

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032020\
 Data File : VU037352.D
 Acq On : 20 Mar 2020 17:42
 Operator : JC/MD
 Sample : VSTD00503
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 21 00:05:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 21 00:03:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	148541	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	145916	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	76756	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	49776	6.03	ug/L	0.00
7) Chloroethane-d5	1.93	69	40028	5.59	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	93285	5.38	ug/L	0.00
20) 2-Butanone-d5	4.68	46	115975	49.84	ug/L	0.00
24) Chloroform-d	5.11	84	100295	5.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	57094	5.35	ug/L	0.00
32) Benzene-d6	5.76	84	180074	5.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	56945	5.51	ug/L	0.00
41) Toluene-d8	7.93	98	180054	5.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	26408	5.69	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	98590	49.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	46101	5.29	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	69112	5.36	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	75780	4.504	ug/L 100
3) Chloromethane	1.53	50	78323	4.642	ug/L 100
5) Vinyl chloride	1.62	62	70058	4.666	ug/L 100
6) Bromomethane	1.87	94	26425	3.633	ug/L 100
8) Chloroethane	1.95	64	38600	4.451	ug/L 100
9) Trichlorofluoromethane	2.15	101	105857	4.673	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	49042	4.680	ug/L 100
12) 1,1-Dichloroethene	2.60	96	46016	4.844	ug/L 100
13) Acetone	2.68	43	80113	42.303	ug/L 100
14) Carbon disulfide	2.82	76	157339	5.056	ug/L 100
15) Methyl Acetate	2.99	43	19454	4.407	ug/L 100
16) Methylene chloride	3.08	84	50726	4.466	ug/L 100
17) Methyl tert-butyl Ether	3.41	73	119077	4.441	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	50279	4.878	ug/L 100
19) 1,1-Dichloroethane	3.91	63	93852	4.599	ug/L 100
21) 2-Butanone	4.76	43	132696	43.516	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	51882	4.597	ug/L 100
23) Bromochloromethane	5.02	128	24291	4.759	ug/L 100
25) Chloroform	5.13	83	103310	4.634	ug/L 100
27) 1,2-Dichloroethane	5.83	62	70315	4.516	ug/L 100
29) 1,1,1-Trichloroethane	5.36	97	94432	4.787	ug/L 100
30) Cyclohexane	5.42	56	80551	4.579	ug/L 100
31) Carbon tetrachloride	5.56	117	82542	4.750	ug/L 100
33) Benzene	5.81	78	204873	4.733	ug/L 100
34) Trichloroethene	6.57	95	54813	4.650	ug/L 100
35) Methylcyclohexane	6.79	83	80837	4.559	ug/L 100
37) 1,2-Dichloropropane	6.82	63	53712	4.706	ug/L 100
38) Bromodichloromethane	7.14	83	73385	4.579	ug/L 100
39) cis-1,3-Dichloropropene	7.64	75	80790	4.705	ug/L 100
40) 4-Methyl-2-pentanone	7.83	43	336117	44.562	ug/L 100

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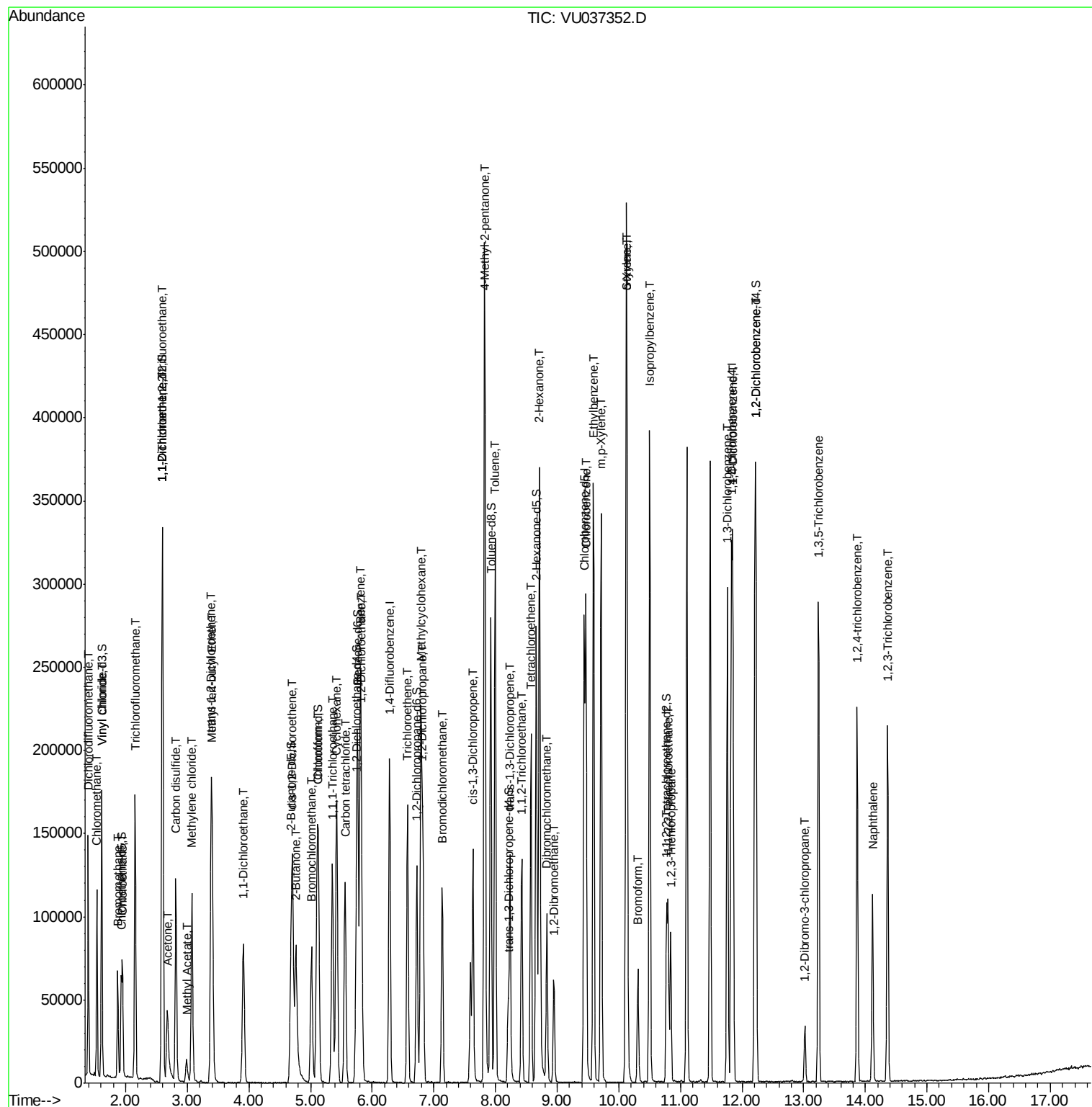
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	227050	4.863	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	73478	5.024	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	37820	4.609	ug/L	100
47) Tetrachloroethene	8.58	164	43111	4.699	ug/L	100
48) 2-Hexanone	8.71	43	249867	44.922	ug/L	100
49) Dibromochloromethane	8.84	129	48949	4.589	ug/L	100
50) 1,2-Dibromoethane	8.95	107	38629	4.812	ug/L	100
51) Chlorobenzene	9.47	112	141074	4.678	ug/L	100
52) Ethylbenzene	9.59	91	247527	4.690	ug/L	100
53) m,p-Xylene	9.71	106	92738	4.764	ug/L	100
54) o-Xylene	10.12	106	89819	4.854	ug/L	100
55) Styrene	10.13	104	152982	4.880	ug/L	100
56) Isopropylbenzene	10.50	105	245058	4.728	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	48483	4.497	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	35297	4.406	ug/L	100
61) Bromoform	10.31	173	30533	4.551	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	114747	4.508	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	113632	4.467	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	108895	4.399	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	8504	4.407	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	85740	4.425	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	66105	4.858	ug/L	100
69) Naphthalene	14.12	128	90794	4.649	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	60957	4.633	ug/L	100

