

Data File : VU036881.D
Acq On : 24 Feb 2020 13:38
Operator : JC/MD
Sample : VSTD10035
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

Quant Time: Feb 25 00:33:19 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	275324	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	261357	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	117976	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	243338	127.22	ug/L	0.00
7) Chloroethane-d5	1.92	69	201718	123.17	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	401932	113.56	ug/L	0.00
21) 2-Butanone-d5	4.67	46	342328	219.24	ug/L	0.00
24) Chloroform-d	5.11	84	381340	106.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	250580	105.44	ug/L	0.00
32) Benzene-d6	5.76	84	799329	113.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	260495	113.79	ug/L	0.00
41) Toluene-d8	7.93	98	741311	111.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	126269	105.49	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	276593	239.27	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	374918	110.79	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	243202	104.66	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	235081	93.939	ug/L	99
3) Chloromethane	1.54	50	274682	116.901	ug/L	100
5) Vinyl chloride	1.62	62	282697	119.236	ug/L	100
6) Bromomethane	1.86	94	148042	107.208	ug/L	99
8) Chloroethane	1.94	64	166108	117.607	ug/L	100
9) Trichlorofluoromethane	2.15	101	293024	95.641	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	175727	106.225	ug/L	99
12) 1,1-Dichloroethene	2.60	96	179875	109.109	ug/L	93
13) Acetone	2.66	43	307416	184.542	ug/L	99
14) Carbon disulfide	2.82	76	569756	106.962	ug/L	100
15) Methyl Acetate	2.98	43	247705	109.877	ug/L	99
16) Methylene chloride	3.08	84	215872	106.527	ug/L	100
17) trans-1,2-Dichloroethene	3.39	96	191657	105.998	ug/L	100
18) Methyl tert-butyl Ether	3.40	73	630889	103.662	ug/L	99
19) 1,1-Dichloroethane	3.91	63	373120	109.008	ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	216955	105.864	ug/L	98
22) 2-Butanone	4.75	43	397135	208.591	ug/L	100
23) Bromochloromethane	5.02	128	98537	100.247	ug/L	97
25) Chloroform	5.13	83	356237	99.381	ug/L	99
27) 1,2-Dichloroethane	5.83	62	293547	102.735	ug/L	99
29) Cyclohexane	5.42	56	352270	109.795	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	282061	92.899	ug/L	98
31) Carbon tetrachloride	5.56	117	226816	89.220	ug/L	98
33) Benzene	5.81	78	834901	109.187	ug/L	100
34) Trichloroethene	6.57	95	205183	101.479	ug/L	99
35) Methylcyclohexane	6.79	83	360179	112.507	ug/L	99
37) 1,2-Dichloropropane	6.82	63	223455	110.164	ug/L	99
38) Bromodichloromethane	7.13	83	268049	99.040	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	361206	111.026	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	692560	214.141	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	898723	108.602	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	316763	106.776	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	198785	103.737	ug/L	99
46) Tetrachloroethene	8.57	164	133192	98.615	ug/L	97
48) 2-Hexanone	8.71	43	553321	214.757	ug/L	99
49) Dibromochloromethane	8.84	129	195461	95.041	ug/L	99
50) 1,2-Dibromoethane	8.95	107	211704	99.532	ug/L	100
51) Chlorobenzene	9.47	112	526653	102.655	ug/L	98
52) Ethylbenzene	9.59	91	983012	107.235	ug/L	100
53) m,p-Xylene	9.71	106	361936	105.763	ug/L	98
54) o-xylene	10.12	106	360004	105.414	ug/L	99
55) Styrene	10.13	104	609678	110.377	ug/L	100
56) Isopropylbenzene	10.50	105	932242	106.690	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	363008	109.158	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	293215	106.361	ug/L	98
61) Bromoform	10.31	173	138397	88.915	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	384209	102.931	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	379540	101.918	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	385740	104.595	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	80766	100.397	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	262564	114.754	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	218821	128.535	ug/L	99
69) Naphthalene	14.12	128	400199	77.506	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	217945	123.507	ug/L	99

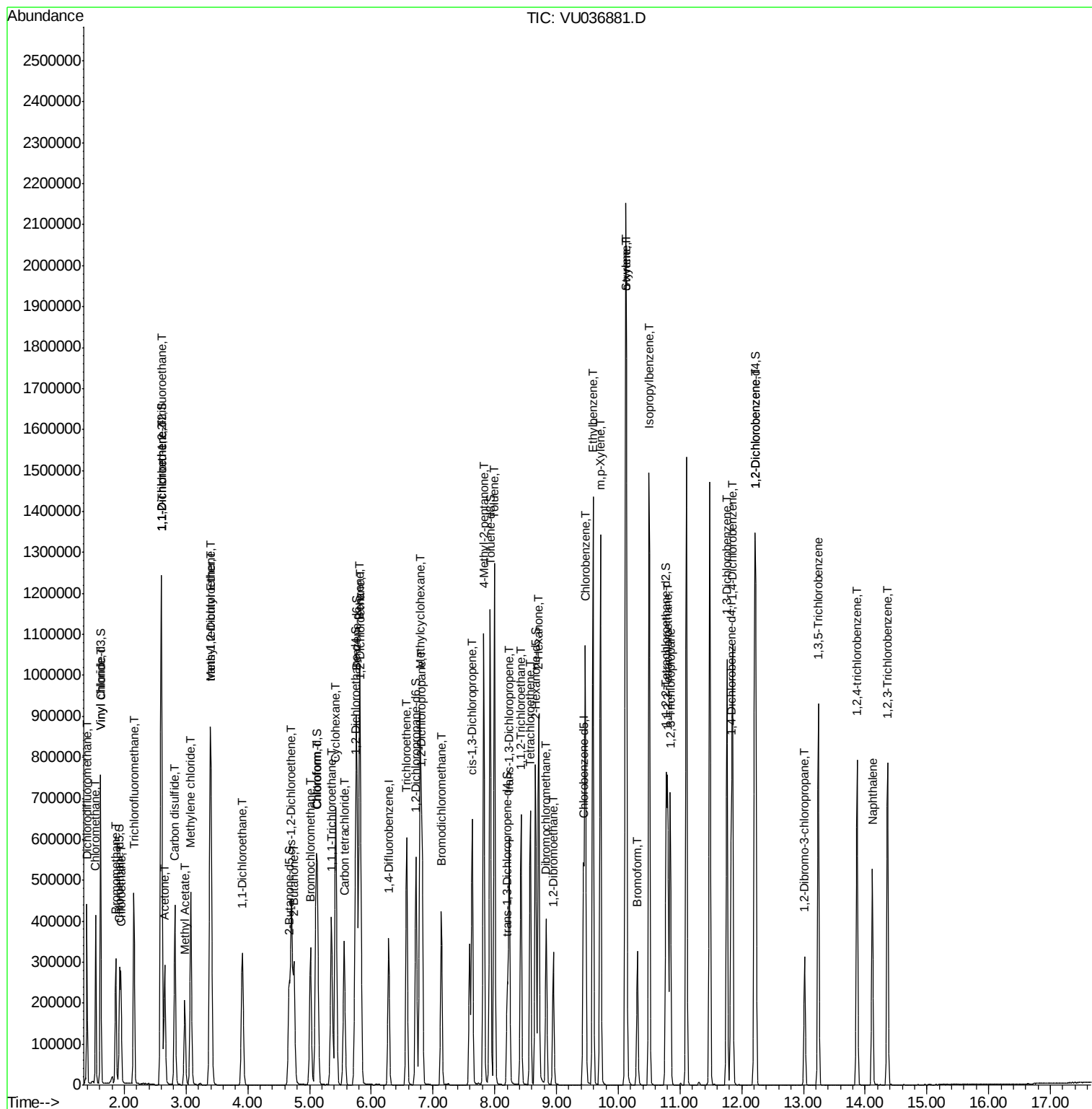
(#) = qualifier out of range (m) = manual integration (+) = signals summed

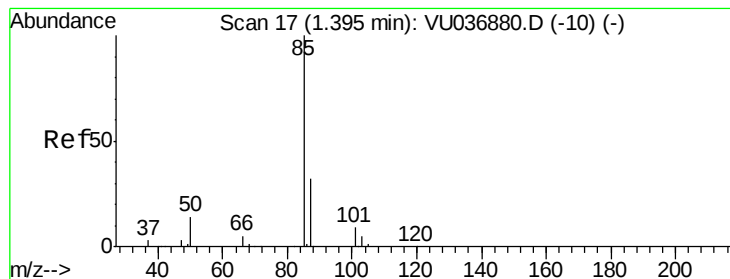
Data File : VU036881.D

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#2

Dichlorodifluoromethane

Concen: 93.939 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

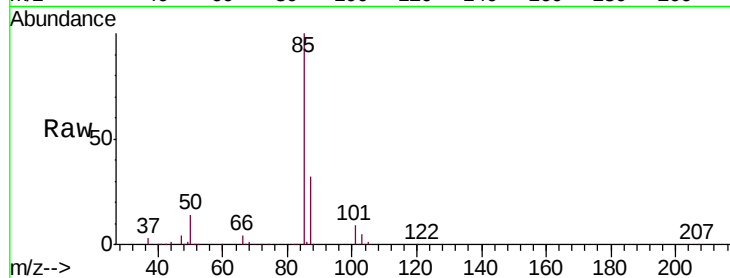
VSTD10035

Tgt Ion: 85 Resp: 235081

Ion Ratio Lower Upper

85 100

87 31.9 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) (-)

1.39

250000

200000

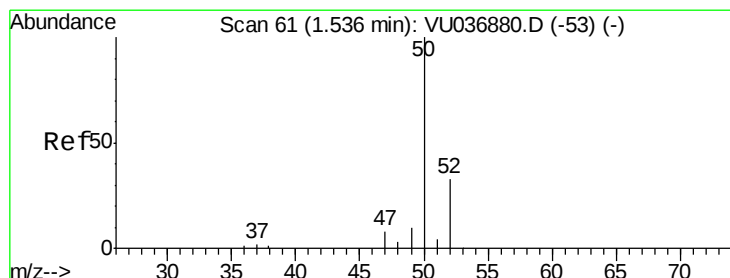
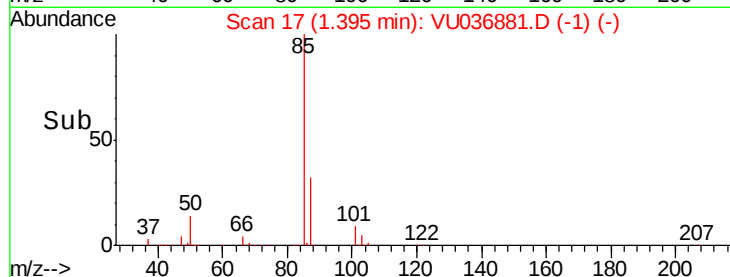
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 116.901 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036881.D

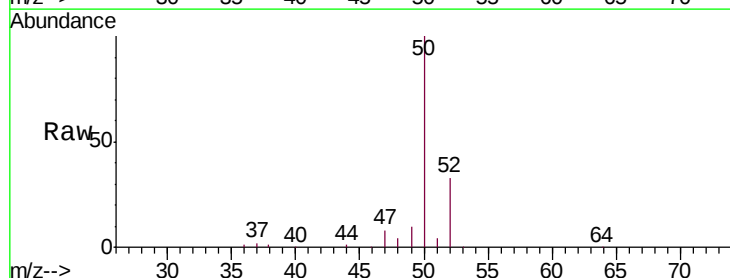
Acq: 24 Feb 2020 13:38

Tgt Ion: 50 Resp: 274682

Ion Ratio Lower Upper

50 100

52 32.7 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) (-)

1.54

300000

250000

200000

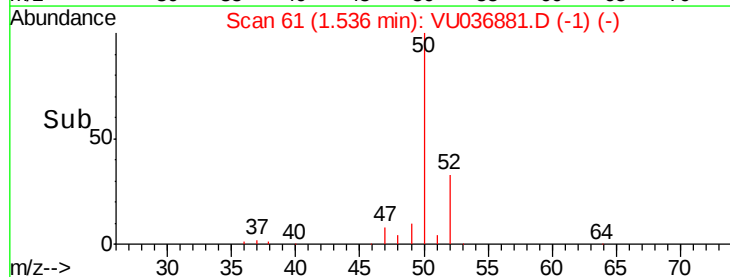
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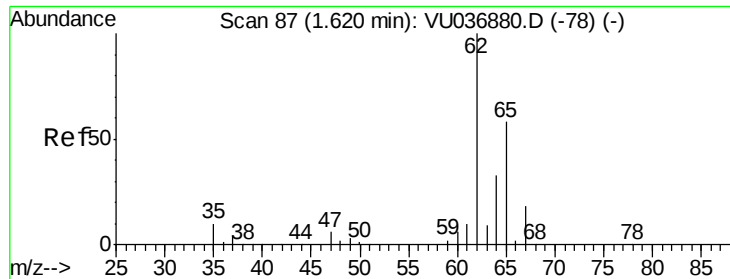
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50000

0

Time-->





#5

Vinyl chloride

Concen: 119.236 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

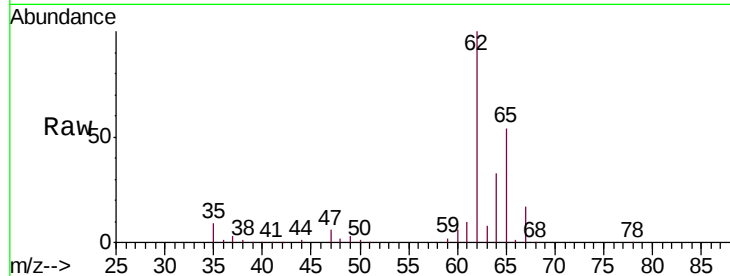
VSTD10035

Tgt Ion: 62 Resp: 282697

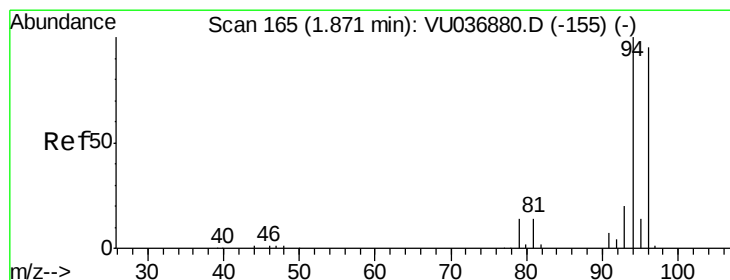
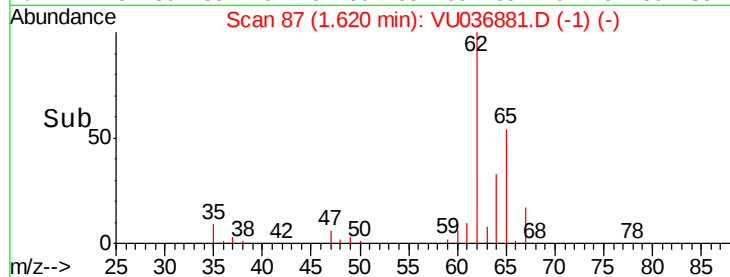
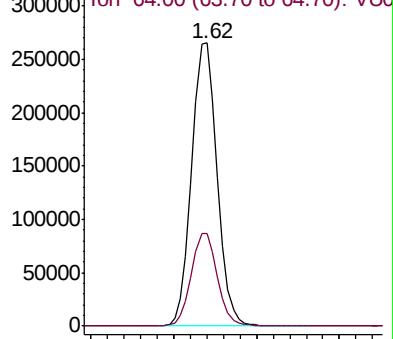
Ion Ratio Lower Upper

62 100

64 32.8 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU036881.D (-1) (-)



#6

Bromomethane

Concen: 107.208 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU036881.D

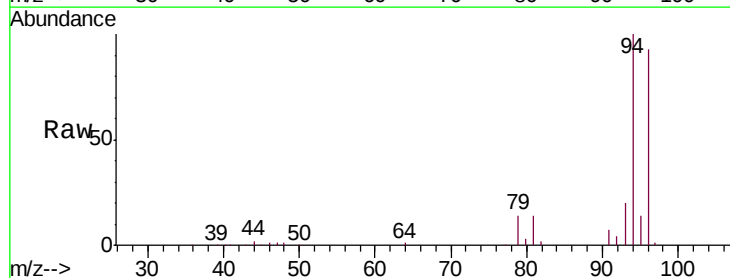
Acq: 24 Feb 2020 13:38

Tgt Ion: 94 Resp: 148042

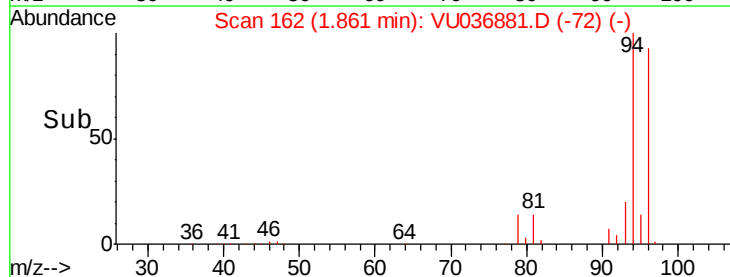
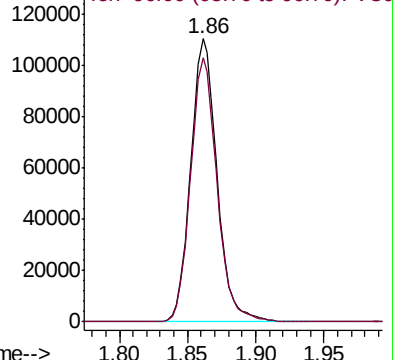
Ion Ratio Lower Upper

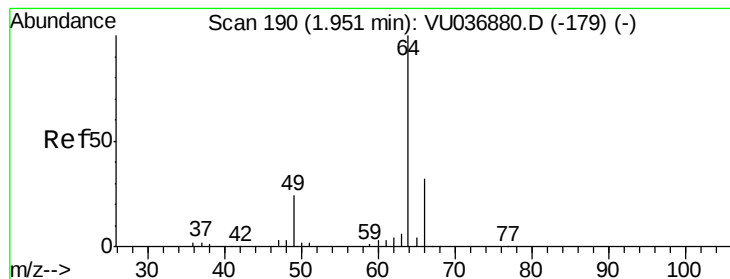
94 100

96 93.4 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU036881.D (-72) (-)





#8

Chloroethane

Concen: 117.607 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.01 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

