

Data File : VU037053.D
Acq On : 04 Mar 2020 21:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Quant Time: Mar 05 01:02:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 05 00:57:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	256329	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	249354	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	106212	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	95533	44.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.76%
7) Chloroethane-d5	1.91	69	86688	48.67	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.34%
11) 1,1-Dichloroethene-d2	2.59	63	166326	46.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.28%
21) 2-Butanone-d5	4.67	46	143501	99.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.38%
24) Chloroform-d	5.10	84	172482	52.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.94%
26) 1,2-Dichloroethane-d4	5.74	65	114038	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.52%
32) Benzene-d6	5.76	84	354948	49.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.44%
36) 1,2-Dichloropropane-d6	6.72	67	117002	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.16%
41) Toluene-d8	7.92	98	326145	48.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.50%
43) trans-1,3-Dichloropropene-	8.20	79	48705	44.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.72%
47) 2-Hexanone-d5	8.66	63	106372	93.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.12%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	171081	51.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.88%
64) 1,2-Dichlorobenzene-d4	12.21	152	104313	50.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	108985	50.126	ug/L 100
3) Chloromethane	1.54	50	130263	52.077	ug/L 99
5) Vinyl chloride	1.62	62	131380	50.921	ug/L 98
6) Bromomethane	1.85	94	57308	43.291	ug/L 97
8) Chloroethane	1.93	64	80248	51.886	ug/L 100
9) Trichlorofluoromethane	2.15	101	142452	52.058	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	84997	51.925	ug/L 99
12) 1,1-Dichloroethene	2.60	96	83031	50.151	ug/L 92
13) Acetone	2.66	43	108018	72.729	ug/L 100
14) Carbon disulfide	2.81	76	235224	44.905	ug/L 100
15) Methyl Acetate	2.98	43	119275	52.688	ug/L 100
16) Methylene chloride	3.07	84	107542	53.255	ug/L 100
17) trans-1,2-Dichloroethene	3.38	96	87670	49.293	ug/L 99
18) Methyl tert-butyl Ether	3.40	73	297753	51.502	ug/L 100
19) 1,1-Dichloroethane	3.91	63	182747	52.880	ug/L 97
20) cis-1,2-Dichloroethene	4.71	96	102551	51.567	ug/L 98
22) 2-Butanone	4.75	43	169536	94.662	ug/L 100

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Quant Title : VOC Analysis
QLast Update : Thu Mar 05 00:57:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	49429	54.883	ug/L	98
25) Chloroform	5.13	83	180643	54.174	ug/L	99
27) 1,2-Dichloroethane	5.83	62	148889	54.846	ug/L	99
29) Cyclohexane	5.42	56	154849	46.797	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	138179	51.685	ug/L	98
31) Carbon tetrachloride	5.56	117	110784	52.868	ug/L	98
33) Benzene	5.81	78	408136	51.810	ug/L	100
34) Trichloroethene	6.57	95	100866	52.096	ug/L	99
35) Methylcyclohexane	6.79	83	155684	46.377	ug/L	100
37) 1,2-Dichloropropane	6.82	63	111584	52.608	ug/L	99
38) Bromodichloromethane	7.13	83	131329	52.455	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	161799	49.521	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	327709	104.854	ug/L	99
42) Toluene	8.00	91	436644	52.028	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	141560	49.946	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	101557	53.843	ug/L	98
46) Tetrachloroethene	8.58	164	63813	50.031	ug/L	99
48) 2-Hexanone	8.71	43	254839	102.178	ug/L	99
49) Dibromochloromethane	8.83	129	95884	53.558	ug/L	99
50) 1,2-Dibromoethane	8.95	107	102968	52.205	ug/L	98
51) Chlorobenzene	9.47	112	256867	51.655	ug/L	100
52) Ethylbenzene	9.59	91	463746	50.972	ug/L	99
53) m,p-Xylene	9.71	106	173071	51.860	ug/L	98
54) o-xylene	10.12	106	173682	52.180	ug/L	99
55) Styrene	10.13	104	285024	52.383	ug/L	99
56) Isopropylbenzene	10.50	105	439013	51.352	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	186860	55.415	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	149465	54.778	ug/L	99
61) Bromoform	10.31	173	65870	54.854	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	176956	51.358	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	172964	50.810	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	184187	53.539	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	35105	51.435	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	111639	51.047	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	77140	47.079	ug/L	97
69) Naphthalene	14.12	128	121685	42.070	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	80977	49.455	ug/L	99

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

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Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

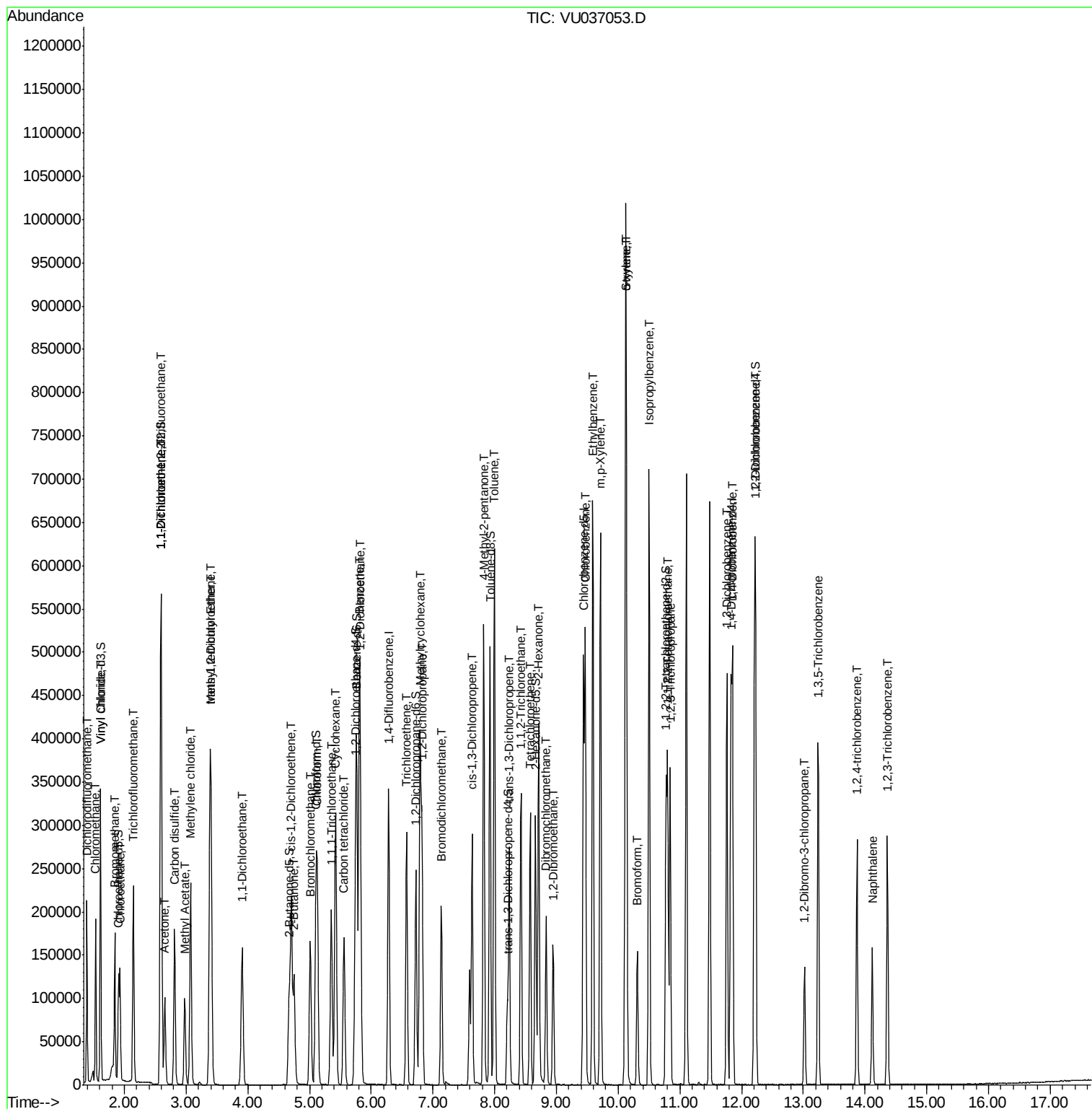
Quant Time: Mar 05 01:02:13 2020

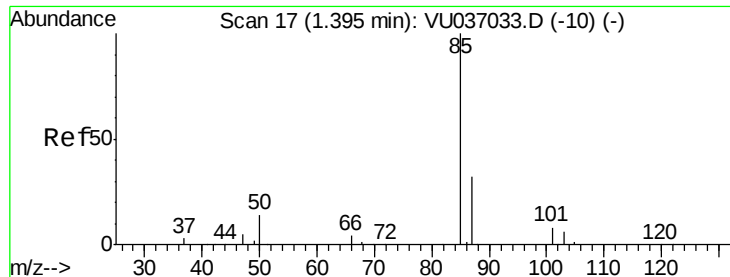
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM022420WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 05 00:57:10 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 50.126 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

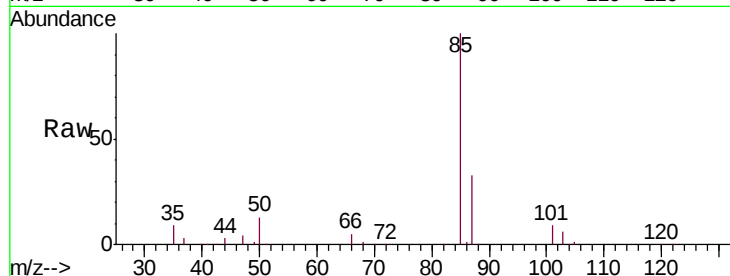
VSTD05046

Tgt Ion: 85 Resp: 108985

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU037053.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU037053.D (-1) (-)

1.39

120000

100000

80000

60000

40000

20000

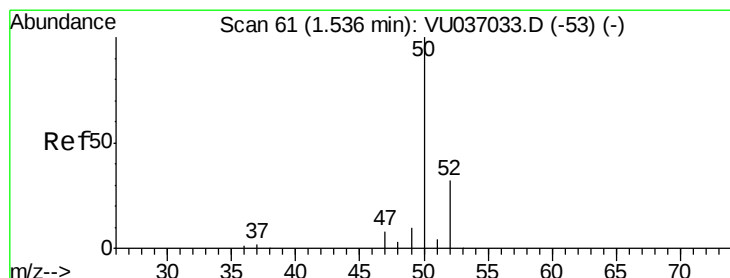
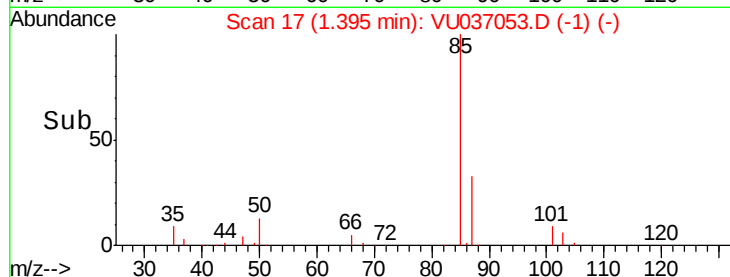
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 52.077 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037053.D

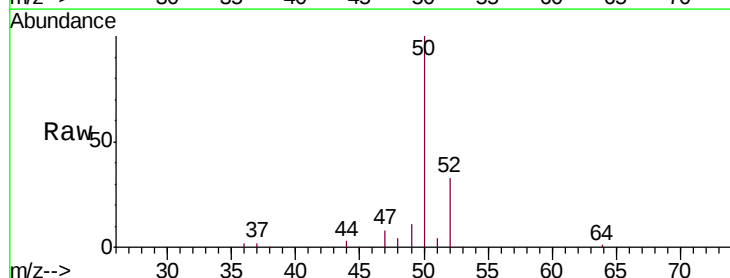
Acq: 04 Mar 2020 21:22

Tgt Ion: 50 Resp: 130263

Ion Ratio Lower Upper

50 100

52 33.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU037053.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU037053.D (-1) (-)

1.54

100000

50000

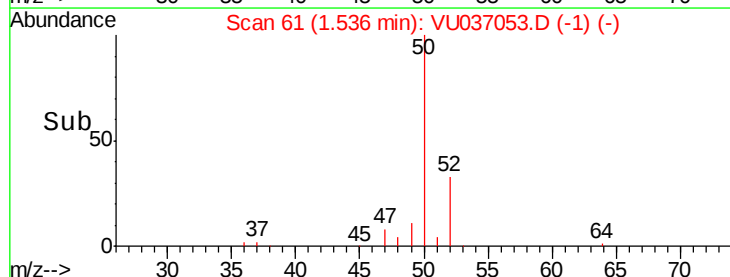
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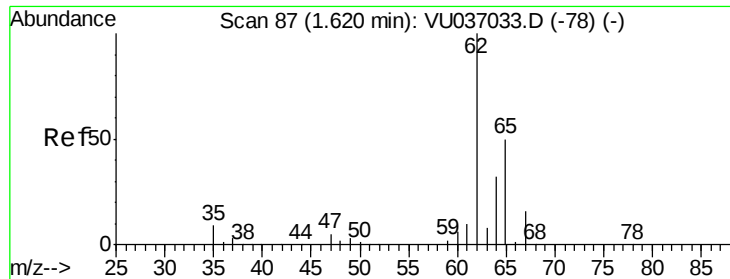
1.50

1.55

1.60

Time-->





#5

Vinyl chloride

Concen: 50.921 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

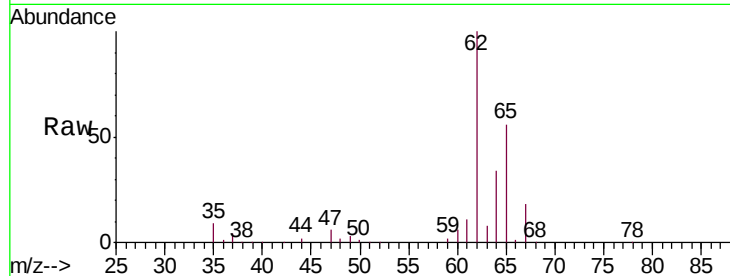
VSTD05046

Tgt Ion: 62 Resp: 131380

Ion Ratio Lower Upper

62 100

64 33.9 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU037053.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037053.D (-1) (-)

150000

100000

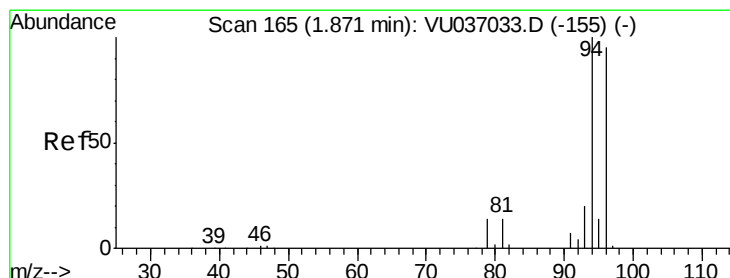
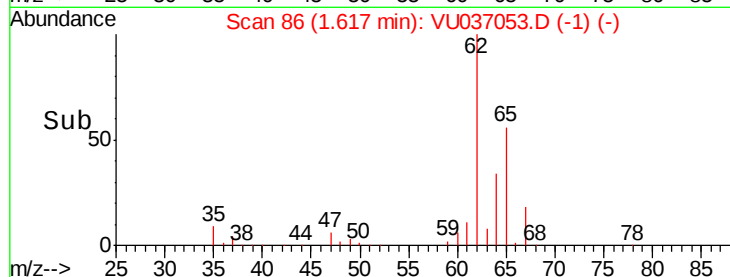
50000

0

1.62

1.60 1.65

Time-->



#6

Bromomethane

Concen: 43.291 ug/L

RT: 1.85 min Scan# 158

Delta R.T. -0.02 min

Lab File: VU037053.D

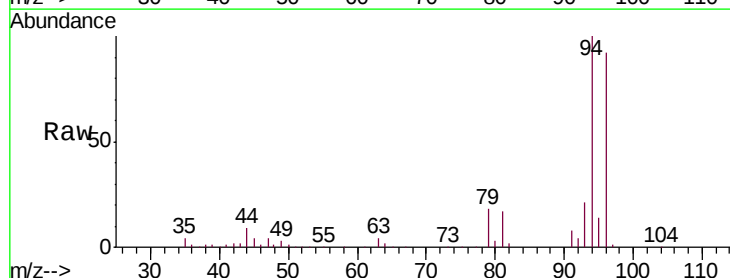
Acq: 04 Mar 2020 21:22

Tgt Ion: 94 Resp: 57308

Ion Ratio Lower Upper

94 100

96 91.7 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU037053.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU037053.D (-72) (-)

60000

50000

40000

30000

20000

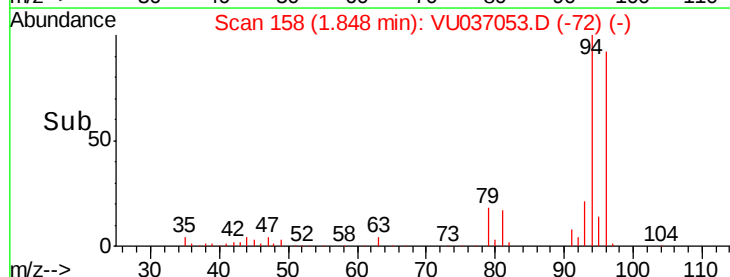
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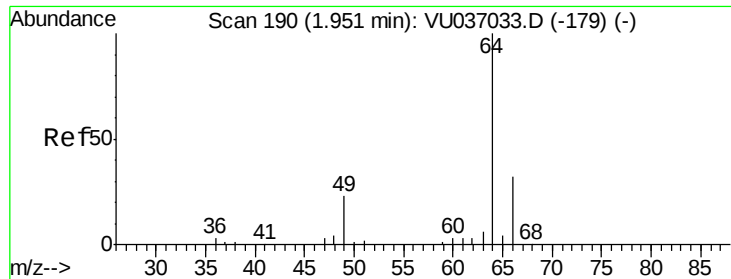
0