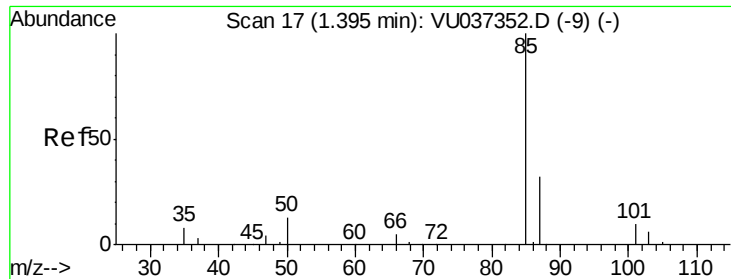
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.504 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Instrument :

MSVOA_U

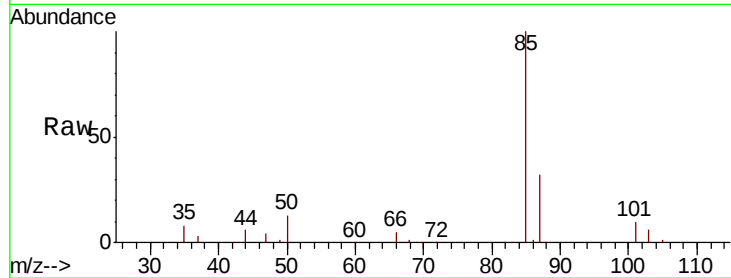
ClientSampleId :

Tot Ion: 85 Resp: 75780

Ion Ratio Lower Upper

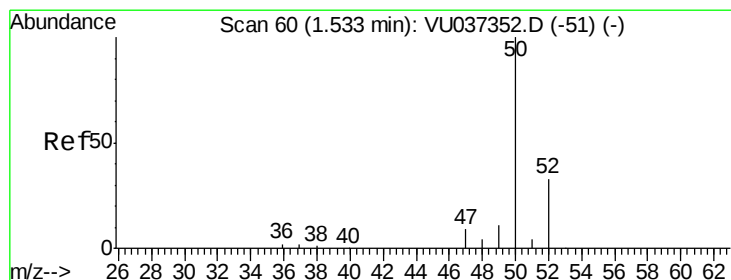
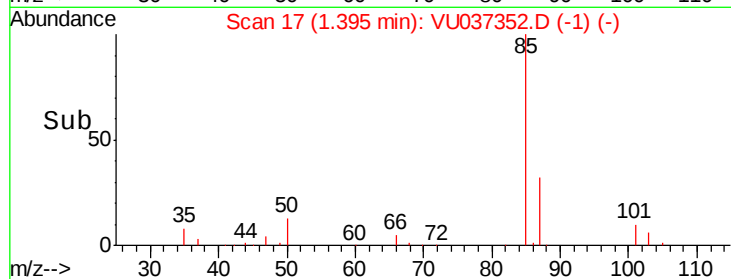
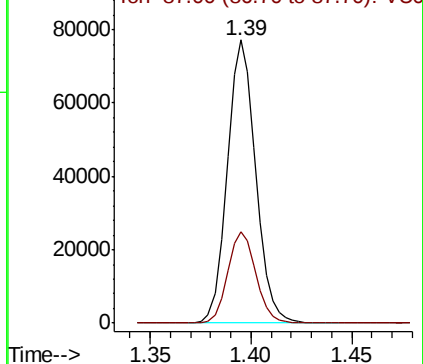
85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.642 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037352.D

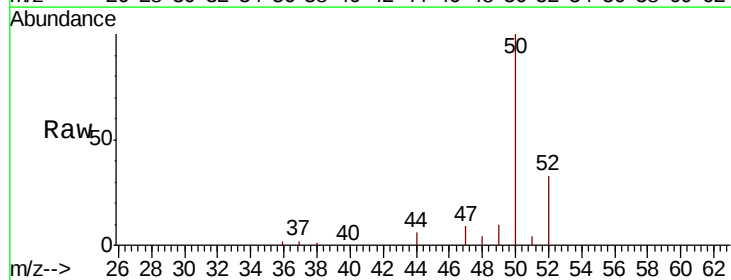
Acq: 20 Mar 2020 17:42

Tgt Ion: 50 Resp: 78323

Ion Ratio Lower Upper

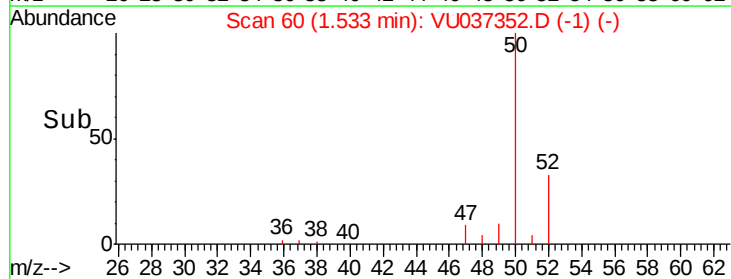
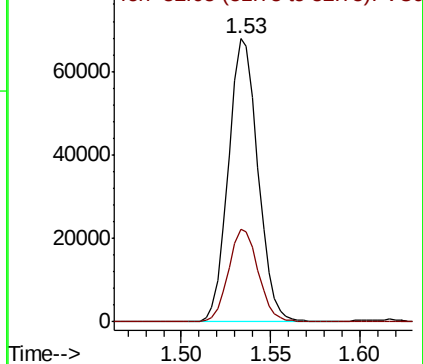
50 100

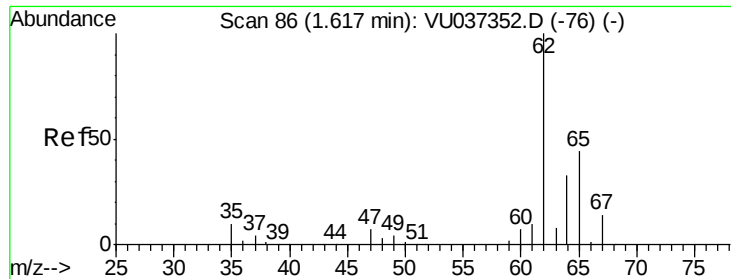
52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.666 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Instrument :

MSVOA_U

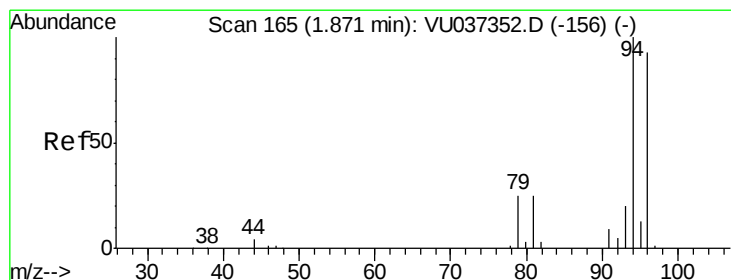
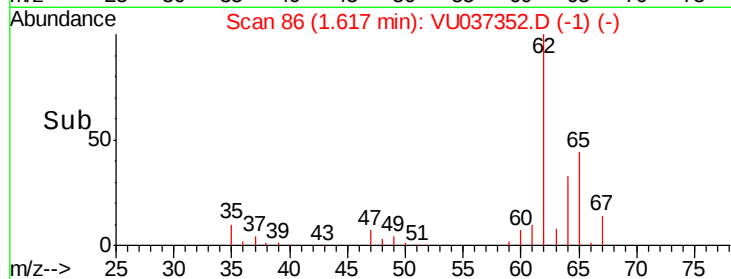
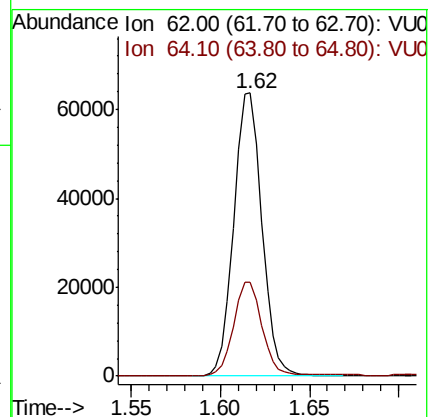
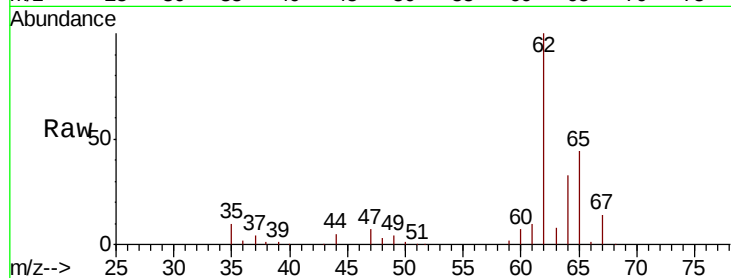
ClientSampleId :

