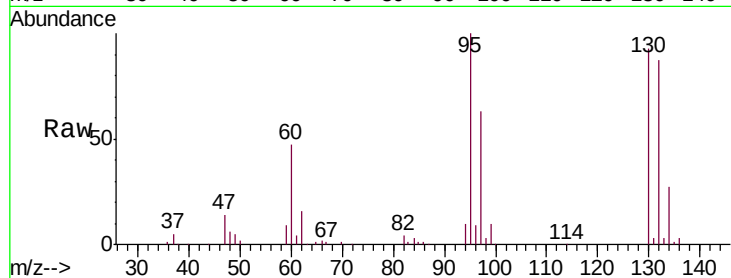




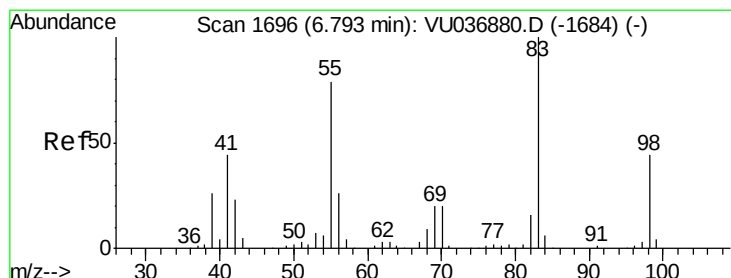
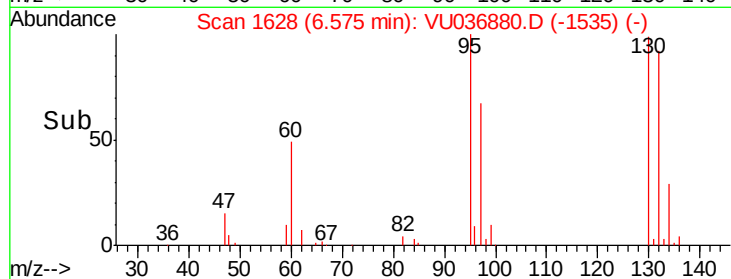
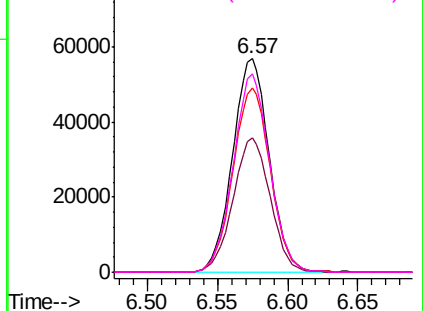
#34
 Trichloroethene
 Concen: 50.920 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU036880.D
 Acq: 24 Feb 2020 13:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

Tgt Ion: 95 Resp: 103549
 Ion Ratio Lower Upper
 95 100
 97 63.0 44.1 81.9
 132 86.6 60.6 112.6
 130 92.7 64.9 120.5

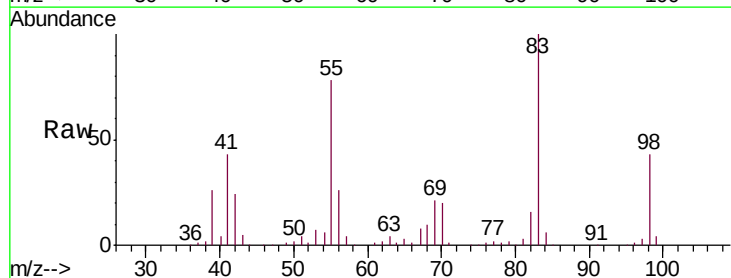


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

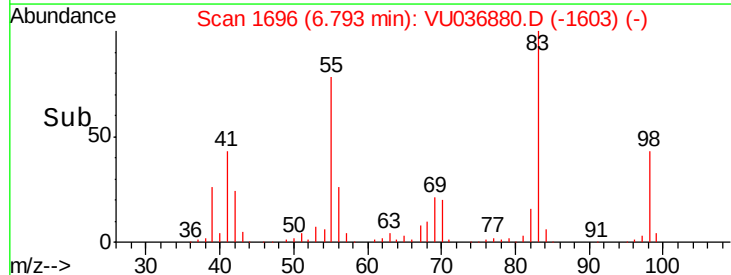
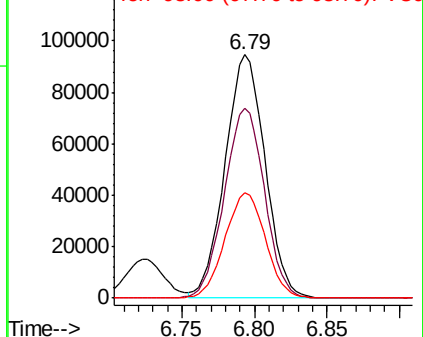


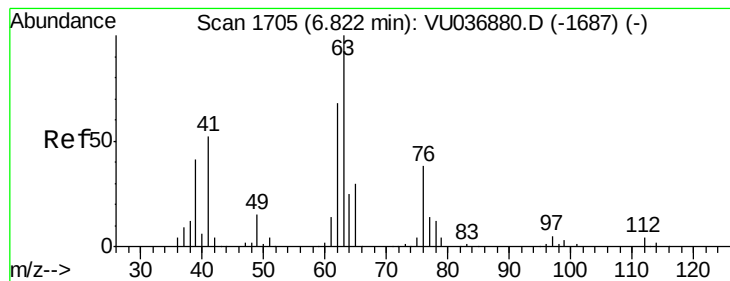
#35
 Methylcyclohexane
 Concen: 56.298 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU036880.D
 Acq: 24 Feb 2020 13:15

Tgt Ion: 83 Resp: 181271
 Ion Ratio Lower Upper
 83 100
 55 78.2 62.6 93.8
 98 43.9 35.1 52.7



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 54.754 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

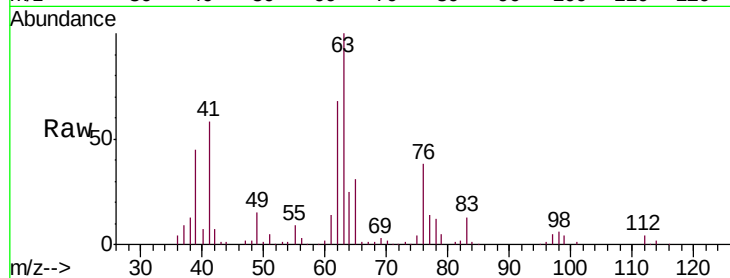
VSTD05034

Tgt Ion: 63 Resp: 111702

Ion Ratio Lower Upper

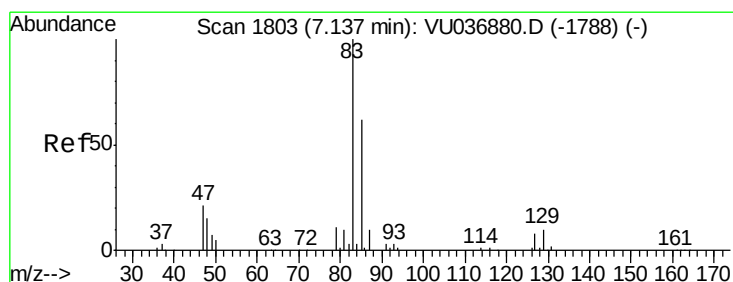
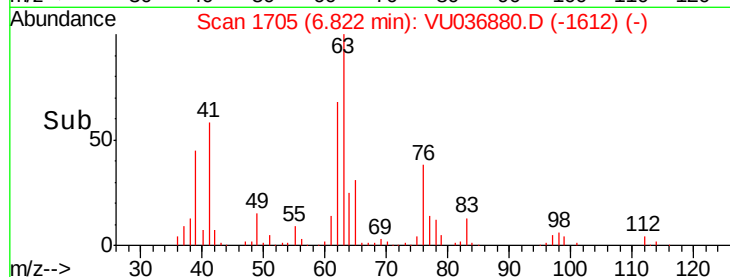
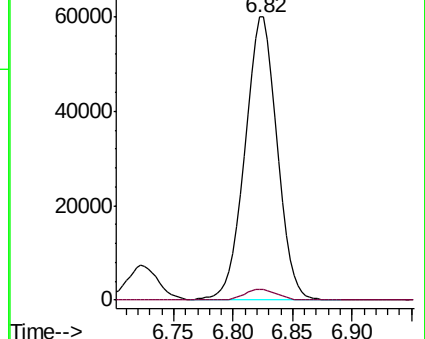
63 100

112 3.8 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU036880.D (-1687) (-)

Ion 112.00 (111.70 to 112.70): VU036880.D (-1687) (-)



#38

Bromodichloromethane

Concen: 49.295 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

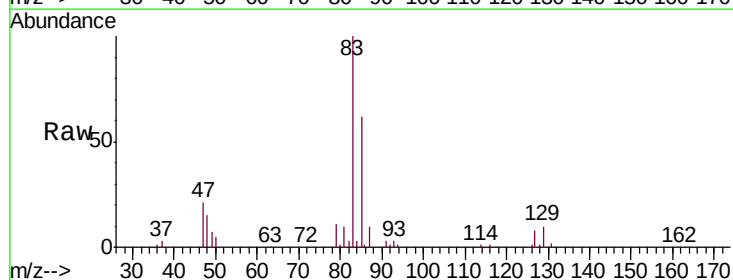
Tgt Ion: 83 Resp: 134184

Ion Ratio Lower Upper

83 100

85 62.3 43.6 81.0

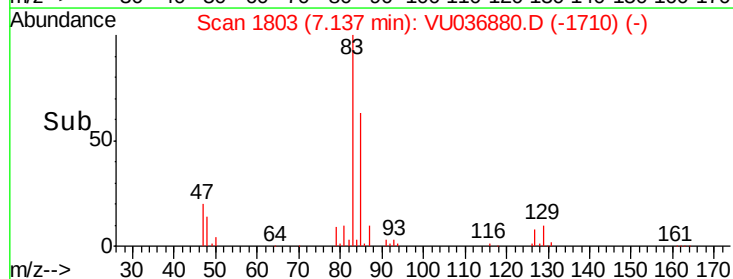
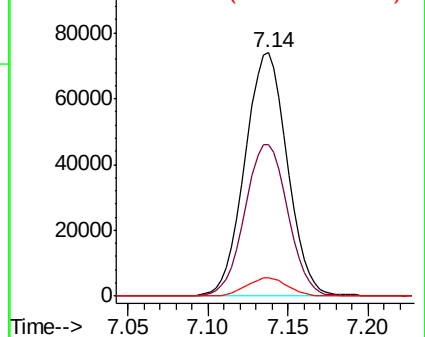
127 7.5 6.0 9.0