1.85

1.80 1.90

Time-->

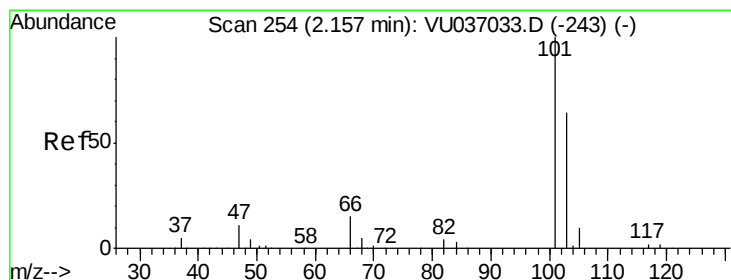
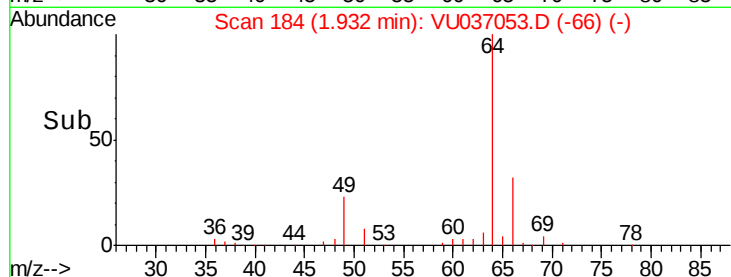
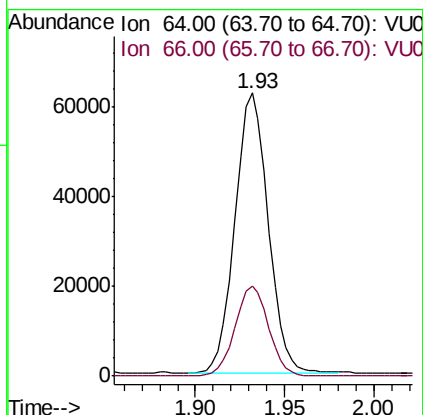
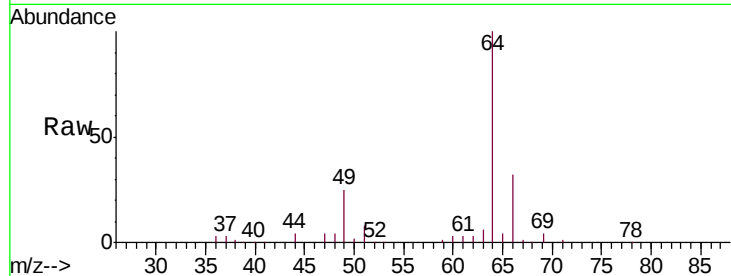




#8
Chloroethane
Concen: 51.886 ug/L
RT: 1.93 min Scan# 184
Delta R.T. -0.02 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

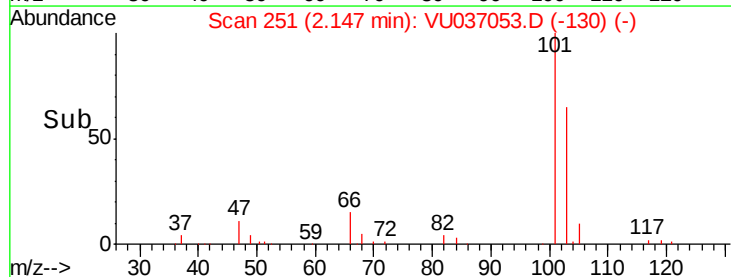
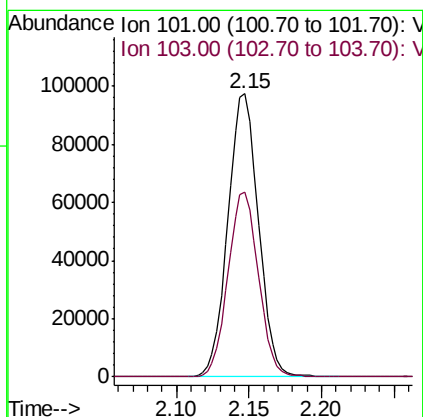
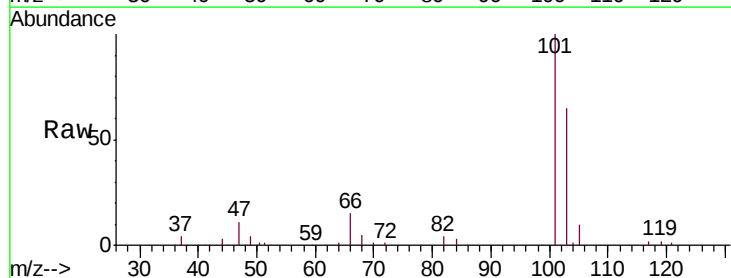
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

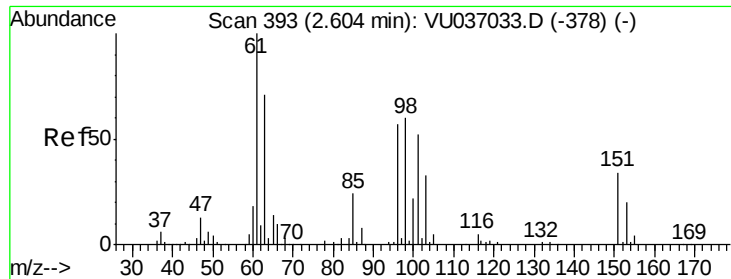
Tgt Ion: 64 Resp: 80248
Ion Ratio Lower Upper
64 100
66 32.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 52.058 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.01 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

Tgt Ion: 101 Resp: 142452
Ion Ratio Lower Upper
101 100
103 65.1 50.9 76.3





#10

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

Concen: 51.925 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

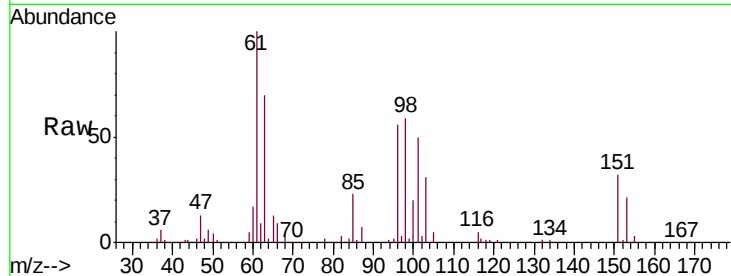
Tgt Ion:101 Resp: 84997

Ion Ratio Lower Upper

101 100

85 44.5 36.4 54.6

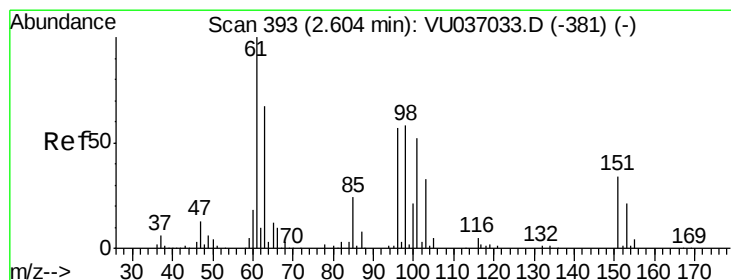
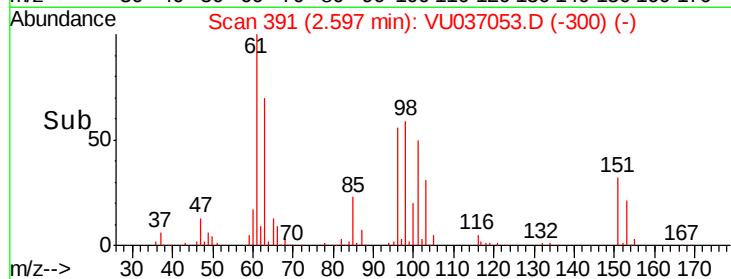
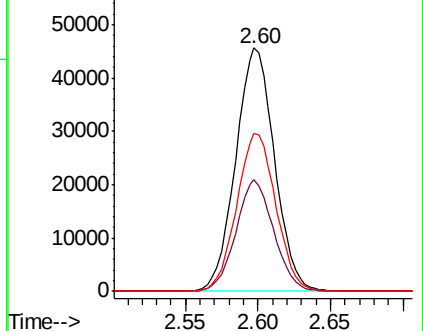
151 65.3 52.4 78.6



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: 50.151 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

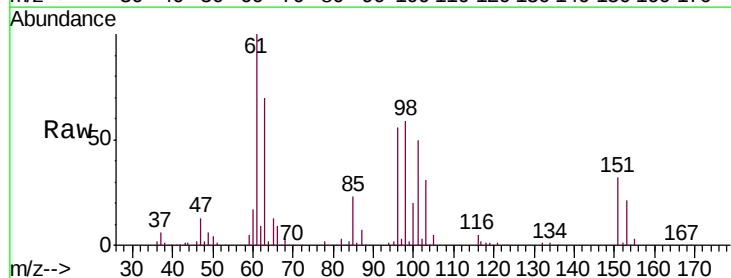
Tgt Ion: 96 Resp: 83031

Ion Ratio Lower Upper

96 100

61 179.3 127.5 236.7

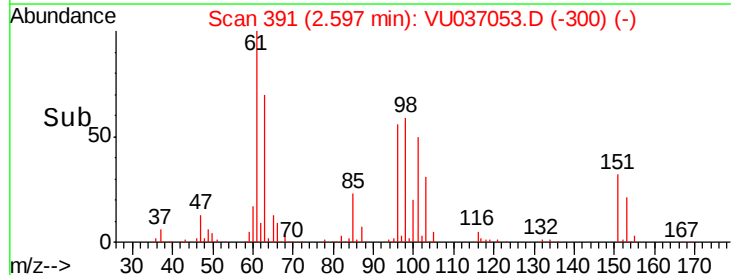
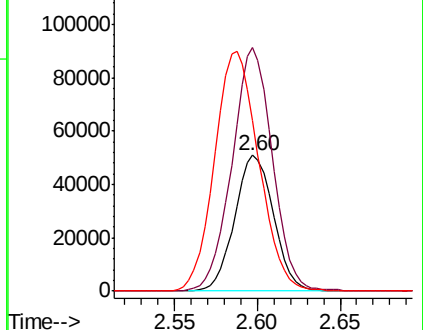
63 125.3 101.4 188.2

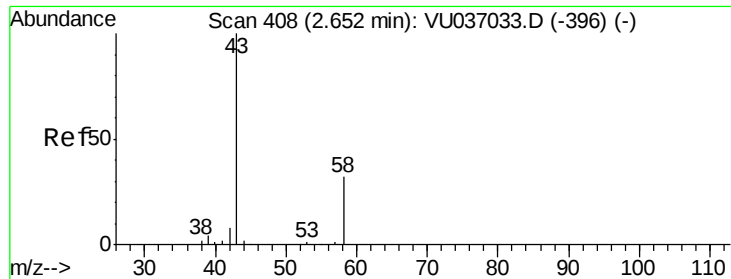


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 72.729 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

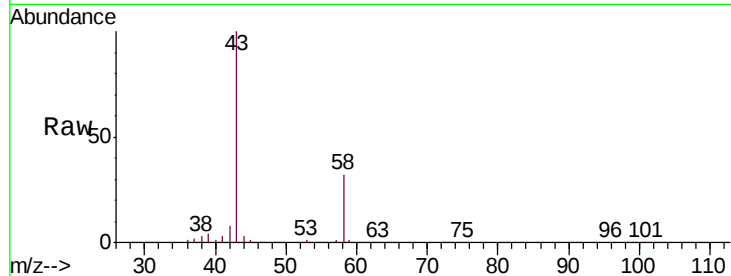
VSTD05046

Tgt Ion: 43 Resp: 108018

Ion Ratio Lower Upper

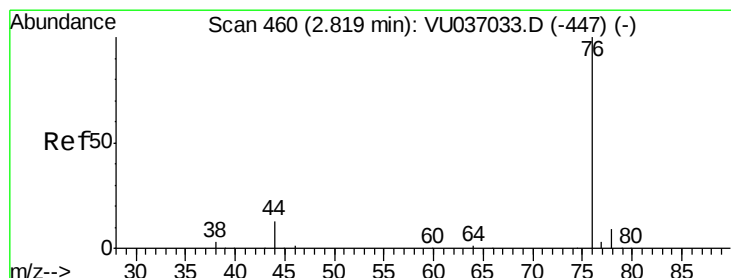
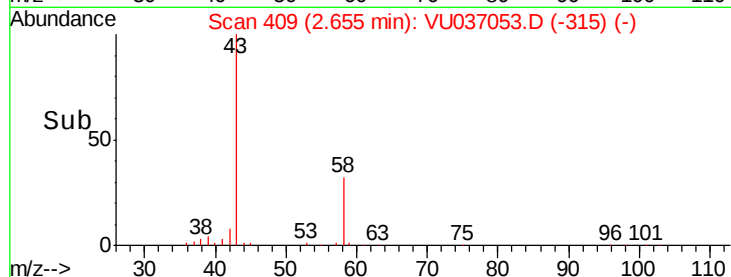
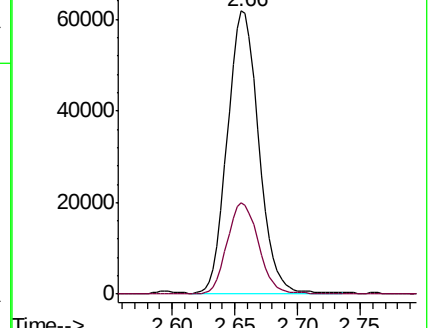
43 100

58 32.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037033.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VU037033.D (-396) (-)



#14

Carbon disulfide

Concen: 44.905 ug/L

RT: 2.81 min Scan# 458

Delta R.T. -0.01 min

Lab File: VU037053.D

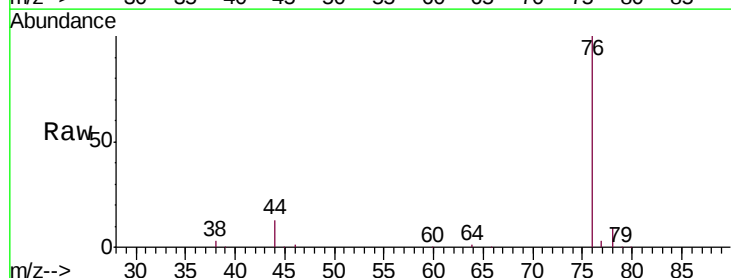
Acq: 04 Mar 2020 21:22

Tgt Ion: 76 Resp: 235224

Ion Ratio Lower Upper

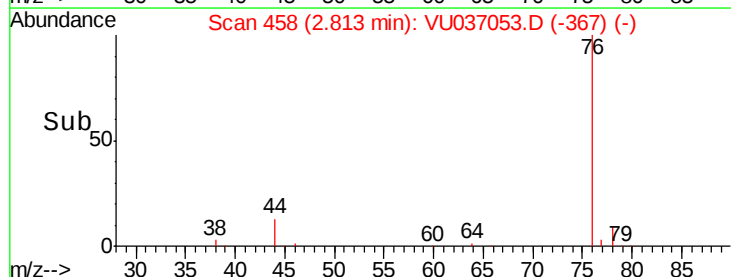
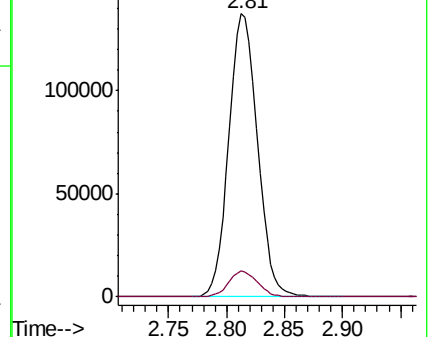
76 100

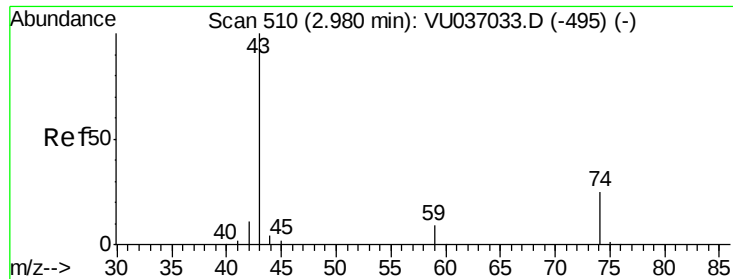
78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU037033.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU037033.D (-447) (-)

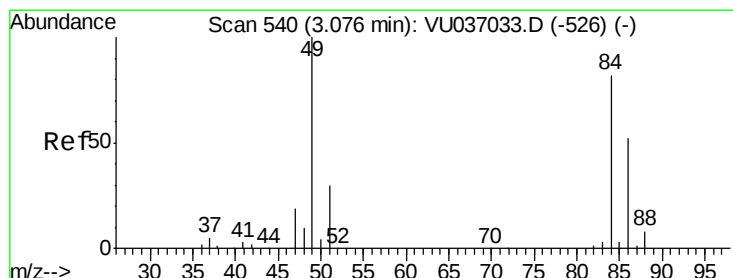
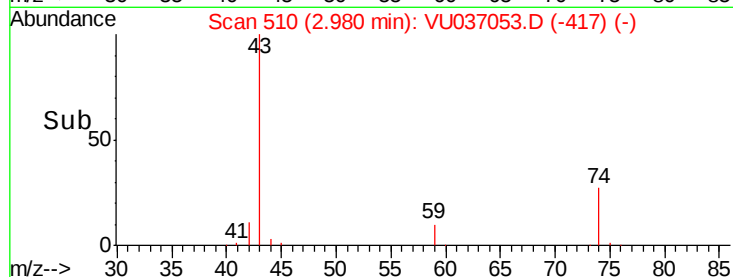
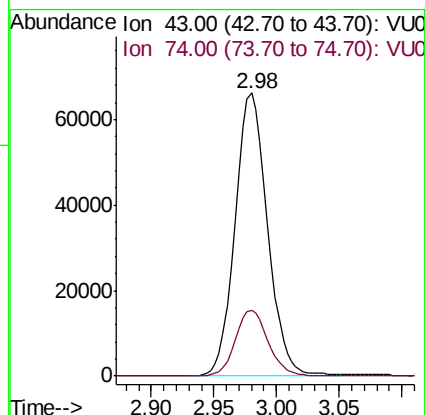
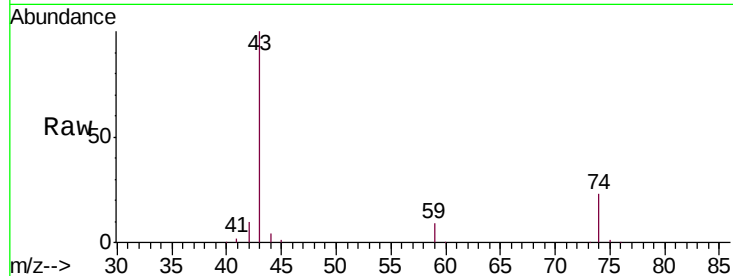




#15
Methyl Acetate
Concen: 52.688 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