Tot Ion: 62 Resp: 70058

Ion Ratio Lower Upper

62 100

64 33.1 23.2 43.0



#6

Bromomethane

Concen: 3.633 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037352.D

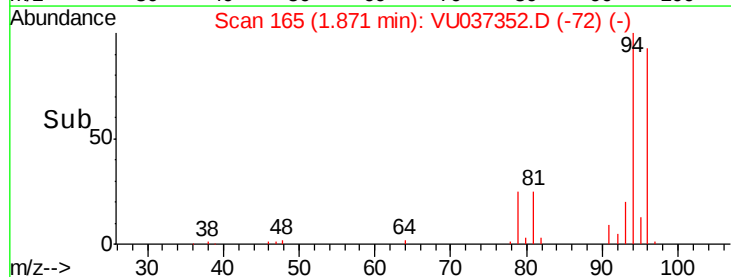
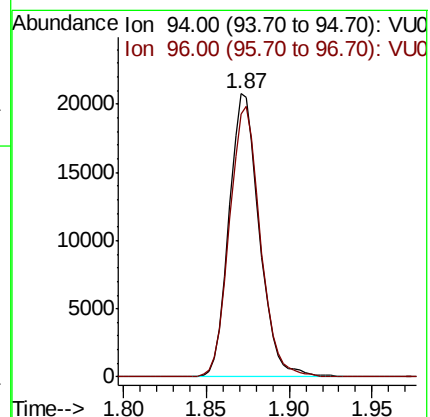
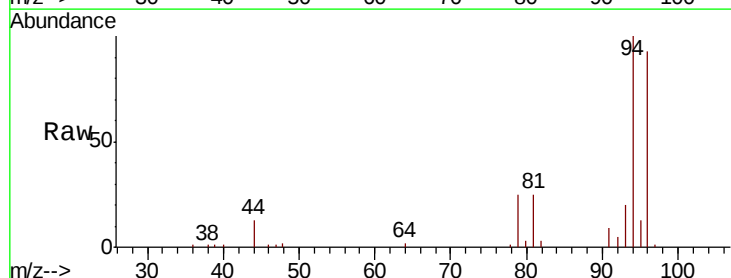
Acq: 20 Mar 2020 17:42

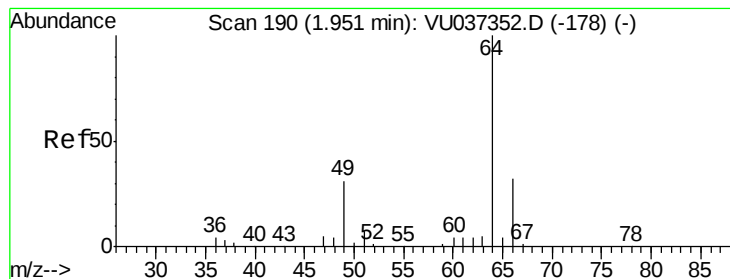
Tgt Ion: 94 Resp: 26425

Ion Ratio Lower Upper

94 100

96 93.0 65.1 120.9





#8

Chloroethane

Concen: 4.451 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

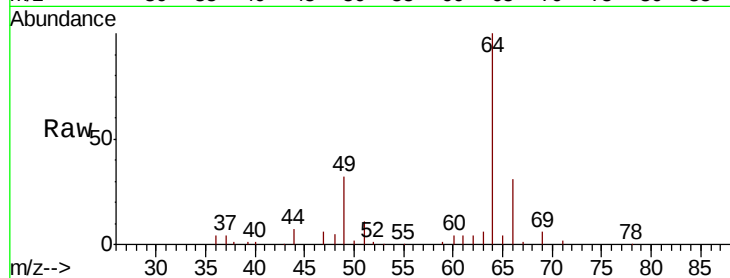
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 38600

Ion Ratio Lower Upper

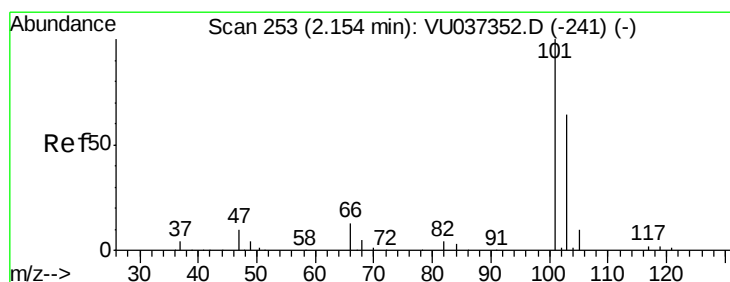
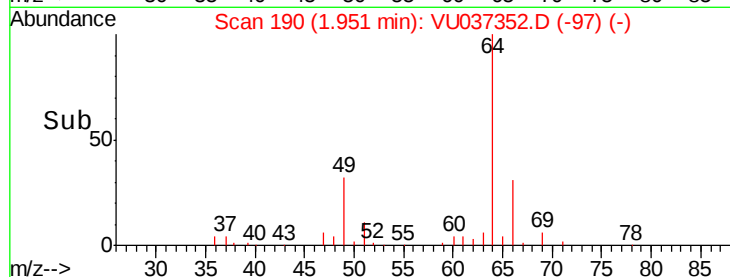
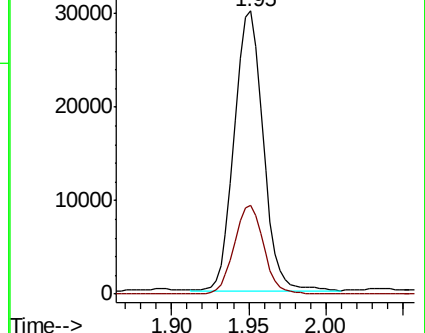
64 100

66 31.2 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU037352.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU037352.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 4.673 ug/L

RT: 2.15 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU037352.D

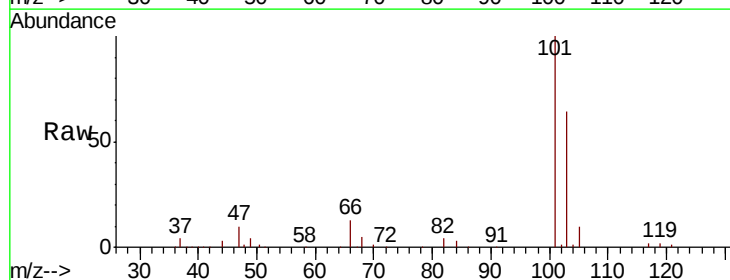
Acq: 20 Mar 2020 17:42

Tgt Ion:101 Resp: 105857

Ion Ratio Lower Upper

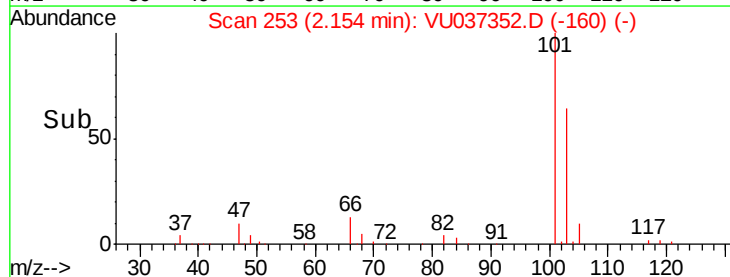
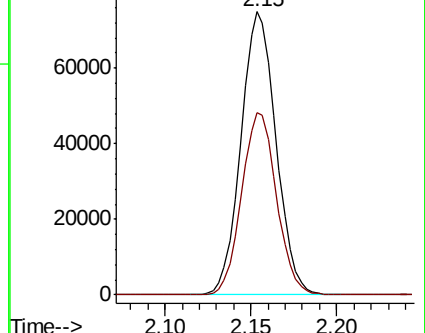
101 100

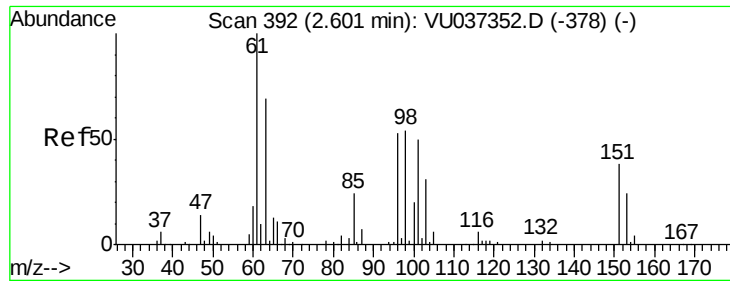
103 64.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU037352.D (-241) (-)