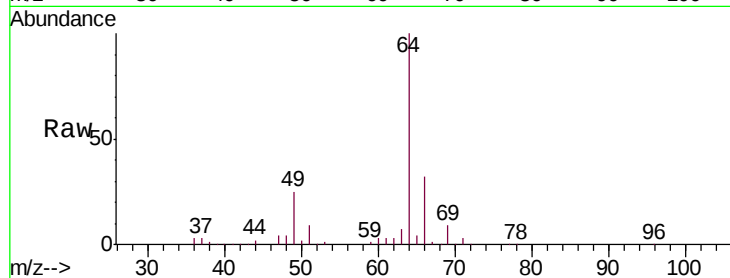
VSTD10035

Tgt Ion: 64 Resp: 166108

Ion Ratio Lower Upper

64 100

66 32.1 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) (-)

1.94

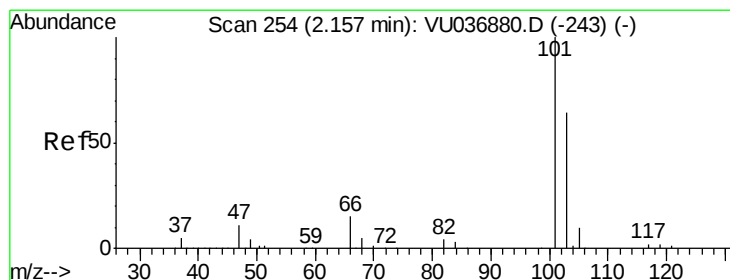
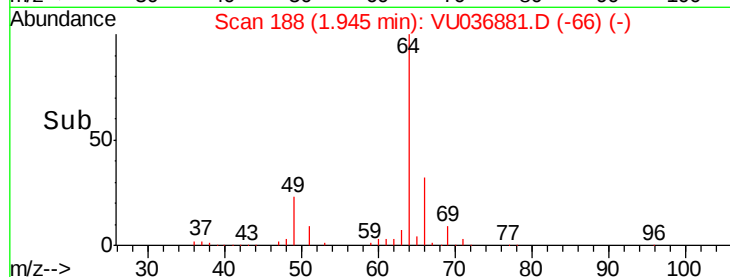
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 95.641 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU036881.D

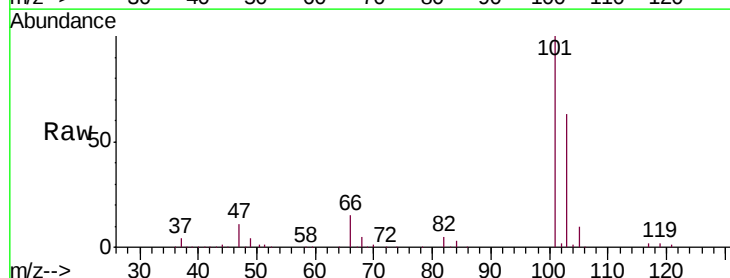
Acq: 24 Feb 2020 13:38

Tgt Ion: 101 Resp: 293024

Ion Ratio Lower Upper

101 100

103 63.8 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) (-)

2.15

200000

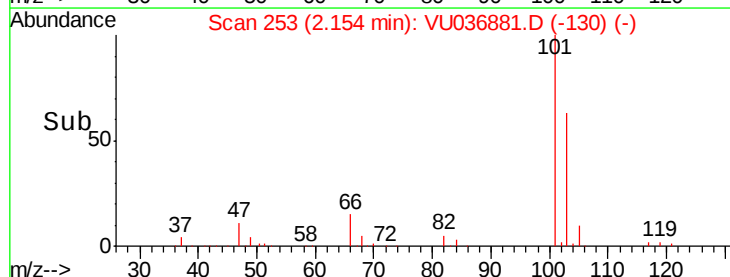
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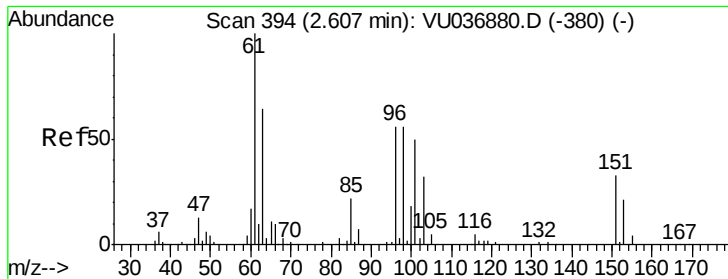
100000

50000

0

Time-->





#10

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

Concen: 106.225 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

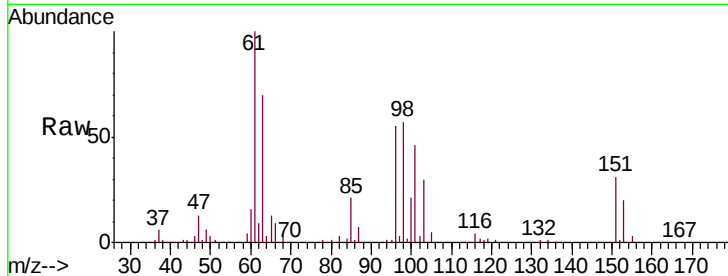
Tgt Ion:101 Resp: 175727

Ion Ratio Lower Upper

101 100

85 44.9 36.4 54.6

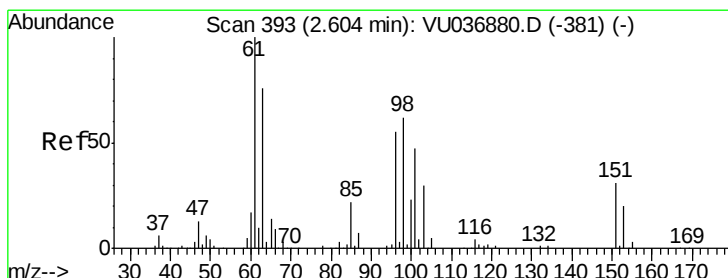
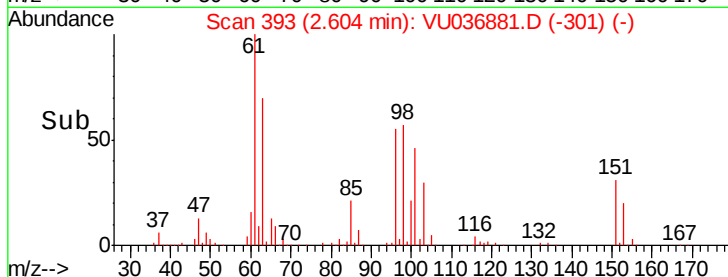
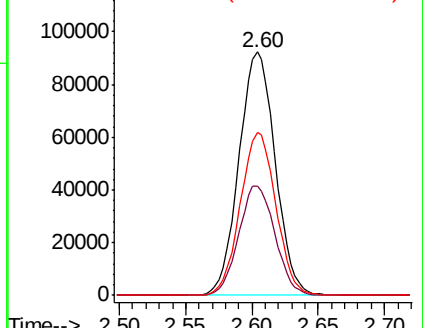
151 66.0 52.4 78.6



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: 109.109 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

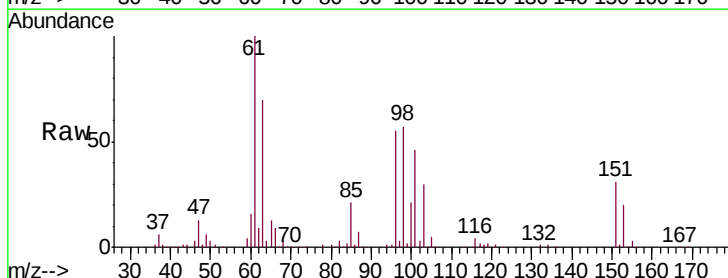
Tgt Ion: 96 Resp: 179875

Ion Ratio Lower Upper

96 100

61 180.3 127.5 236.7

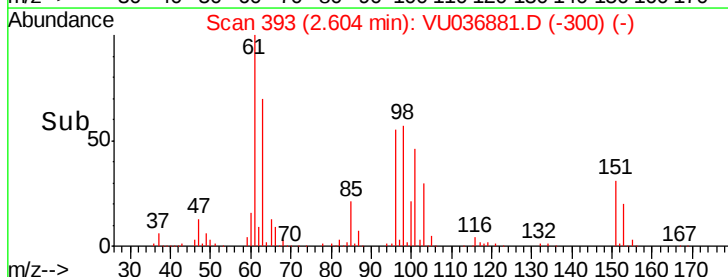
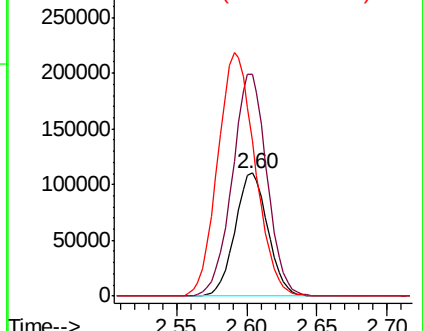
63 125.8 101.4 188.2

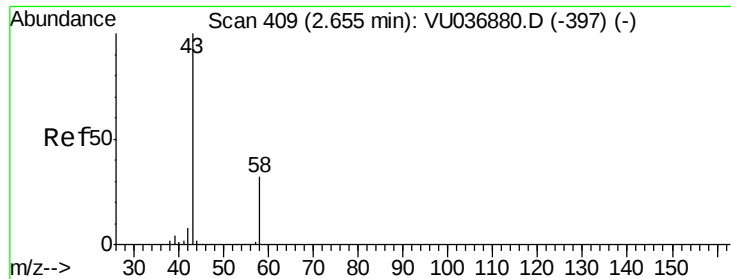


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 184.542 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

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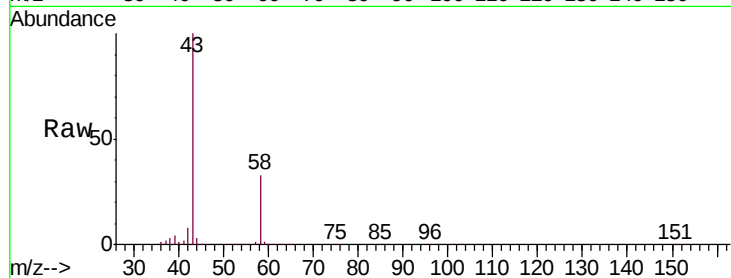
VSTD10035

Tgt Ion: 43 Resp: 307416

Ion Ratio Lower Upper

43 100

58 32.7 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU036881.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU036881.D (-397) (-)

2.66

200000

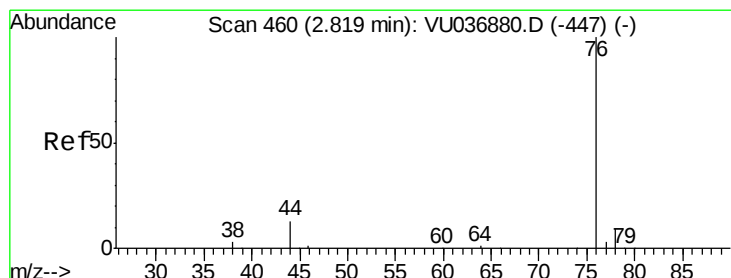
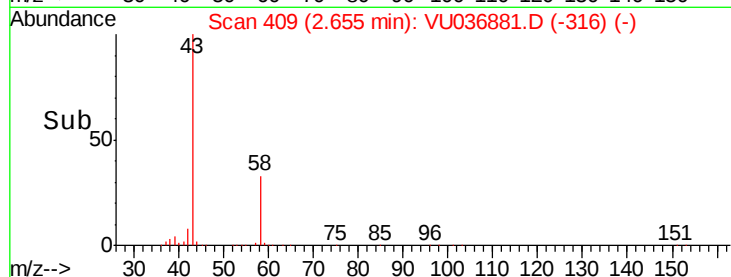
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 106.962 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036881.D

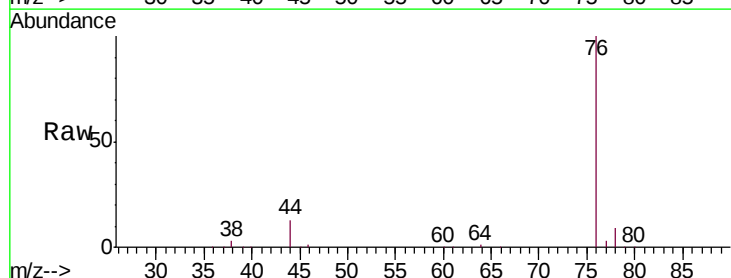
Acq: 24 Feb 2020 13:38

Tgt Ion: 76 Resp: 569756

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU036881.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036881.D (-367) (-)

2.82

400000

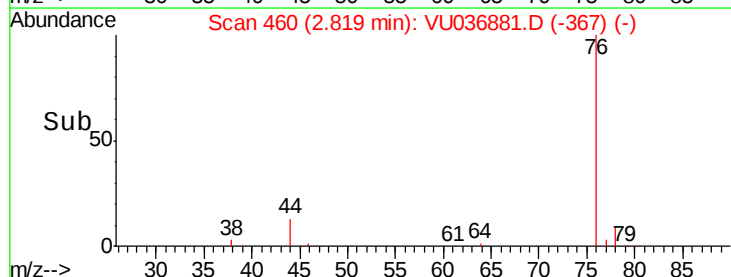
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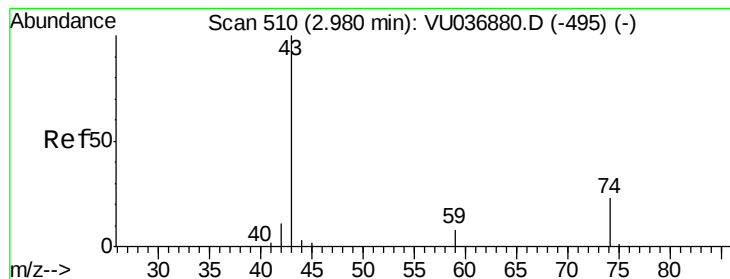
200000

100000

0

Time-->





#15

Methyl Acetate

Concen: 109.877 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

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ClientSampleId :

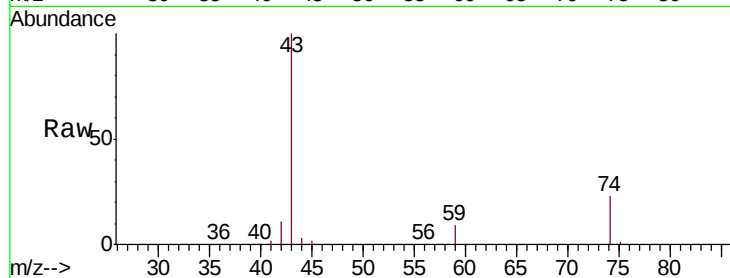
VSTD10035

Tgt Ion: 43 Resp: 247705

Ion Ratio Lower Upper

43 100

74 23.3 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VU036881.D (-417) (-)

Ion 74.00 (73.70 to 74.70): VU036881.D (-417) (-)

150000

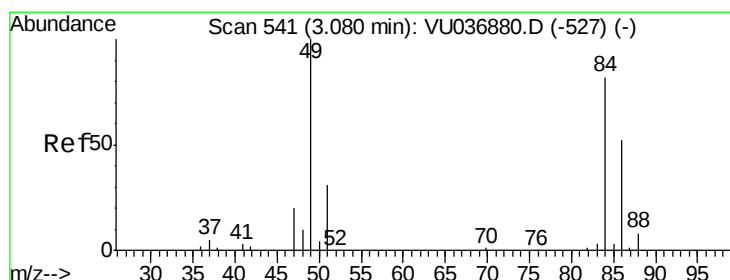
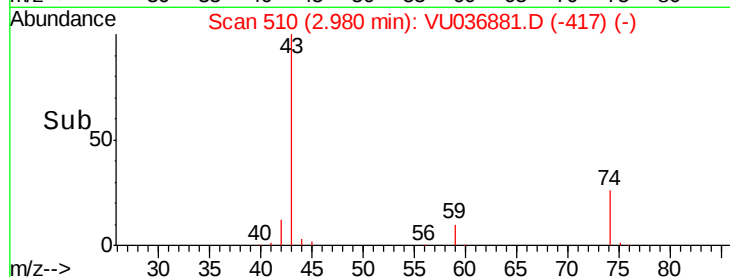
100000

50000

0

2.90 2.95 3.00 3.05

Time-->



#16

Methylene chloride

Concen: 106.527 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

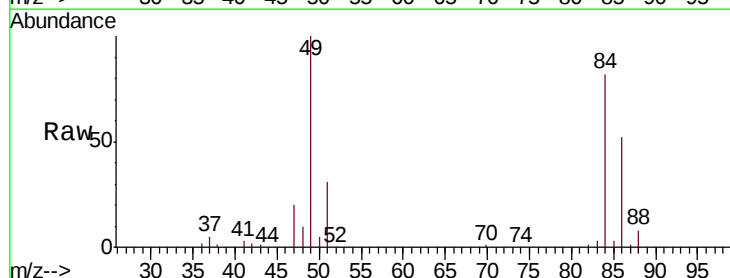
Tgt Ion: 84 Resp: 215872

Ion Ratio Lower Upper

84 100

86 63.8 44.4 82.5

49 122.1 85.9 159.5



Abundance Ion 84.00 (83.70 to 84.70): VU036881.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU036881.D (-448) (-)

Ion 49.00 (48.70 to 49.70): VU036881.D (-448) (-)