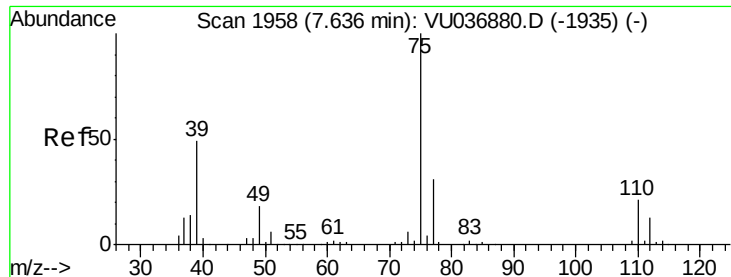


Abundance Ion 83.00 (82.70 to 83.70): VU036880.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU036880.D (-1788) (-)

Ion 127.00 (126.70 to 127.70): VU036880.D (-1788) (-)

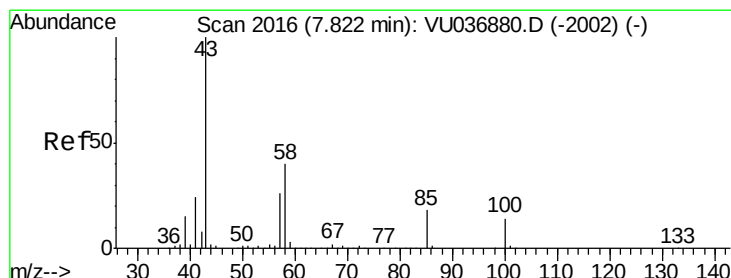
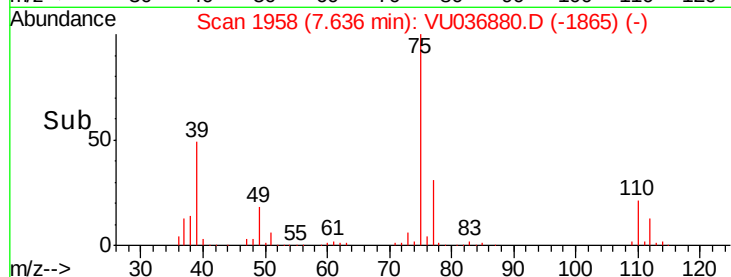
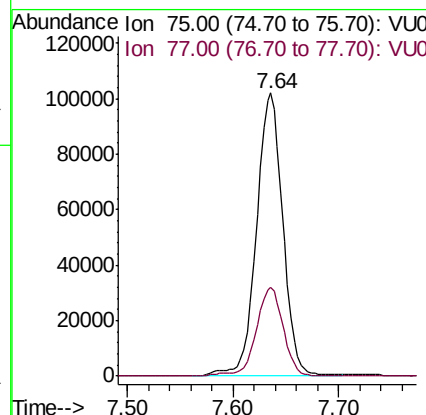
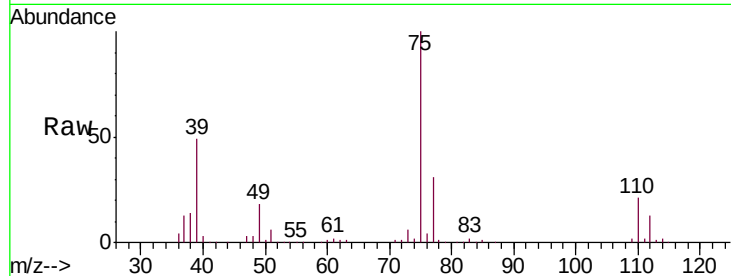




#39
 cis-1,3-Dichloropropene
 Concen: 54.588 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU036880.D
 Acq: 24 Feb 2020 13:15

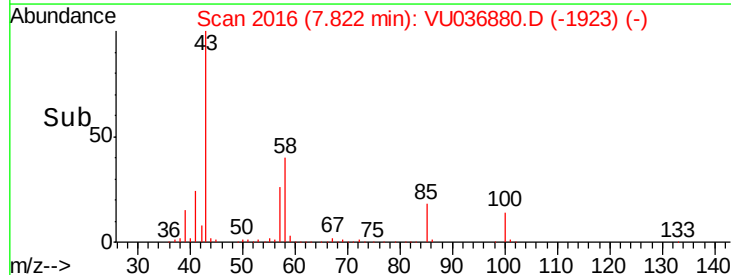
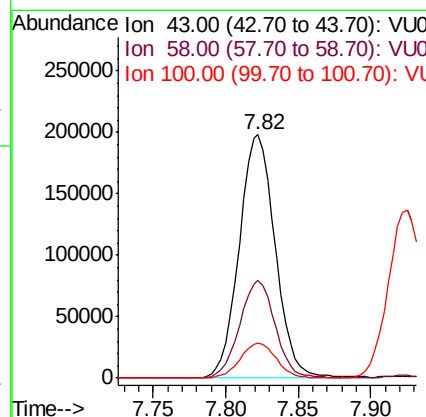
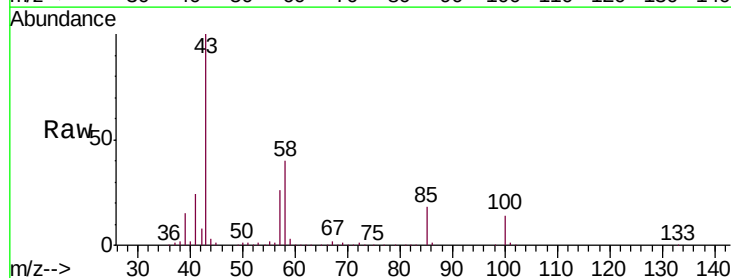
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

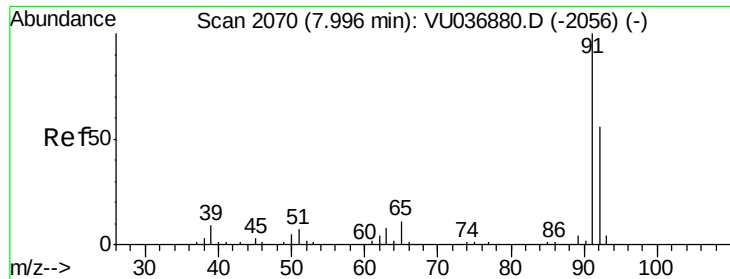
Tgt Ion: 75 Resp: 178617
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 105.118 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU036880.D
 Acq: 24 Feb 2020 13:15

Tgt Ion: 43 Resp: 341923
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.8 47.6
 100 14.4 11.5 17.3





#42

Toluene

Concen: 54.710 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

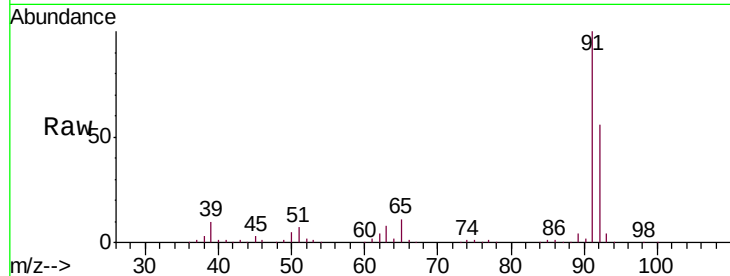
VSTD05034

Tgt Ion: 91 Resp: 455351

Ion Ratio Lower Upper

91 100

92 56.3 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU036880.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU036880.D (-2056) (-)

8.00

250000

200000

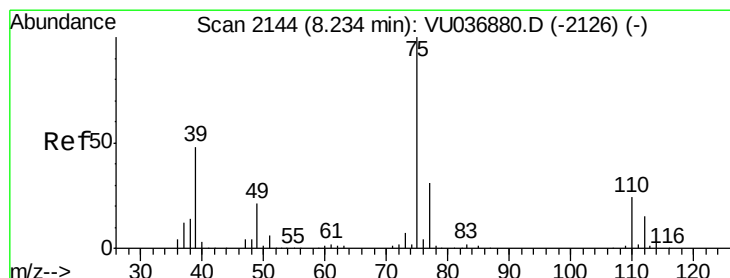
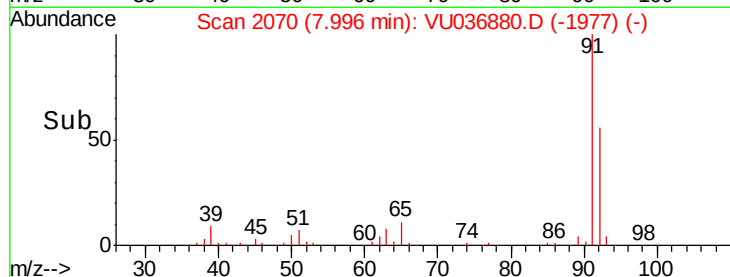
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 51.493 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU036880.D

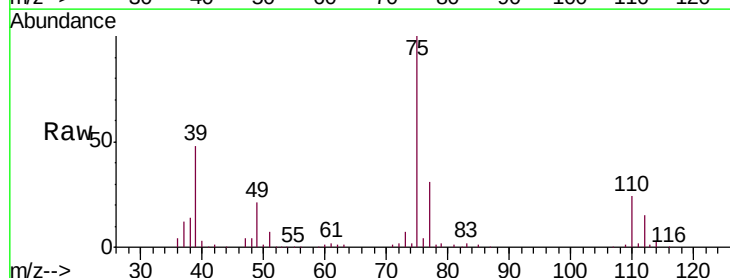
Acq: 24 Feb 2020 13:15

Tgt Ion: 75 Resp: 153639

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU036880.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU036880.D (-2126) (-)