Ion 103.00 (102.70 to 103.70): VU037352.D (-241) (-)





#10

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

Concen: 4.680 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Instrument :

MSVOA_U

ClientSampleId :

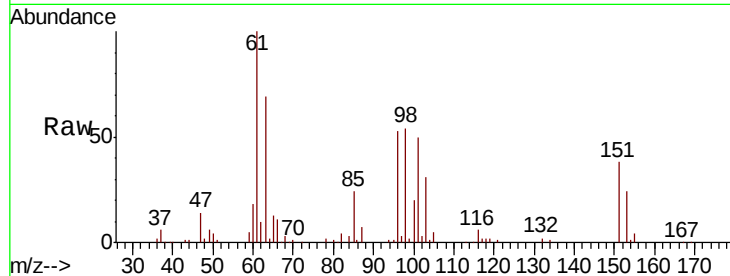
Tot Ion:101 Resp: 49042

Ion Ratio Lower Upper

101 100

85 48.7 39.0 58.4

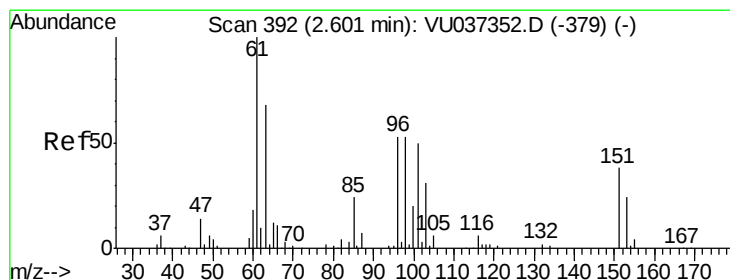
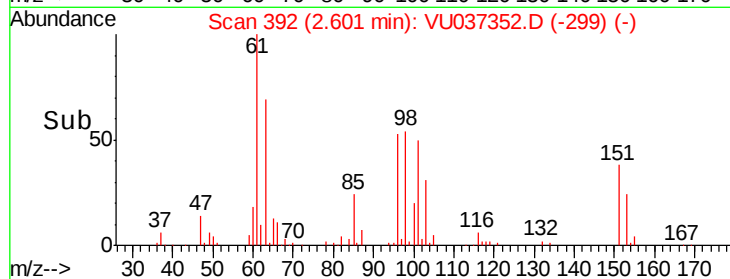
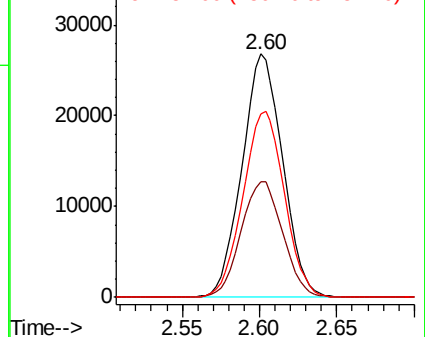
151 77.7 62.2 93.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.844 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

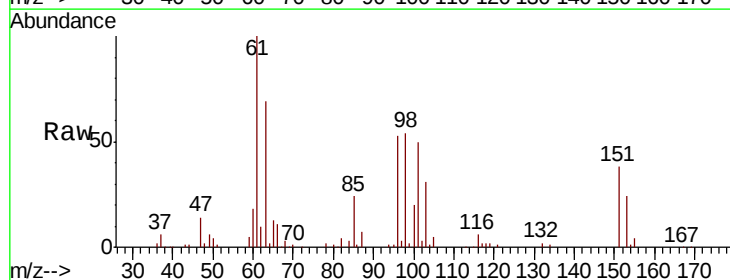
Tgt Ion: 96 Resp: 46016

Ion Ratio Lower Upper

96 100

61 188.1 131.7 244.5

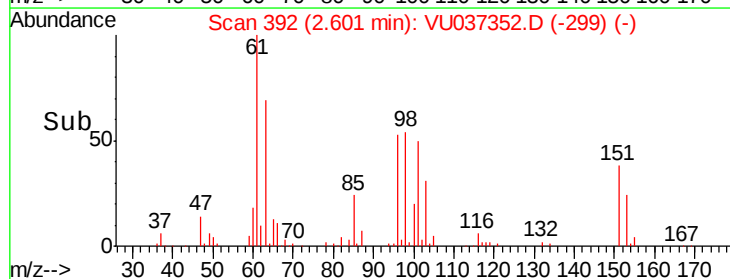
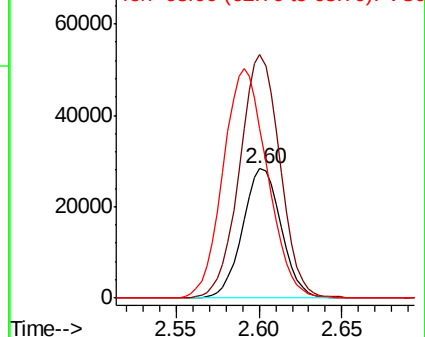
63 130.6 91.4 169.8

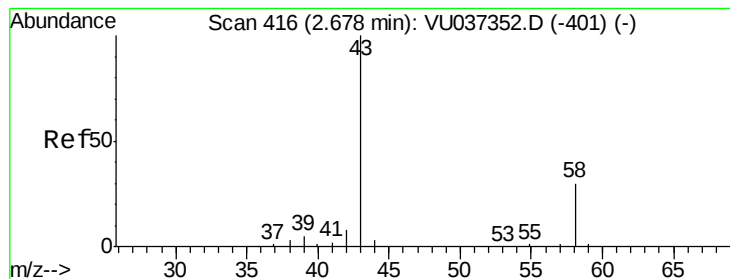


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.303 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

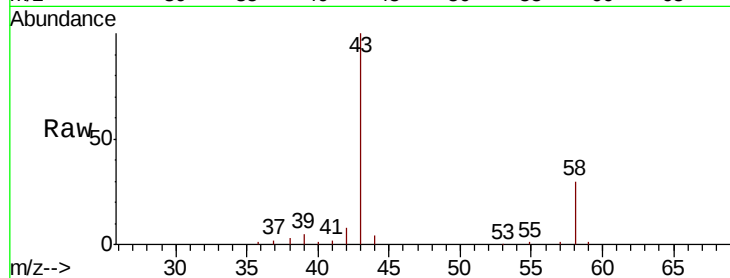
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 80113

Ion Ratio Lower Upper

43 100

58 26.2 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VU037352.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU037352.D (-401) (-)

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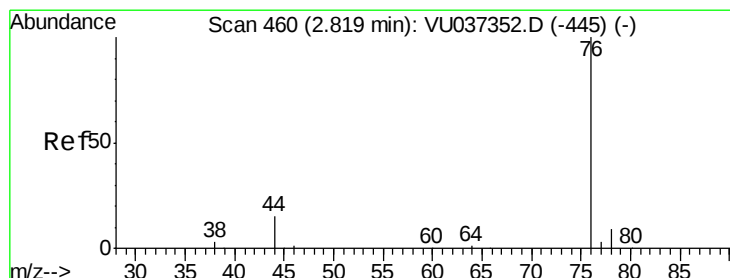
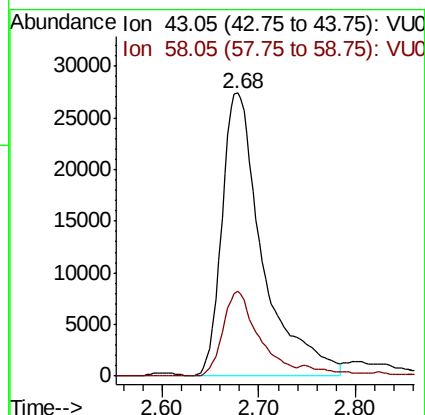
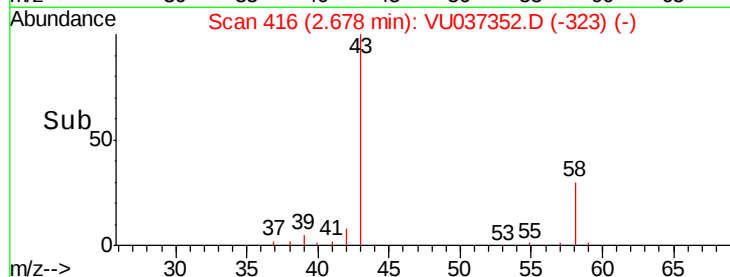
2.68