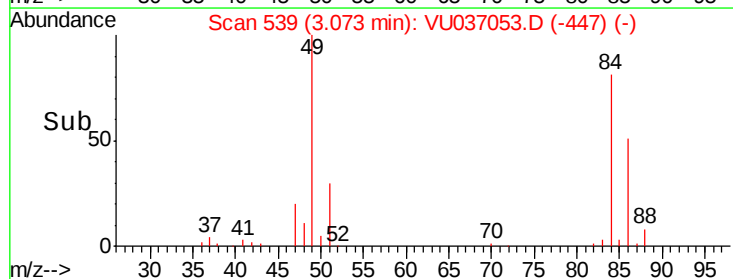
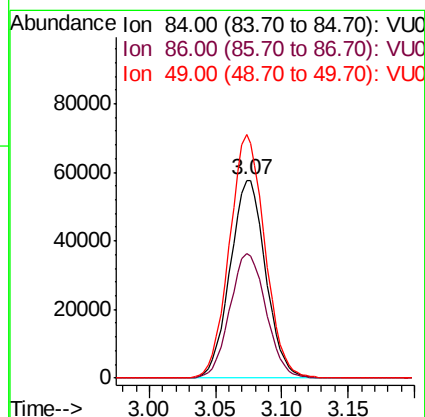
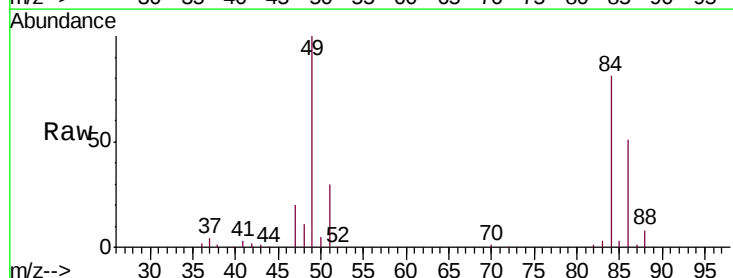
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

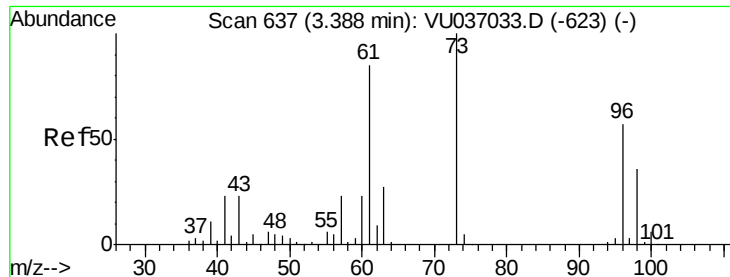
Tgt Ion: 43 Resp: 119275
Ion Ratio Lower Upper
43 100
74 23.5 19.0 28.4



#16
Methylene chloride
Concen: 53.255 ug/L
RT: 3.07 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

Tgt Ion: 84 Resp: 107542
Ion Ratio Lower Upper
84 100
86 63.2 44.4 82.5
49 123.0 85.9 159.5

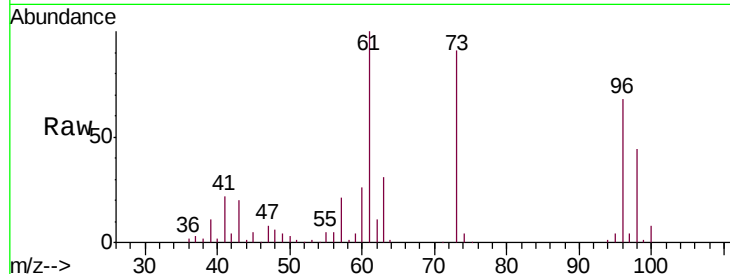




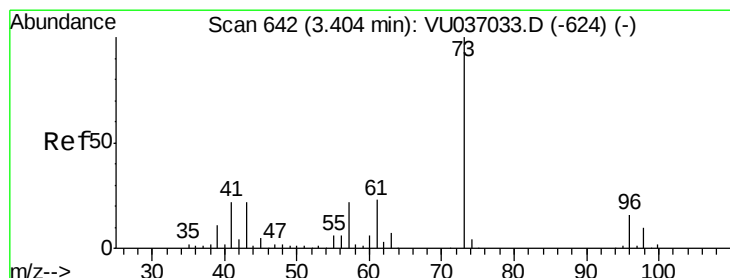
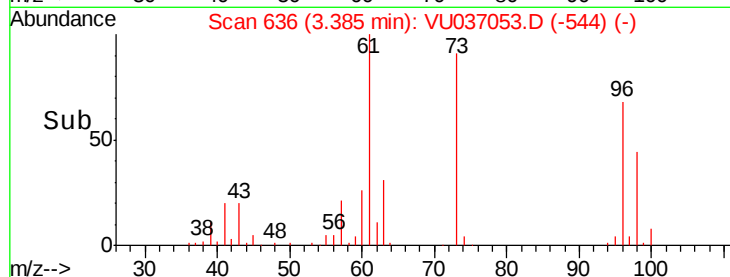
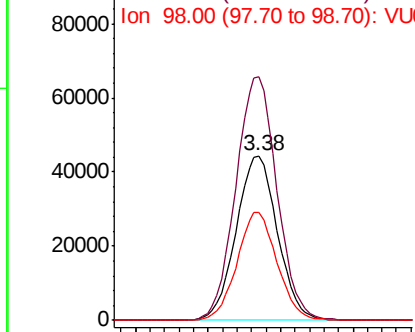
#17
trans-1,2-Dichloroethene
Concen: 49.293 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Tgt Ion: 96 Resp: 87670
Ion Ratio Lower Upper
96 100
61 147.9 103.8 192.8
98 65.3 44.2 82.2

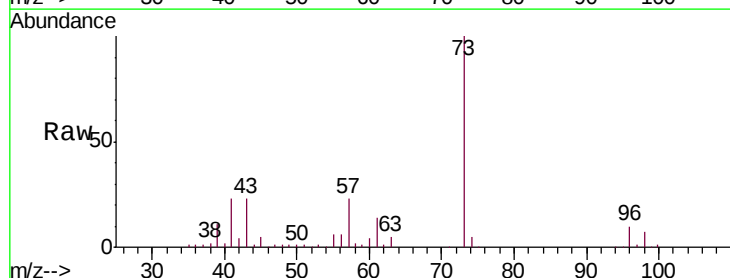


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

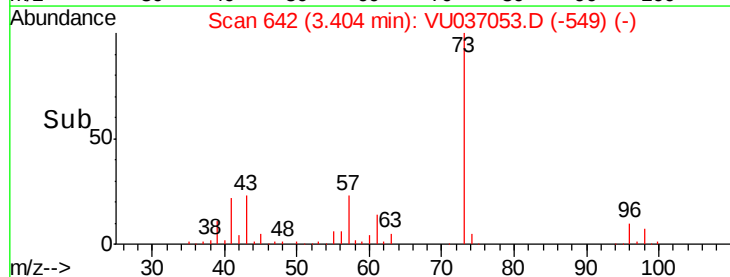
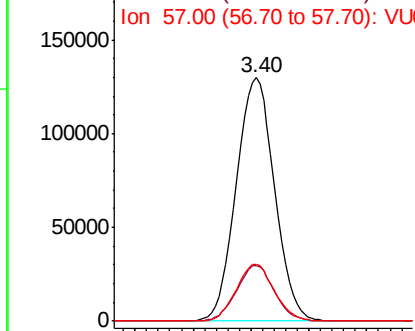


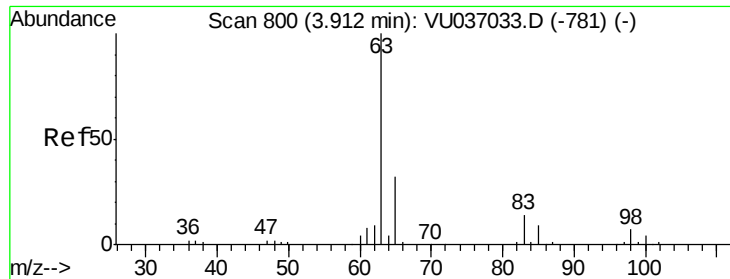
#18
Methyl tert-butyl Ether
Concen: 51.502 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

Tgt Ion: 73 Resp: 297753
Ion Ratio Lower Upper
73 100
43 22.6 18.1 27.1
57 23.1 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

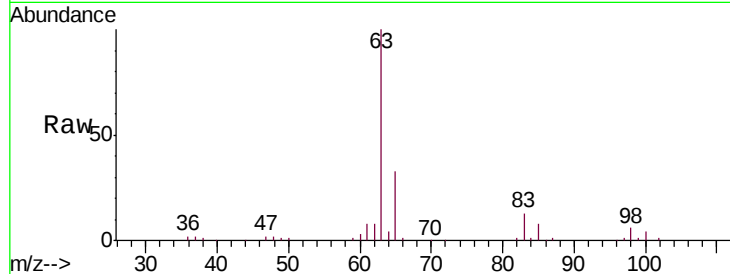




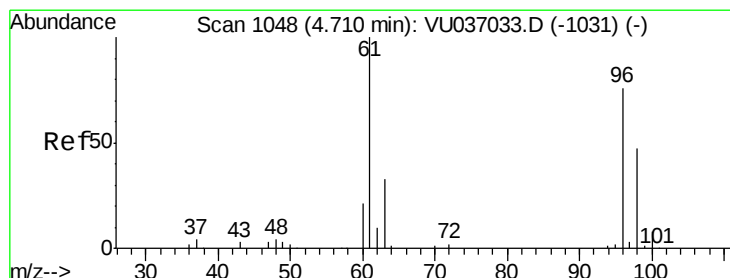
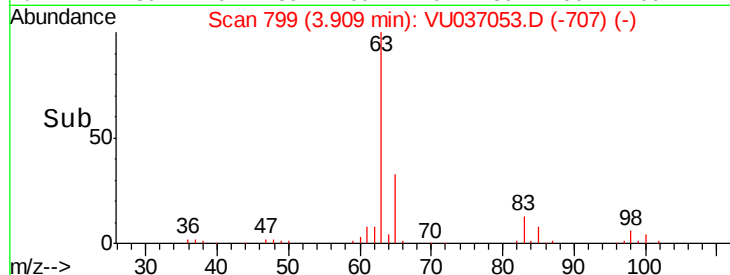
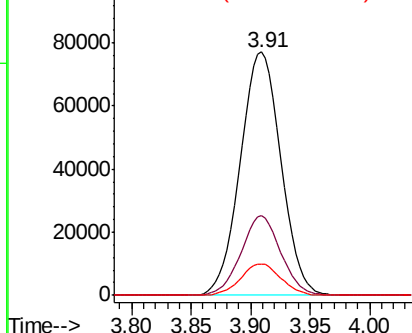
#19
 1,1-Dichloroethane
 Concen: 52.880 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037053.D
 Acq: 04 Mar 2020 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion: 63 Resp: 182747
 Ion Ratio Lower Upper
 63 100
 65 32.8 21.3 39.5
 83 13.0 9.2 17.2

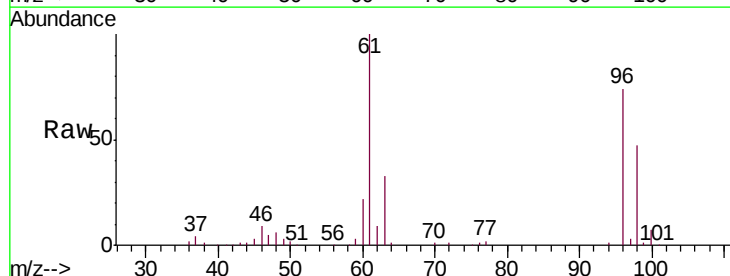


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

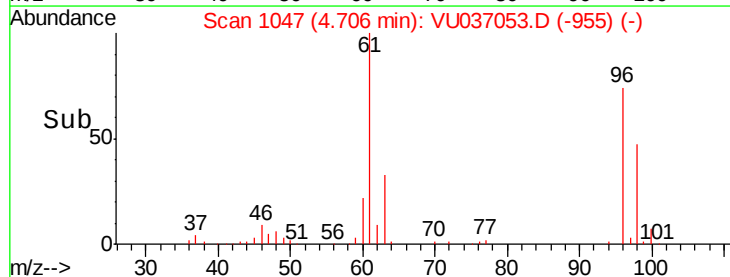
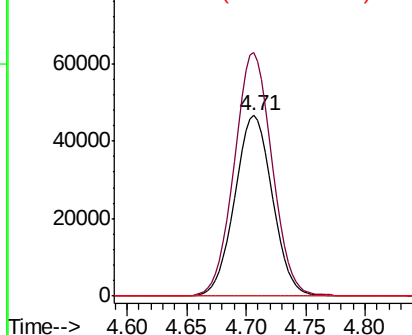


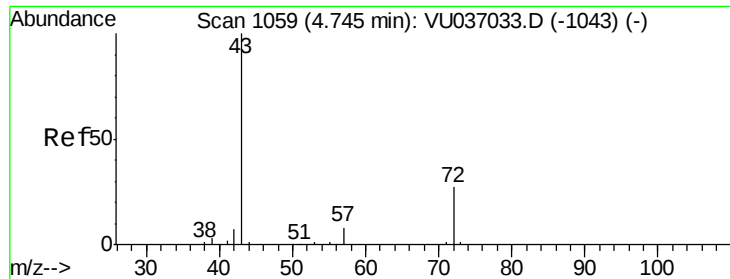
#20
 cis-1,2-Dichloroethene
 Concen: 51.567 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037053.D
 Acq: 04 Mar 2020 21:22

Tgt Ion: 96 Resp: 102551
 Ion Ratio Lower Upper
 96 100
 61 134.9 93.1 172.9
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 94.662 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

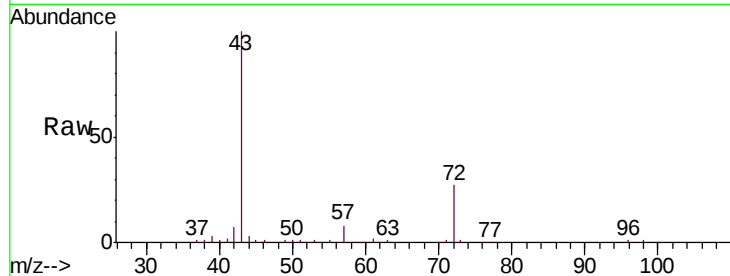
VSTD05046

Tgt Ion: 43 Resp: 169536

Ion Ratio Lower Upper

43 100

72 27.8 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU037053.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU037053.D (-966) (-)

4.75

80000

60000

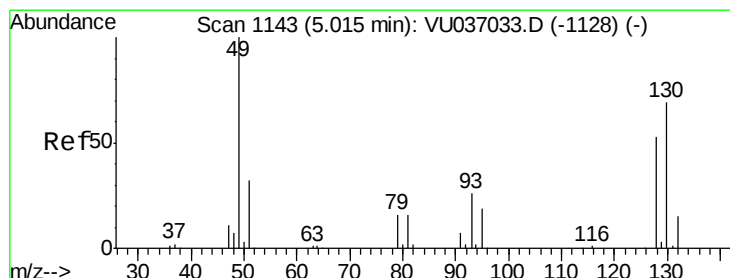
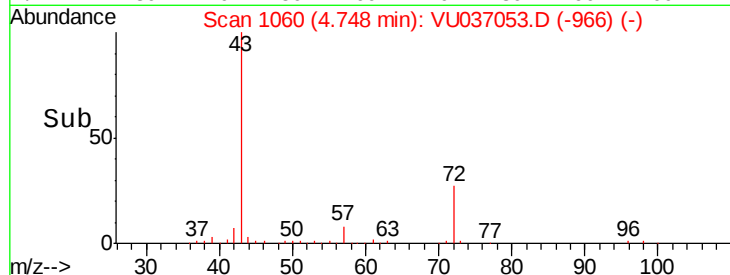
40000

20000

0

4.70 4.80

Time-->



#23

Bromochloromethane

Concen: 54.883 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Tgt Ion: 128 Resp: 49429

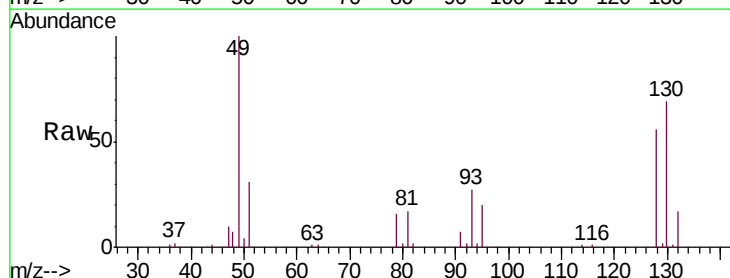
Ion Ratio Lower Upper

128 100

49 178.3 126.5 234.9

130 123.0 86.0 159.8

51 55.7 47.3 70.9



Abundance Ion 128.00 (127.70 to 128.70): VU037053.D (-1050) (-)

Ion 49.00 (48.70 to 49.70): VU037053.D (-1050) (-)

Ion 130.00 (129.70 to 130.70): VU037053.D (-1050) (-)

Ion 51.00 (50.70 to 51.70): VU037053.D (-1050) (-)

5.02

60000

50000

40000

30000

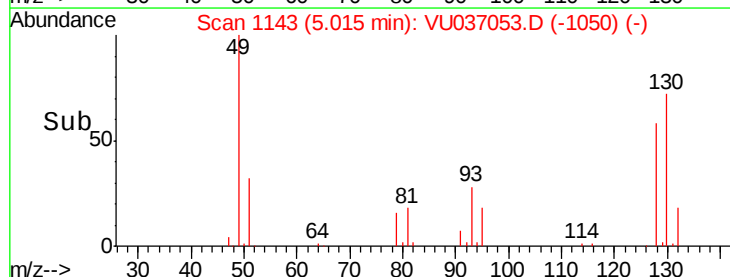
20000

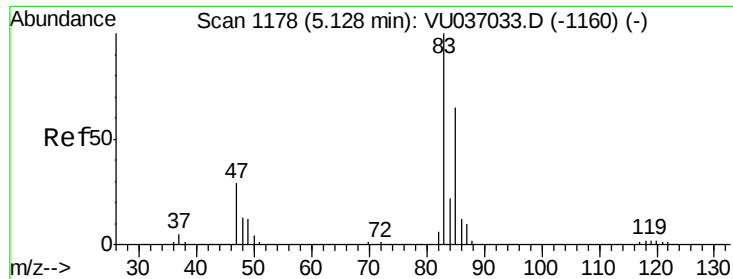
10000

0

4.95 5.05 5.10

Time-->

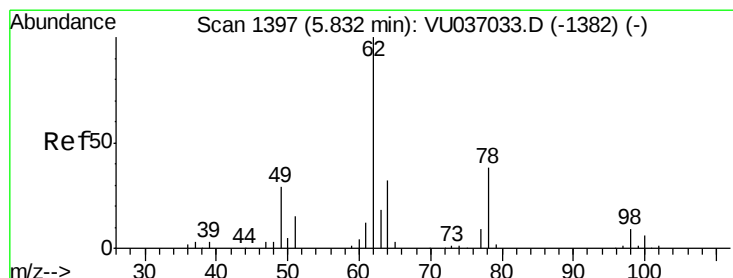
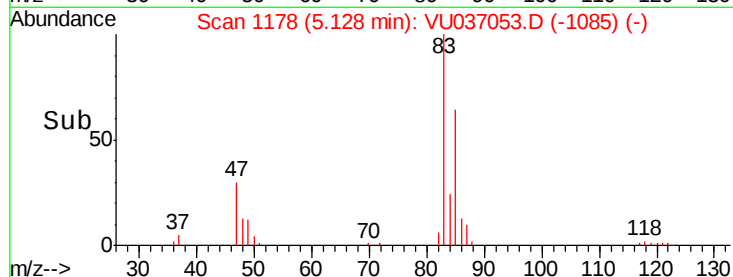
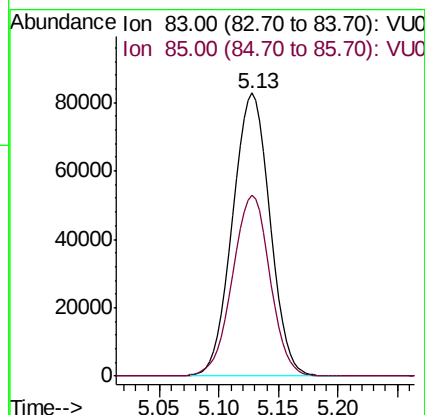
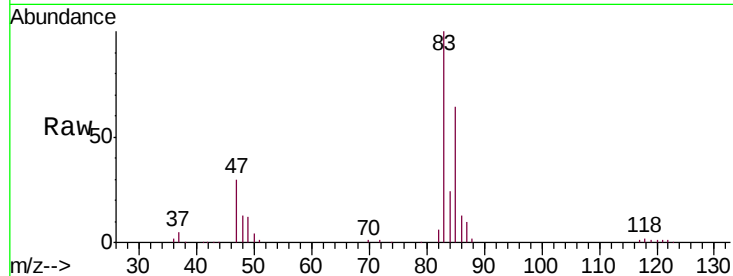