8.23

100000

80000

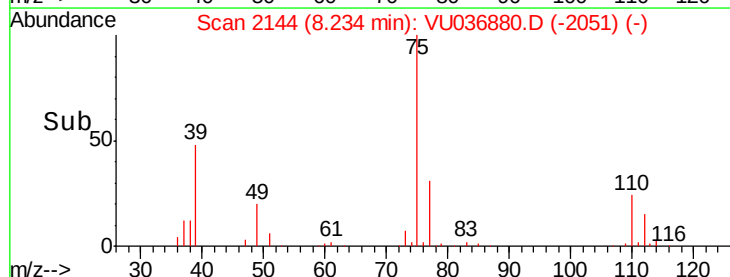
60000

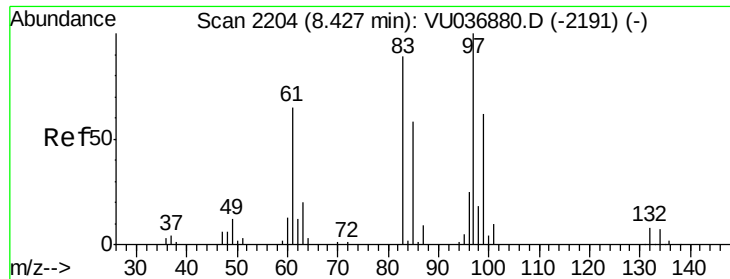
40000

20000

0

Time--> 8.15 8.20 8.25 8.30

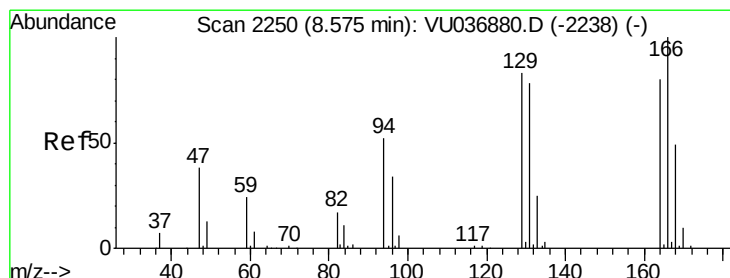
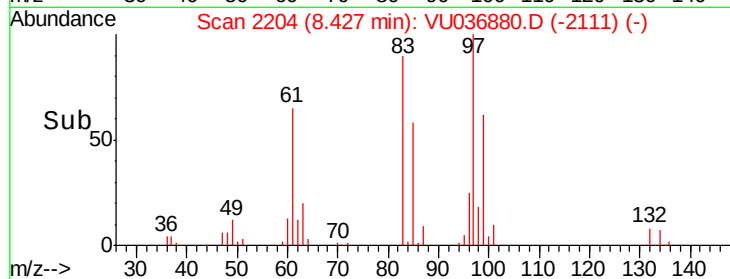
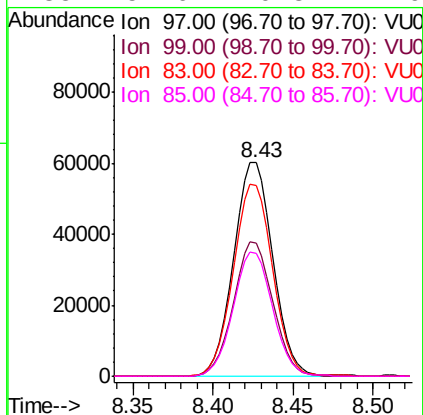
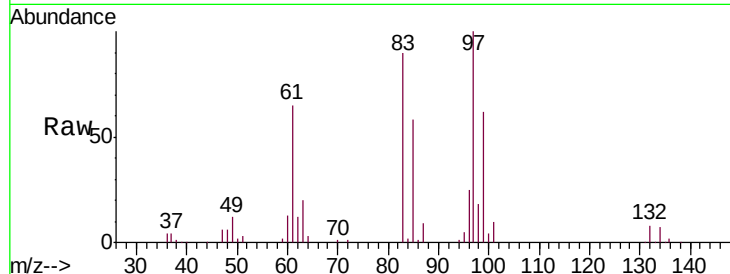




#45
 1,1,2-Trichloroethane
 Concen: 52.352 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU036880.D
 Acq: 24 Feb 2020 13:15

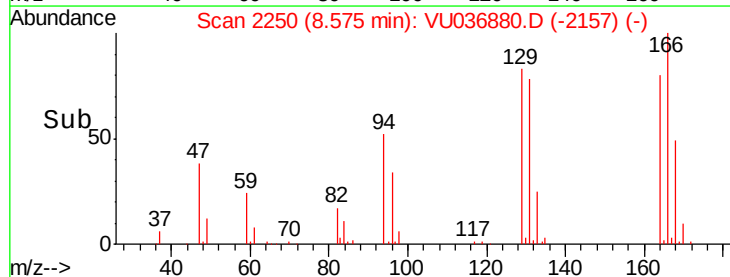
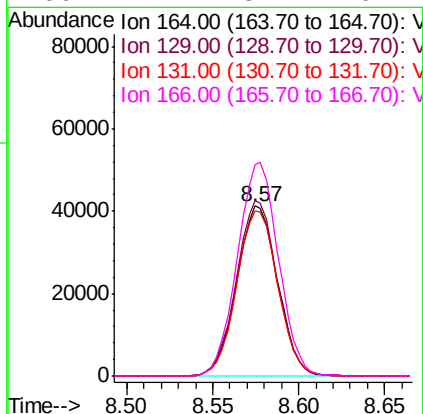
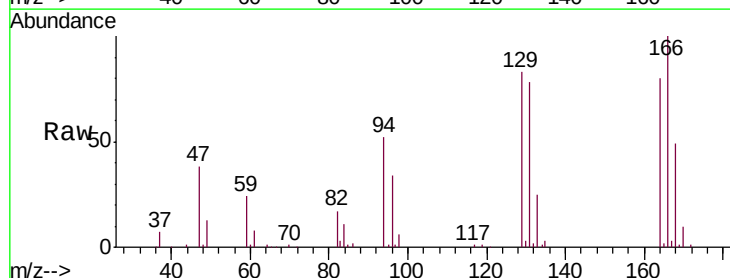
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

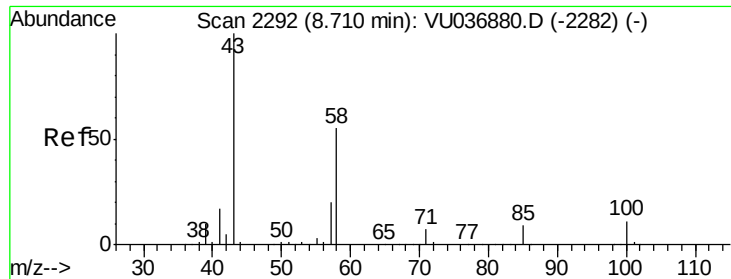
Tgt Ion:	97	Resp:	100897
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.6	81.0
83	89.6	62.7	116.5
85	57.6	40.3	74.9



#46
 Tetrachloroethene
 Concen: 50.238 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU036880.D
 Acq: 24 Feb 2020 13:15

Tgt Ion:	164	Resp:	68243
Ion	Ratio	Lower	Upper
164	100		
129	102.9	72.0	133.8
131	97.0	67.9	126.1
166	124.4	87.1	161.7

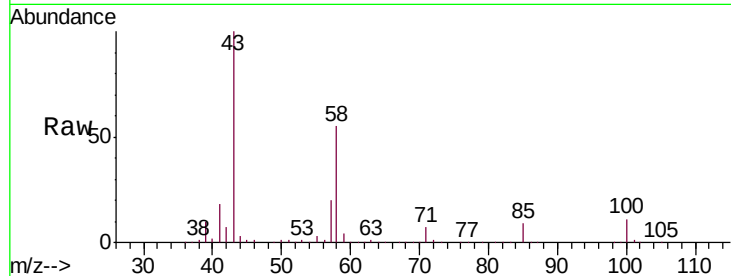




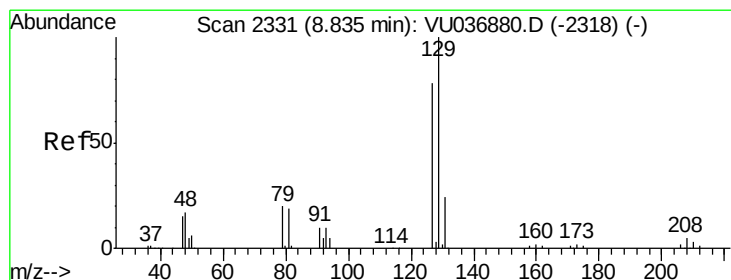
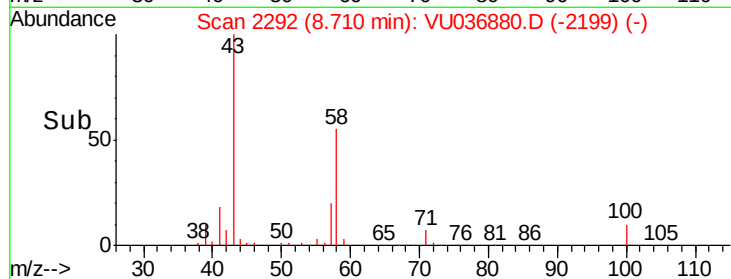
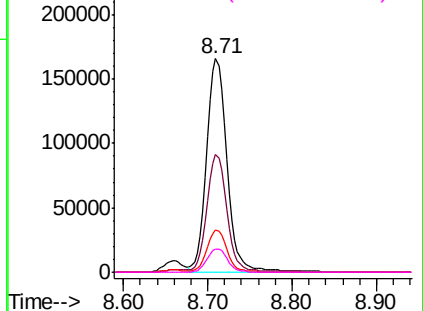
#48
2-Hexanone
Concen: 108.548 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU036880.D
Acq: 24 Feb 2020 13:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Tgt Ion: 43 Resp: 281284
Ion Ratio Lower Upper
43 100
58 54.4 43.5 65.3
57 18.9 15.1 22.7
100 10.9 8.7 13.1