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#14

Carbon disulfide

Concen: 5.056 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037352.D

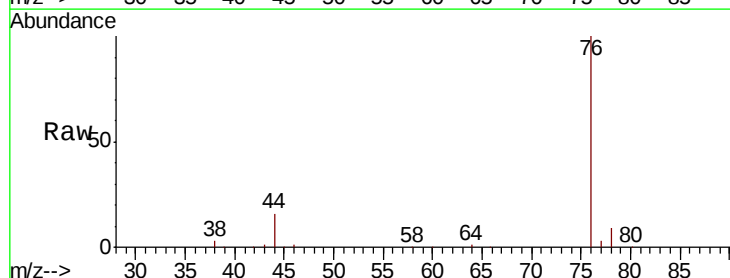
Acq: 20 Mar 2020 17:42

Tgt Ion: 76 Resp: 157339

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU037352.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU037352.D (-445) (-)

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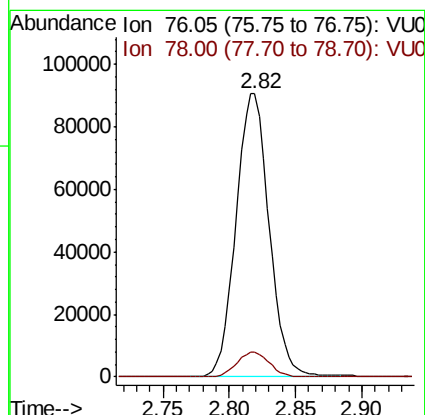
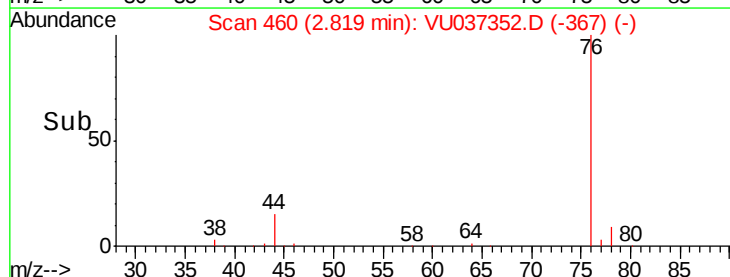
2.82

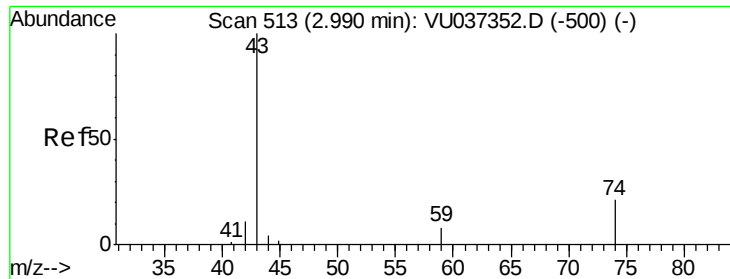
2.82

2.82

2.82

2.82

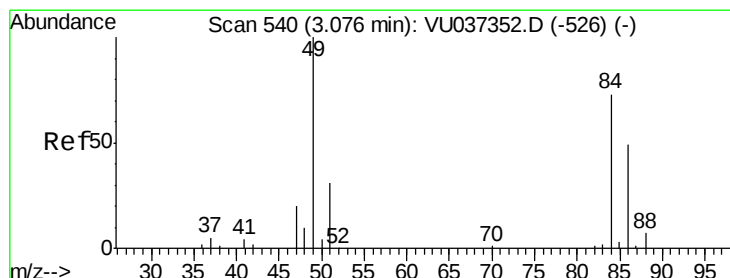
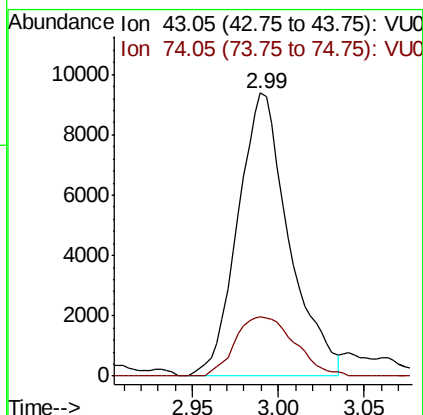
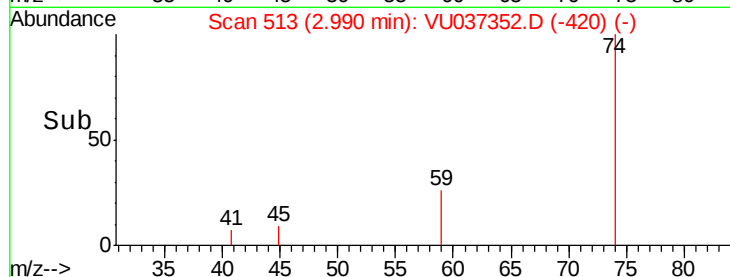
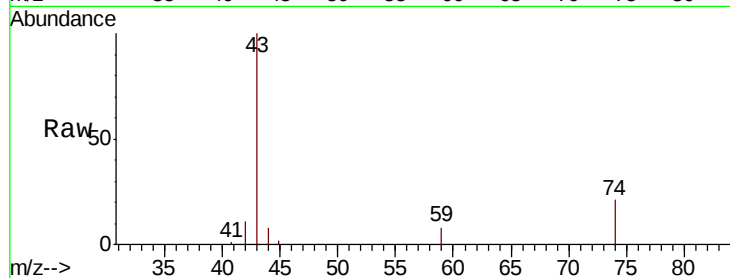




#15
Methyl Acetate
Concen: 4.407 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU037352.D
Acq: 20 Mar 2020 17:42

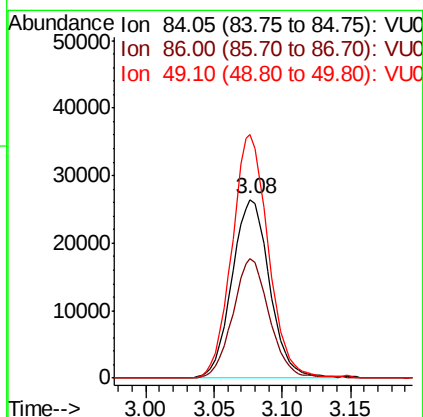
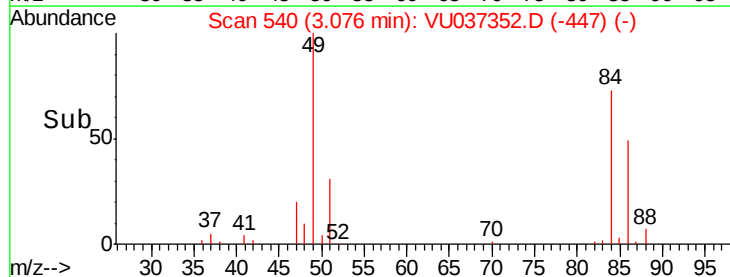
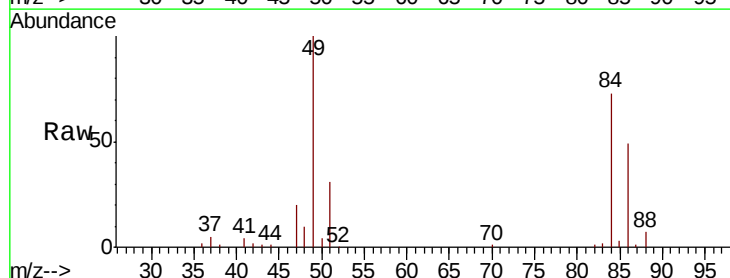
Instrument :
MSVOA_U
ClientSampled :

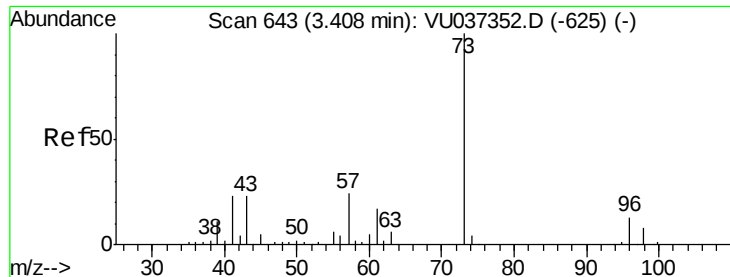
Tot Ion: 43 Resp: 19454
Ion Ratio Lower Upper
43 100
74 24.4 19.5 29.3