150000

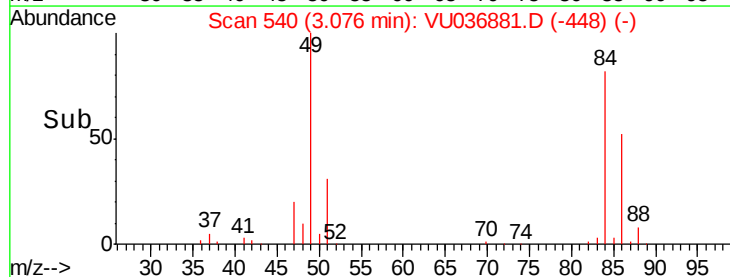
100000

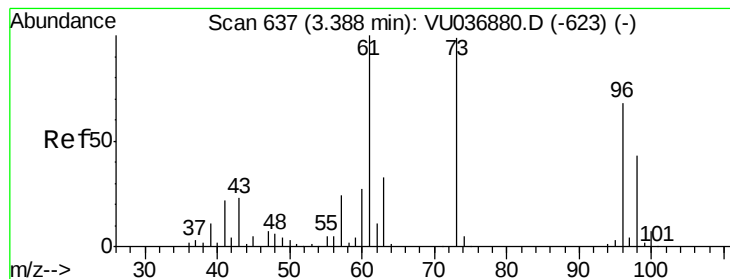
50000

0

3.00 3.05 3.10 3.15

Time-->





#17

trans-1,2-Dichloroethene

Concen: 105.998 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

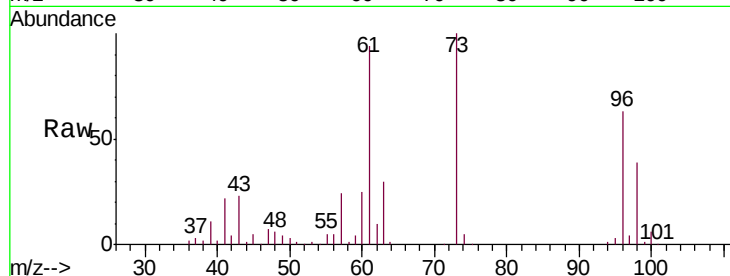
Tgt Ion: 96 Resp: 191657

Ion Ratio Lower Upper

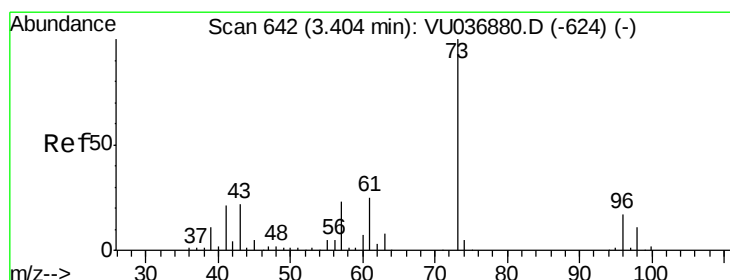
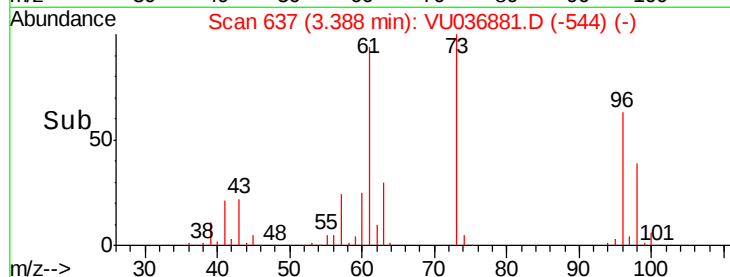
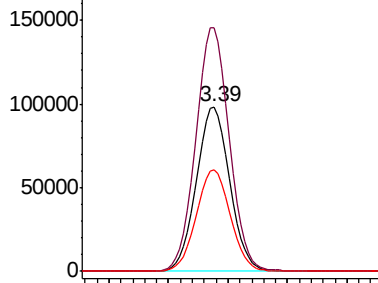
96 100

61 148.2 103.8 192.8

98 62.1 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 103.662 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

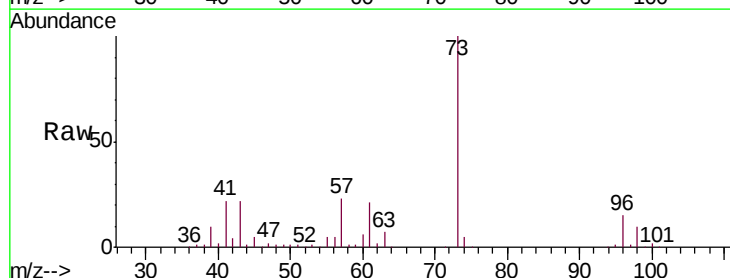
Tgt Ion: 73 Resp: 630889

Ion Ratio Lower Upper

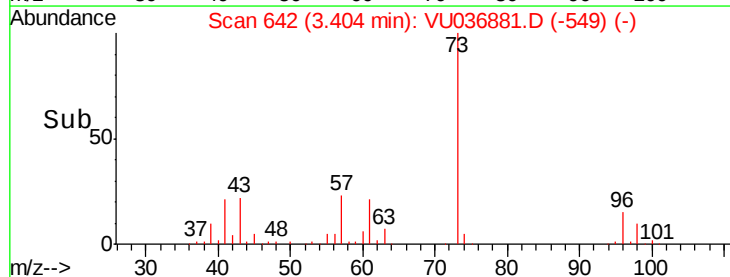
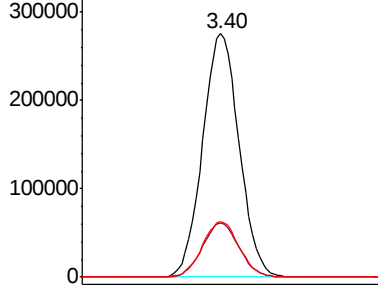
73 100

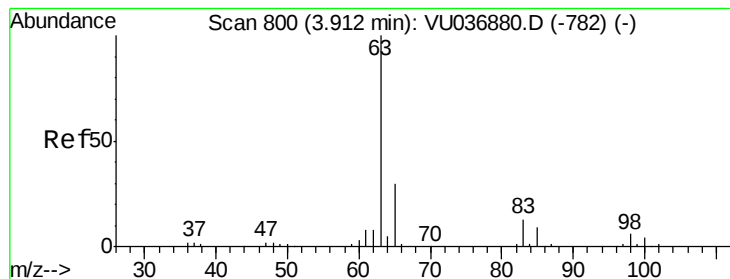
43 22.1 18.1 27.1

57 22.9 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 109.008 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

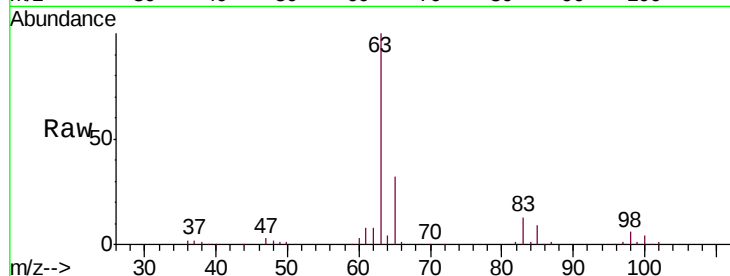
Tgt Ion: 63 Resp: 373120

Ion Ratio Lower Upper

63 100

65 32.3 21.3 39.5

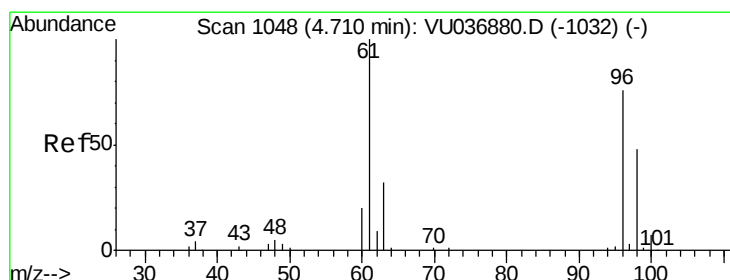
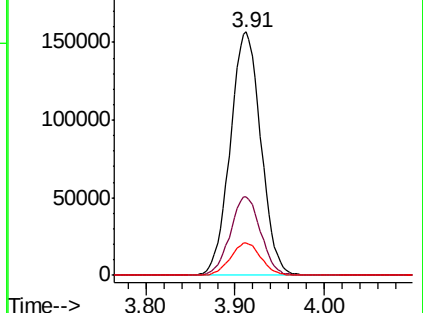
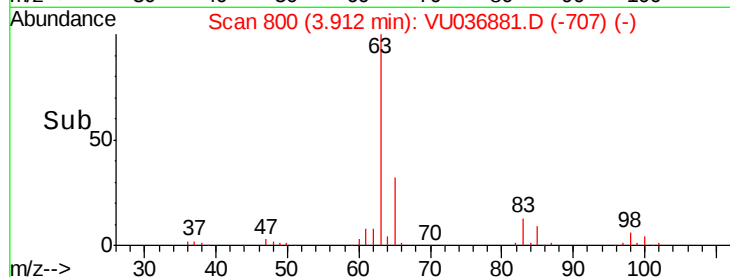
83 13.4 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU036881.D (-707) (-)

Ion 65.00 (64.70 to 65.70): VU036881.D (-707) (-)

Ion 83.00 (82.70 to 83.70): VU036881.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 105.864 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

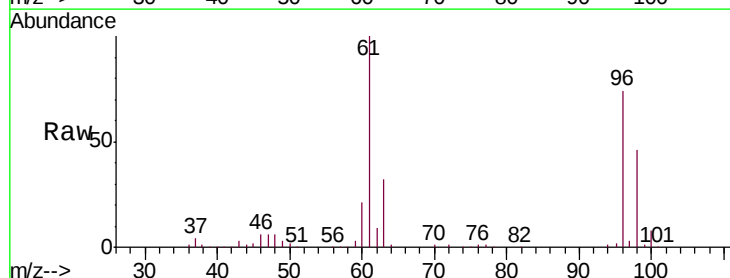
Tgt Ion: 96 Resp: 216955

Ion Ratio Lower Upper

96 100

61 135.4 93.1 172.9

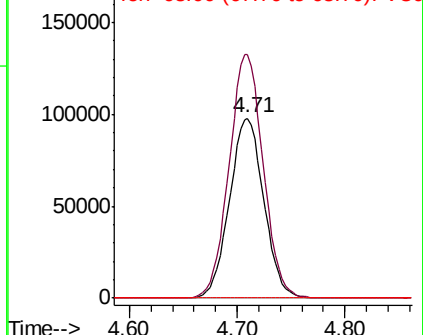
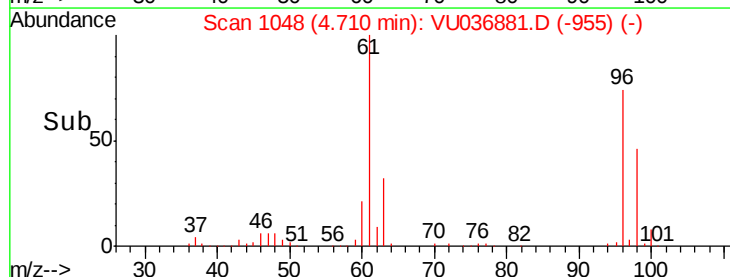
68 0.0 0.0 0.0

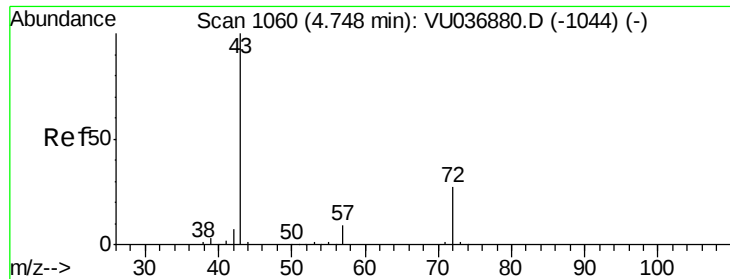


Abundance Ion 96.00 (95.70 to 96.70): VU036881.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU036881.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU036881.D (-955) (-)





#22

2-Butanone

Concen: 208.591 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

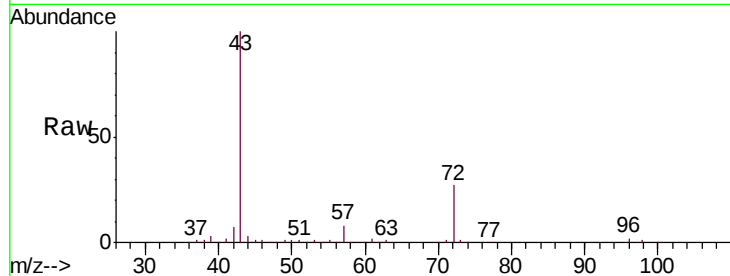
VSTD10035

Tgt Ion: 43 Resp: 397135

Ion Ratio Lower Upper

43 100

72 27.7 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU036881.D (-1044) (-)

Ion 72.00 (71.70 to 72.70): VU036881.D (-1044) (-)

4.75

200000

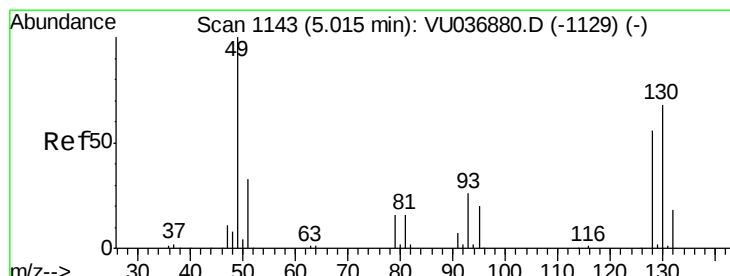
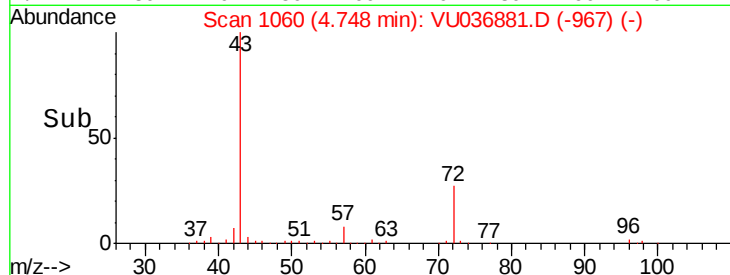
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 100.247 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Tgt Ion: 128 Resp: 98537

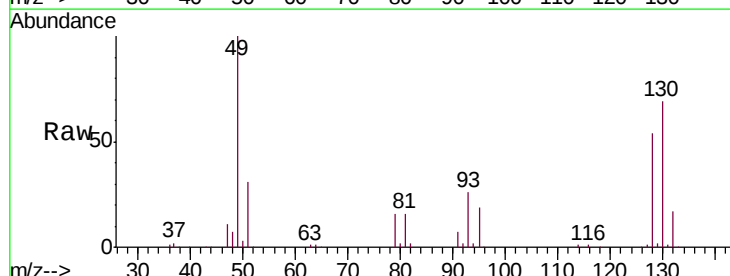
Ion Ratio Lower Upper

128 100

49 184.6 126.5 234.9

130 128.2 86.0 159.8

51 57.8 47.3 70.9



Abundance Ion 128.00 (127.70 to 128.70): VU036881.D (-1129) (-)

Ion 49.00 (48.70 to 49.70): VU036881.D (-1129) (-)

Ion 130.00 (129.70 to 130.70): VU036881.D (-1129) (-)

Ion 51.00 (50.70 to 51.70): VU036881.D (-1129) (-)

5.02

120000

100000

80000

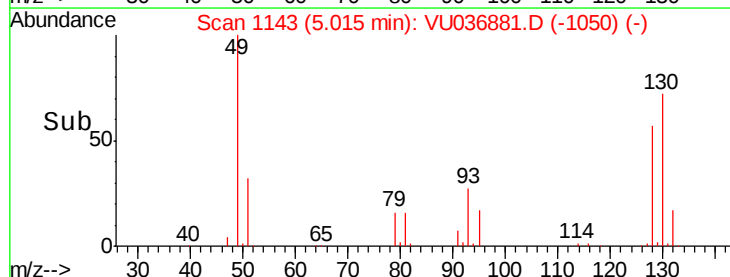
60000

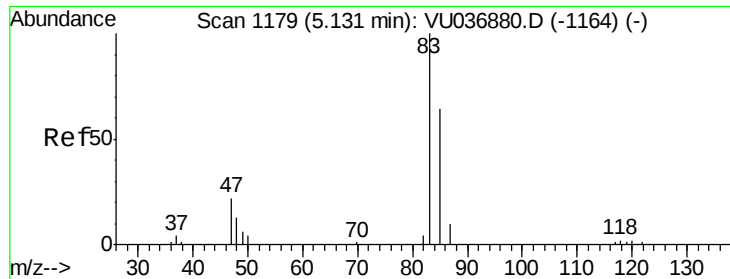
40000

20000

0

Time-->

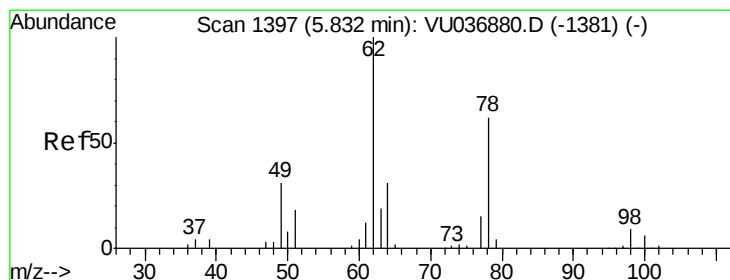
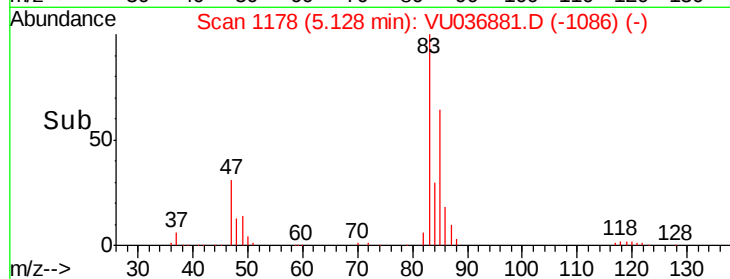
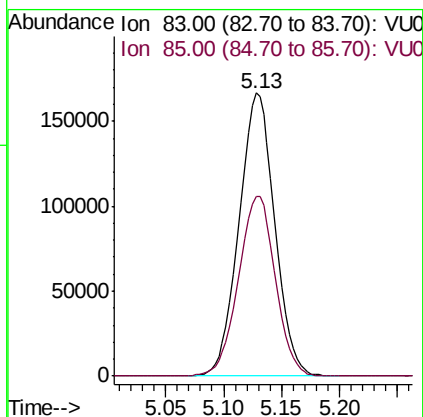
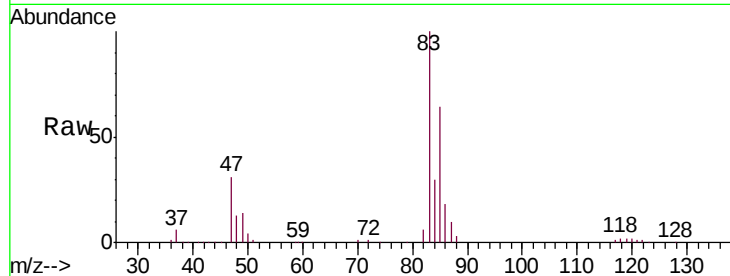




#25
Chloroform
Concen: 99.381 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU036881.D
Acq: 24 Feb 2020 13:38