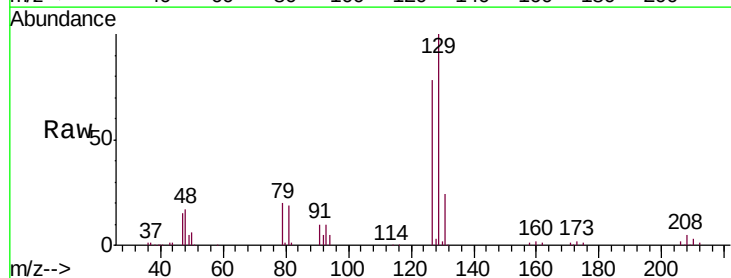


Abundance Ion 43.00 (42.70 to 43.70): VU036880.D (-2282) (-)
Ion 58.00 (57.70 to 58.70): VU036880.D (-2282) (-)
Ion 57.00 (56.70 to 57.70): VU036880.D (-2282) (-)
Ion 100.00 (99.70 to 100.70): VU036880.D (-2282) (-)

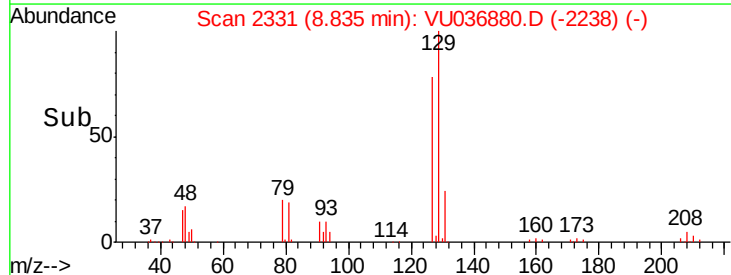
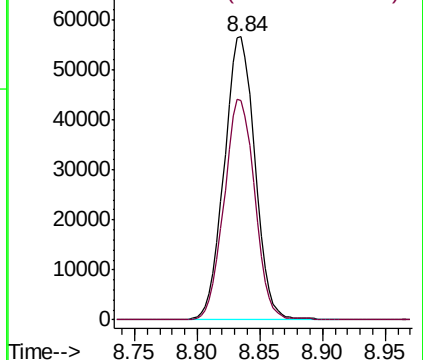


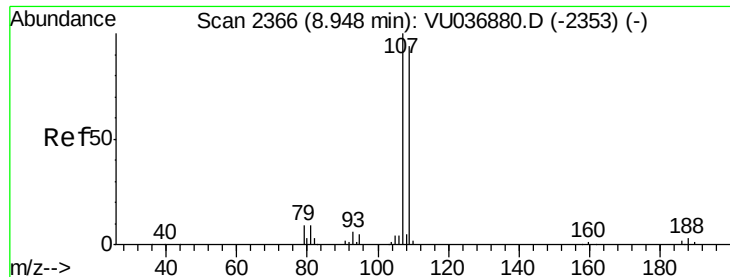
#49
Dibromochloromethane
Concen: 46.697 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU036880.D
Acq: 24 Feb 2020 13:15

Tgt Ion: 129 Resp: 96590
Ion Ratio Lower Upper
129 100
127 77.5 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VU036880.D (-2318) (-)
Ion 127.00 (126.70 to 127.70): VU036880.D (-2318) (-)

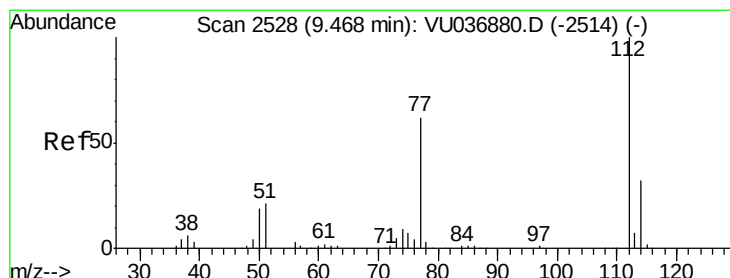
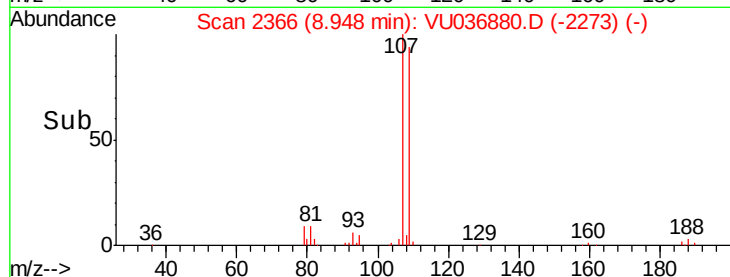
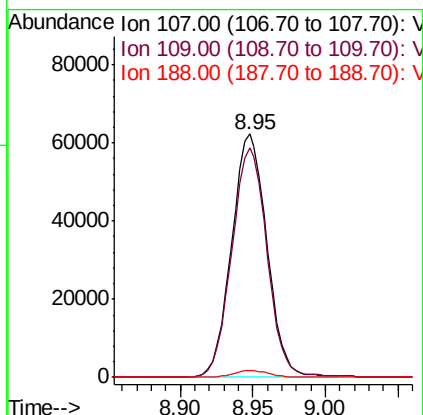
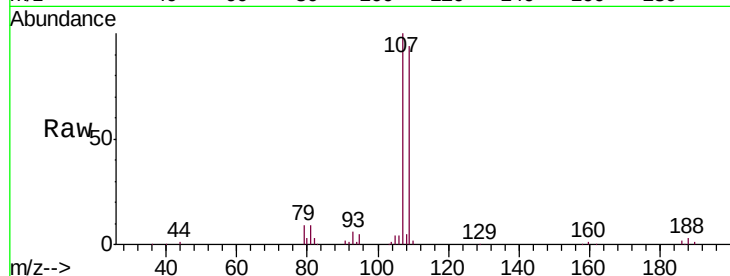




#50
1,2-Dibromoethane
Concen: 49.229 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU036880.D
Acq: 24 Feb 2020 13:15

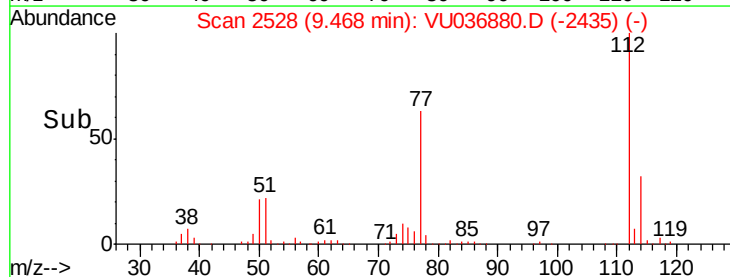
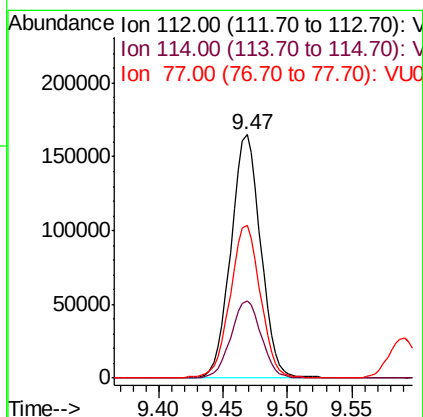
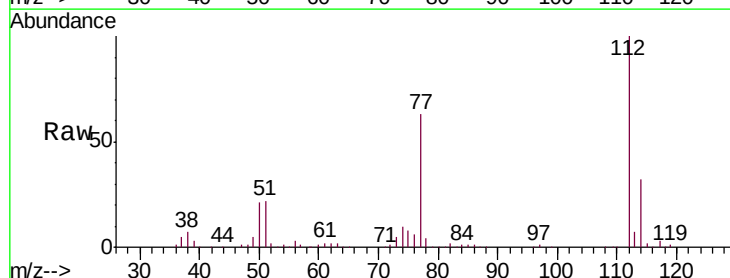
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

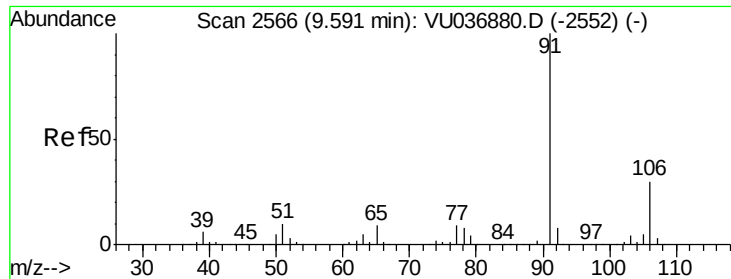
Tgt Ion:107 Resp: 105314
Ion Ratio Lower Upper
107 100
109 94.2 65.9 122.5
188 2.7 2.2 3.2



#51
Chlorobenzene
Concen: 51.473 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU036880.D
Acq: 24 Feb 2020 13:15

Tgt Ion:112 Resp: 265593
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 62.6 50.1 75.1