#16
Methylene chloride
Concen: 4.466 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037352.D
Acq: 20 Mar 2020 17:42

Tgt Ion: 84 Resp: 50726
Ion Ratio Lower Upper
84 100
86 66.9 46.8 87.0
49 136.3 95.4 177.2

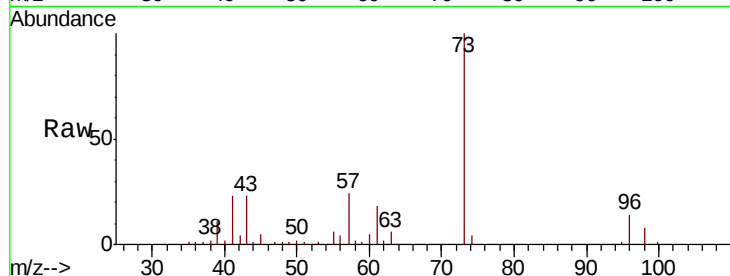




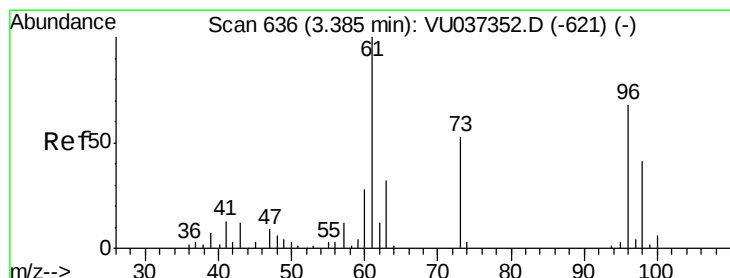
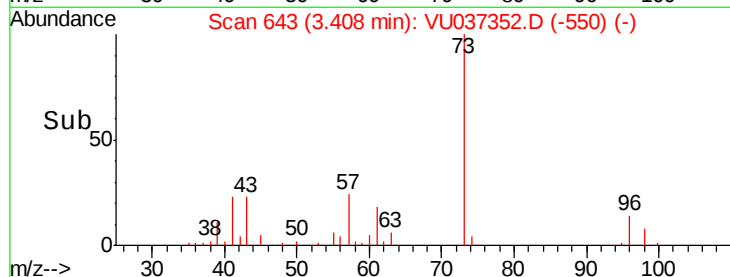
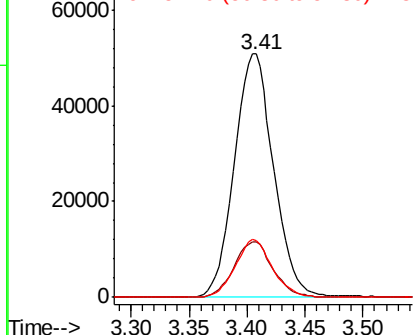
#17
Methvl tert-butvl Ether
Concen: 4.441 ug/L
RT: 3.41 min Scan# 643
Delta R.T. 0.00 min
Lab File: VU037352.D
Acq: 20 Mar 2020 17:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 119077
Ion Ratio Lower Upper
73 100
43 22.7 18.2 27.2
57 22.4 17.9 26.9

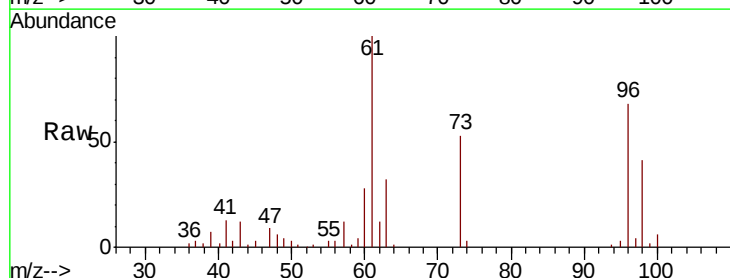


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

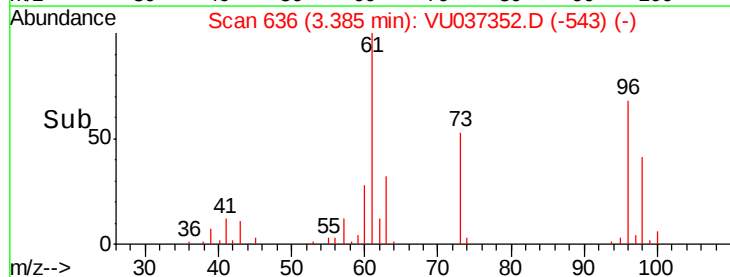
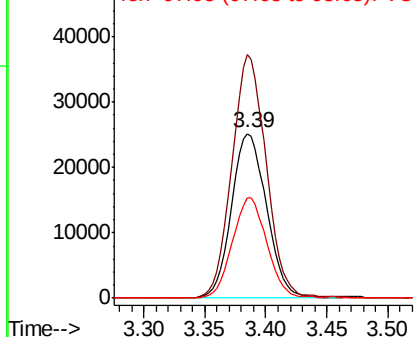


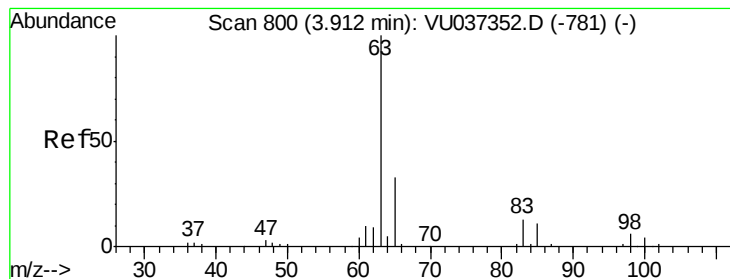
#18
trans-1,2-Dichloroethene
Concen: 4.878 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037352.D
Acq: 20 Mar 2020 17:42

Tgt Ion: 96 Resp: 50279
Ion Ratio Lower Upper
96 100
61 147.8 103.5 192.1
98 60.6 42.4 78.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.599 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Instrument :

MSVOA_U

ClientSampled :

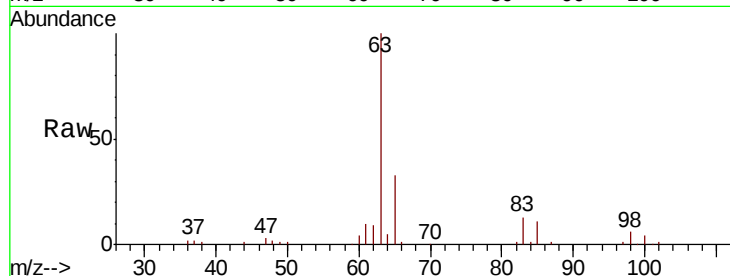
Tot Ion: 63 Resp: 93852

Ion Ratio Lower Upper

63 100

65 32.7 22.9 42.5

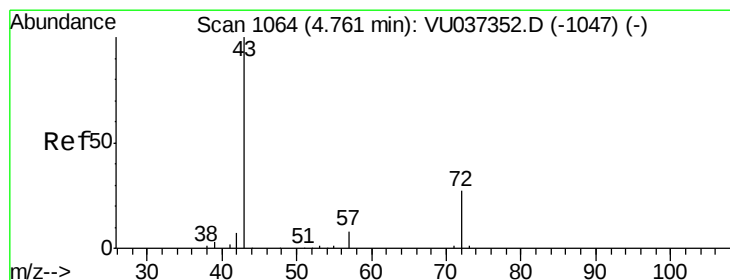
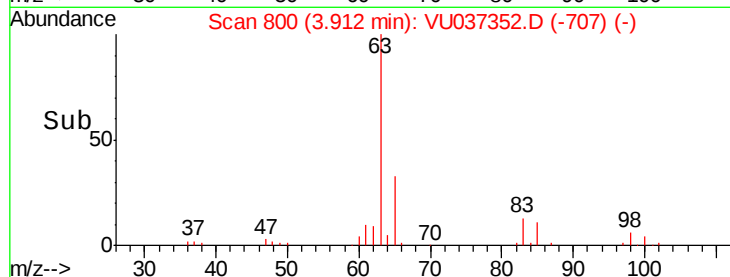
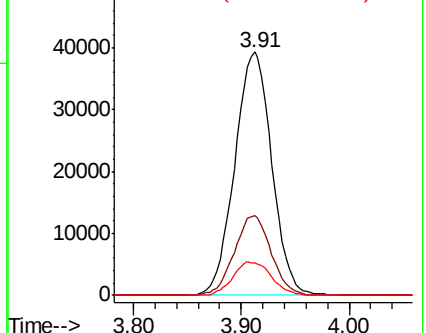
83 13.1 9.2 17.0