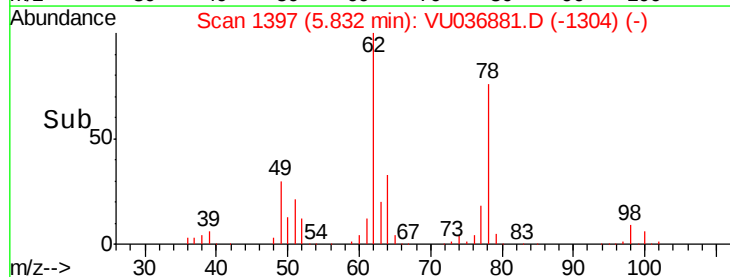
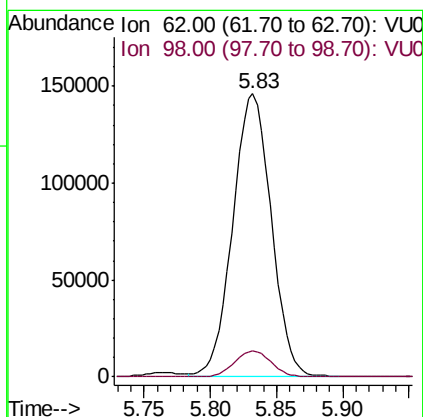
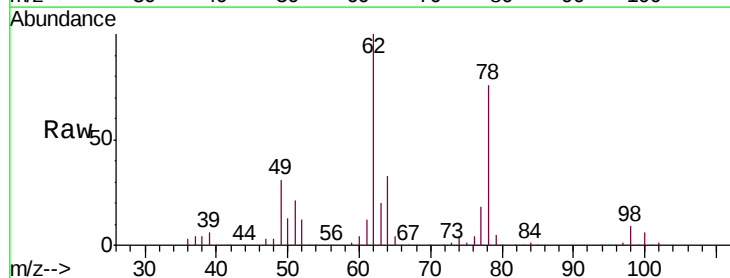
Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

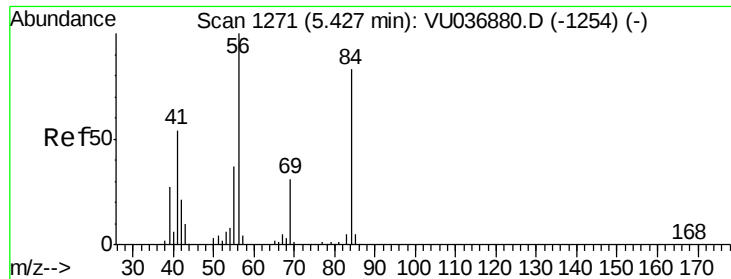
Tgt Ion: 83 Resp: 356237
Ion Ratio Lower Upper
83 100
85 63.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 102.735 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU036881.D
Acq: 24 Feb 2020 13:38

Tgt Ion: 62 Resp: 293547
Ion Ratio Lower Upper
62 100
98 9.2 7.1 10.7

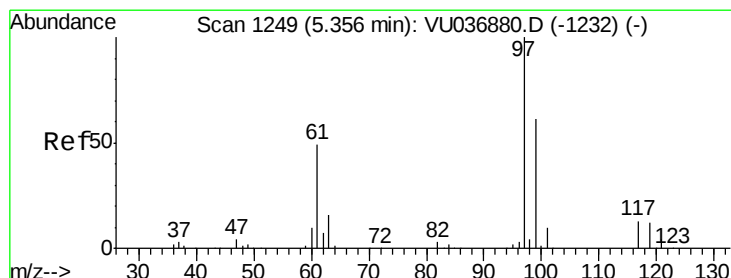
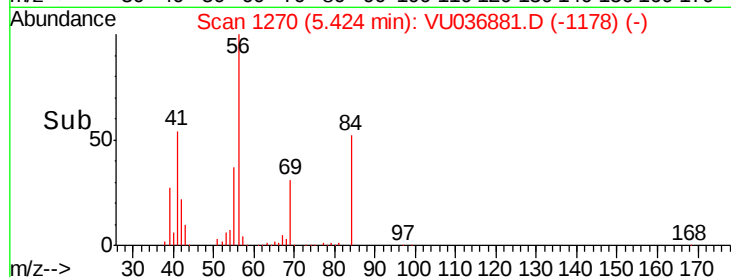
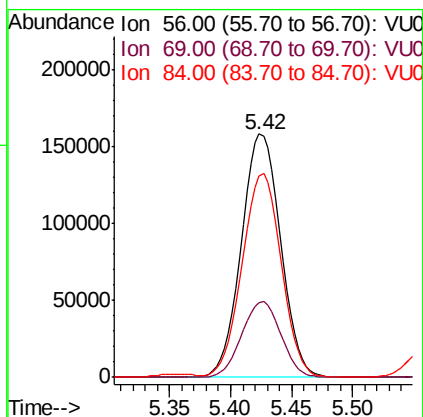
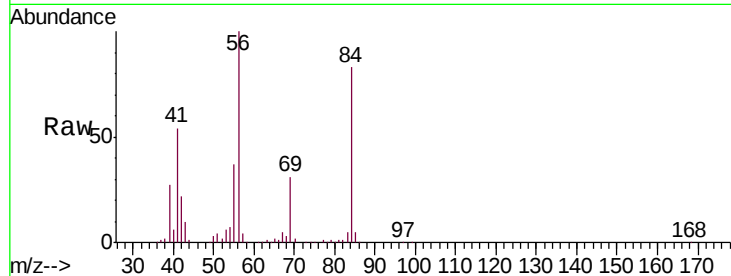




#29
Cyclohexane
Concen: 109.795 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU036881.D
Acq: 24 Feb 2020 13:38

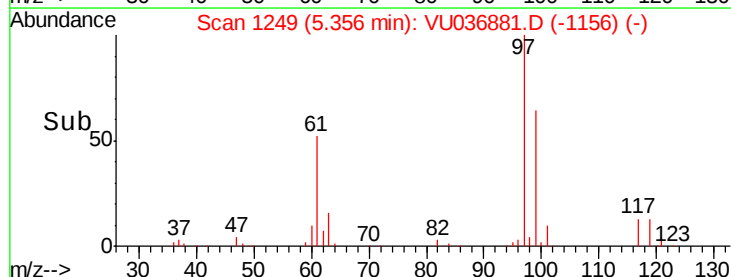
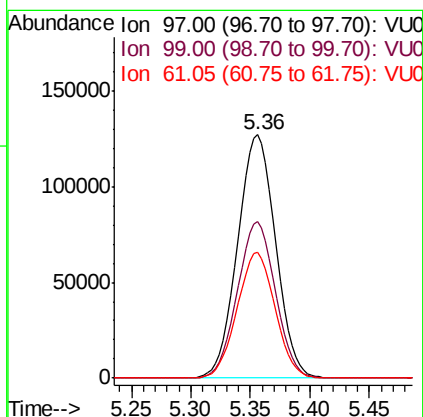
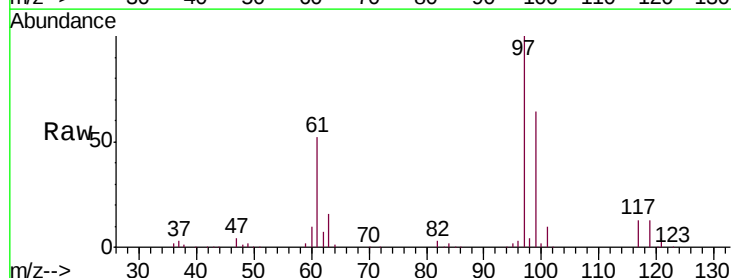
Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

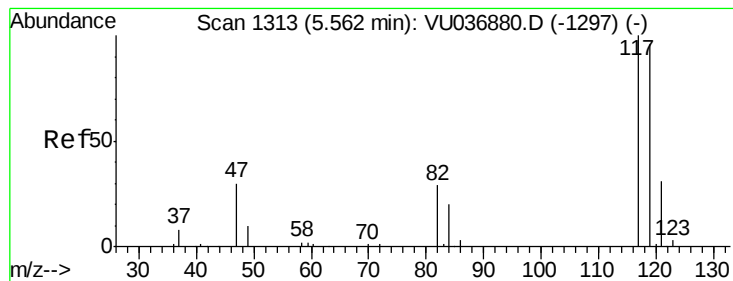
Tgt Ion: 56 Resp: 352270
Ion Ratio Lower Upper
56 100
69 31.0 24.6 37.0
84 83.6 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 92.899 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU036881.D
Acq: 24 Feb 2020 13:38

Tgt Ion: 97 Resp: 282061
Ion Ratio Lower Upper
97 100
99 64.3 50.4 75.6
61 51.5 40.3 60.5





#31

Carbon tetrachloride

Concen: 89.220 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

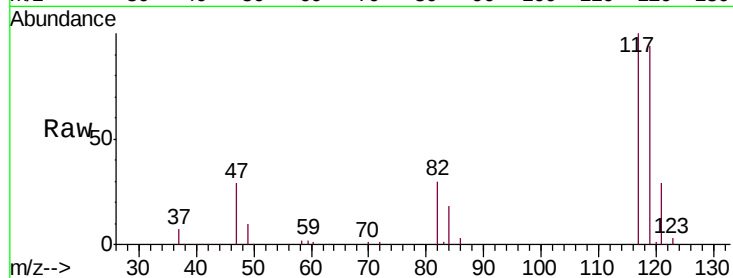
VSTD10035

Tgt Ion:117 Resp: 226816

Ion Ratio Lower Upper

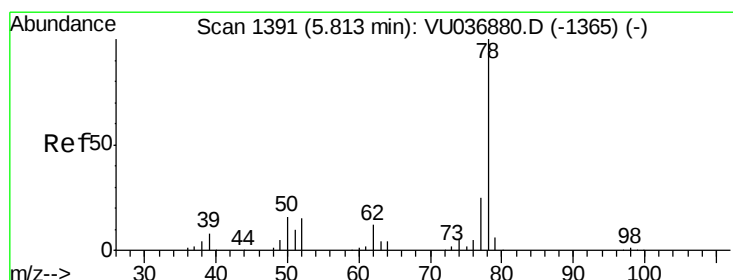
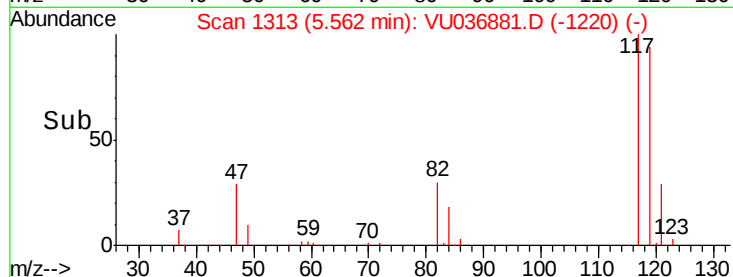
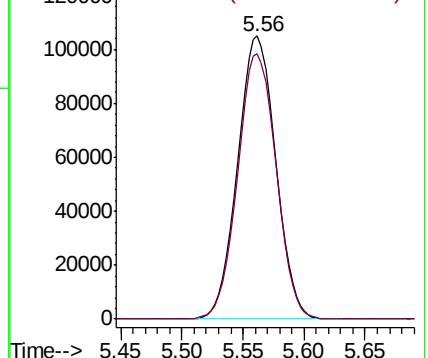
117 100

119 94.9 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: 109.187 ug/L

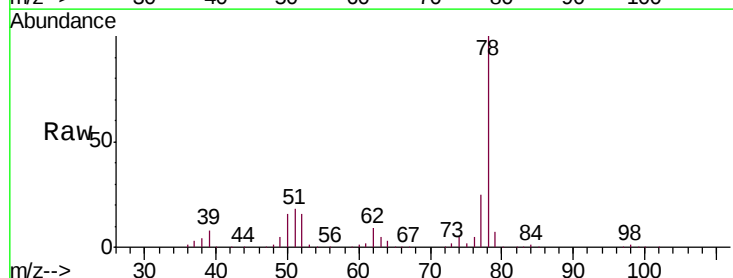
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

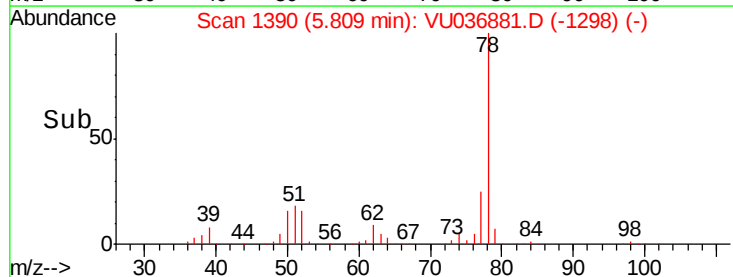
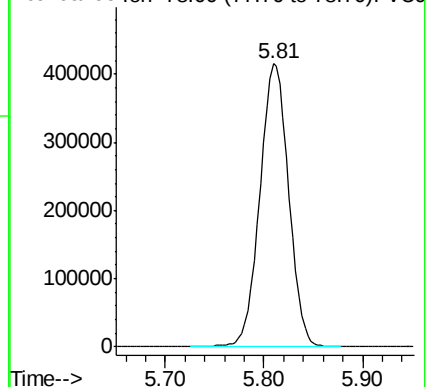
Lab File: VU036881.D

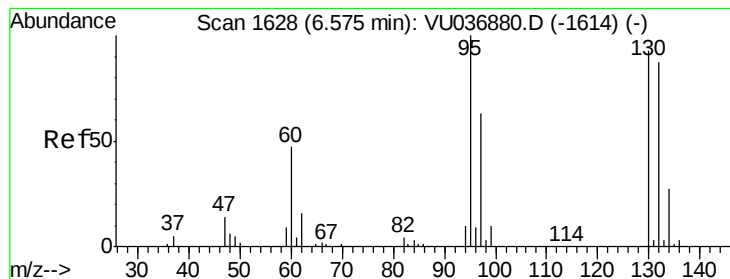
Acq: 24 Feb 2020 13:38

Tgt Ion: 78 Resp: 834901



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 101.479 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

Tgt Ion: 95 Resp: 205183

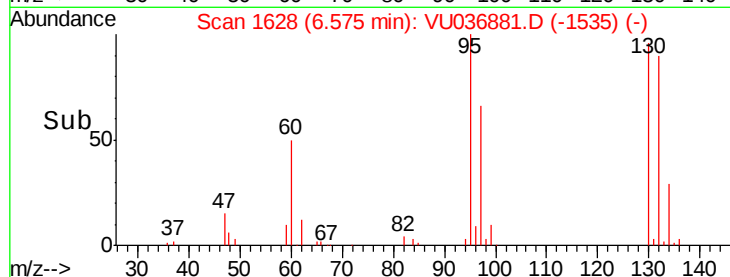
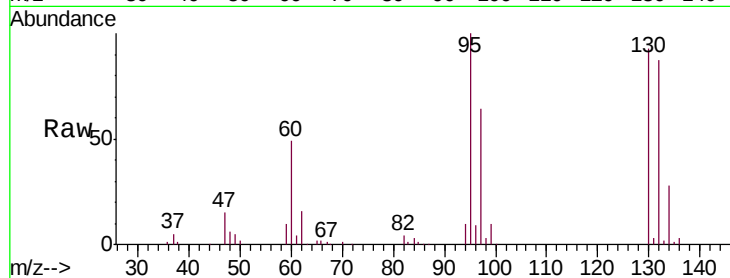
Ion Ratio Lower Upper

95 100

97 63.7 44.1 81.9

132 87.4 60.6 112.6

130 93.2 64.9 120.5

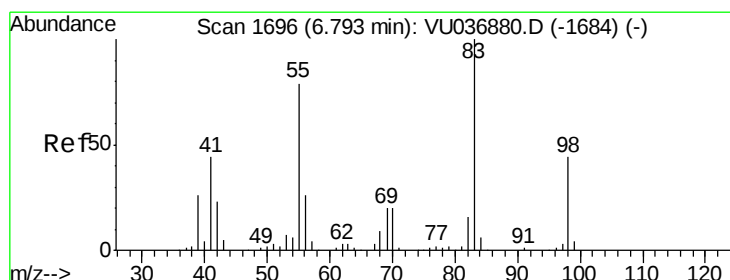
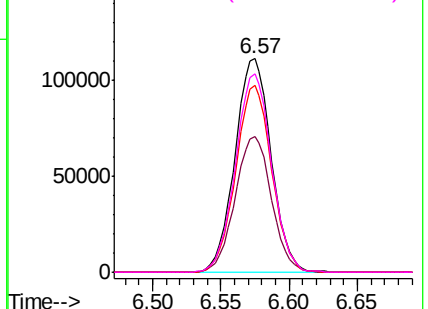


Abundance Ion 95.00 (94.70 to 95.70): VU036881.D (-1535) (-)

Ion 97.00 (96.70 to 97.70): VU036881.D (-1535) (-)

Ion 132.00 (131.70 to 132.70): VU036881.D (-1535) (-)

Ion 130.00 (129.70 to 130.70): VU036881.D (-1535) (-)



#35

Methylcyclohexane

Concen: 112.507 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

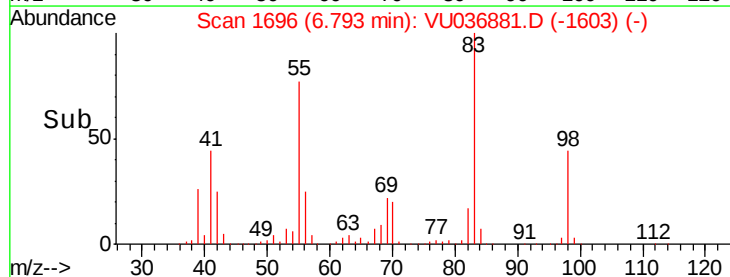
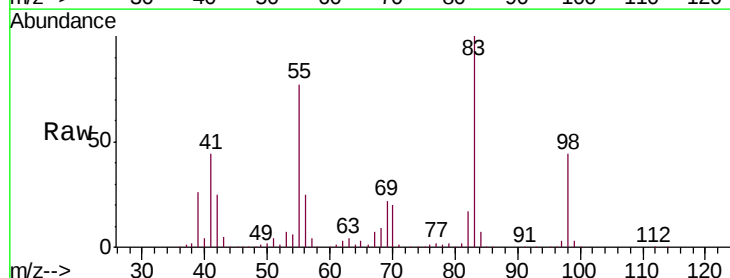
Tgt Ion: 83 Resp: 360179