#25
Chloroform
Concen: 54.174 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

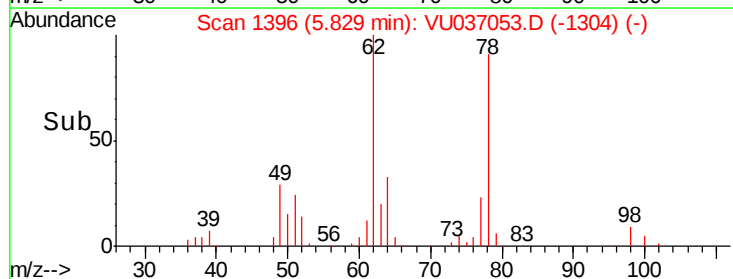
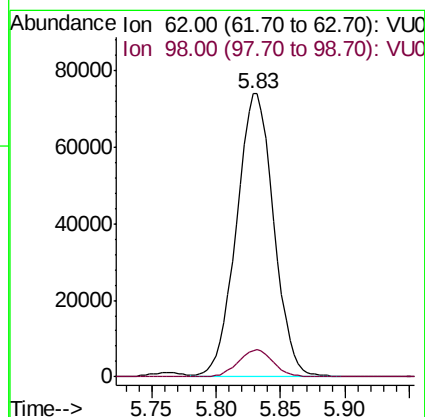
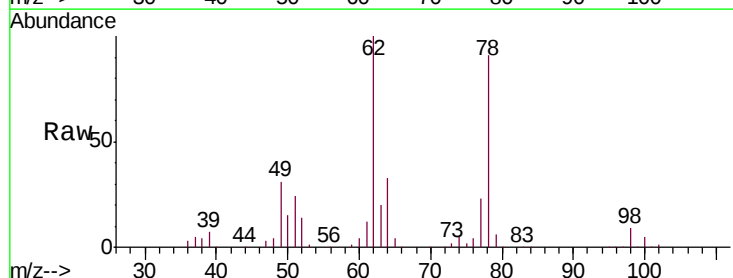
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

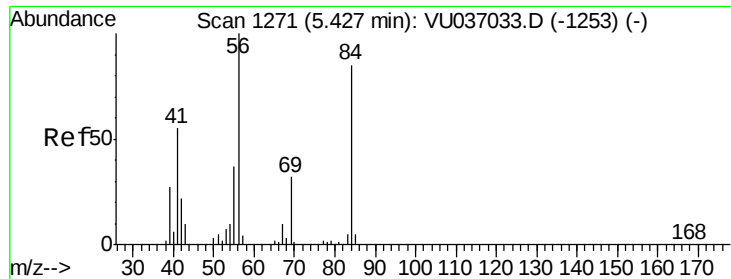
Tgt Ion: 83 Resp: 180643
Ion Ratio Lower Upper
83 100
85 64.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 54.846 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

Tgt Ion: 62 Resp: 148889
Ion Ratio Lower Upper
62 100
98 9.3 7.1 10.7

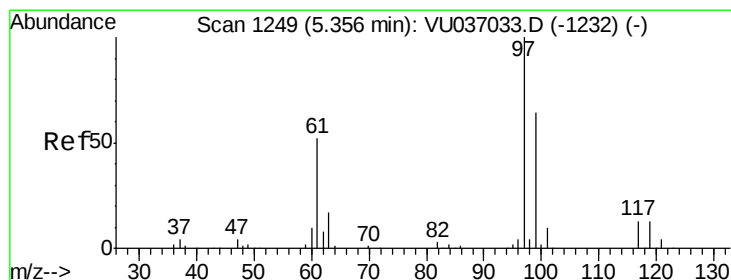
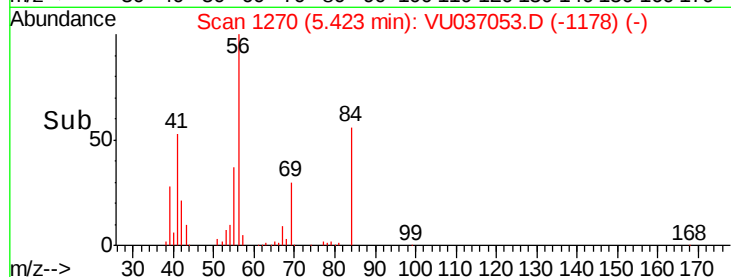
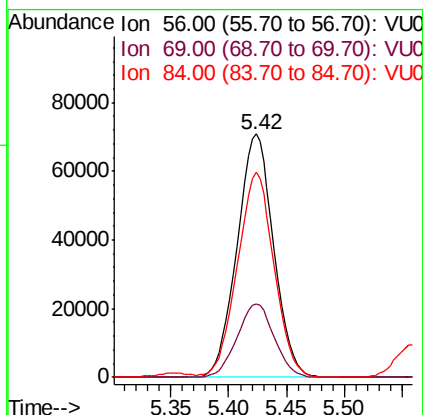
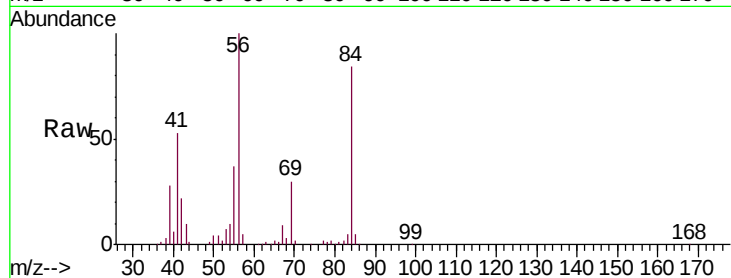




#29
Cyclohexane
Concen: 46.797 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

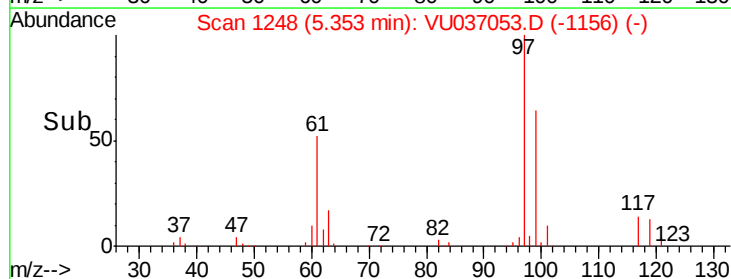
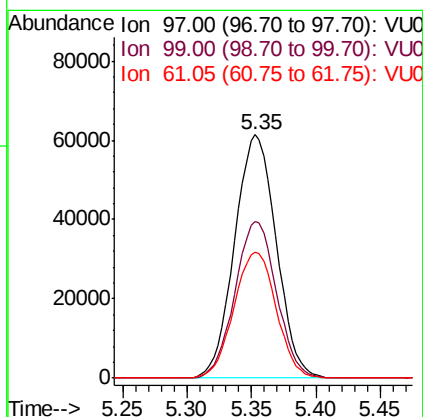
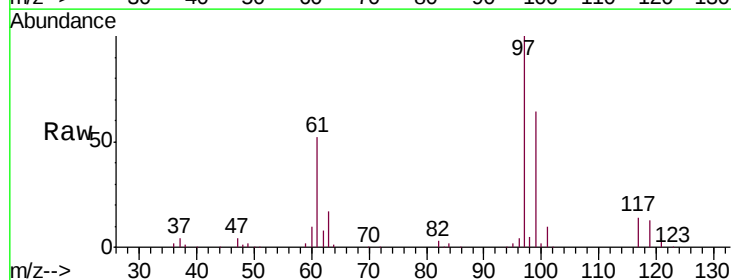
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

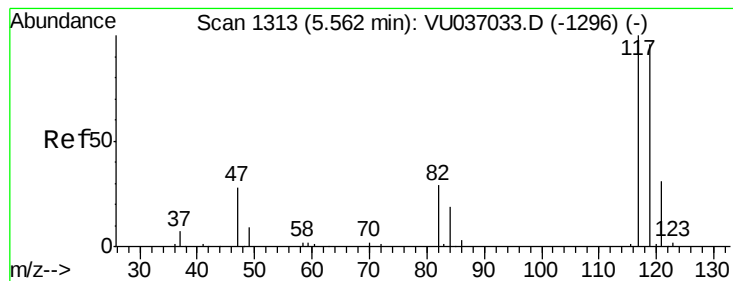
Tgt Ion: 56 Resp: 154849
Ion Ratio Lower Upper
56 100
69 30.7 24.6 37.0
84 84.8 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 51.685 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

Tgt Ion: 97 Resp: 138179
Ion Ratio Lower Upper
97 100
99 64.3 50.4 75.6
61 52.6 40.3 60.5





#31

Carbon tetrachloride

Concen: 52.868 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

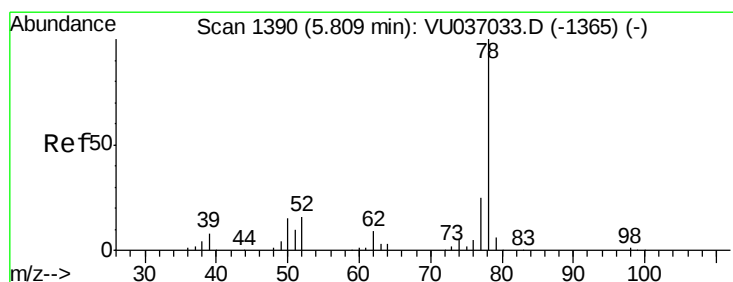
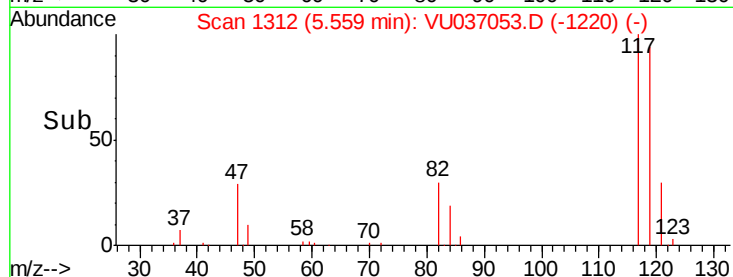
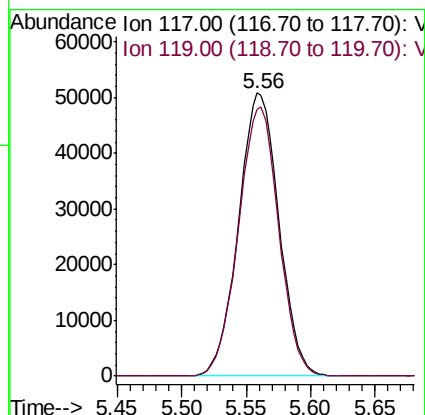
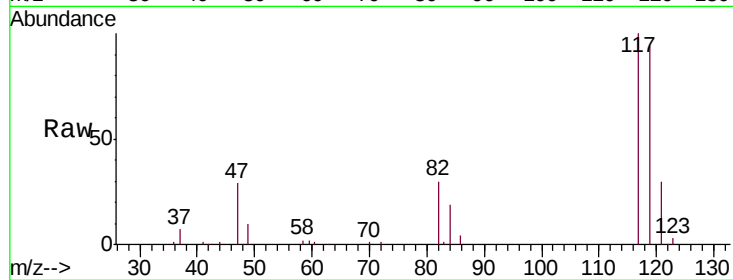
VSTD05046

Tgt Ion:117 Resp: 110784

Ion Ratio Lower Upper

117 100

119 94.7 77.2 115.8



#33

Benzene

Concen: 51.810 ug/L

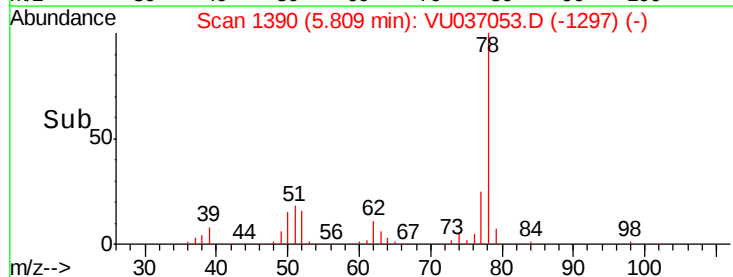
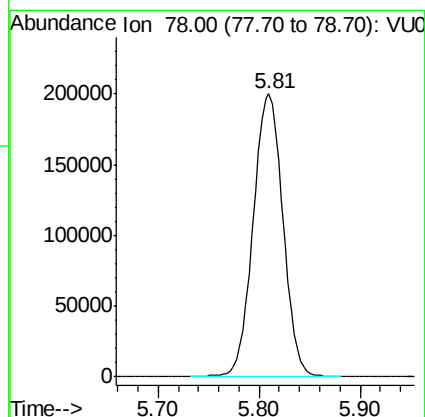
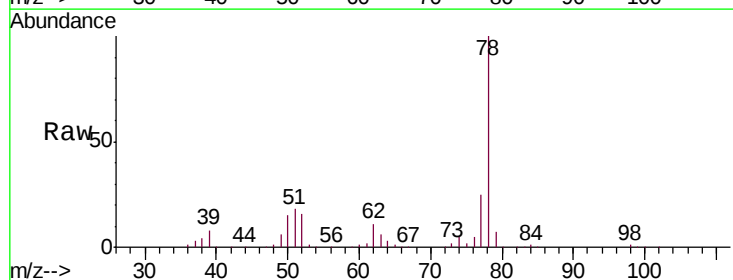
RT: 5.81 min Scan# 1390

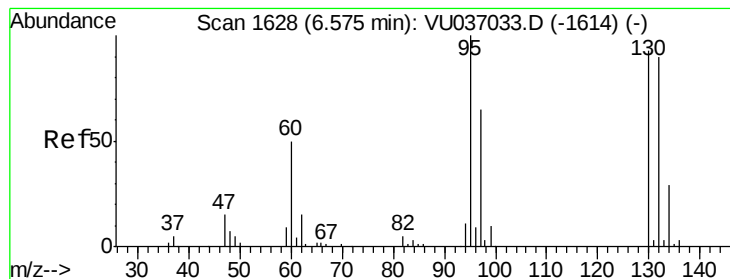
Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Tgt Ion: 78 Resp: 408136





#34

Trichloroethene

Concen: 52.096 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

Tgt Ion: 95 Resp: 100866

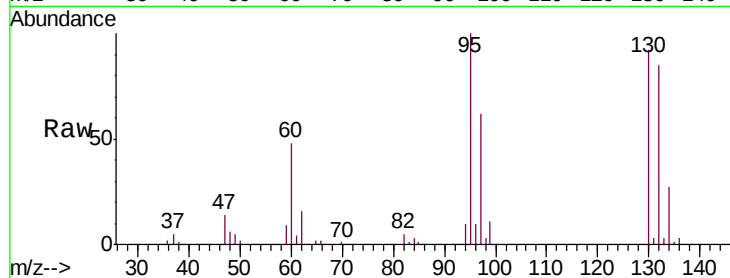
Ion Ratio Lower Upper

95 100

97 62.0 44.1 81.9

132 85.4 60.6 112.6

130 91.8 64.9 120.5

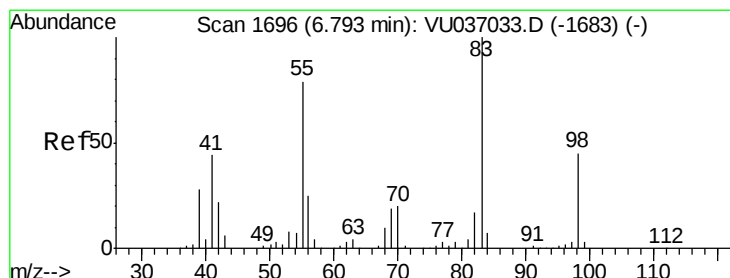
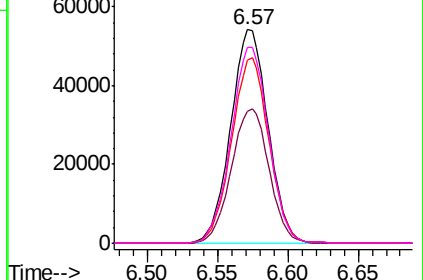
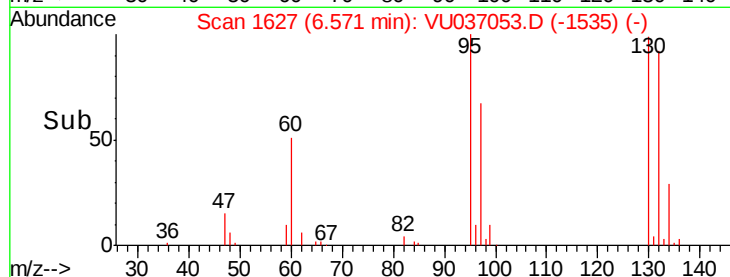


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 46.377 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