Abundance Ion 63.10 (62.80 to 63.80): VU037352.D (-781) (-)

Ion 65.10 (64.80 to 65.80): VU037352.D (-781) (-)

Ion 83.05 (82.75 to 83.75): VU037352.D (-781) (-)



#21

2-Butanone

Concen: 43.516 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VU037352.D

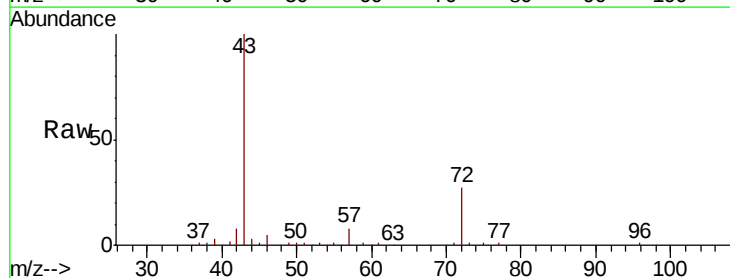
Acq: 20 Mar 2020 17:42

Tgt Ion: 43 Resp: 132696

Ion Ratio Lower Upper

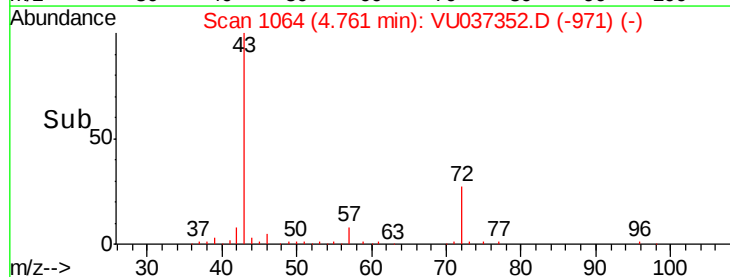
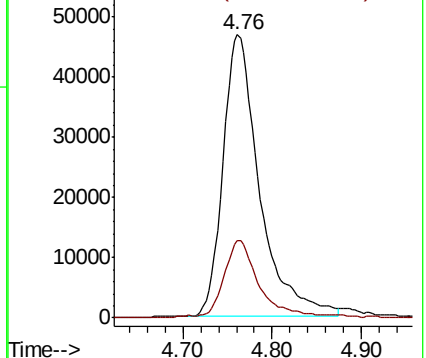
43 100

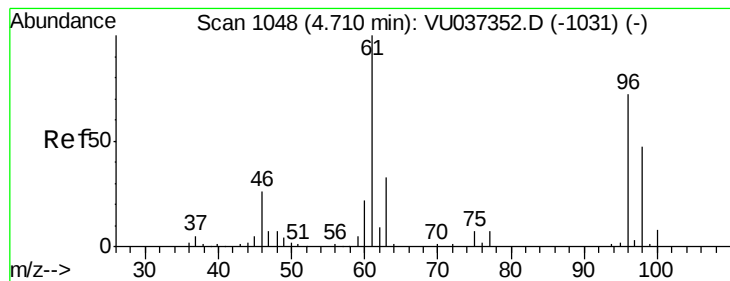
72 25.7 12.9 38.6



Abundance Ion 43.05 (42.75 to 43.75): VU037352.D (-1047) (-)

Ion 72.10 (71.80 to 72.80): VU037352.D (-1047) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.597 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Instrument :

MSVOA_U

ClientSampleId :

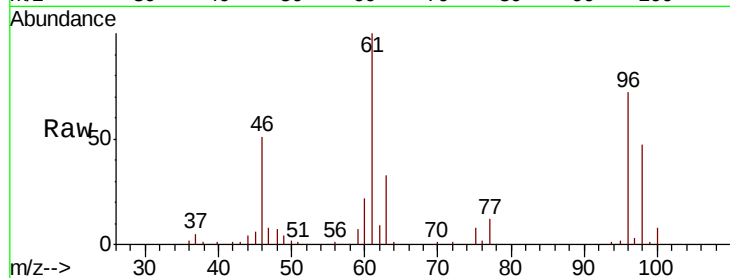
Tot Ion: 96 Resp: 51882

Ion Ratio Lower Upper

96 100

61 139.5 97.6 181.4

68 0.0 0.0 0.0

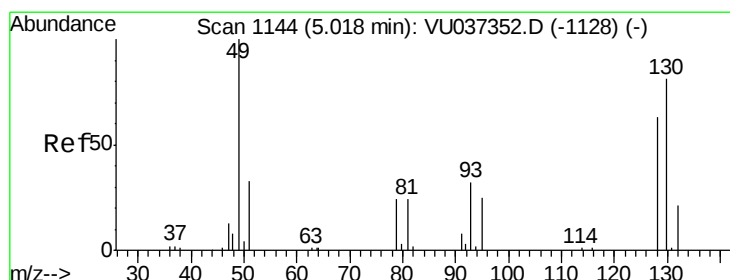
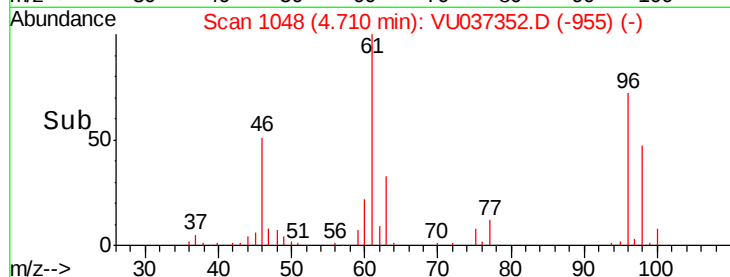
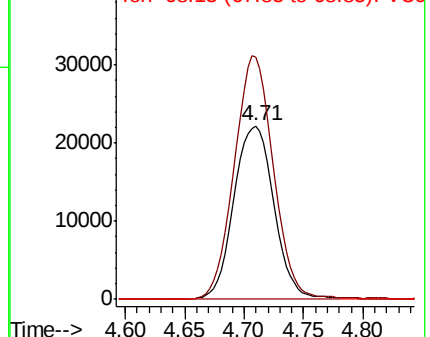


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.759 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Tgt Ion:128 Resp: 24291

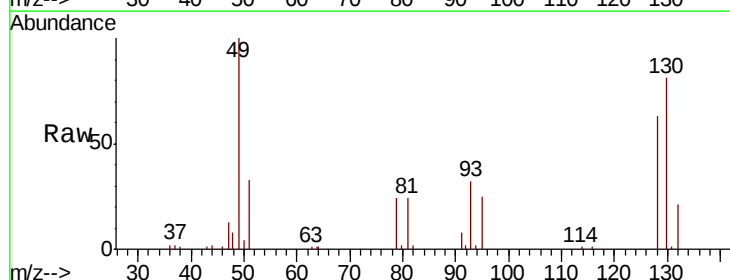
Ion Ratio Lower Upper

128 100

49 158.2 110.7 205.7

130 127.4 89.2 165.6

51 52.6 42.1 63.1



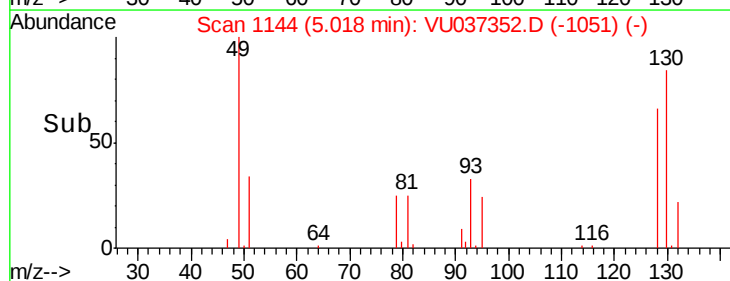
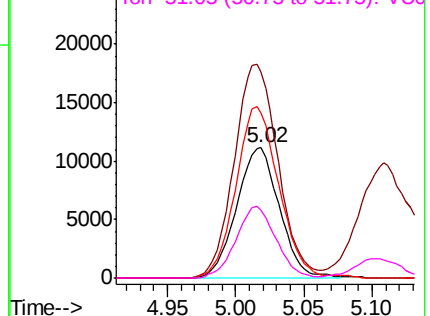
Abundance