Ion Ratio Lower Upper

83 100

55 77.1 62.6 93.8

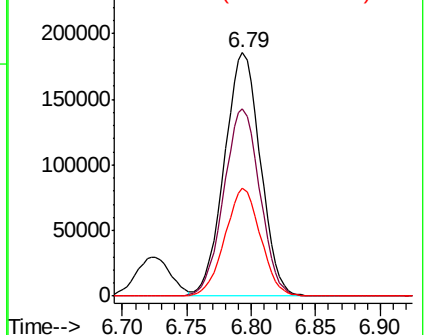
98 43.8 35.1 52.7

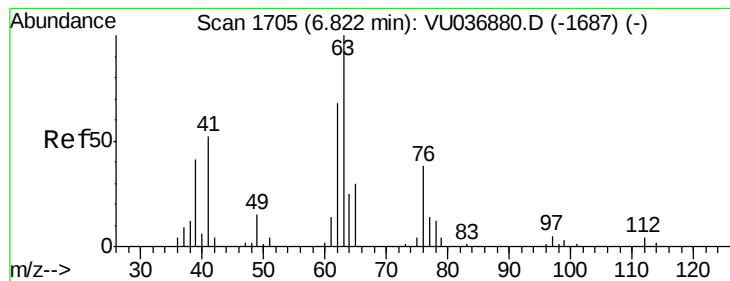


Abundance Ion 83.00 (82.70 to 83.70): VU036881.D (-1603) (-)

Ion 55.00 (54.70 to 55.70): VU036881.D (-1603) (-)

Ion 98.00 (97.70 to 98.70): VU036881.D (-1603) (-)





#37

1,2-Dichloropropane

Concen: 110.164 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

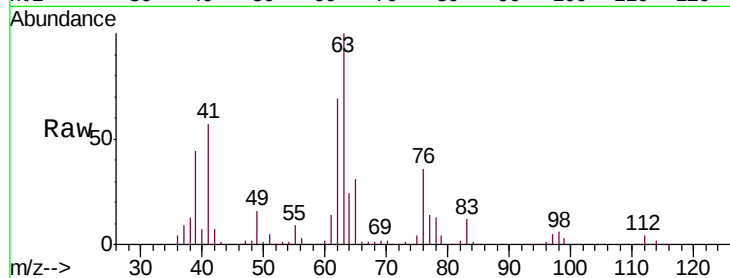
VSTD10035

Tgt Ion: 63 Resp: 223455

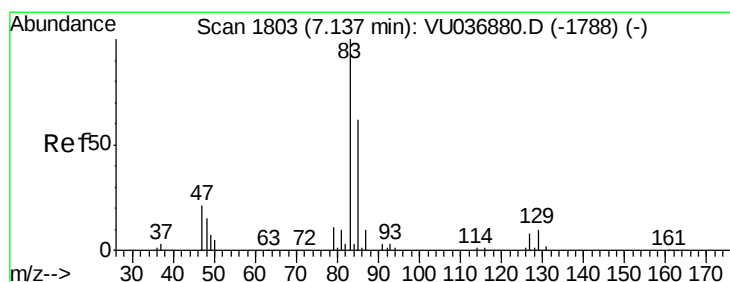
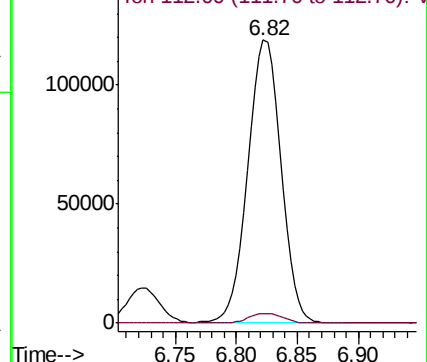
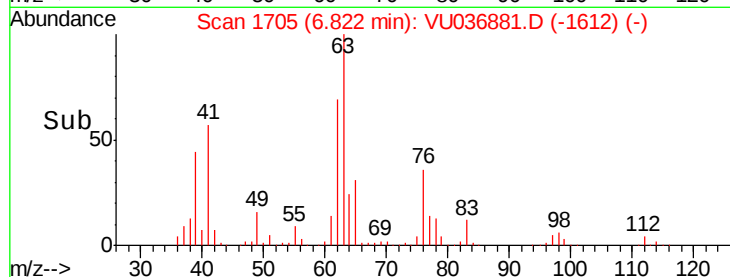
Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU036881.D (-1612) (-)



#38

Bromodichloromethane

Concen: 99.040 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

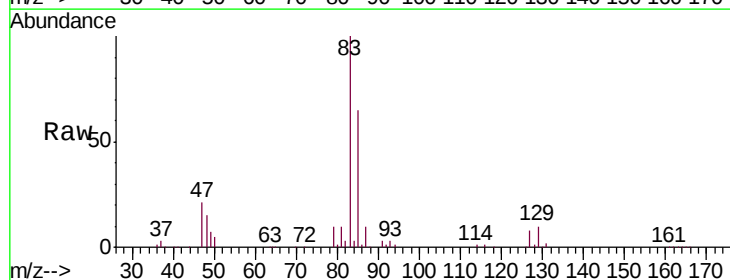
Tgt Ion: 83 Resp: 268049

Ion Ratio Lower Upper

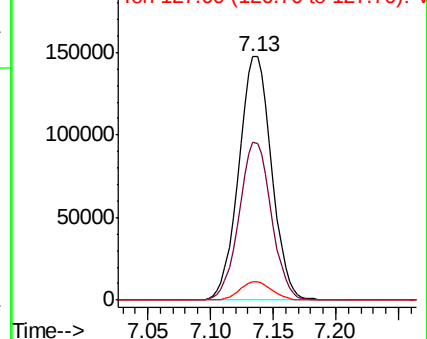
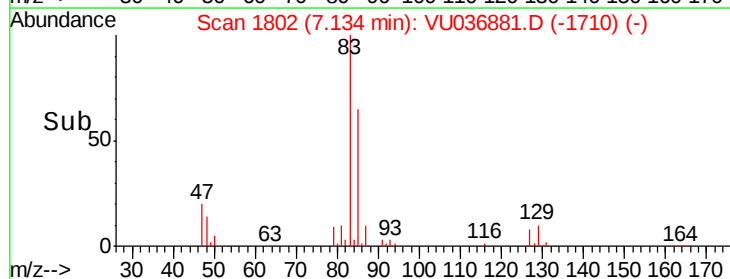
83 100

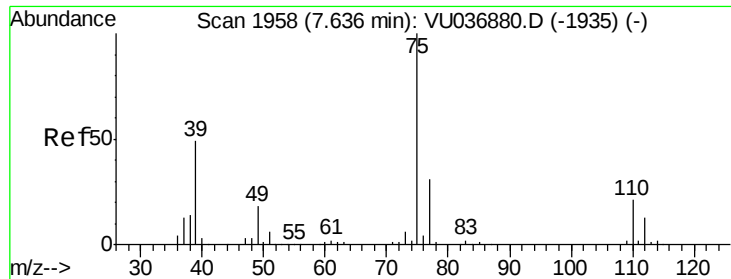
85 64.6 43.6 81.0

127 7.5 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VU036881.D (-1710) (-)

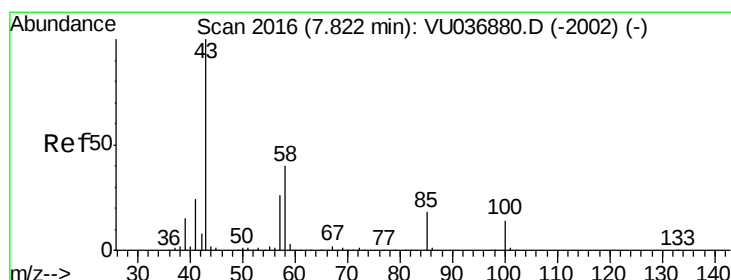
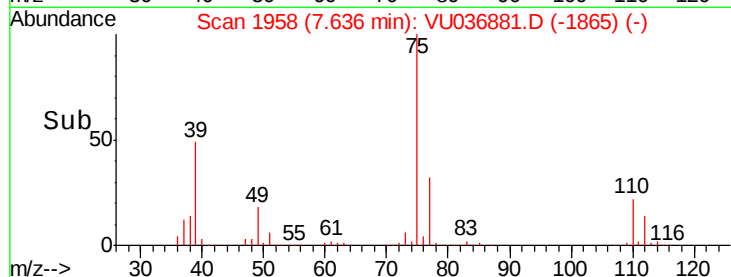
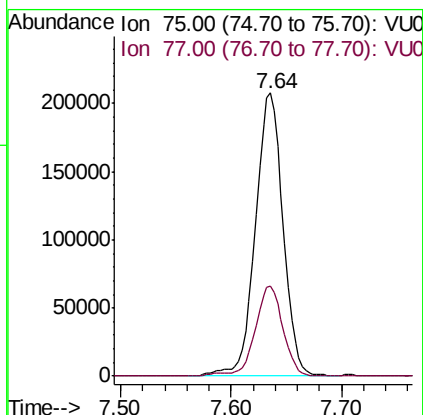
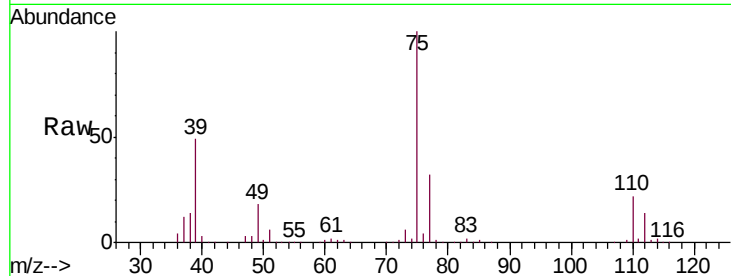




#39
 cis-1,3-Dichloropropene
 Concen: 111.026 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU036881.D
 Acq: 24 Feb 2020 13:38

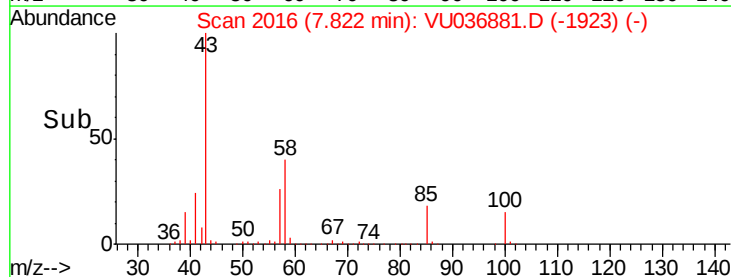
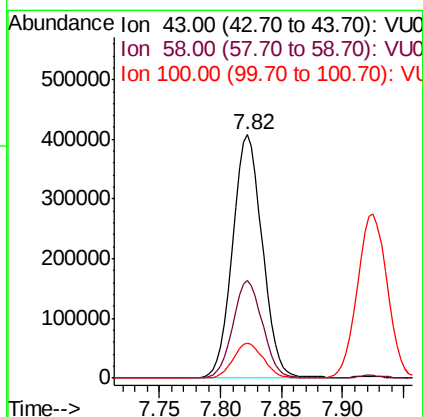
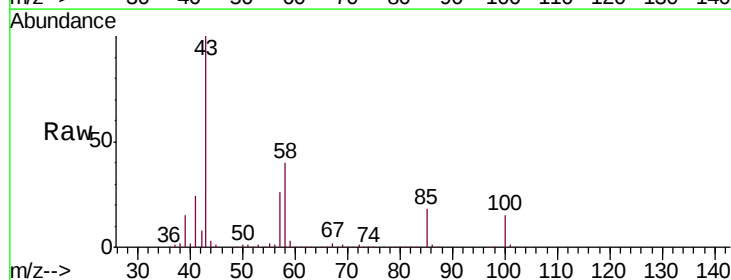
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

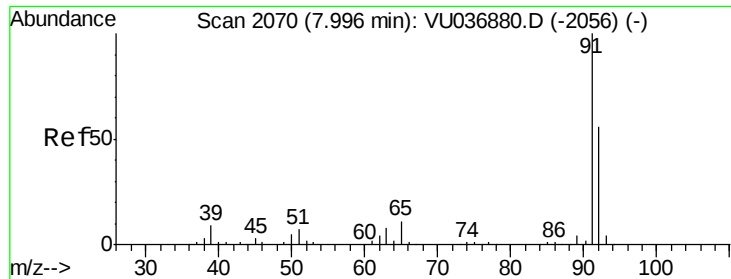
Tgt Ion: 75 Resp: 361206
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 214.141 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VU036881.D
 Acq: 24 Feb 2020 13:38

Tgt Ion: 43 Resp: 692560
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.8 47.6
 100 14.6 11.5 17.3





#42

Toluene

Concen: 108.602 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

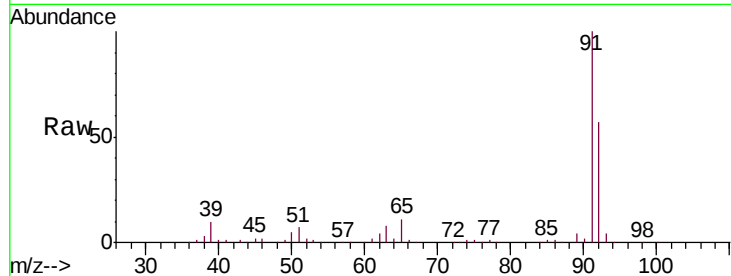
VSTD10035

Tgt Ion: 91 Resp: 898723

Ion Ratio Lower Upper

91 100

92 56.9 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU036881.D (-1977) (-)

Ion 92.00 (91.70 to 92.70): VU036881.D (-1977) (-)

8.00

600000

500000

400000

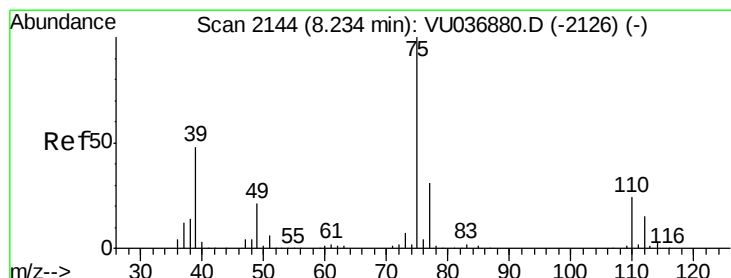
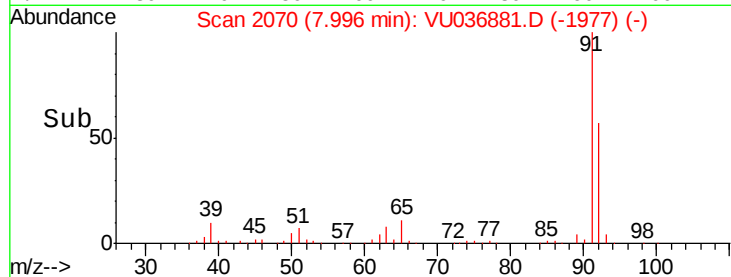
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 106.776 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU036881.D

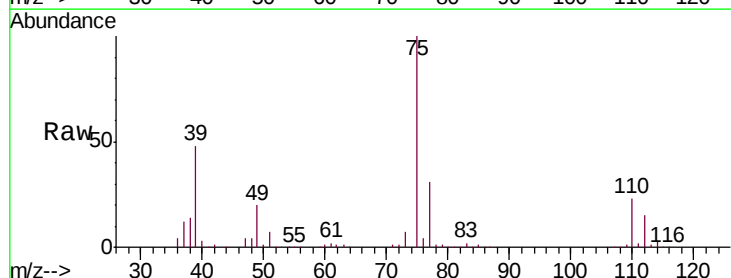
Acq: 24 Feb 2020 13:38

Tgt Ion: 75 Resp: 316763

Ion Ratio Lower Upper

75 100

77 31.0 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU036881.D (-2051) (-)

Ion 77.00 (76.70 to 77.70): VU036881.D (-2051) (-)

8.23

200000

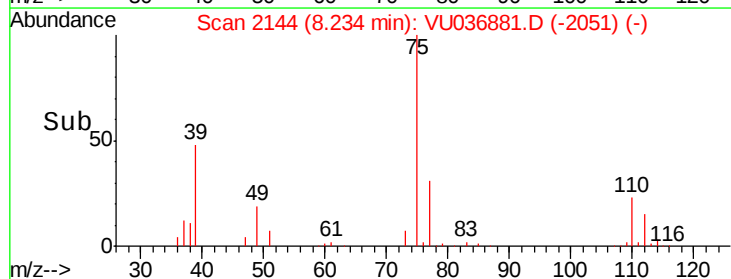
150000

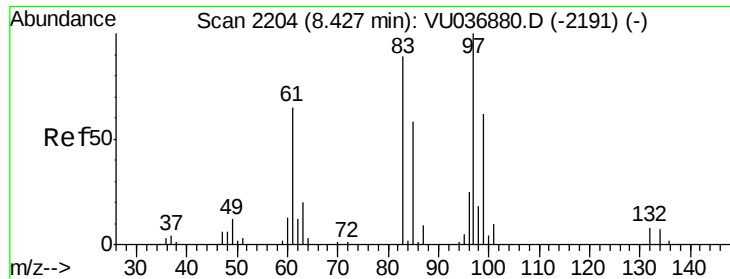
100000

50000

0

Time--> 8.10 8.20 8.30 8.40

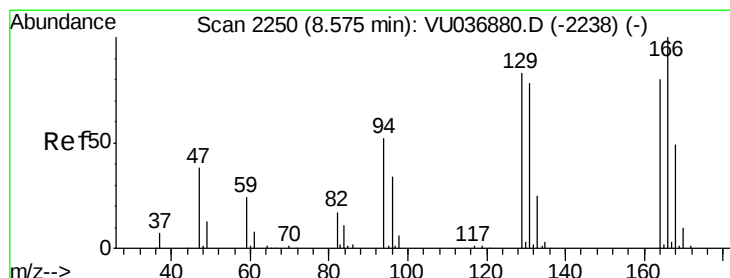
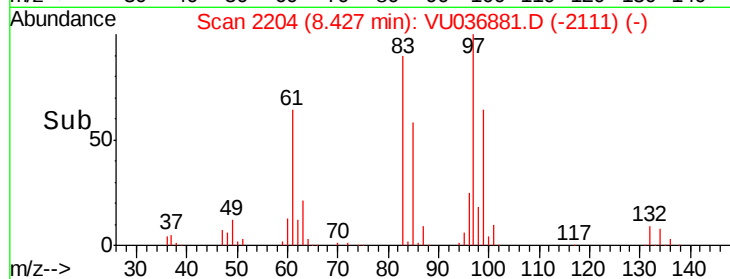
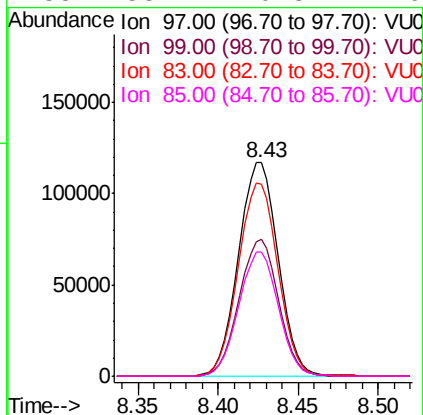
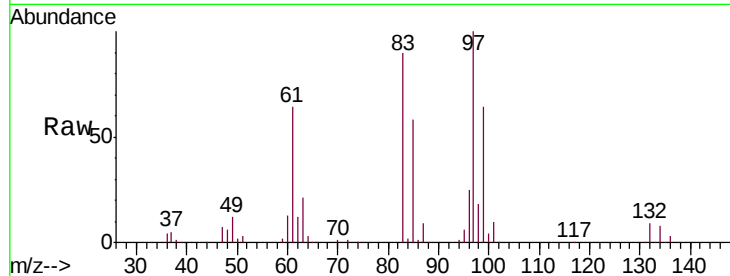