#52

Ethylbenzene

Concen: 52.939 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

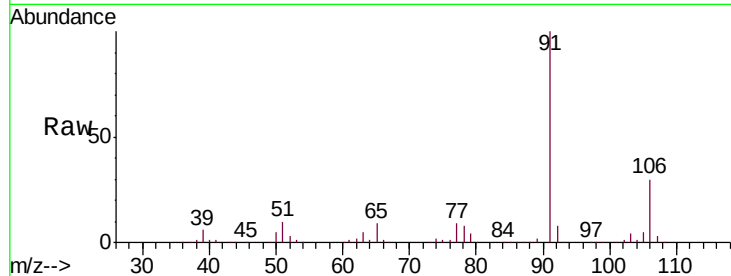
VSTD05034

Tgt Ion: 91 Resp: 488078

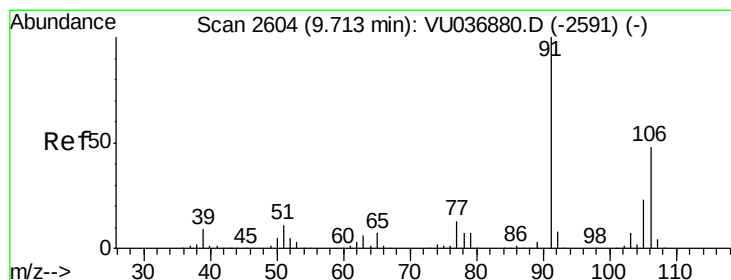
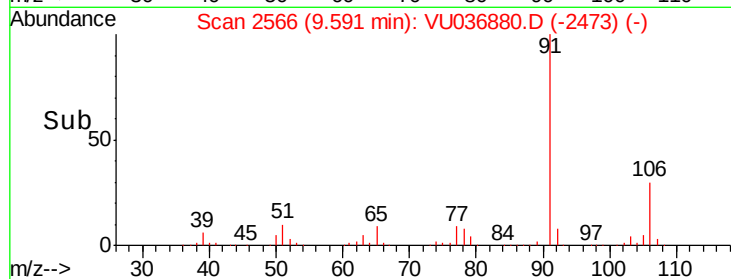
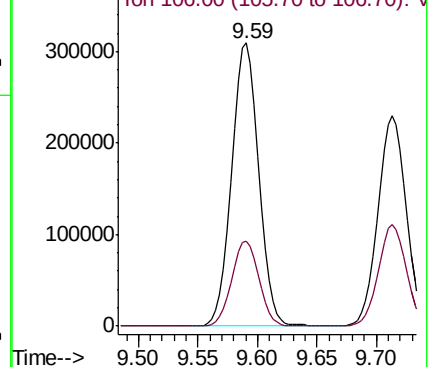
Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU036880.D (-2552) (-)



#53

m,p-Xylene

Concen: 52.310 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU036880.D

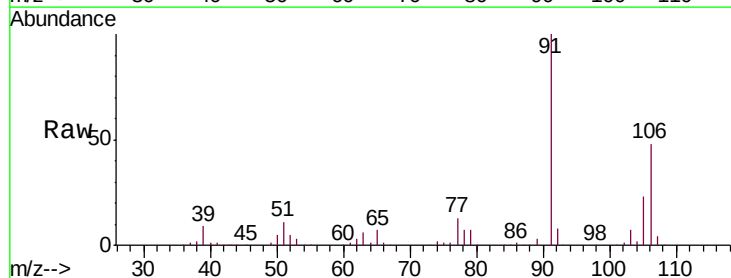
Acq: 24 Feb 2020 13:15

Tgt Ion: 106 Resp: 180042

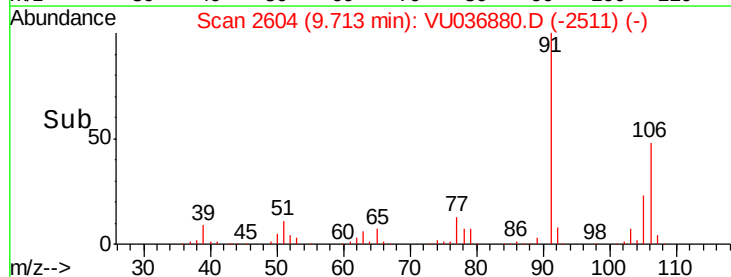
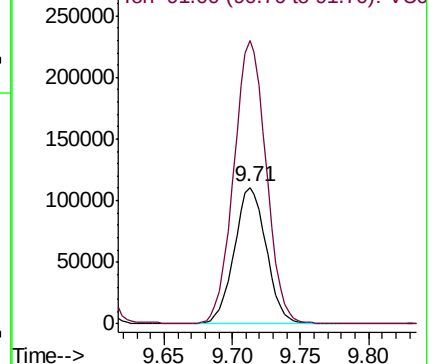
Ion Ratio Lower Upper

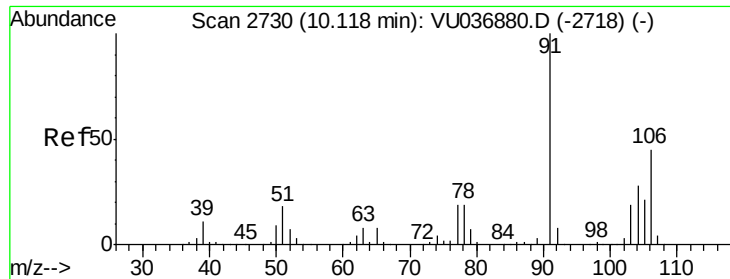
106 100

91 207.6 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VU036880.D (-2591) (-)





#54

o-xylene

Concen: 52.130 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

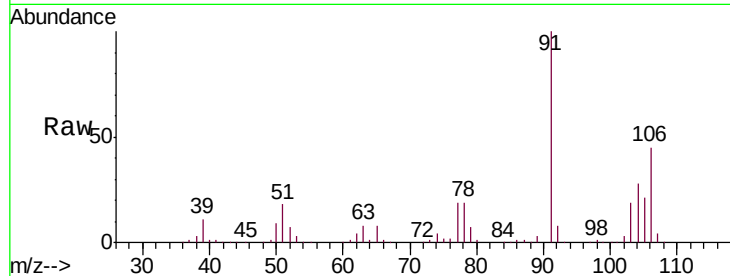
VSTD05034

Tgt Ion:106 Resp: 179057

Ion Ratio Lower Upper

106 100

91 220.3 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

300000

250000

200000

150000

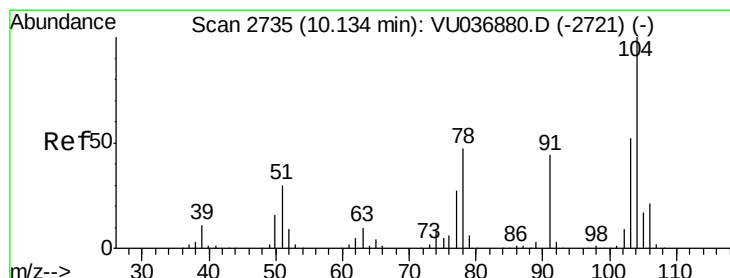
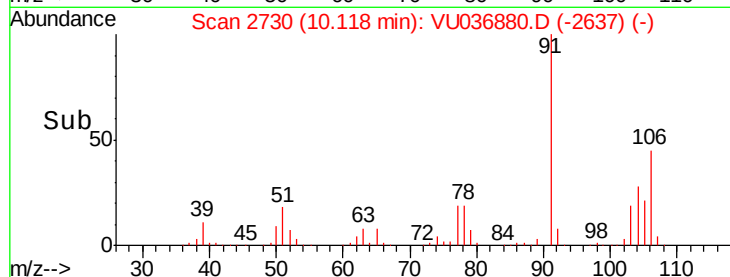
100000