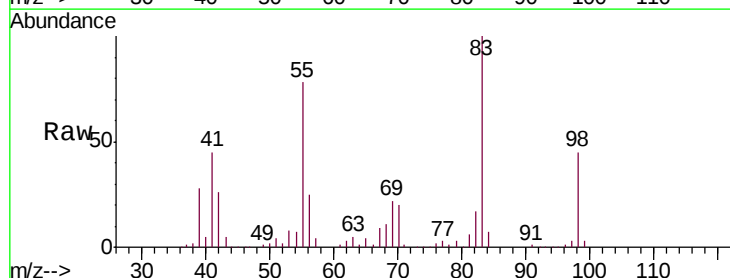
Tgt Ion: 83 Resp: 155684

Ion Ratio Lower Upper

83 100

55 78.4 62.6 93.8

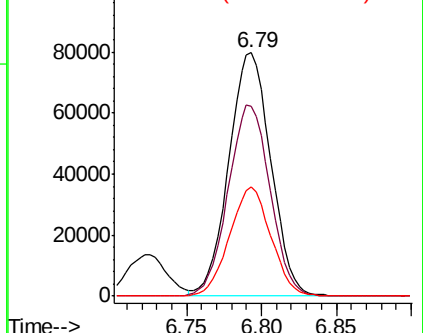
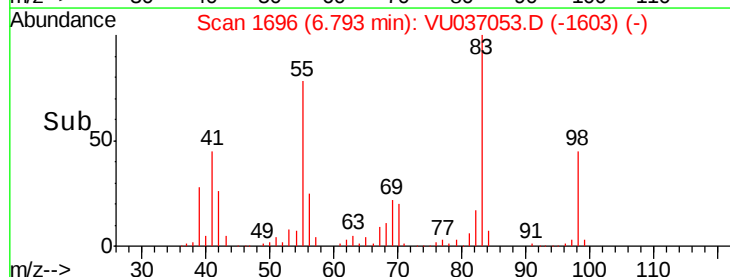
98 44.2 35.1 52.7

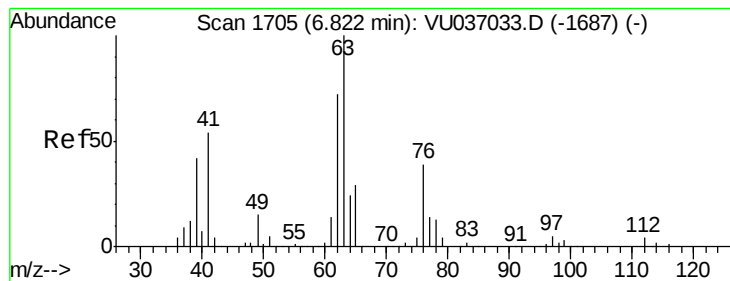


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 52.608 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

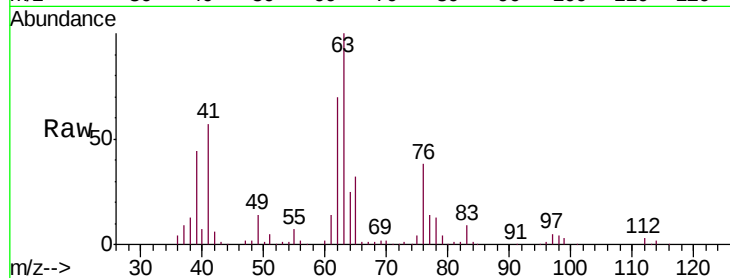
VSTD05046

Tgt Ion: 63 Resp: 111584

Ion Ratio Lower Upper

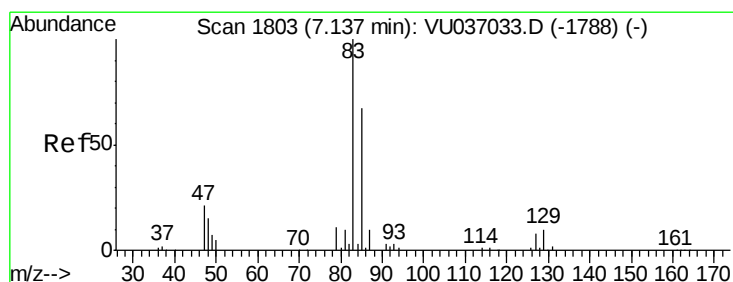
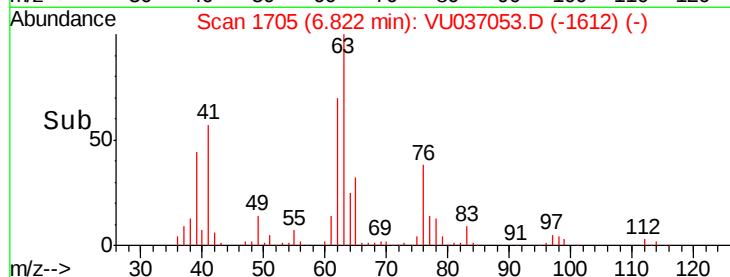
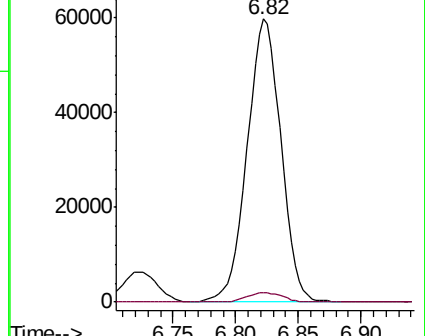
63 100

112 3.4 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU037033.D (-1687) (-)

Ion 112.00 (111.70 to 112.70): VU037033.D (-1687) (-)



#38

Bromodichloromethane

Concen: 52.455 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

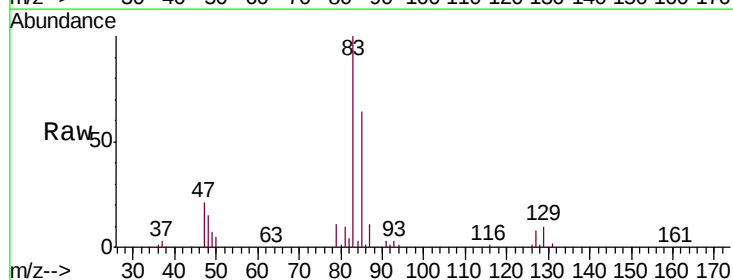
Tgt Ion: 83 Resp: 131329

Ion Ratio Lower Upper

83 100

85 63.8 43.6 81.0

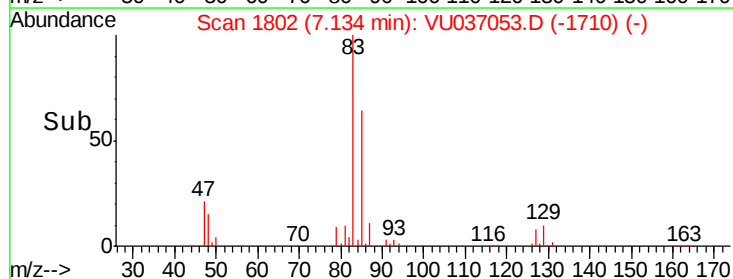
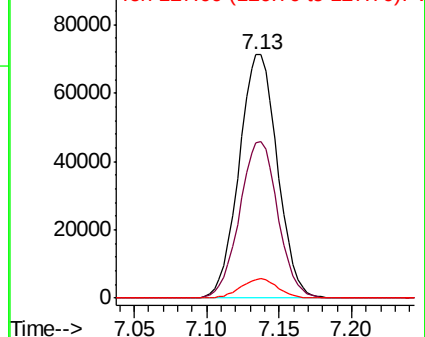
127 7.7 6.0 9.0

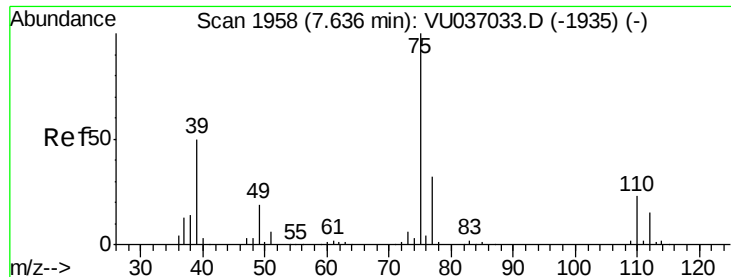


Abundance Ion 83.00 (82.70 to 83.70): VU037033.D (-1788) (-)

Ion 85.00 (84.70 to 85.70): VU037033.D (-1788) (-)

Ion 127.00 (126.70 to 127.70): VU037033.D (-1788) (-)

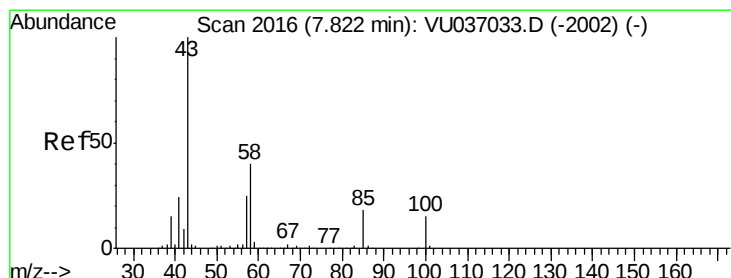
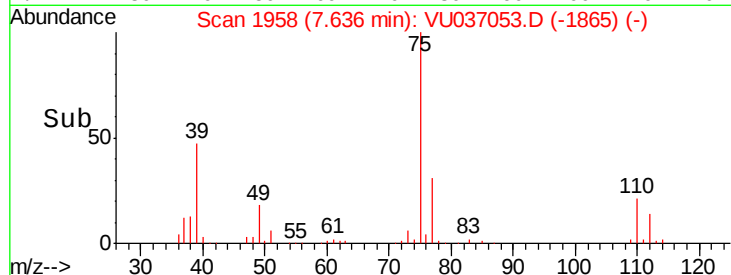
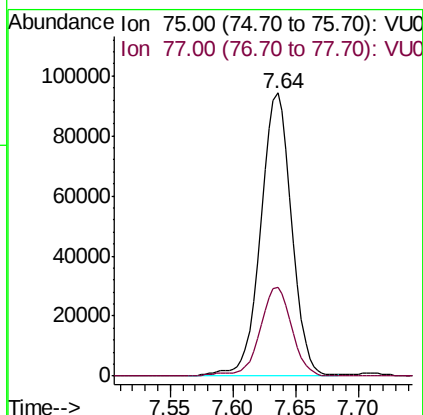
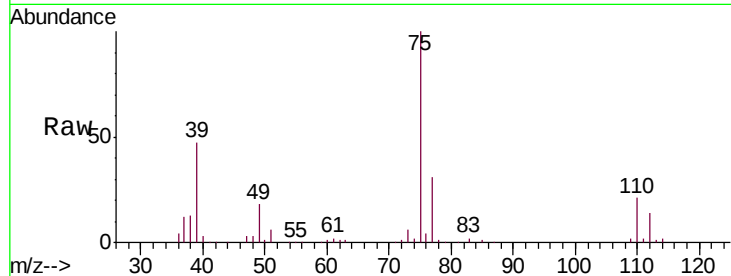




#39
 cis-1,3-Dichloropropene
 Concen: 49.521 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037053.D
 Acq: 04 Mar 2020 21:22

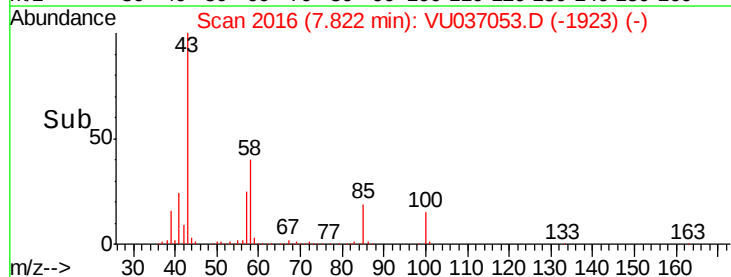
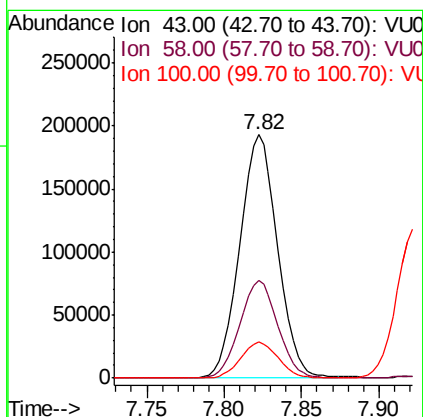
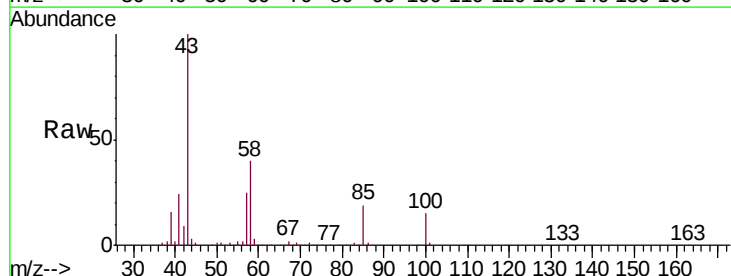
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

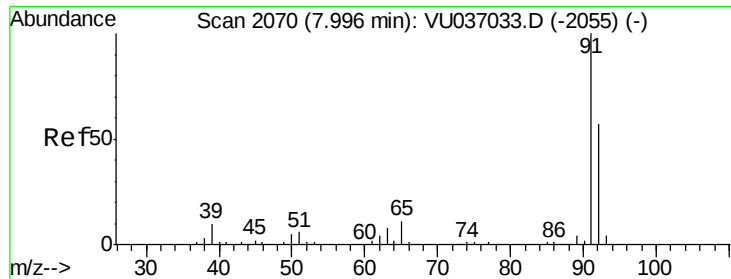
Tgt Ion: 75 Resp: 161799
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 104.854 ug/L
 RT: 7.82 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: VU037053.D
 Acq: 04 Mar 2020 21:22

Tgt Ion: 43 Resp: 327709
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.8 47.6
 100 14.7 11.5 17.3





#42

Toluene

Concen: 52.028 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

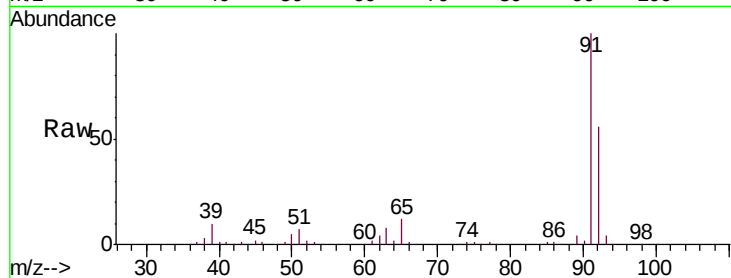
VSTD05046

Tgt Ion: 91 Resp: 436644

Ion Ratio Lower Upper

91 100

92 56.4 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU037033.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU037033.D (-2055) (-)

8.00

250000

200000

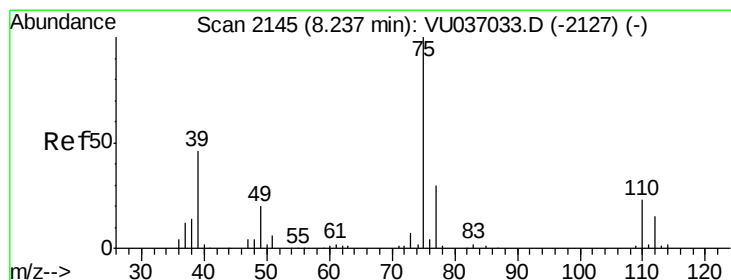
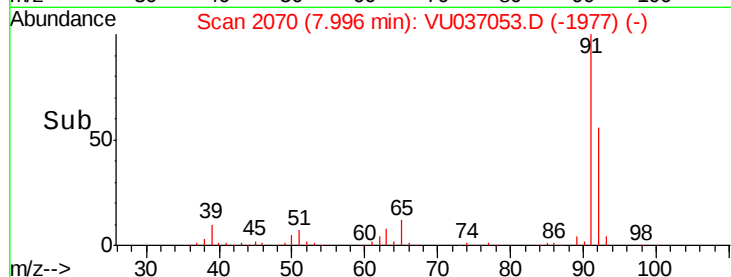
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.946 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037053.D

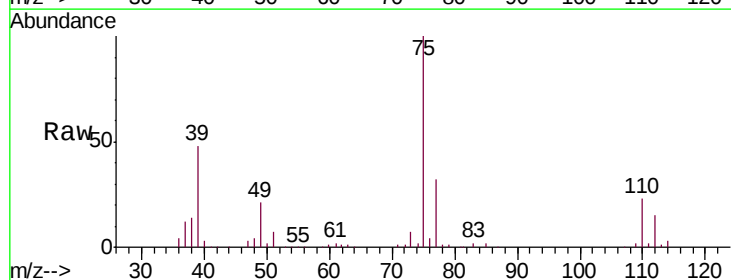
Acq: 04 Mar 2020 21:22

Tgt Ion: 75 Resp: 141560

Ion Ratio Lower Upper

75 100

77 31.5 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU037033.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU037033.D (-2127) (-)

8.24

100000

80000

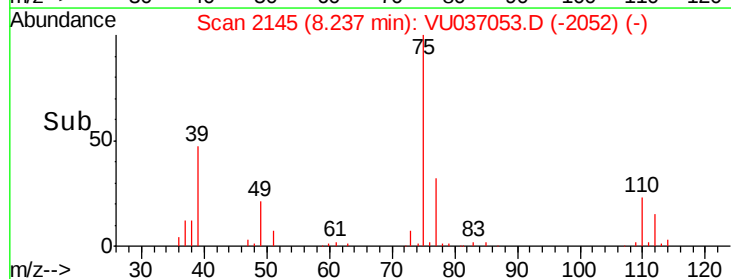
60000

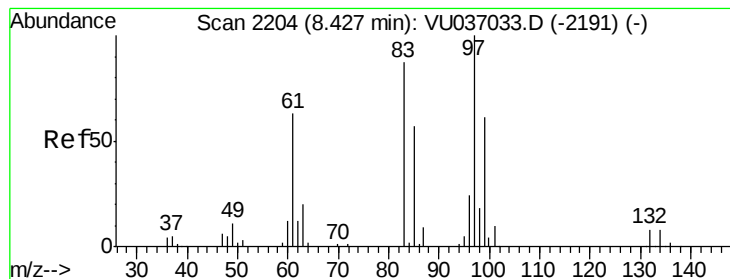
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 53.843 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