#45
 1,1,2-Trichloroethane
 Concen: 103.737 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU036881.D
 Acq: 24 Feb 2020 13:38

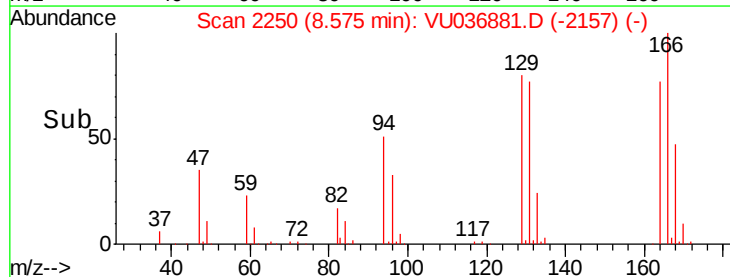
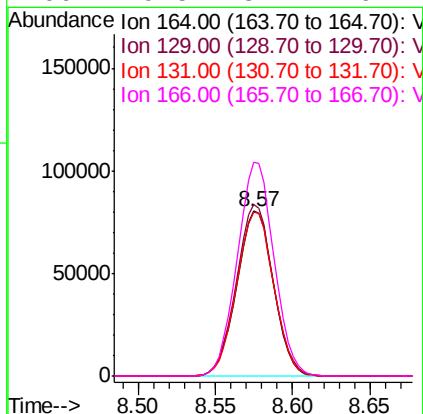
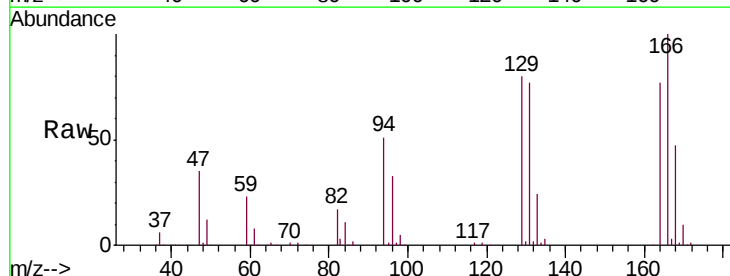
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

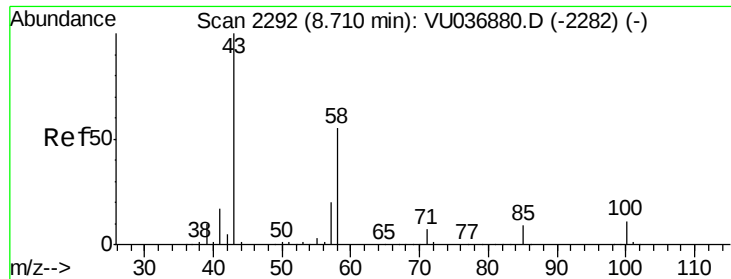
Tgt Ion:	97	Resp:	198785
Ion	Ratio	Lower	Upper
97	100		
99	63.9	43.6	81.0
83	90.1	62.7	116.5
85	58.4	40.3	74.9



#46
 Tetrachloroethene
 Concen: 98.615 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU036881.D
 Acq: 24 Feb 2020 13:38

Tgt Ion:	164	Resp:	133192
Ion	Ratio	Lower	Upper
164	100		
129	103.9	72.0	133.8
131	99.4	67.9	126.1
166	129.5	87.1	161.7

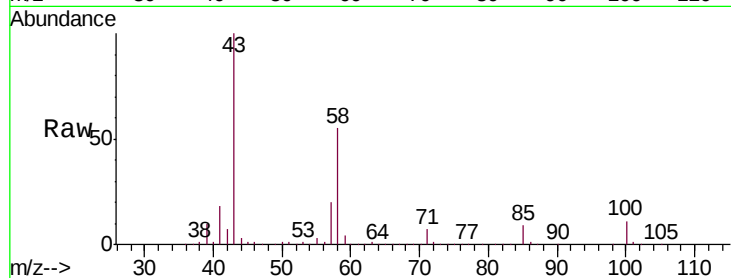




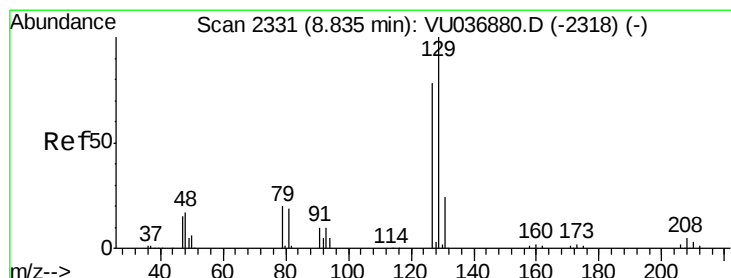
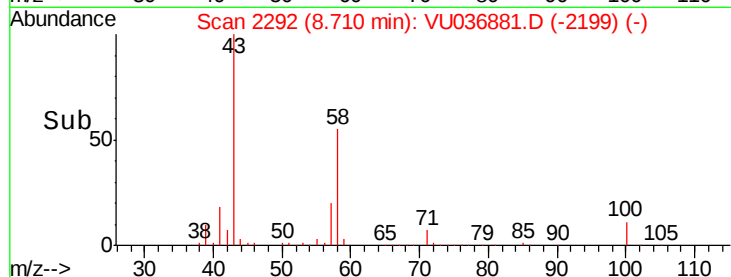
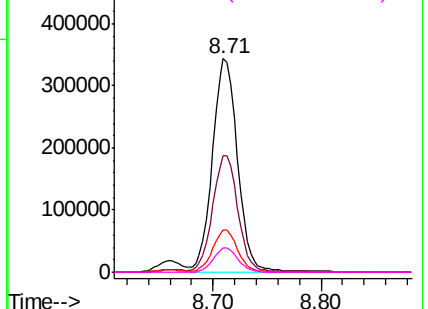
#48
2-Hexanone
Concen: 214.757 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU036881.D
Acq: 24 Feb 2020 13:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

Tgt Ion: 43 Resp: 553321
Ion Ratio Lower Upper
43 100
58 55.5 43.5 65.3
57 19.2 15.1 22.7
100 11.2 8.7 13.1

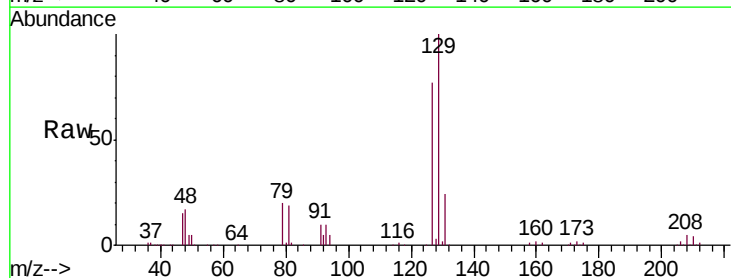


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

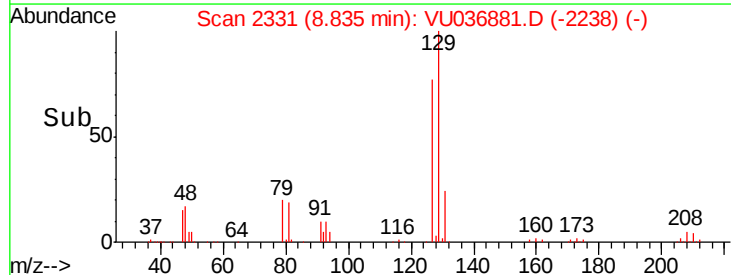
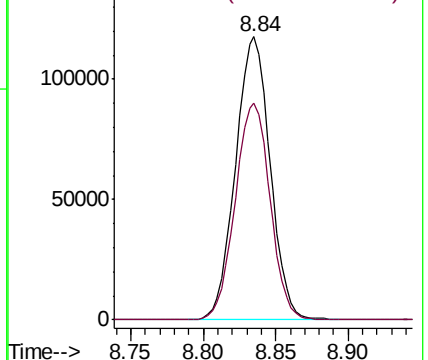


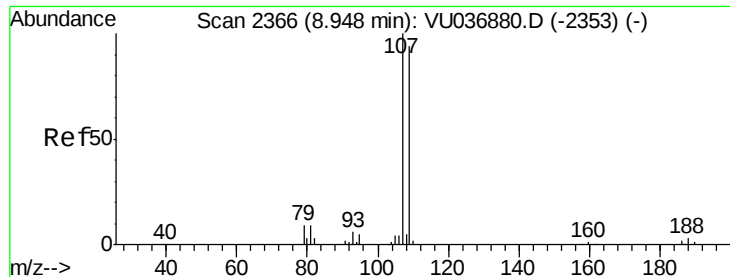
#49
Dibromochloromethane
Concen: 95.041 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU036881.D
Acq: 24 Feb 2020 13:38

Tgt Ion: 129 Resp: 195461
Ion Ratio Lower Upper
129 100
127 76.6 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

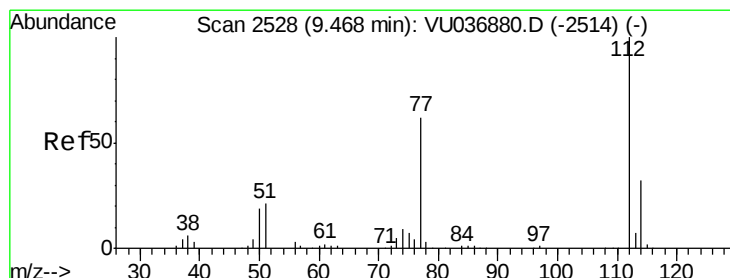
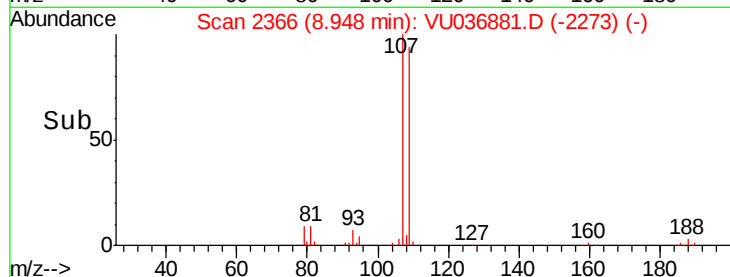
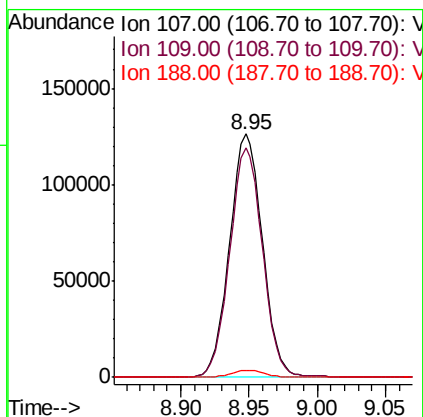
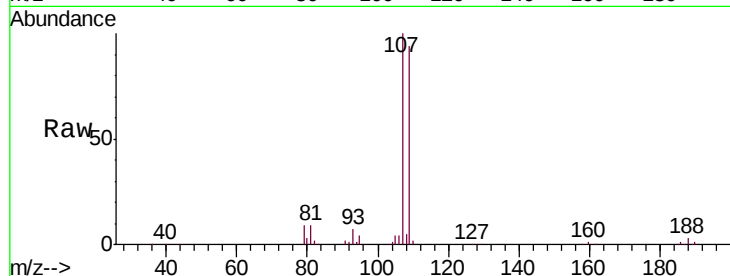




#50
1,2-Dibromoethane
Concen: 99.532 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU036881.D
Acq: 24 Feb 2020 13:38

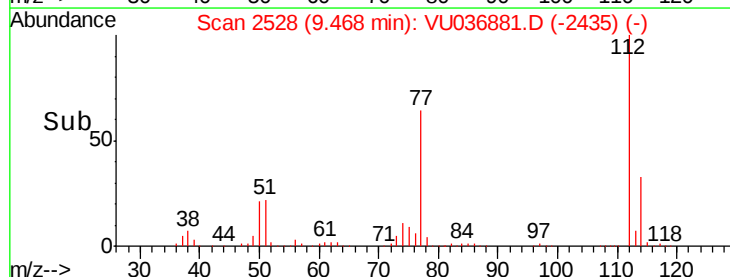
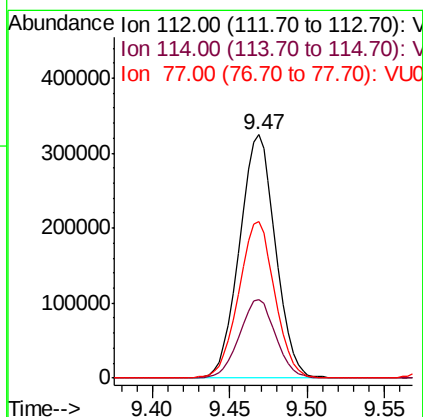
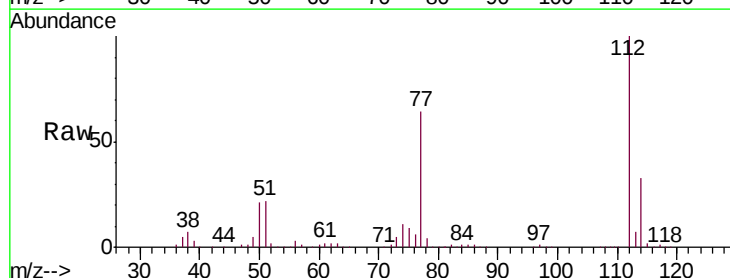
Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

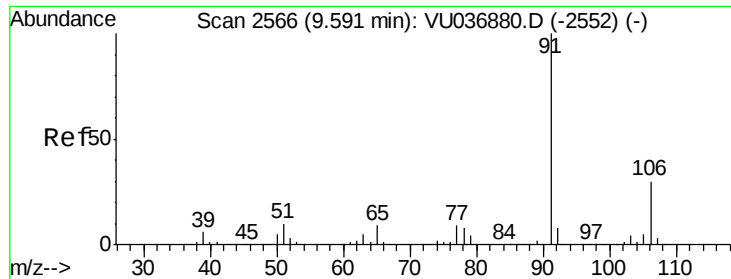
Tgt Ion:107 Resp: 211704
Ion Ratio Lower Upper
107 100
109 94.1 65.9 122.5
188 2.9 2.2 3.2



#51
Chlorobenzene
Concen: 102.655 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU036881.D
Acq: 24 Feb 2020 13:38

Tgt Ion:112 Resp: 526653
Ion Ratio Lower Upper
112 100
114 32.5 22.3 41.5
77 64.3 50.1 75.1





#52

Ethylbenzene

Concen: 107.235 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

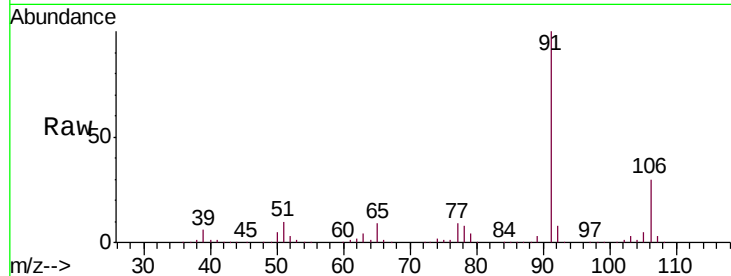
VSTD10035

Tgt Ion: 91 Resp: 983012

Ion Ratio Lower Upper

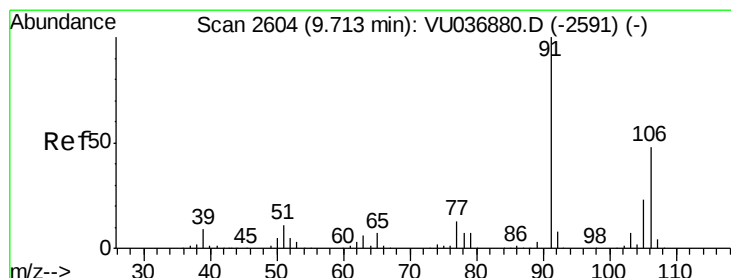
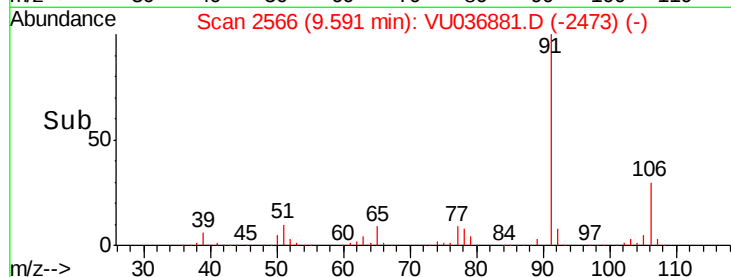
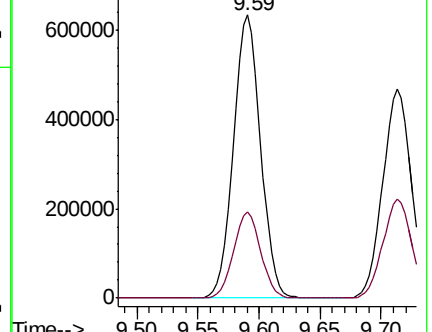
91 100

106 30.3 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU036881.D (-2552) (-)

Ion 106.00 (105.70 to 106.70): VU036881.D (-2552) (-)