50000

0

10.05 10.10 10.15 10.20

Time-->



#55

Styrene

Concen: 53.285 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU036880.D

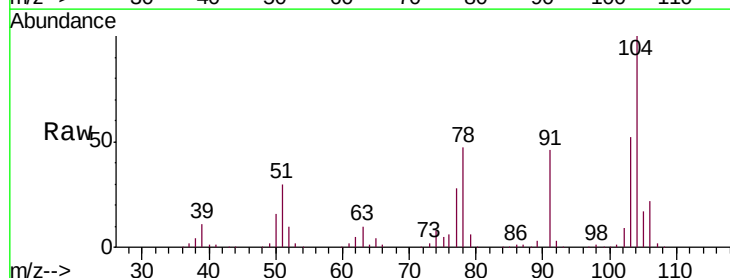
Acq: 24 Feb 2020 13:15

Tgt Ion:104 Resp: 296021

Ion Ratio Lower Upper

104 100

78 47.2 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

200000

150000

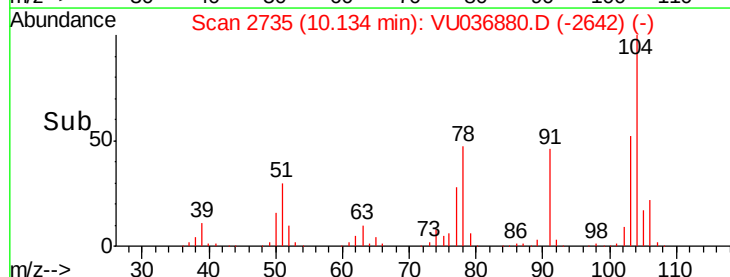
100000

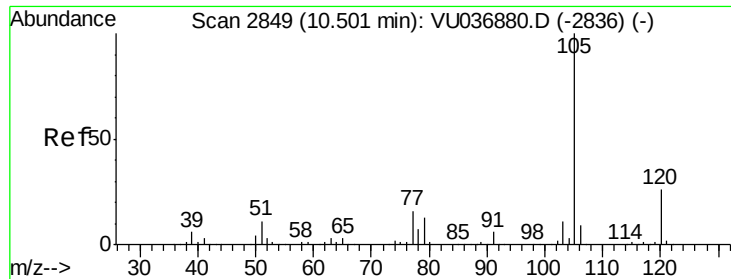
50000

0

10.10 10.15 10.20

Time-->





#56

Isopropylbenzene

Concen: 52.433 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

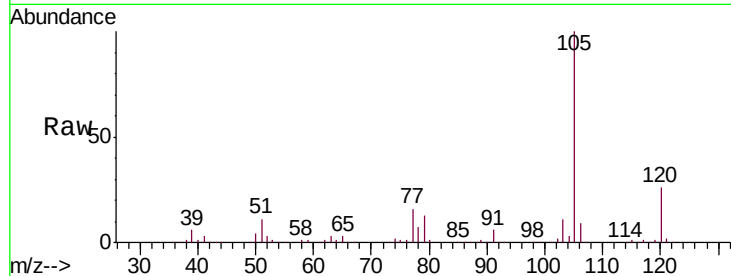
Tgt Ion: 105 Resp: 460795

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

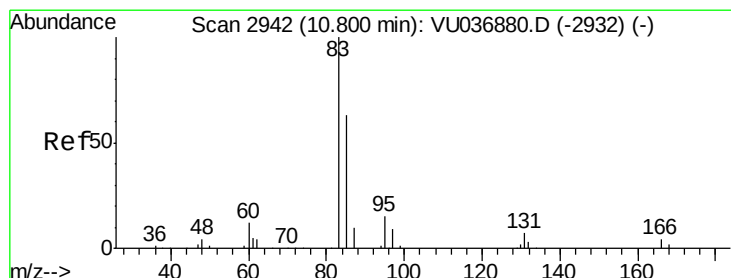
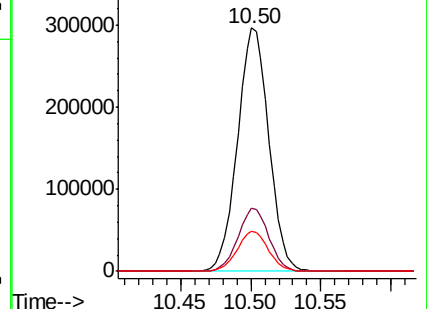
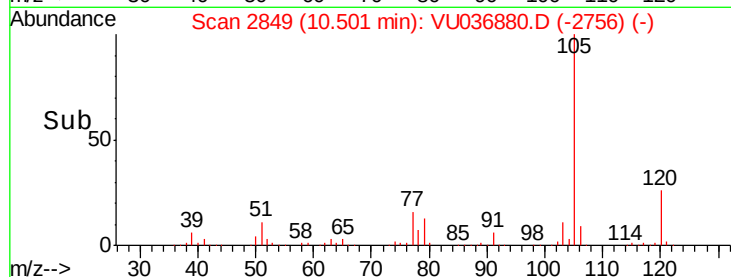
77 16.4 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 53.636 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

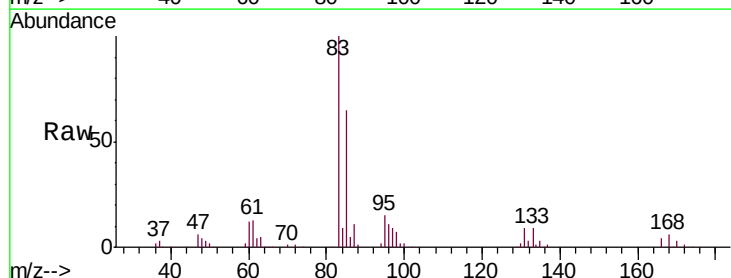
Tgt Ion: 83 Resp: 179395

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5

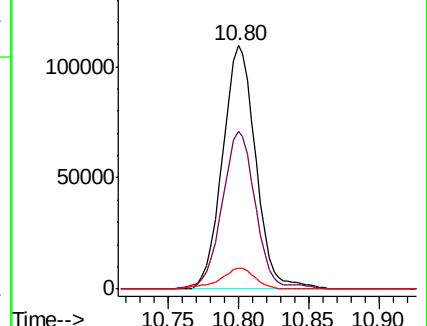
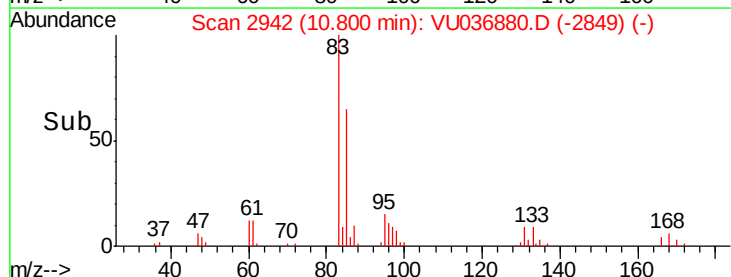
131 8.5 6.8 10.2

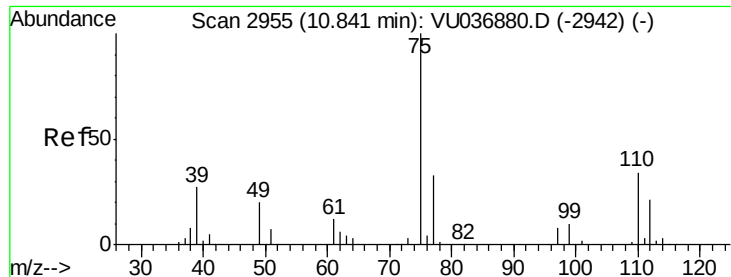


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.051 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

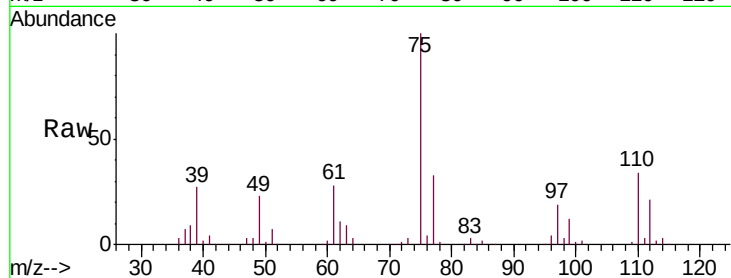
VSTD05034

Tgt Ion: 75 Resp: 144320

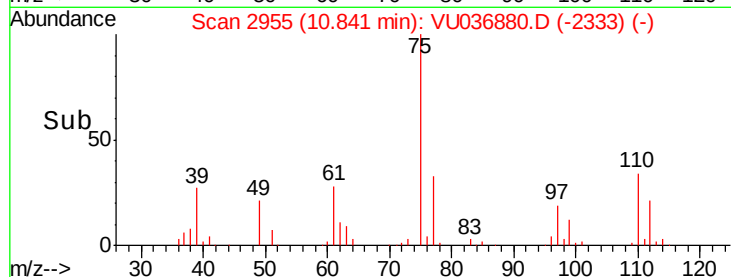
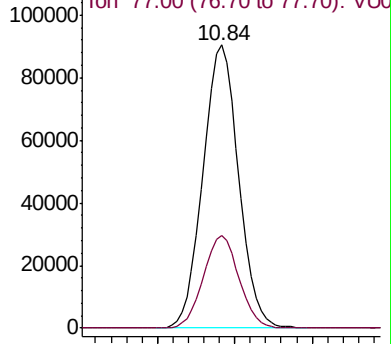
Ion Ratio Lower Upper

75 100

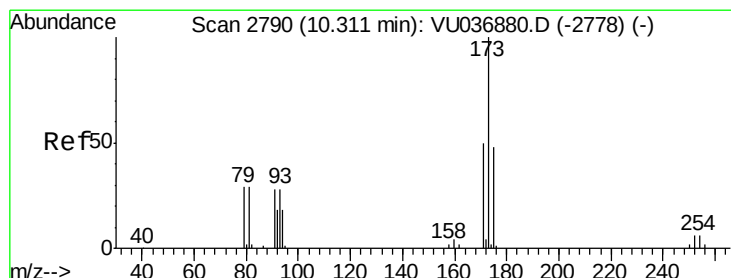
77 32.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU036880.D (-2942) (-)



Time-->



#61

Bromoform

Concen: 43.095 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

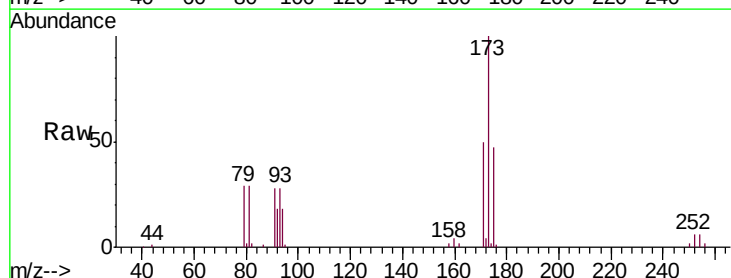
Tgt Ion: 173 Resp: 66209

Ion Ratio Lower Upper

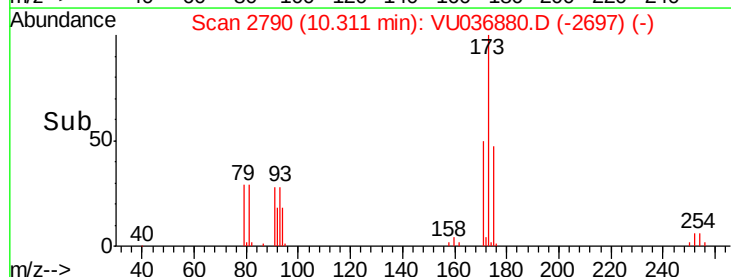
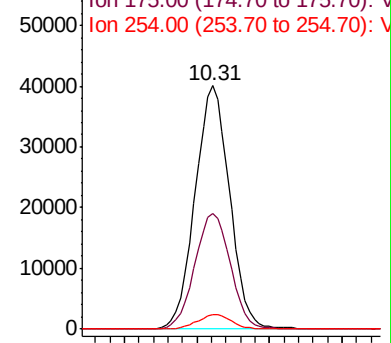
173 100

175 48.8 39.0 58.6

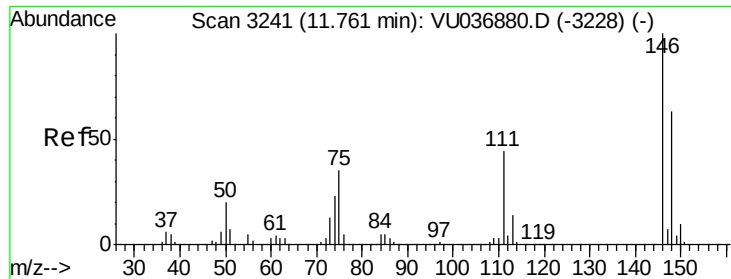
254 5.7 4.6 6.8



Abundance Ion 173.00 (172.70 to 173.70): VU036880.D (-2778) (-)