Tgt Ion: 97 Resp: 101557

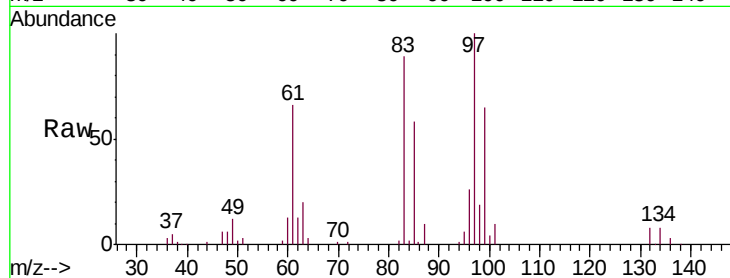
Ion Ratio Lower Upper

97 100

99 64.7 43.6 81.0

83 88.8 62.7 116.5

85 58.5 40.3 74.9

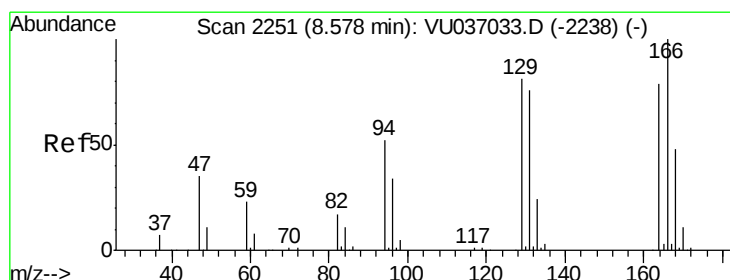
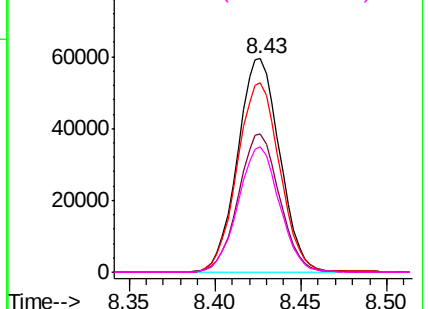
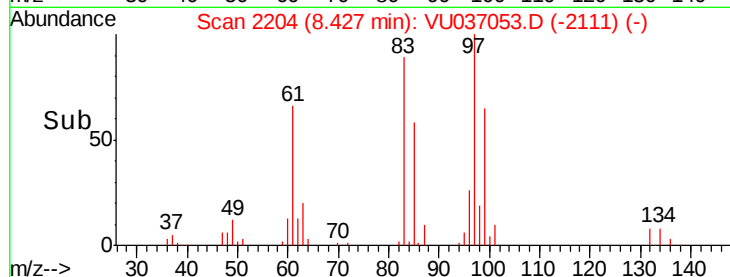


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 50.031 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Tgt Ion: 164 Resp: 63813

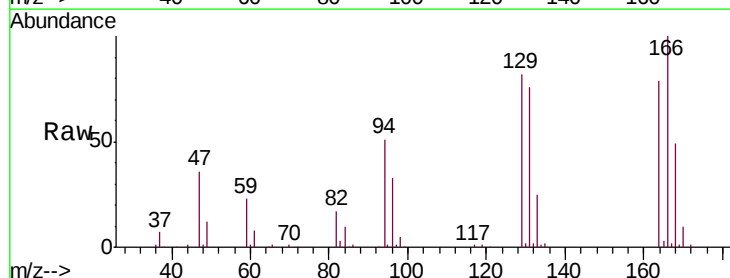
Ion Ratio Lower Upper

164 100

129 103.5 72.0 133.8

131 96.4 67.9 126.1

166 126.0 87.1 161.7

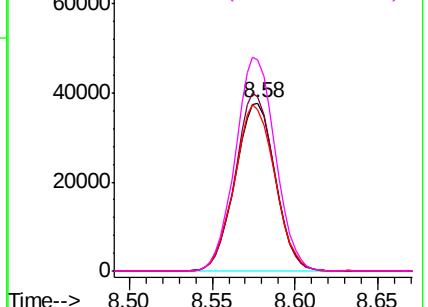
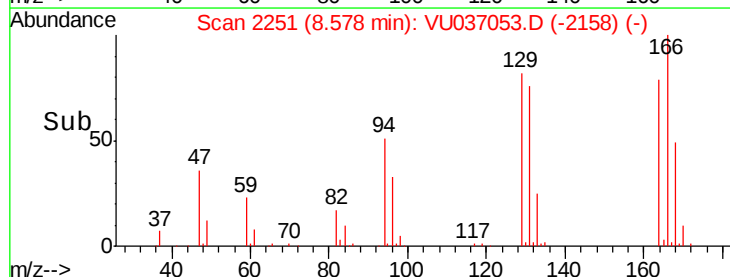


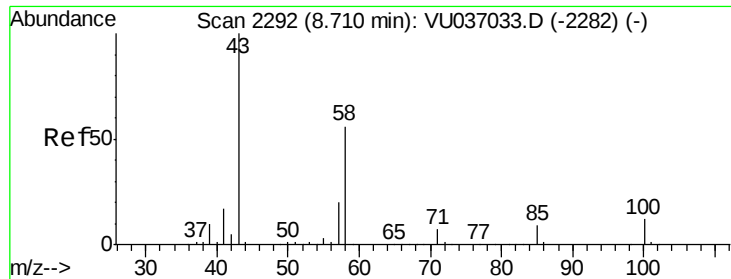
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

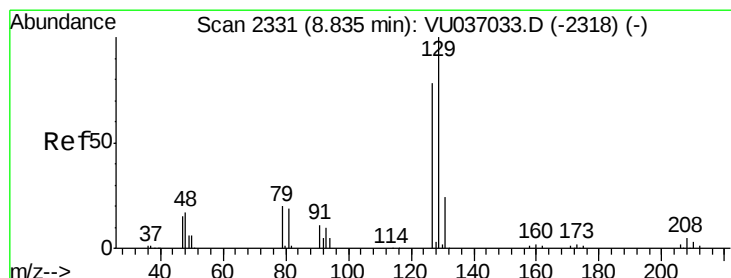
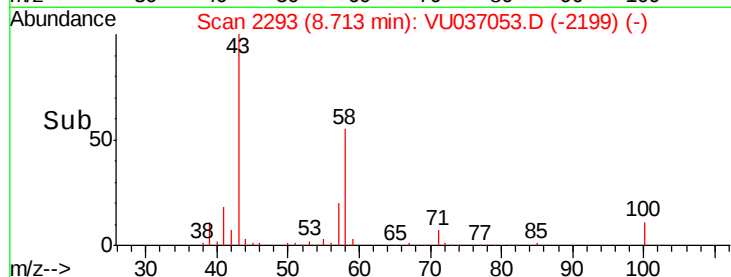
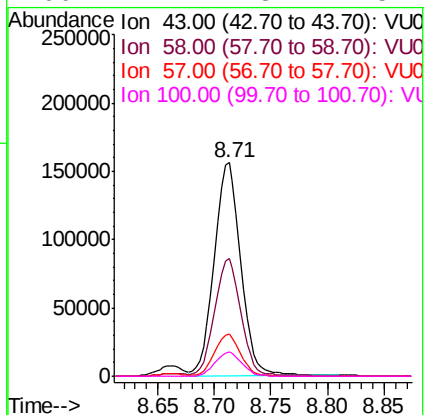
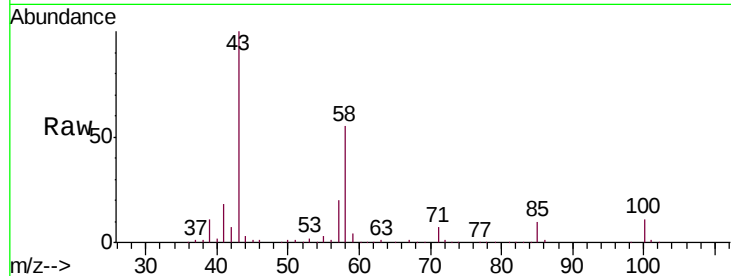




#48
2-Hexanone
Concen: 102.178 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

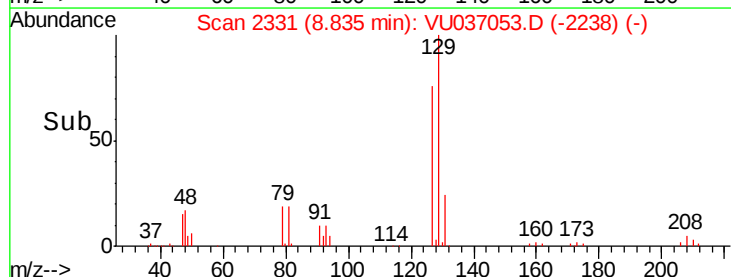
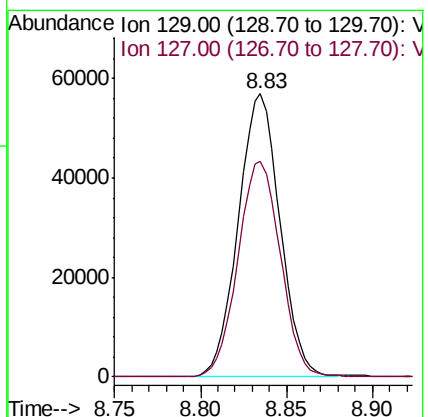
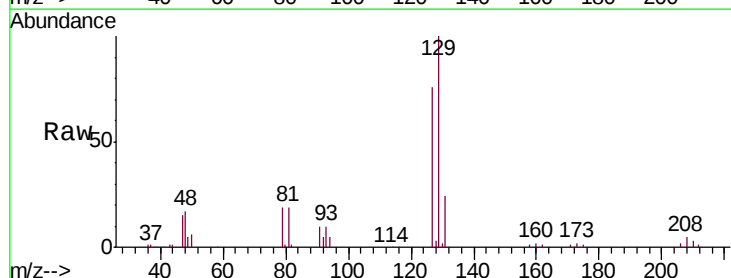
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

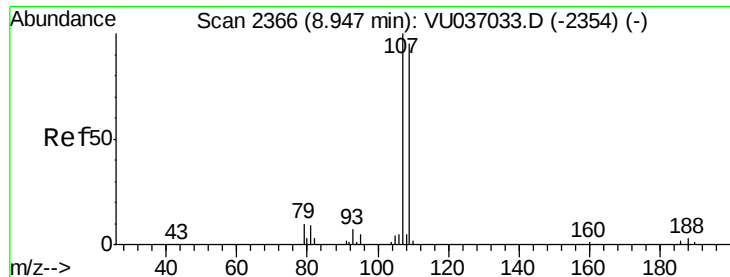
Tgt Ion:	43	Resp:	254839
Ion	Ratio	Lower	Upper
43	100		
58	54.8	43.5	65.3
57	18.8	15.1	22.7
100	11.4	8.7	13.1



#49
Dibromochloromethane
Concen: 53.558 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

Tgt Ion:	129	Resp:	95884
Ion	Ratio	Lower	Upper
129	100		
127	76.3	54.3	100.8

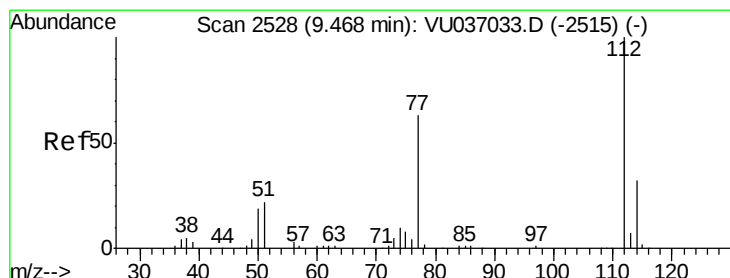
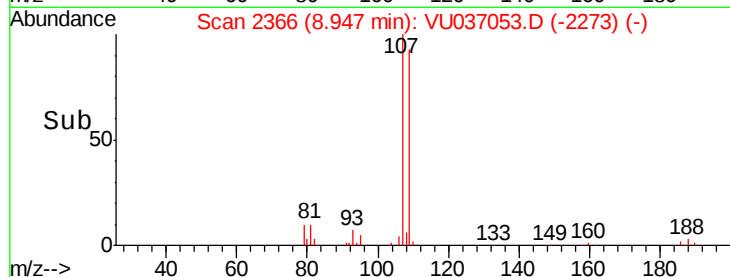
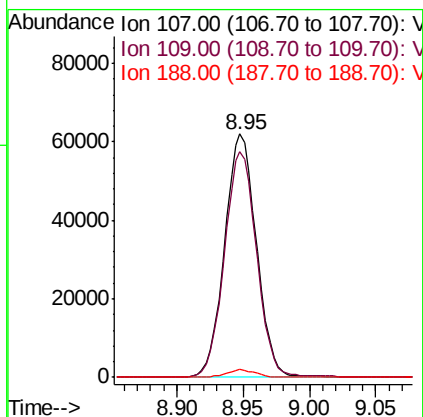
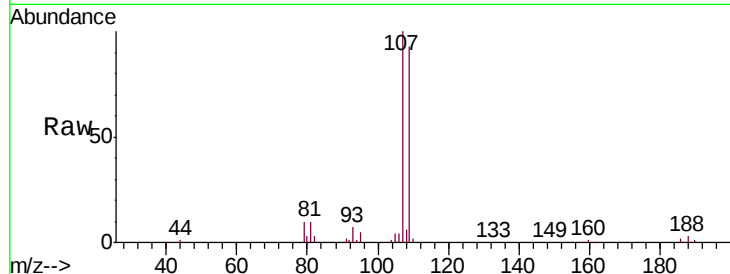




#50
1,2-Dibromoethane
Concen: 52.205 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

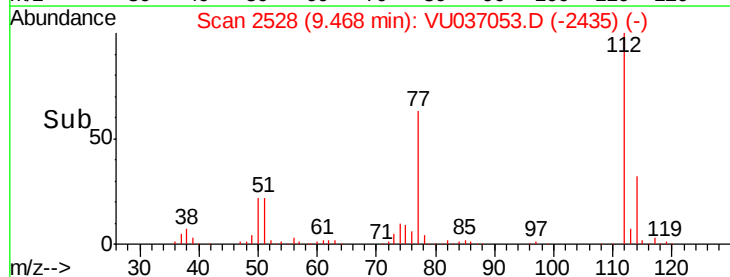
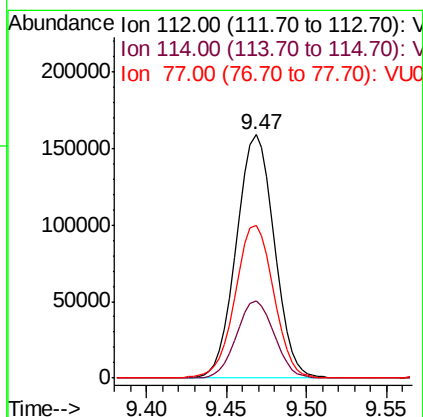
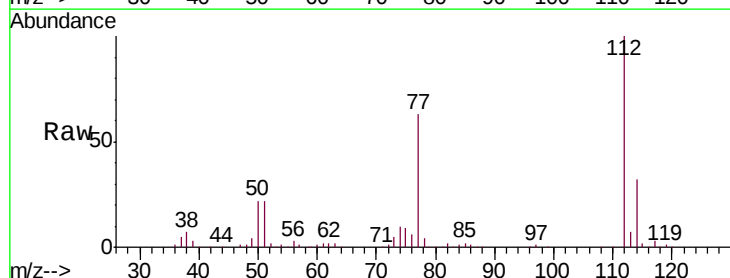
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

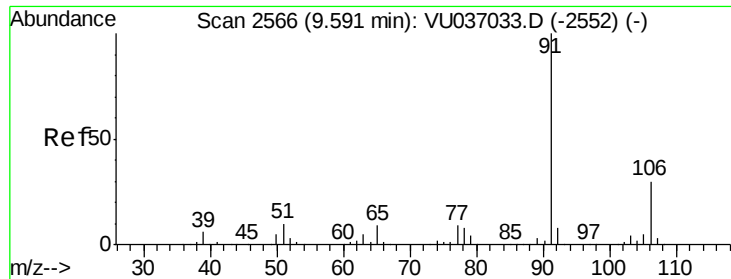
Tgt Ion:107 Resp: 102968
Ion Ratio Lower Upper
107 100
109 92.6 65.9 122.5
188 3.2 2.2 3.2



#51
Chlorobenzene
Concen: 51.655 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

Tgt Ion:112 Resp: 256867
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.5
77 62.9 50.1 75.1





#52

Ethylbenzene

Concen: 50.972 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

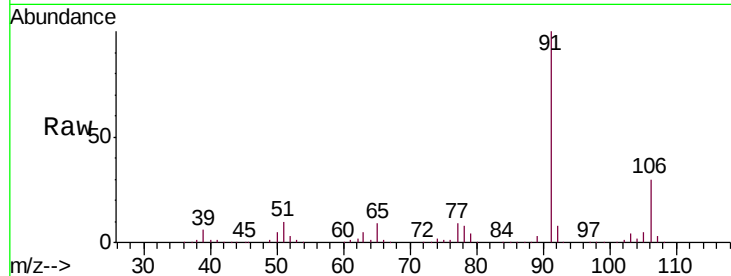
VSTD05046

Tgt Ion: 91 Resp: 463746

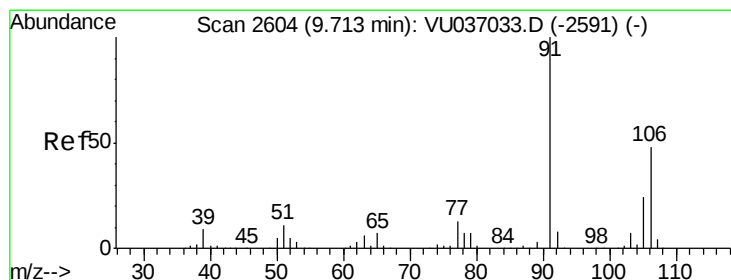
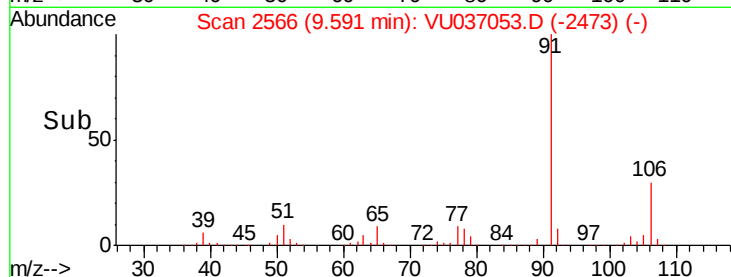
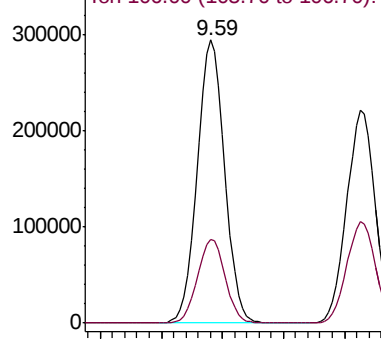
Ion Ratio Lower Upper

91 100

106 29.7 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU037033.D (-2552) (-)



#53

m,p-Xylene

Concen: 51.860 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037053.D

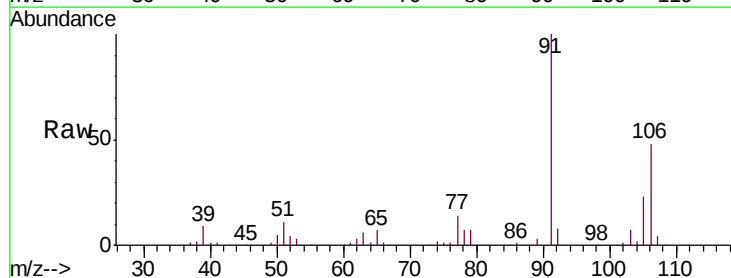
Acq: 04 Mar 2020 21:22

Tgt Ion: 106 Resp: 173071

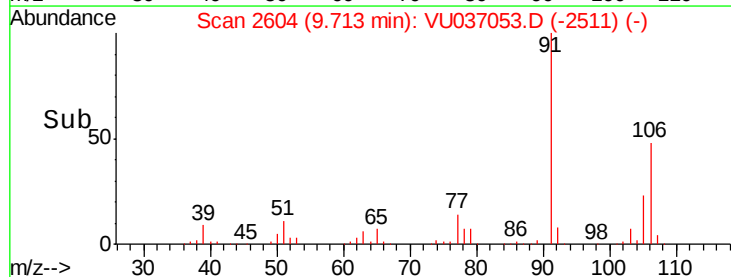
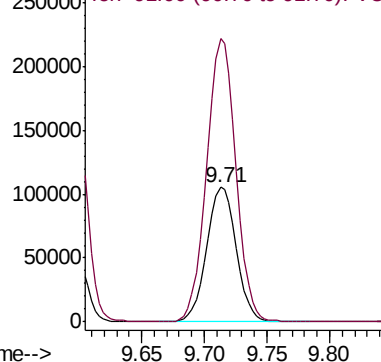
Ion Ratio Lower Upper