#53

m,p-Xylene

Concen: 105.763 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU036881.D

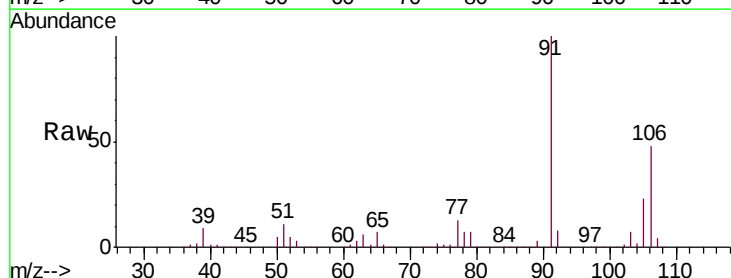
Acq: 24 Feb 2020 13:38

Tgt Ion: 106 Resp: 361936

Ion Ratio Lower Upper

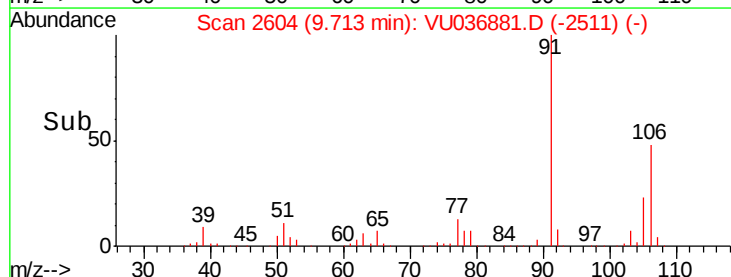
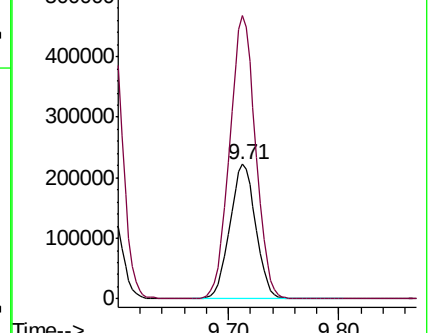
106 100

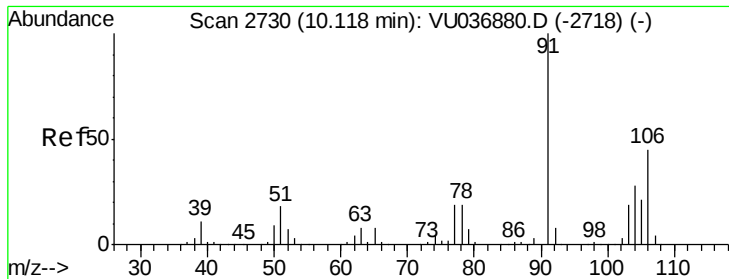
91 210.5 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VU036881.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VU036881.D (-2591) (-)





#54

o-xylene

Concen: 105.414 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

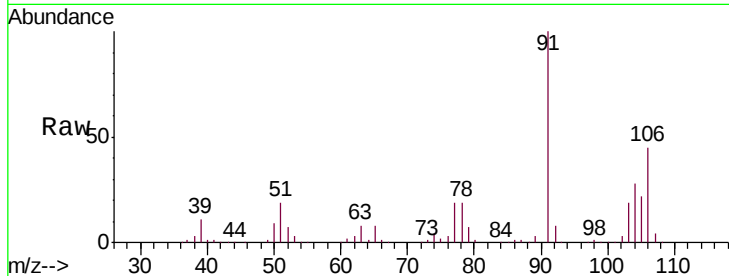
VSTD10035

Tgt Ion:106 Resp: 360004

Ion Ratio Lower Upper

106 100

91 221.7 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

600000

500000

400000

300000

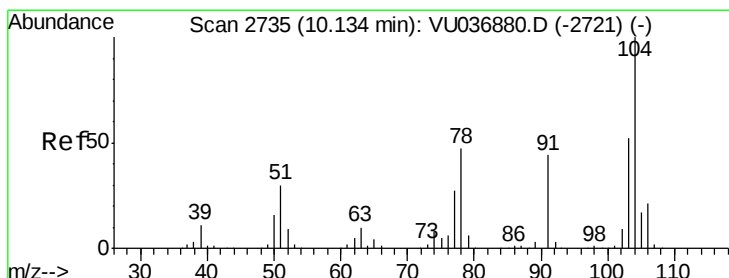
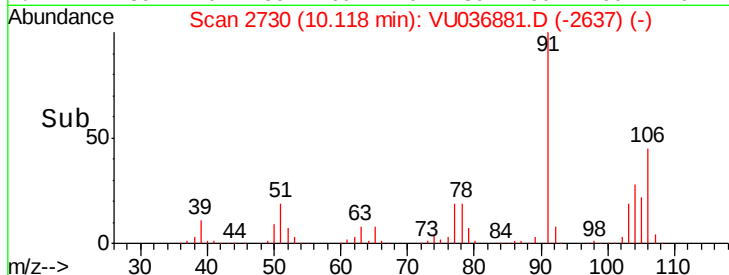
200000

100000

0

10.10 10.12 10.20

Time-->



#55

Styrene

Concen: 110.377 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU036881.D

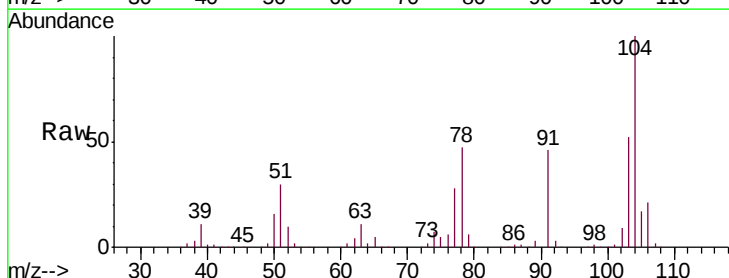
Acq: 24 Feb 2020 13:38

Tgt Ion:104 Resp: 609678

Ion Ratio Lower Upper

104 100

78 47.0 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

400000

300000

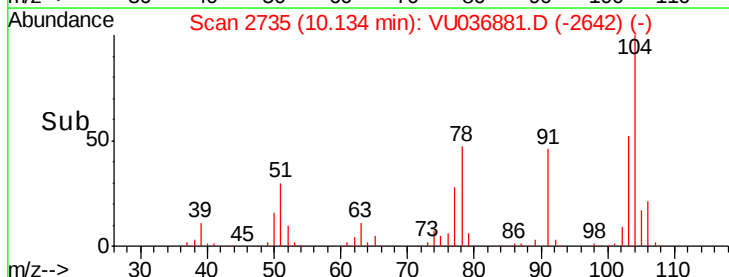
200000

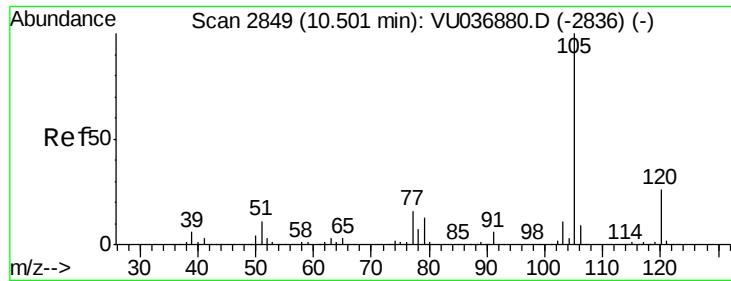
100000

0

10.10 10.13 10.20

Time-->





#56

Isopropylbenzene

Concen: 106.690 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

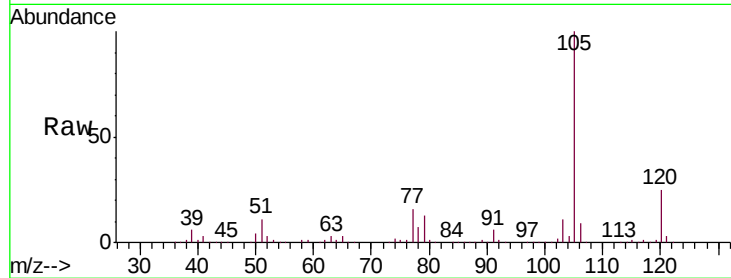
Tgt Ion:105 Resp: 932242

Ion Ratio Lower Upper

105 100

120 25.2 20.5 30.7

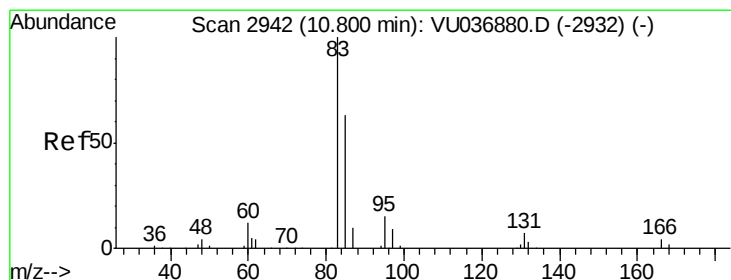
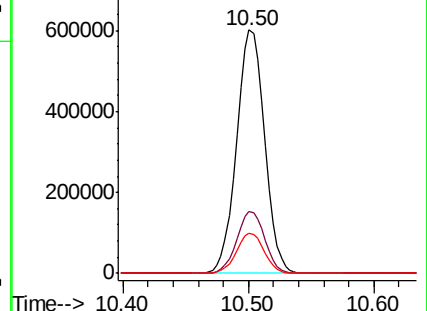
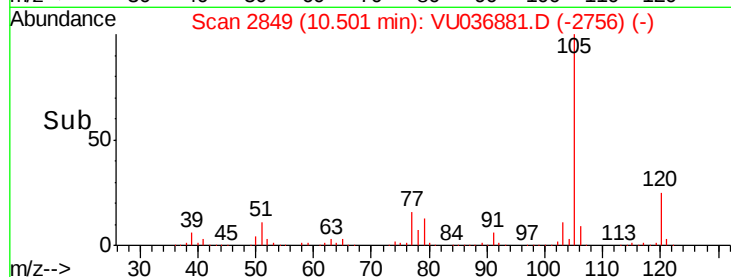
77 16.4 13.1 19.7



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: 109.158 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

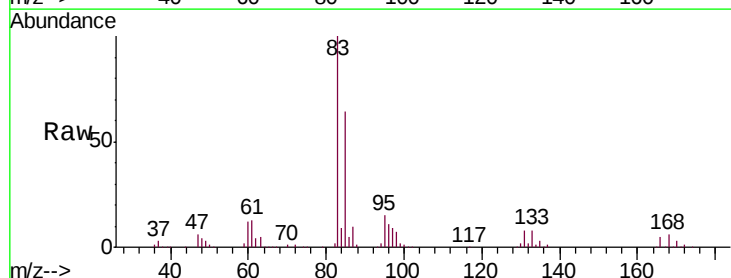
Tgt Ion: 83 Resp: 363008

Ion Ratio Lower Upper

83 100

85 64.3 45.5 84.5

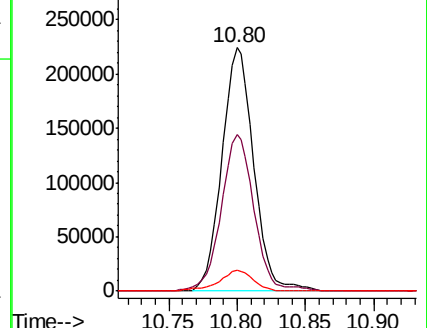
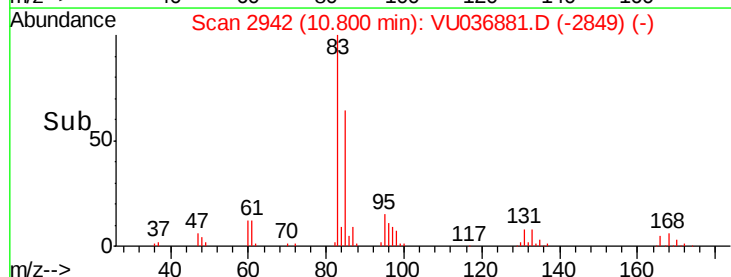
131 8.5 6.8 10.2

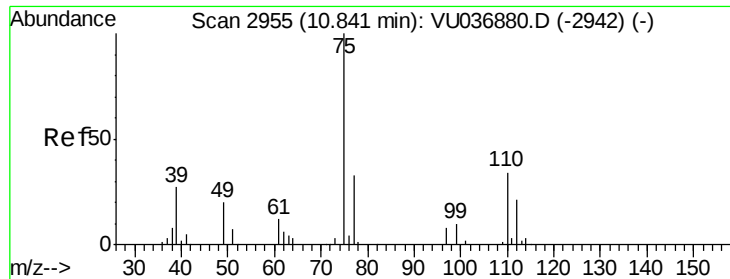


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 106.361 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

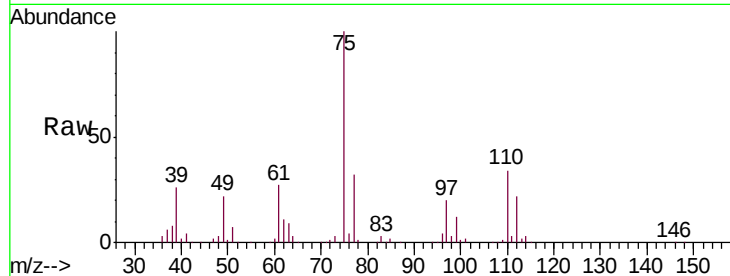
VSTD10035

Tgt Ion: 75 Resp: 293215

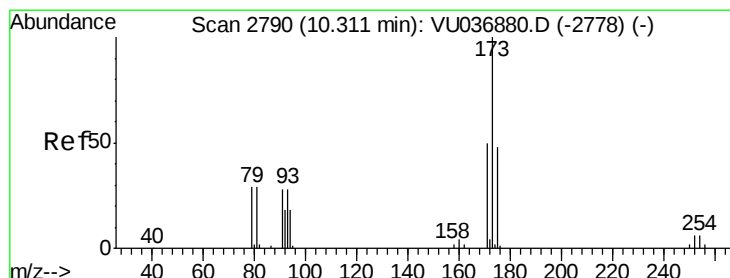
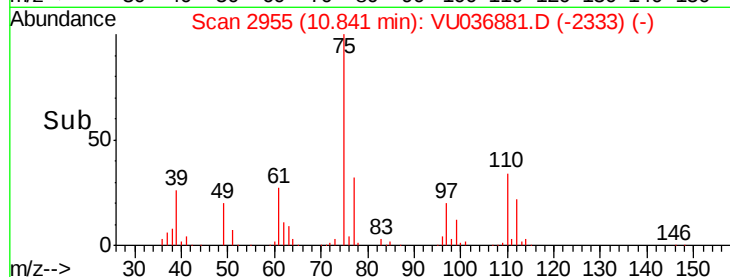
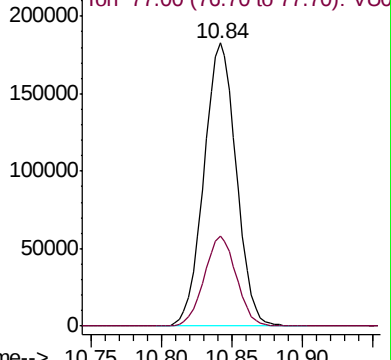
Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU036881.D (-2942) (-)



#61

Bromoform

Concen: 88.915 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

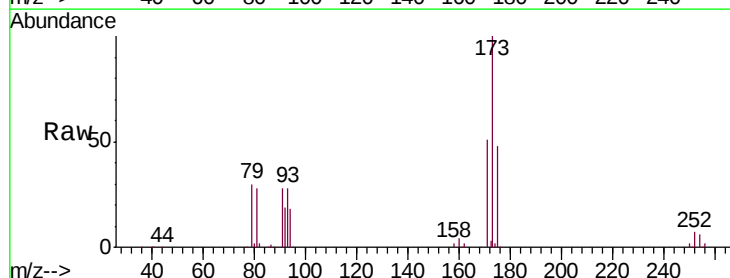
Tgt Ion: 173 Resp: 138397

Ion Ratio Lower Upper

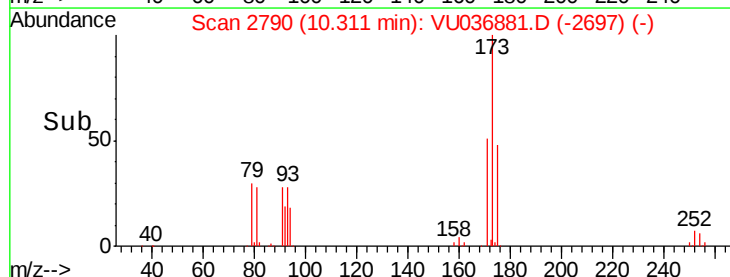
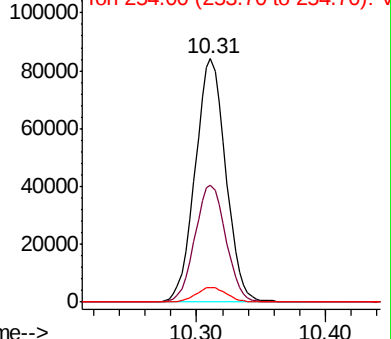
173 100

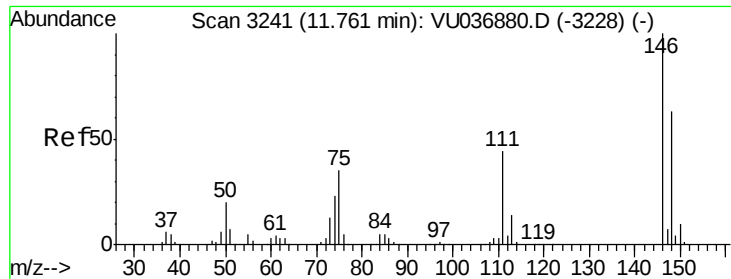
175 48.7 39.0 58.6

254 5.9 4.6 6.8



Abundance Ion 173.00 (172.70 to 173.70): VU036881.D (-2778) (-)