Time-->



#62

1,3-Dichlorobenzene

Concen: 51.072 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

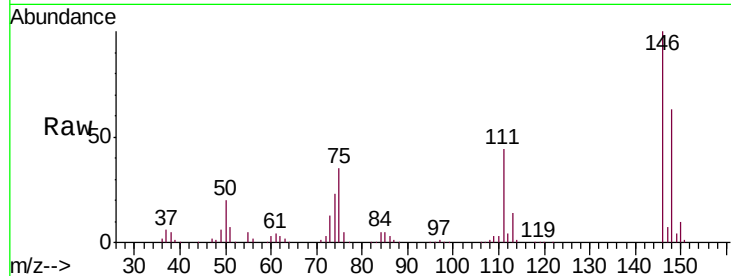
Tgt Ion:146 Resp: 188168

Ion Ratio Lower Upper

146 100

111 43.8 30.7 56.9

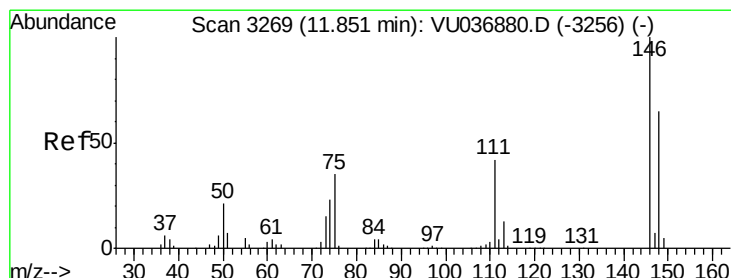
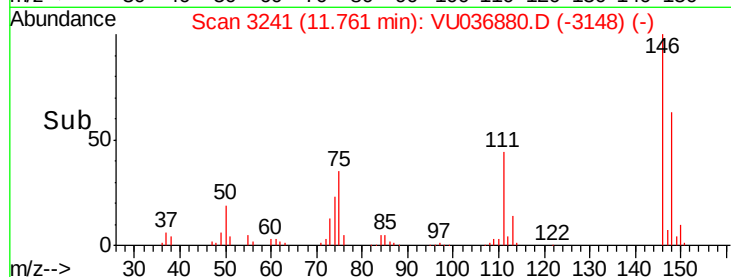
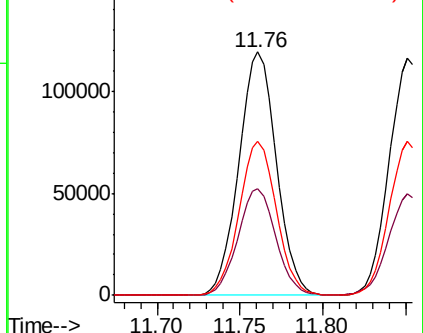
148 63.2 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.273 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

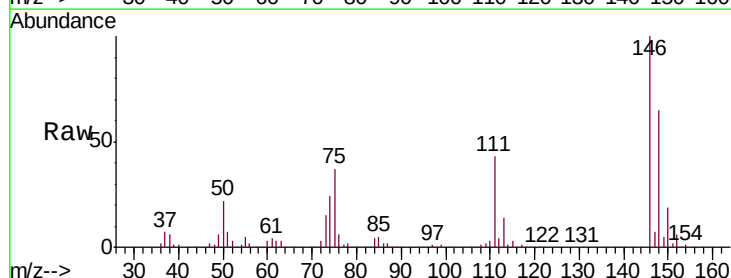
Tgt Ion:146 Resp: 184793

Ion Ratio Lower Upper

146 100

111 42.6 29.8 55.4

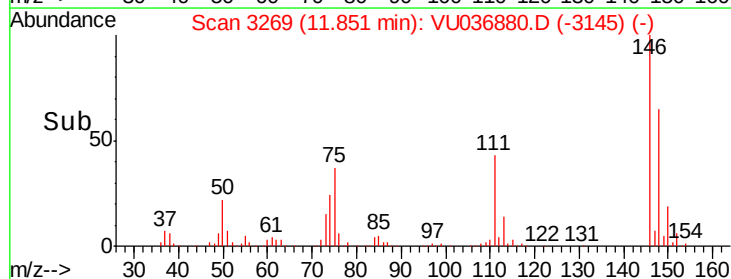
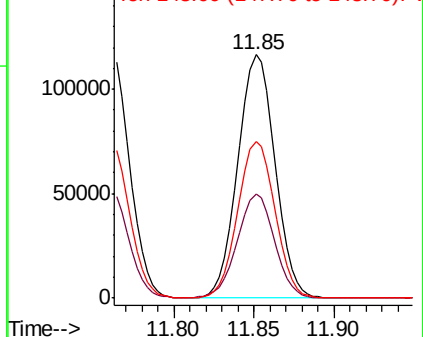
148 64.5 45.1 83.9

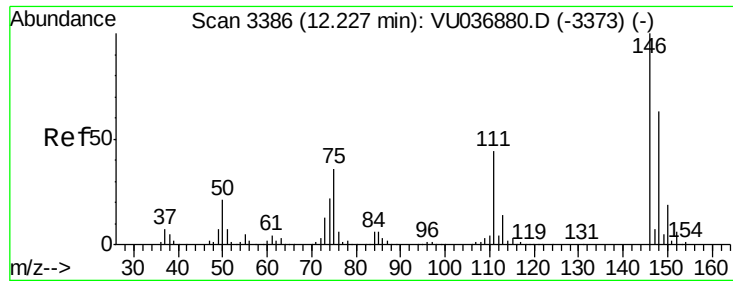


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

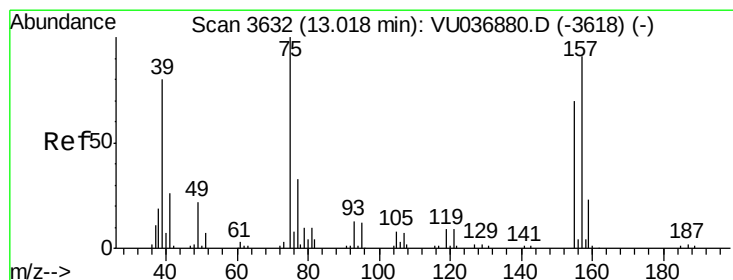
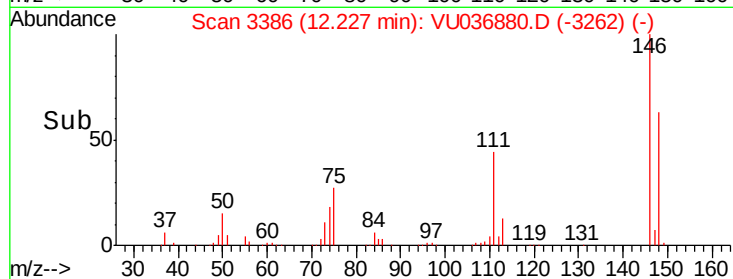
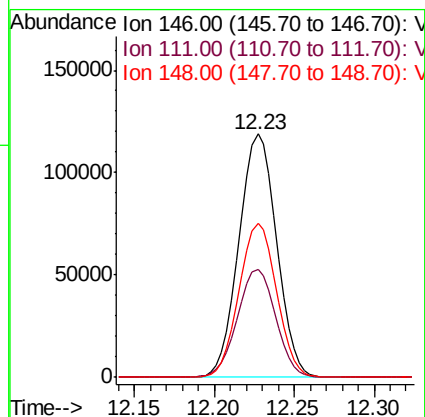
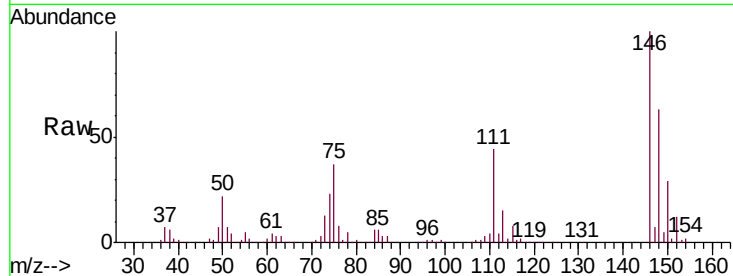




#65
 1,2-Dichlorobenzene
 Concen: 52.417 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU036880.D
 Acq: 24 Feb 2020 13:15

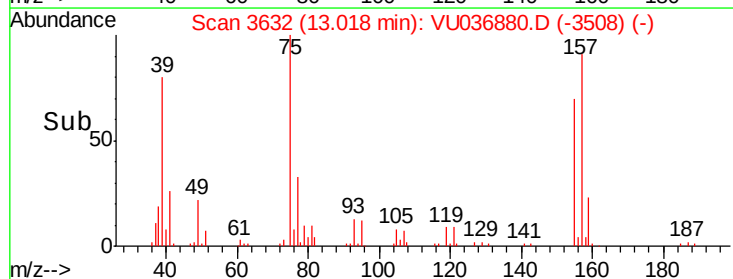
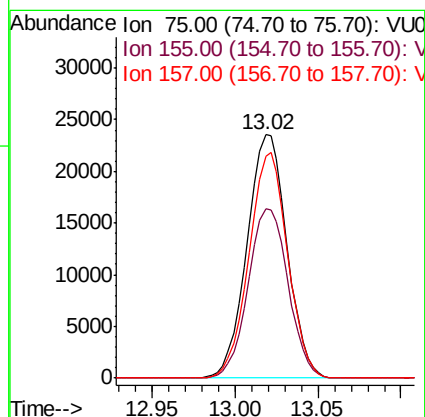
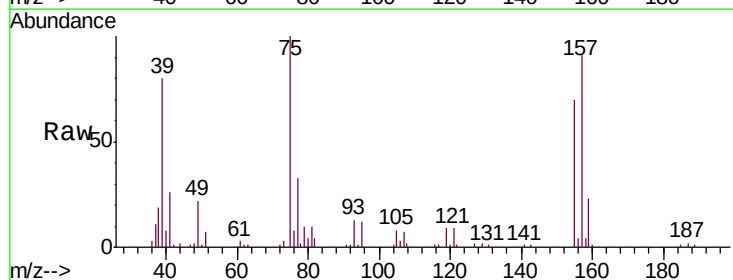
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