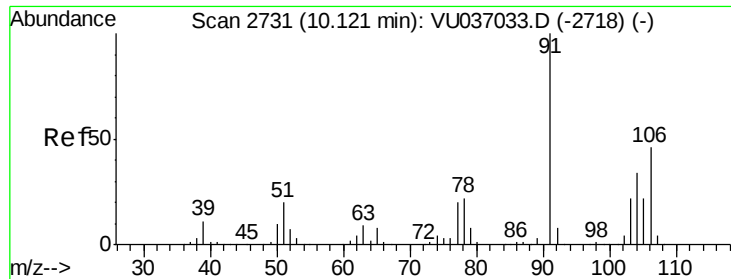
106 100

91 210.2 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VU037033.D (-2591) (-)

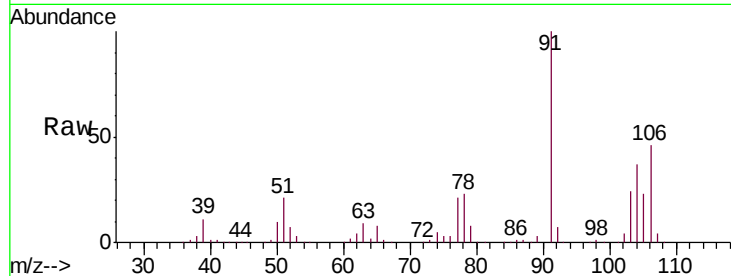




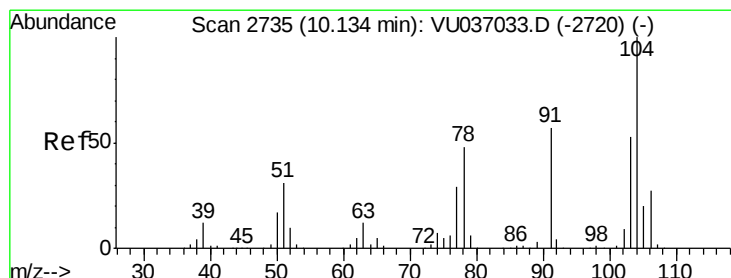
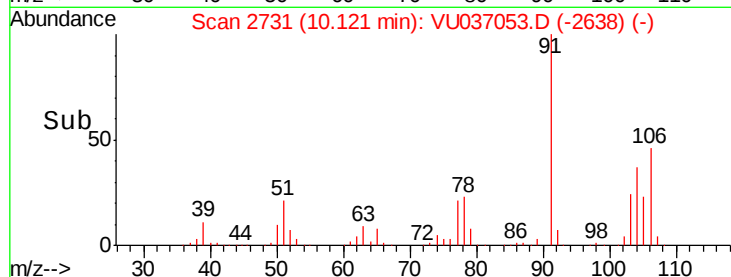
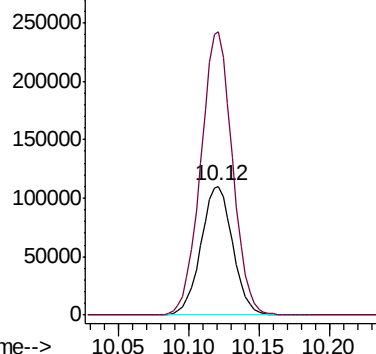
#54
o-xylene
Concen: 52.180 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Tgt Ion:106 Resp: 173682
Ion Ratio Lower Upper
106 100
91 219.4 154.2 286.4

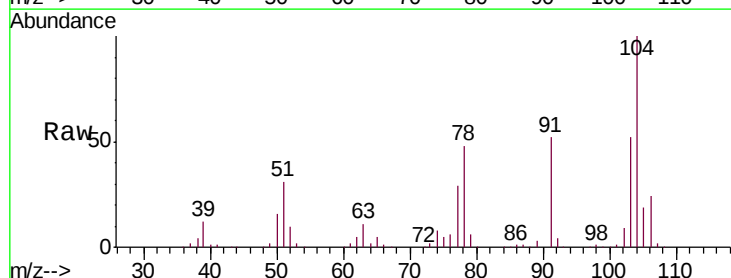


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

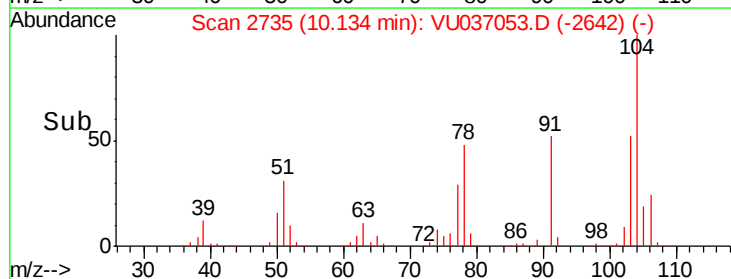
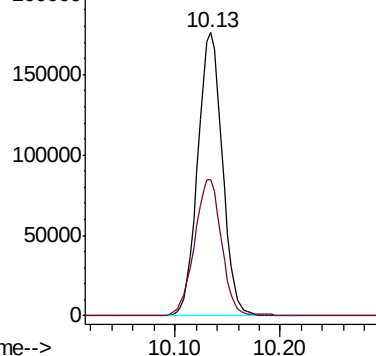


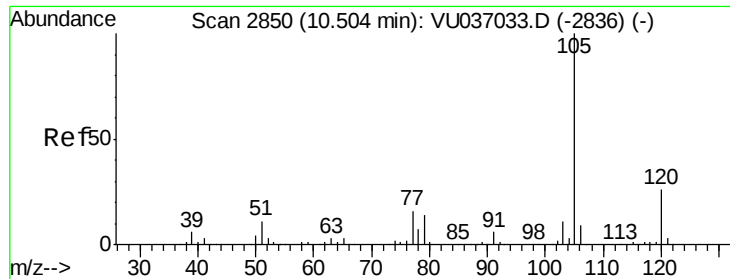
#55
Styrene
Concen: 52.383 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037053.D
Acq: 04 Mar 2020 21:22

Tgt Ion:104 Resp: 285024
Ion Ratio Lower Upper
104 100
78 48.0 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.352 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

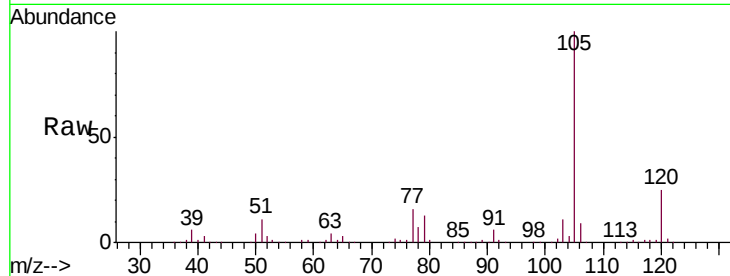
Tgt Ion: 105 Resp: 439013

Ion Ratio Lower Upper

105 100

120 25.4 20.5 30.7

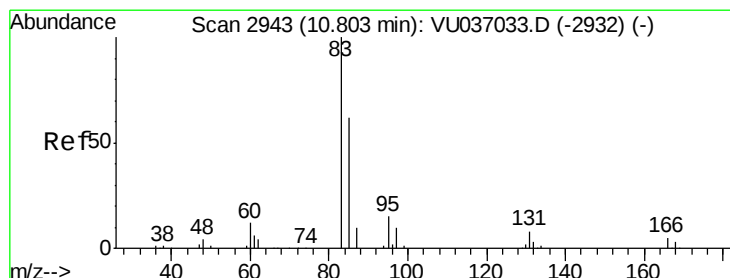
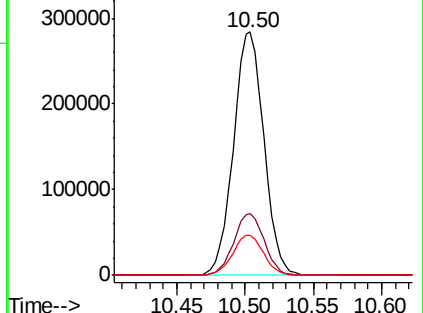
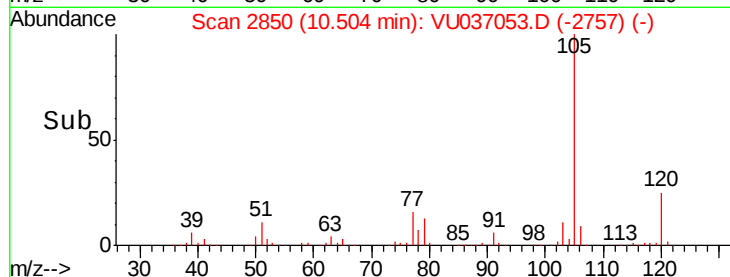
77 16.5 13.1 19.7



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: 55.415 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

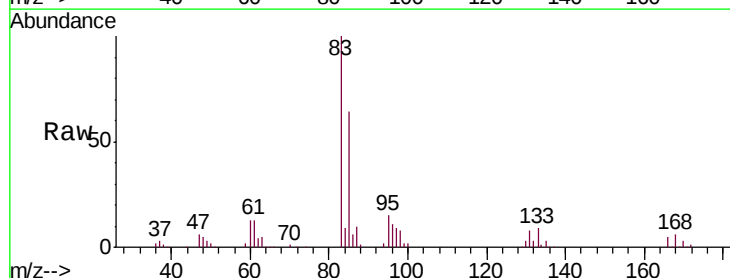
Tgt Ion: 83 Resp: 186860

Ion Ratio Lower Upper

83 100

85 64.4 45.5 84.5

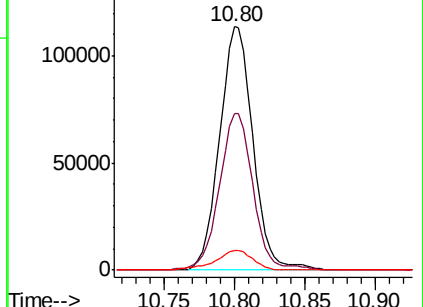
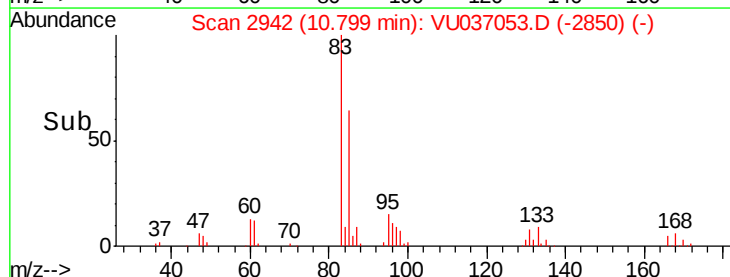
131 8.2 6.8 10.2

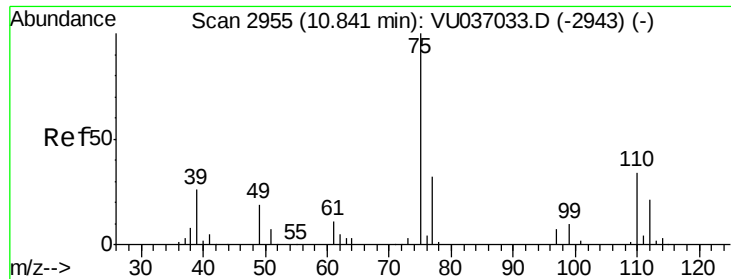


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 54.778 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

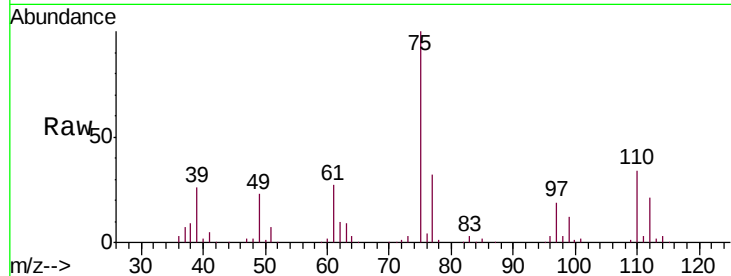
VSTD05046

Tgt Ion: 75 Resp: 149465

Ion Ratio Lower Upper

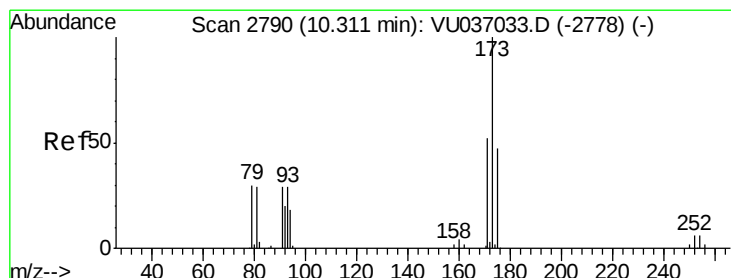
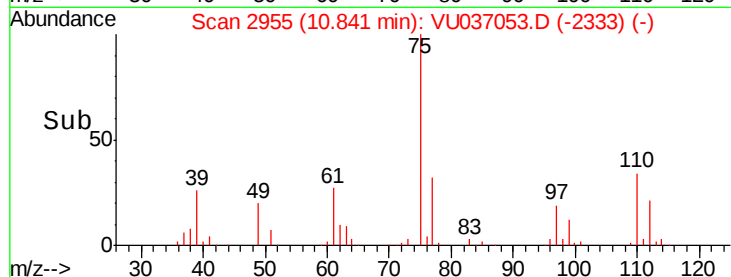
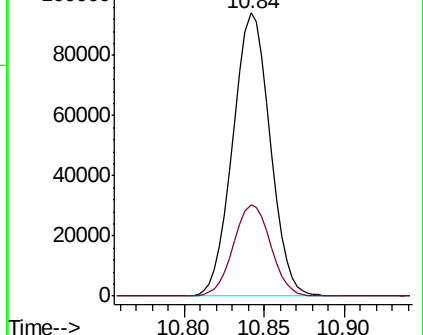
75 100

77 32.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU037033.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU037033.D (-2943) (-)



#61

Bromoform

Concen: 54.854 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

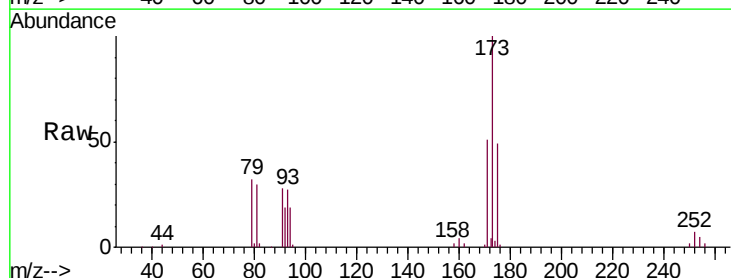
Tgt Ion: 173 Resp: 65870

Ion Ratio Lower Upper

173 100

175 48.2 39.0 58.6

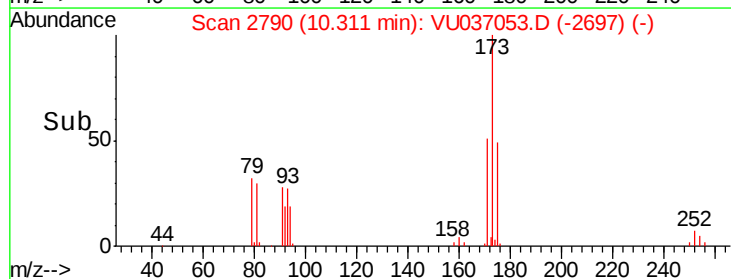
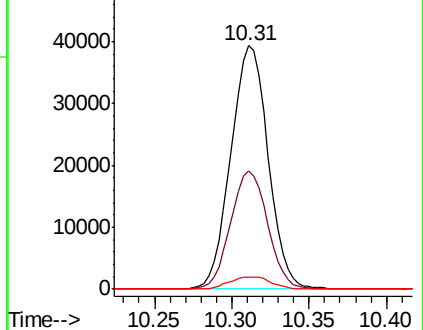
254 5.5 4.6 6.8

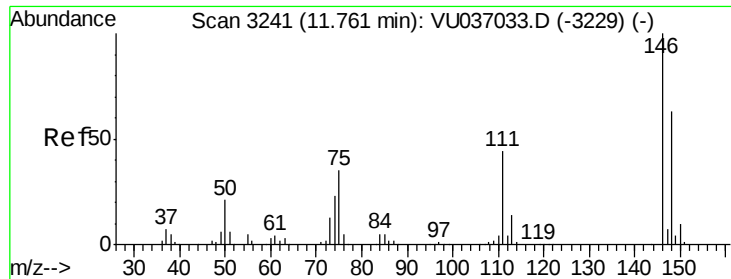


Abundance Ion 173.00 (172.70 to 173.70): VU037033.D (-2778) (-)

Ion 175.00 (174.70 to 175.70): VU037033.D (-2778) (-)

Ion 254.00 (253.70 to 254.70): VU037033.D (-2778) (-)