#62

1,3-Dichlorobenzene

Concen: 102.931 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

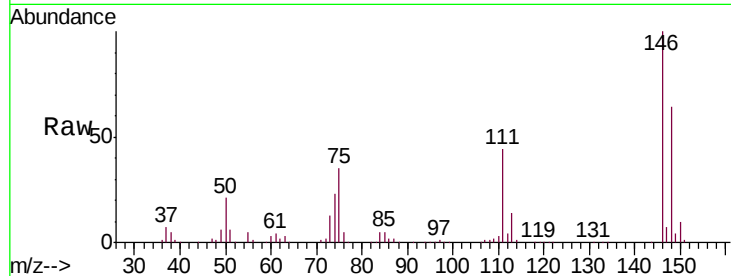
Tgt Ion:146 Resp: 384209

Ion Ratio Lower Upper

146 100

111 43.7 30.7 56.9

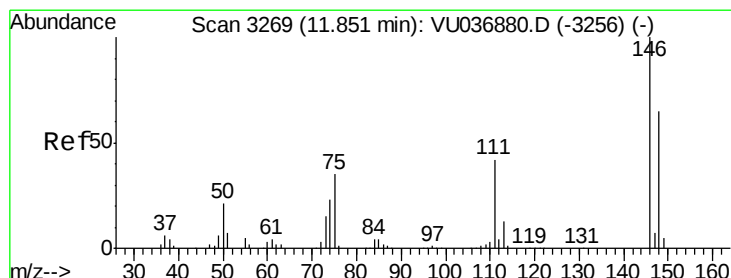
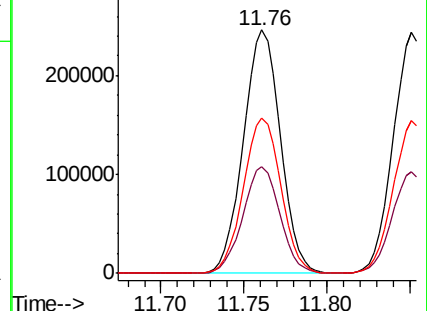
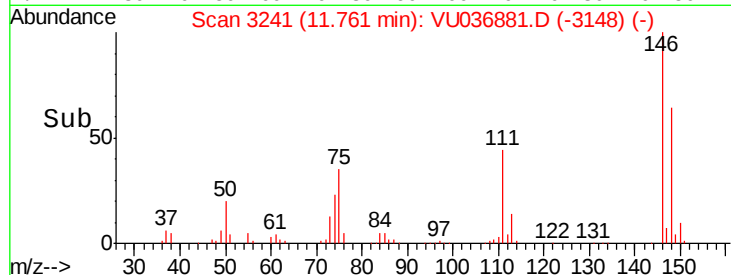
148 63.7 44.2 82.2



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: 101.918 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

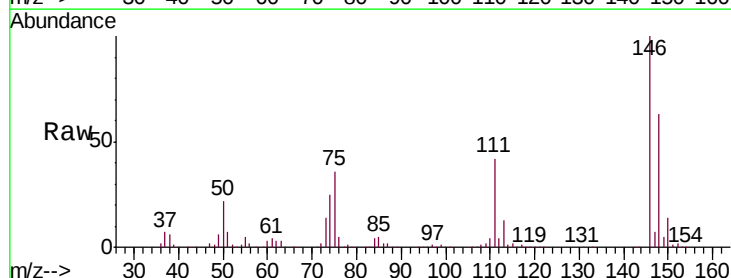
Tgt Ion:146 Resp: 379540

Ion Ratio Lower Upper

146 100

111 42.0 29.8 55.4

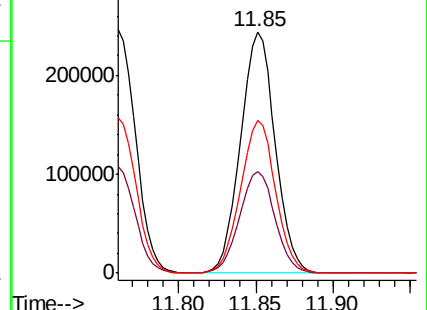
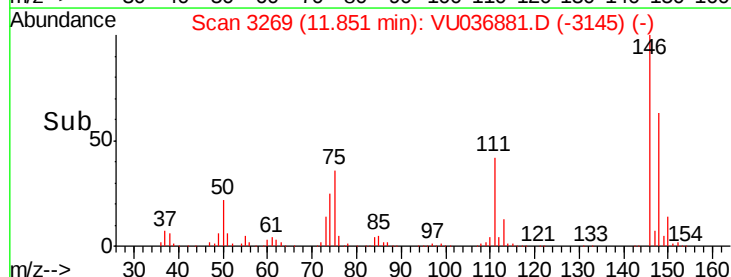
148 63.4 45.1 83.9

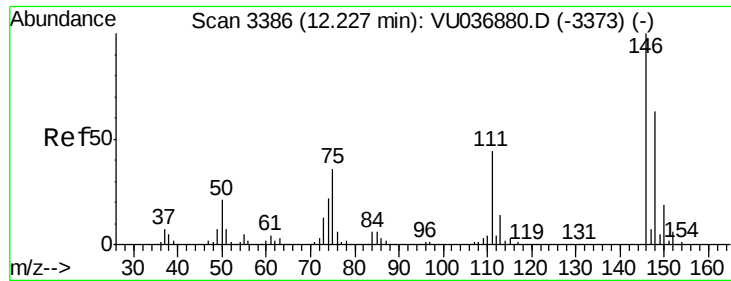


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 104.595 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

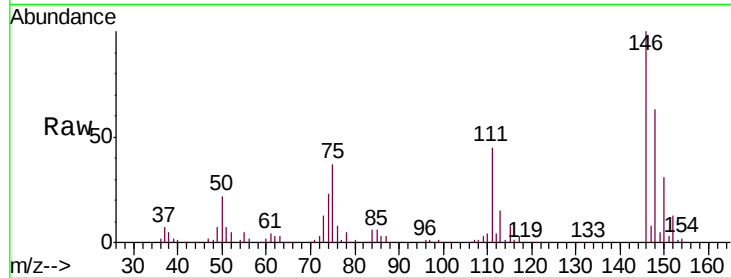
Tgt Ion:146 Resp: 385740

Ion Ratio Lower Upper

146 100

111 44.8 35.4 53.0

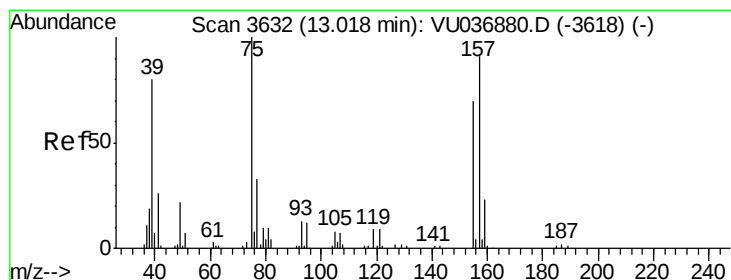
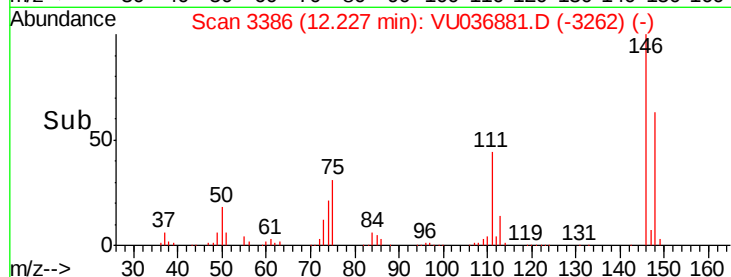
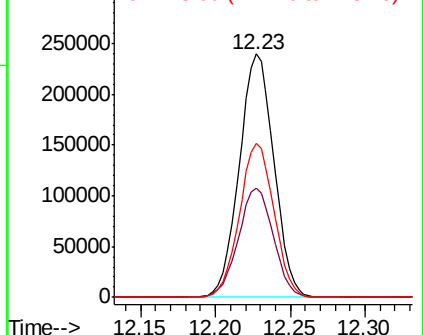
148 63.2 50.5 75.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 100.397 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

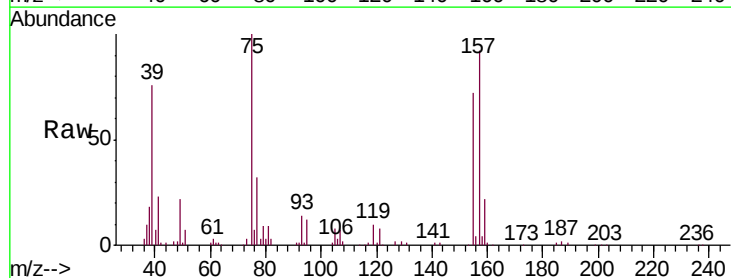
Tgt Ion: 75 Resp: 80766

Ion Ratio Lower Upper

75 100

155 72.0 55.7 83.5

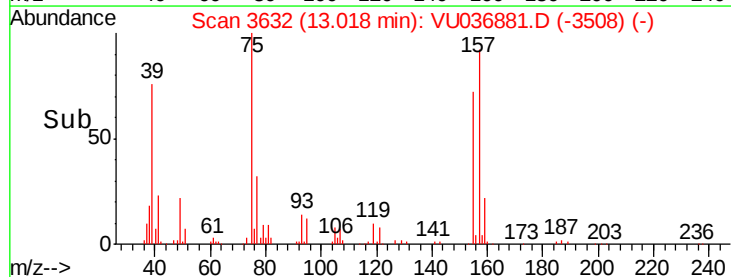
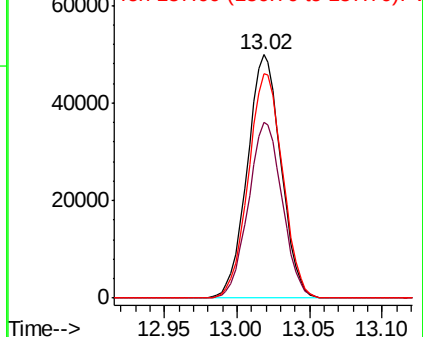
157 92.0 73.0 109.6

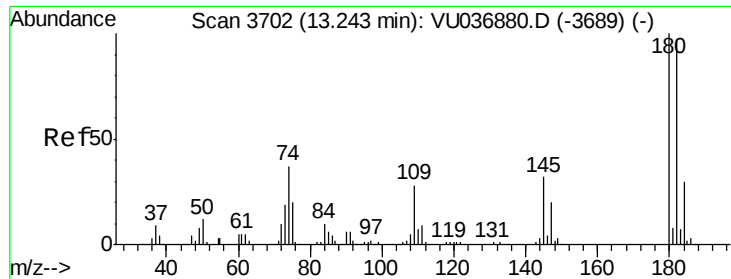


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 114.754 ug/L

RT: 13.24 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

Tgt Ion:180 Resp: 262564

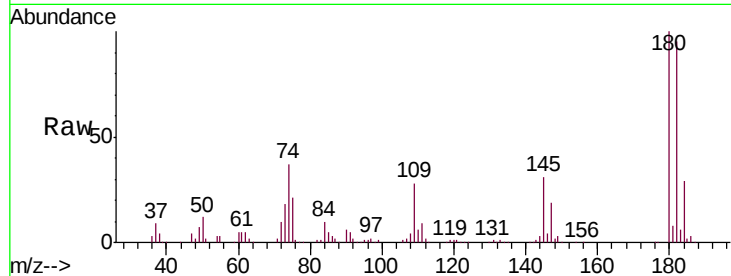
Ion Ratio Lower Upper

180 100

182 94.7 76.9 115.3

184 29.8 24.2 36.2

145 31.1 25.3 37.9

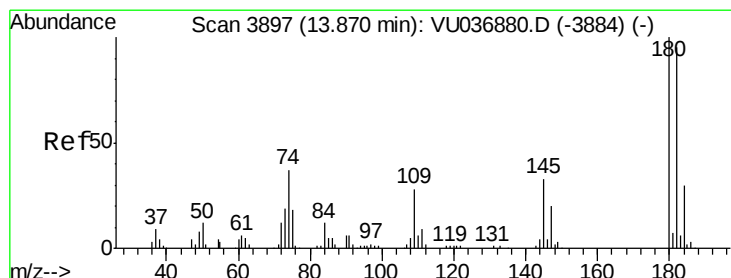
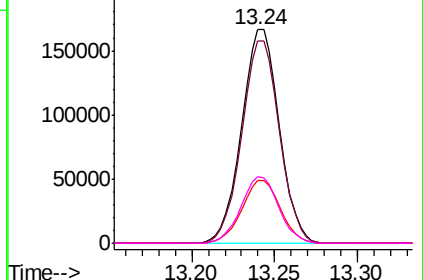
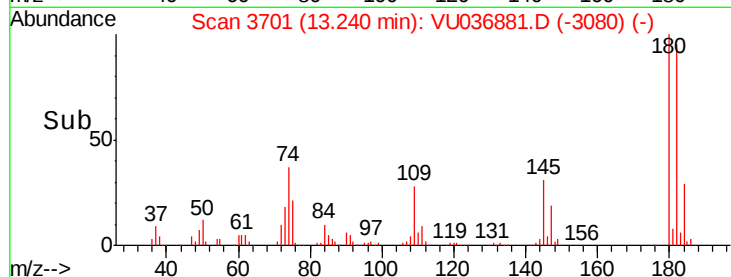


Abundance Ion 180.00 (179.70 to 180.70): V

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: 128.535 ug/L

RT: 13.87 min Scan# 3896

Delta R.T. -0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

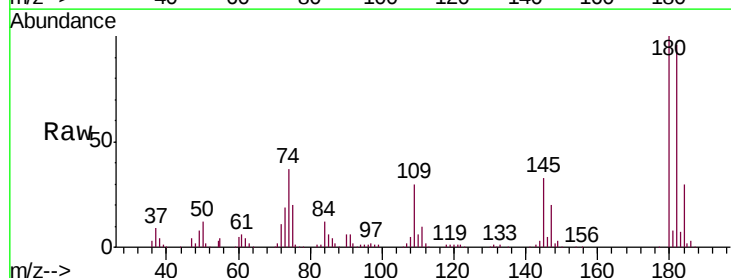
Tgt Ion:180 Resp: 218821

Ion Ratio Lower Upper

180 100

182 95.6 75.3 112.9

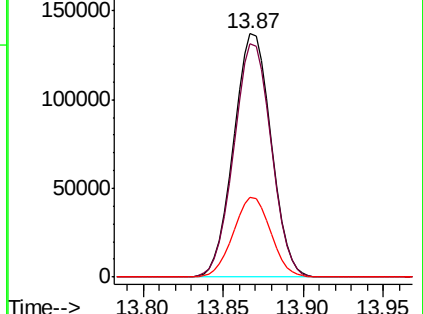
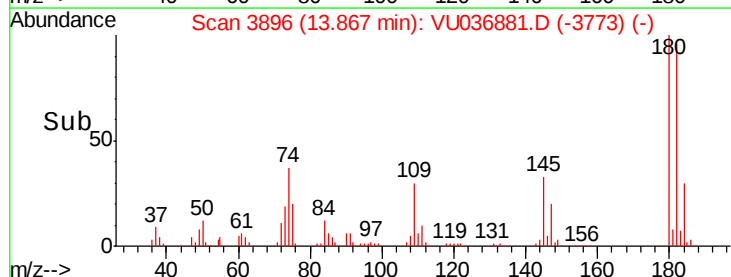
145 32.5 26.2 39.4

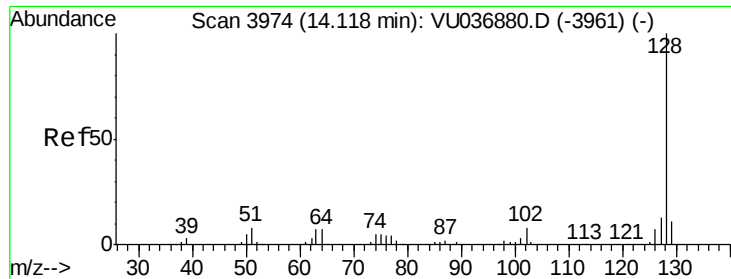


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 77.506 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

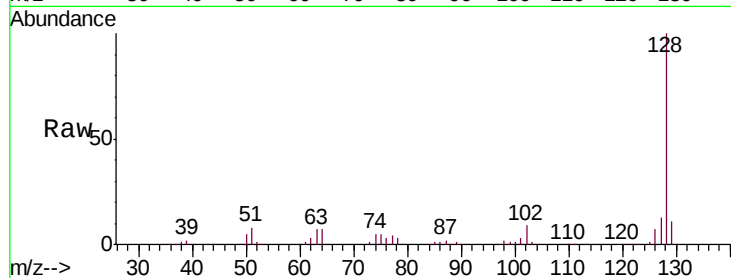
Tgt Ion:128 Resp: 400199

Ion Ratio Lower Upper

128 100

127 13.4 11.0 16.4

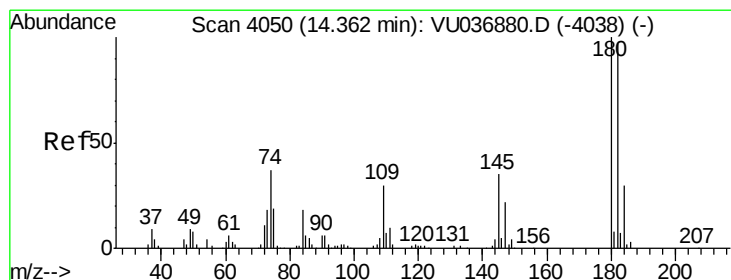
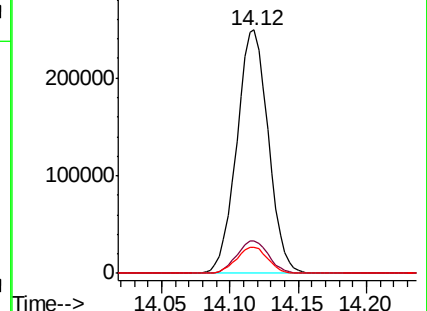
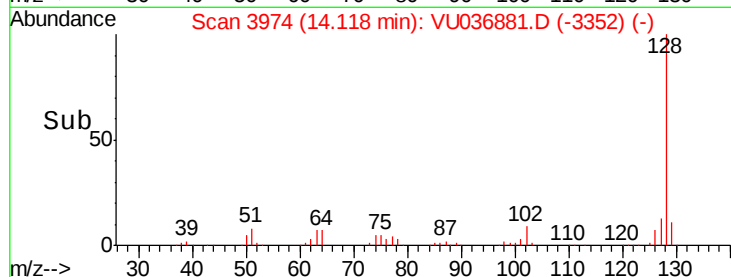
129 10.7 8.6 12.8



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: 123.507 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU036881.D

Acq: 24 Feb 2020 13:38

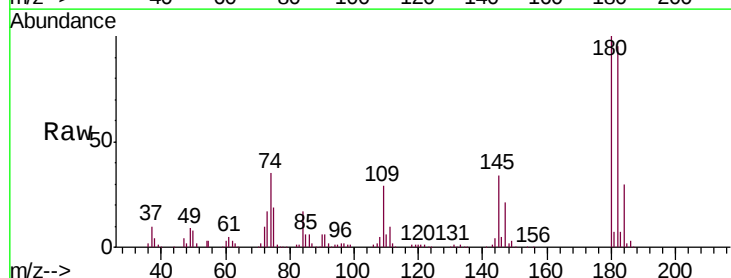
Tgt Ion:180 Resp: 217945

Ion Ratio Lower Upper

180 100

182 95.6 77.0 115.6

145 34.2 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