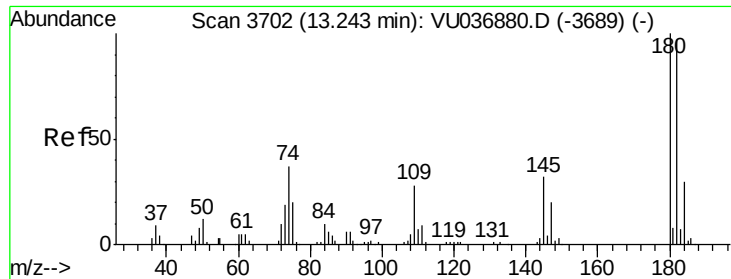
Tgt Ion: 146 Resp: 190807
 Ion Ratio Lower Upper
 146 100
 111 44.2 35.4 53.0
 148 63.1 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.517 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036880.D
 Acq: 24 Feb 2020 13:15

Tgt Ion: 75 Resp: 39319
 Ion Ratio Lower Upper
 75 100
 155 69.6 55.7 83.5
 157 91.3 73.0 109.6

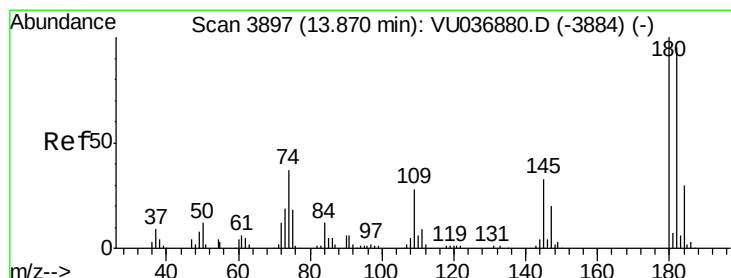
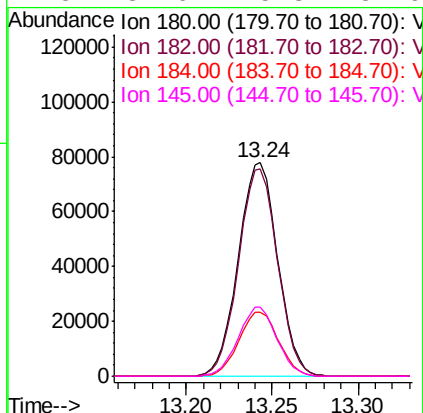
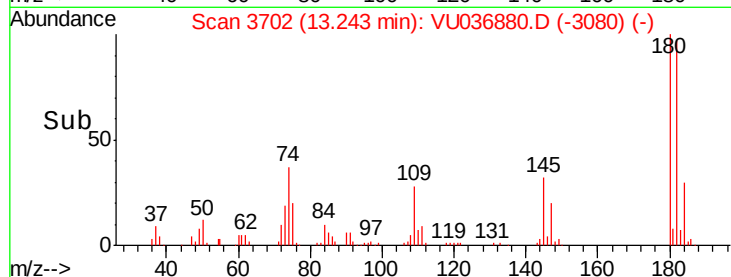
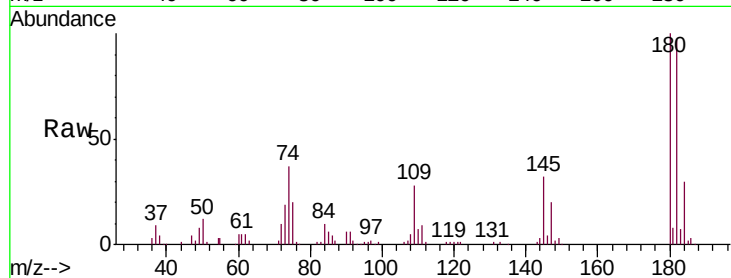




#67
 1,3,5-Trichlorobenzene
 Concen: 54.879 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU036880.D
 Acq: 24 Feb 2020 13:15

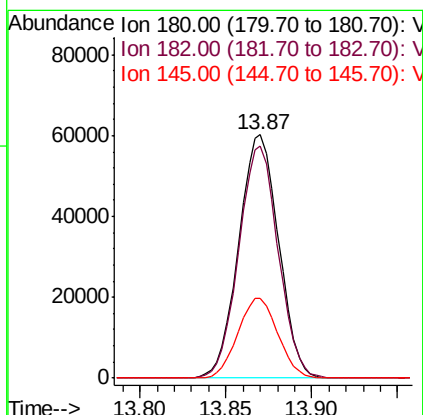
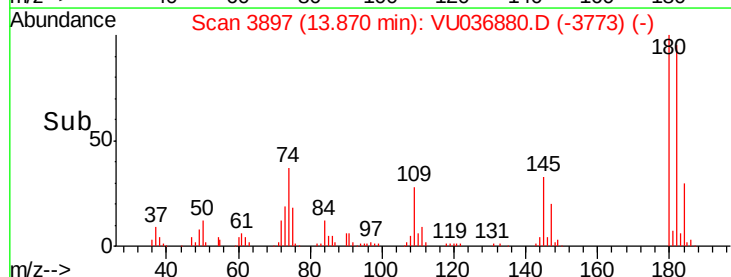
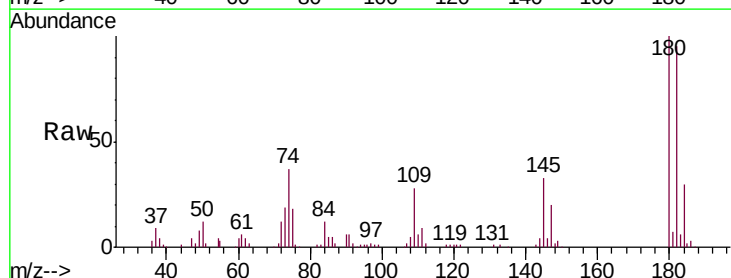
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

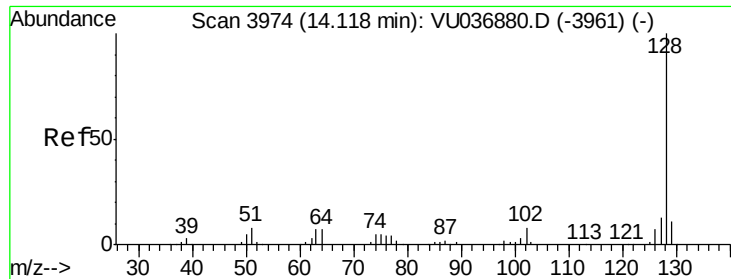
Tgt Ion:	180	Resp:	123939
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
184	30.2	24.2	36.2
145	31.6	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 57.733 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU036880.D
 Acq: 24 Feb 2020 13:15

Tgt Ion:	180	Resp:	97014
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.3	112.9
145	32.8	26.2	39.4





#69

Naphthalene

Concen: 32.709 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

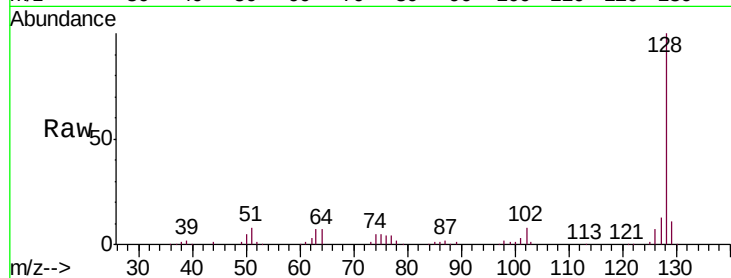
Tgt Ion:128 Resp: 166705

Ion Ratio Lower Upper

128 100

127 13.7 11.0 16.4

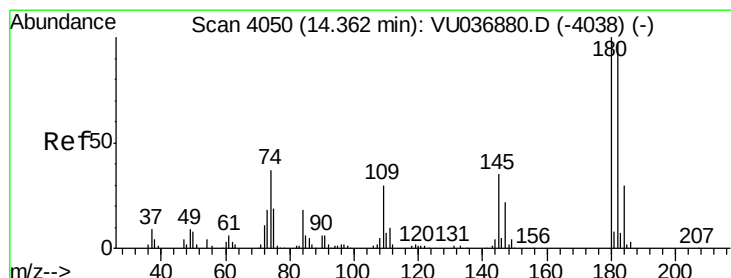
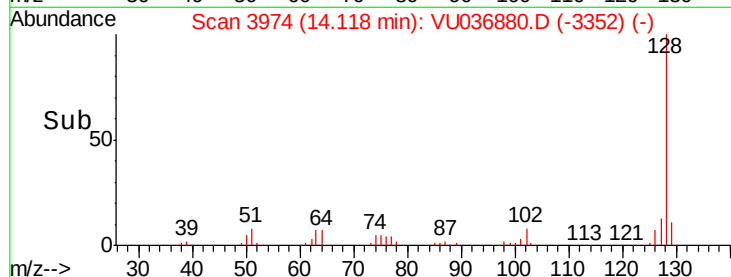
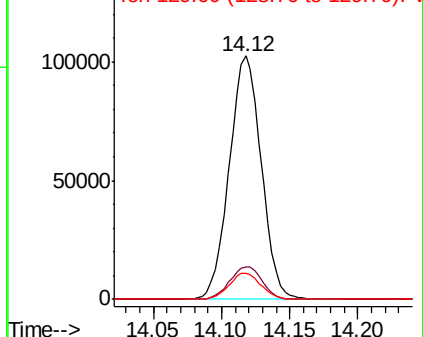
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 55.416 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU036880.D

Acq: 24 Feb 2020 13:15

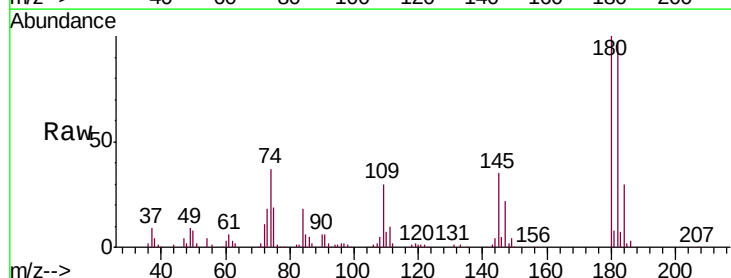
Tgt Ion:180 Resp: 96522

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 35.1 28.1 42.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