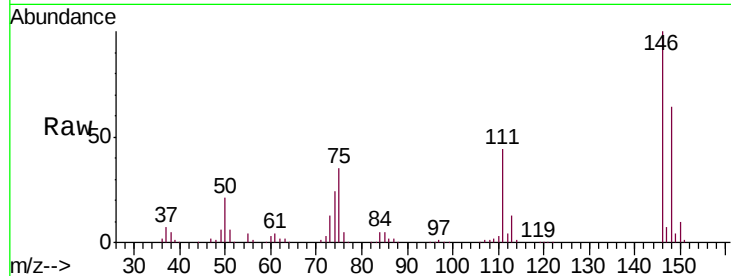




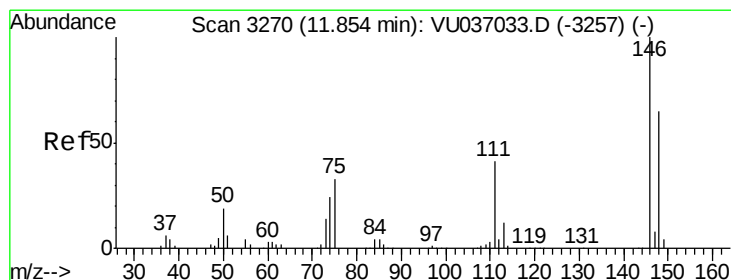
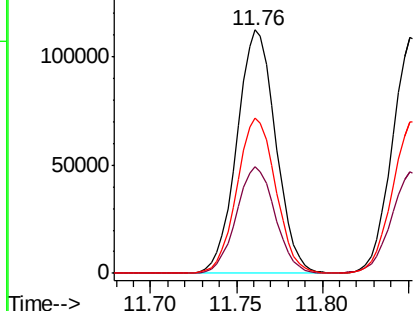
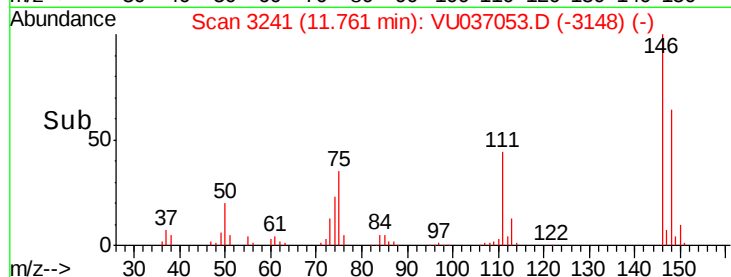
#62
 1,3-Dichlorobenzene
 Concen: 51.358 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU037053.D
 Acq: 04 Mar 2020 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion:146 Resp: 176956
 Ion Ratio Lower Upper
 146 100
 111 43.7 30.7 56.9
 148 63.9 44.2 82.2

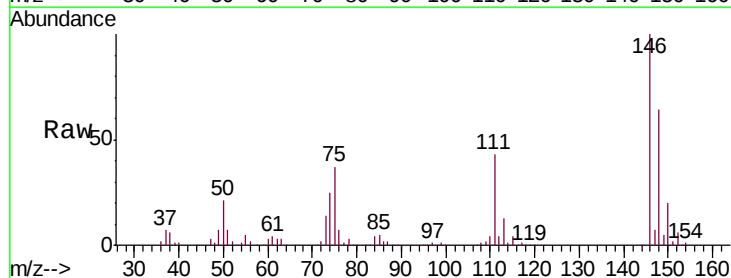


Abundance Ion 146.00 (145.70 to 146.70): V
 150000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

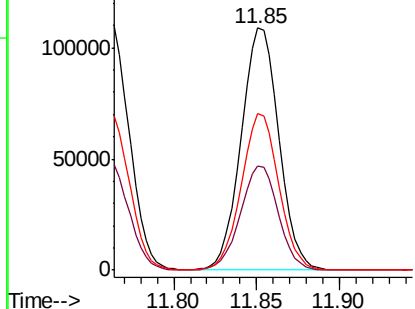
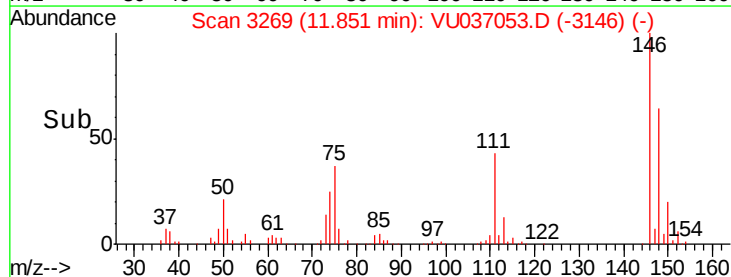


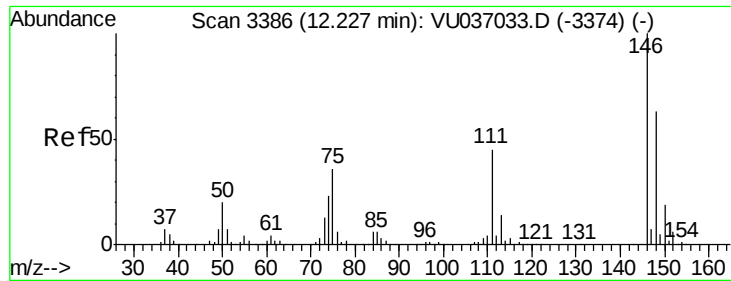
#63
 1,4-Dichlorobenzene
 Concen: 50.810 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037053.D
 Acq: 04 Mar 2020 21:22

Tgt Ion:146 Resp: 172964
 Ion Ratio Lower Upper
 146 100
 111 43.0 29.8 55.4
 148 64.4 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V
 150000 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 53.539 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

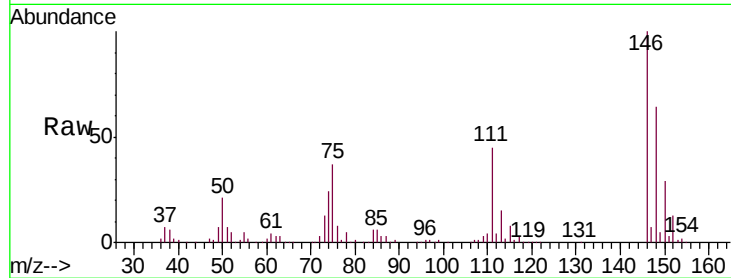
Tgt Ion:146 Resp: 184187

Ion Ratio Lower Upper

146 100

111 45.0 35.4 53.0

148 63.6 50.5 75.7

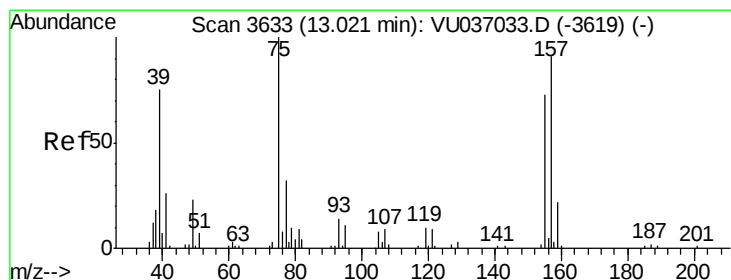
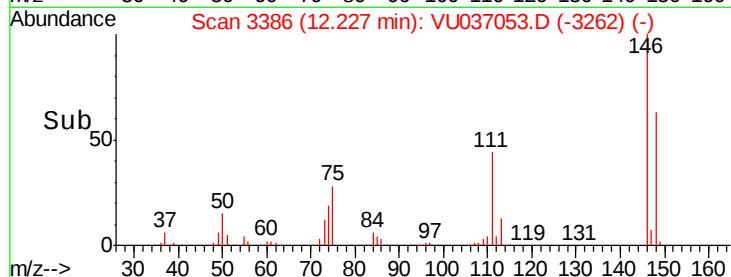
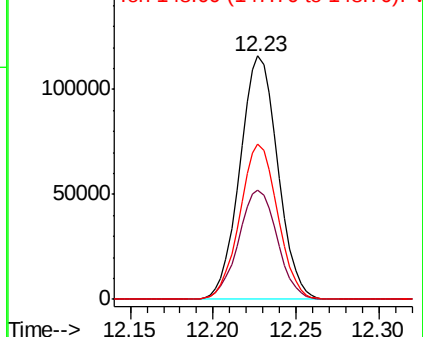


Abundance

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: 51.435 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

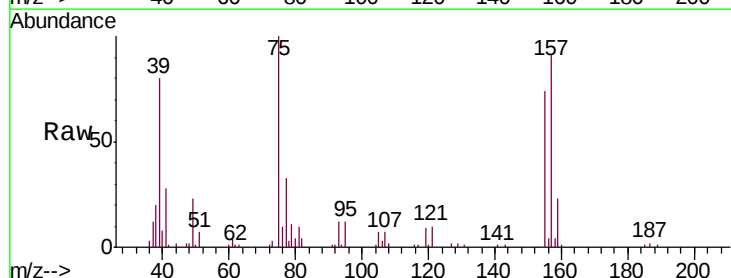
Tgt Ion: 75 Resp: 35105

Ion Ratio Lower Upper

75 100

155 74.3 55.7 83.5

157 90.6 73.0 109.6

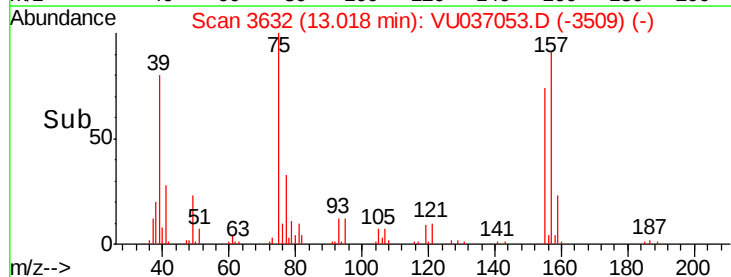
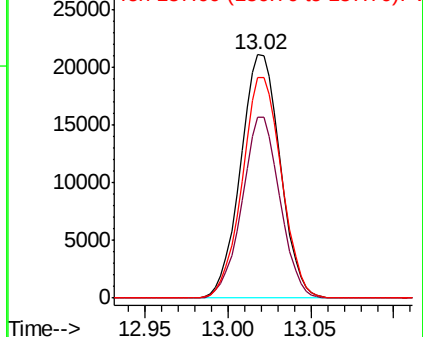


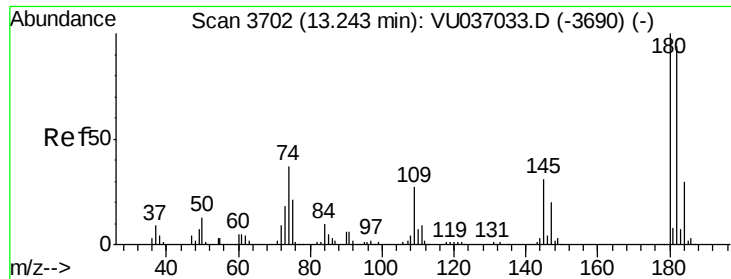
Abundance

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

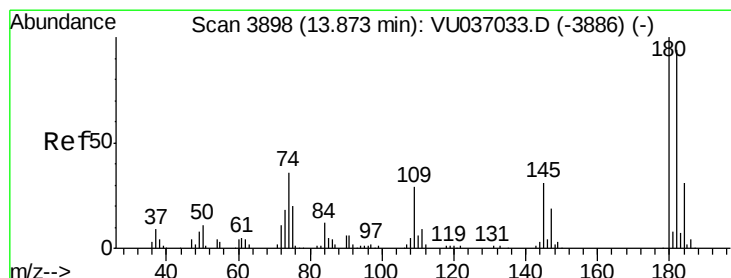
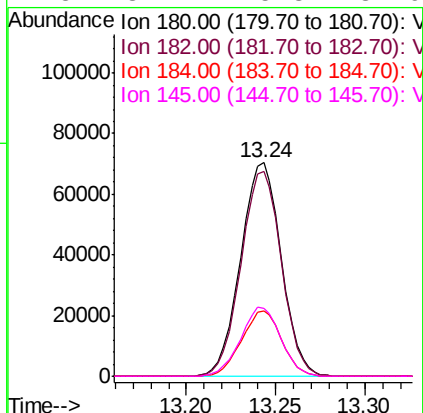
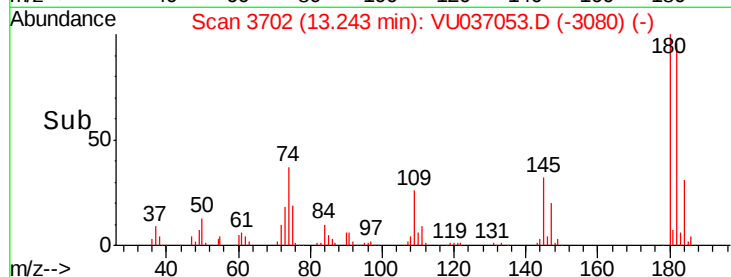
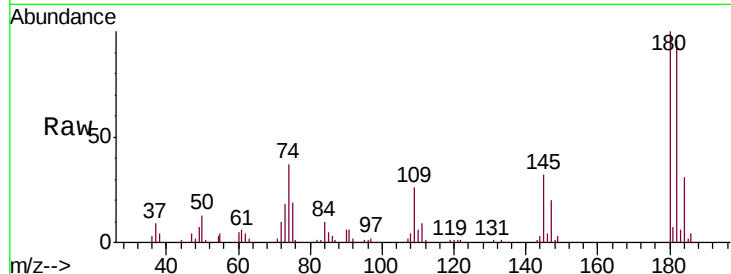




#67
 1,3,5-Trichlorobenzene
 Concen: 51.047 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU037053.D
 Acq: 04 Mar 2020 21:22

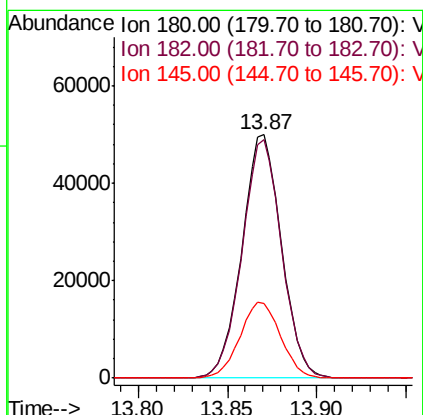
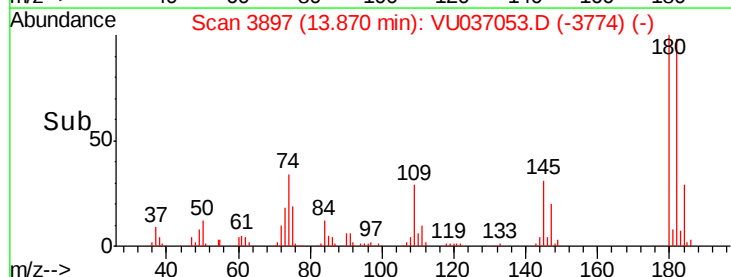
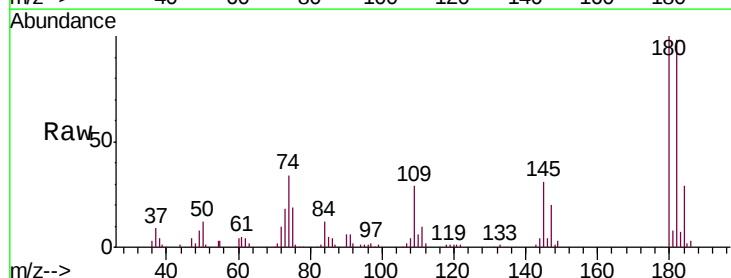
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

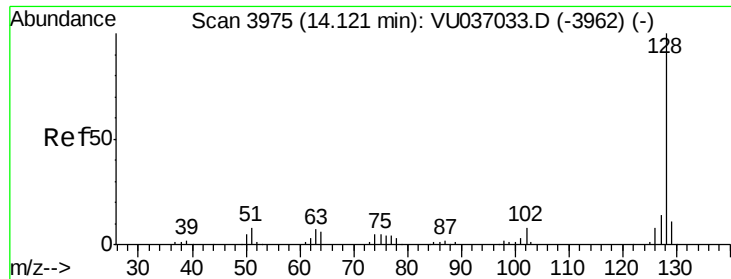
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.9	115.3
184	30.2	24.2	36.2
145	32.1	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 47.079 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.00 min
 Lab File: VU037053.D
 Acq: 04 Mar 2020 21:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	75.3	112.9
145	32.1	26.2	39.4





#69

Naphthalene

Concen: 42.070 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

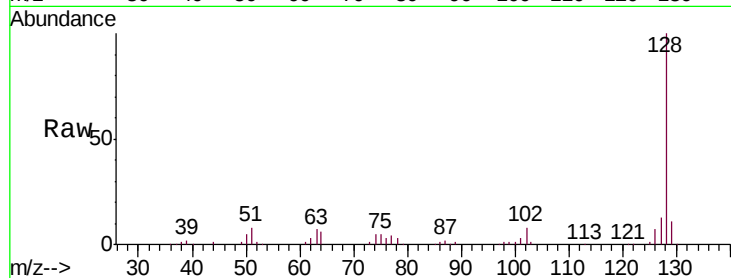
Tgt Ion:128 Resp: 121685

Ion Ratio Lower Upper

128 100

127 13.2 11.0 16.4

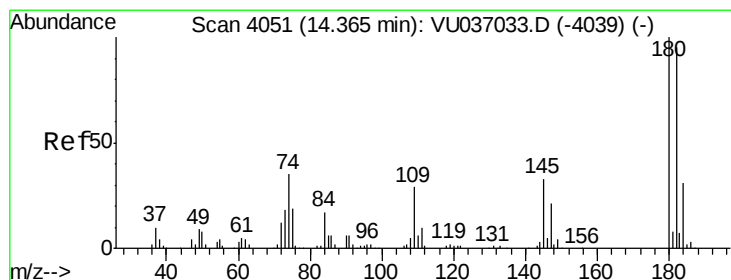
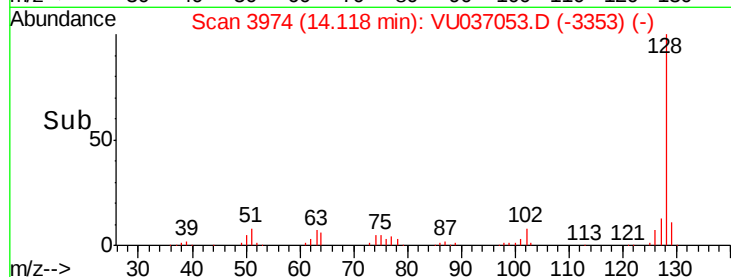
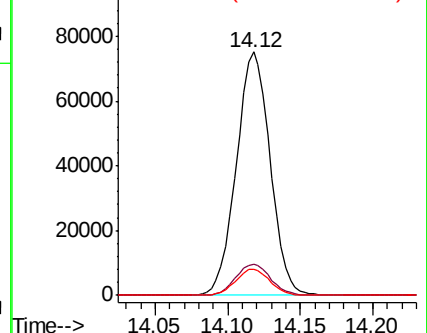
129 10.8 8.6 12.8



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: 49.455 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.00 min

Lab File: VU037053.D

Acq: 04 Mar 2020 21:22

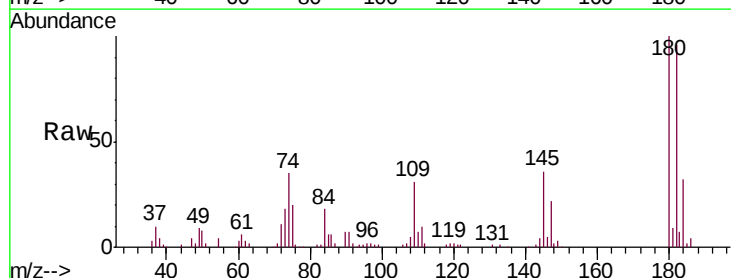
Tgt Ion:180 Resp: 80977

Ion Ratio Lower Upper

180 100

182 94.5 77.0 115.6

145 34.9 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