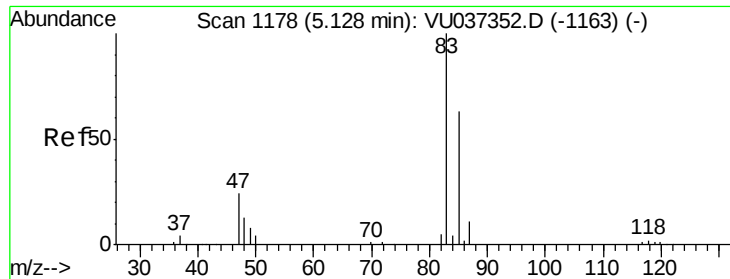
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

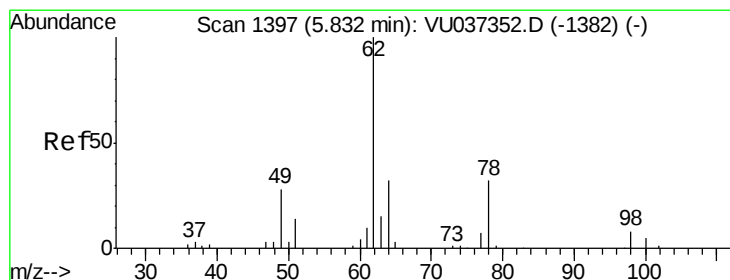
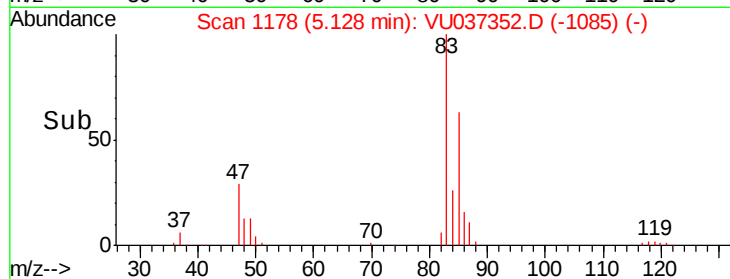
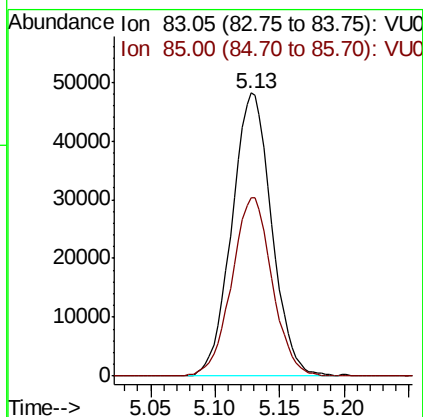
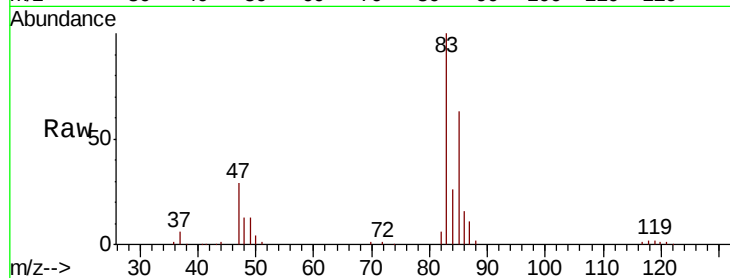




#25
Chloroform
Concen: 4.634 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037352.D
Acq: 20 Mar 2020 17:42

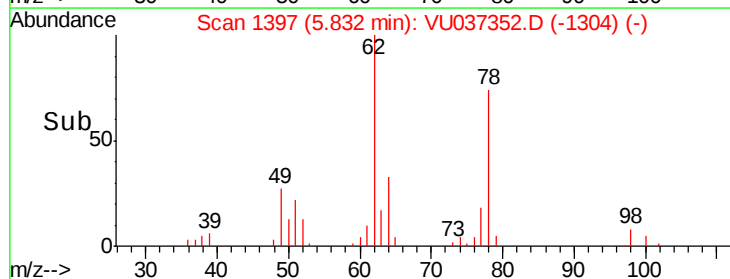
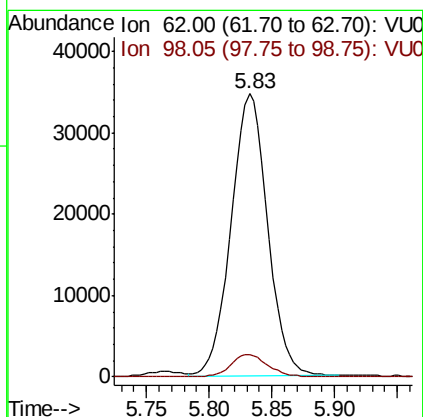
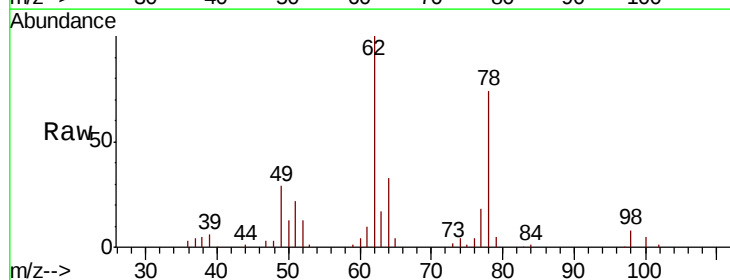
Instrument :
MSVOA_U
ClientSampled :

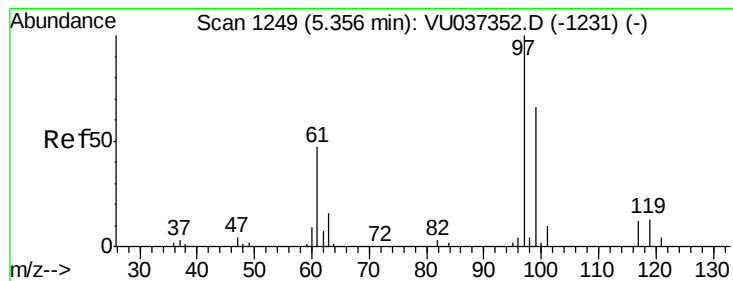
Tot Ion: 83 Resp: 103310
Ion Ratio Lower Upper
83 100
85 63.0 44.1 81.9



#27
1,2-Dichloroethane
Concen: 4.516 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037352.D
Acq: 20 Mar 2020 17:42

Tgt Ion: 62 Resp: 70315
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6





#29

1,1,1-Trichloroethane

Concen: 4.787 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Instrument :

MSVOA_U

ClientSampleId :

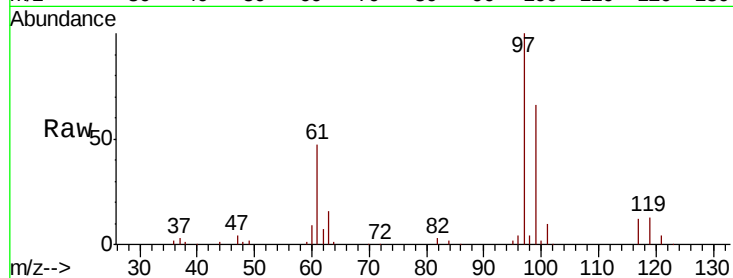
Tot Ion: 97 Resp: 94432

Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 46.0 36.8 55.2

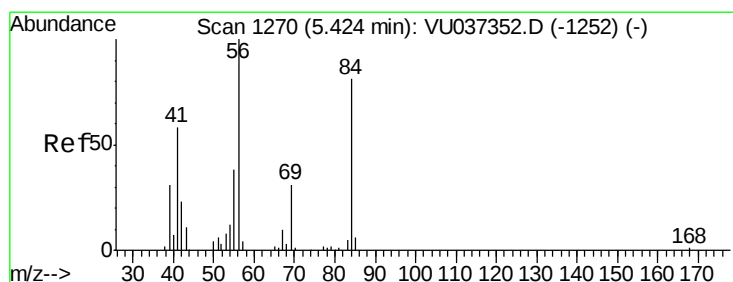
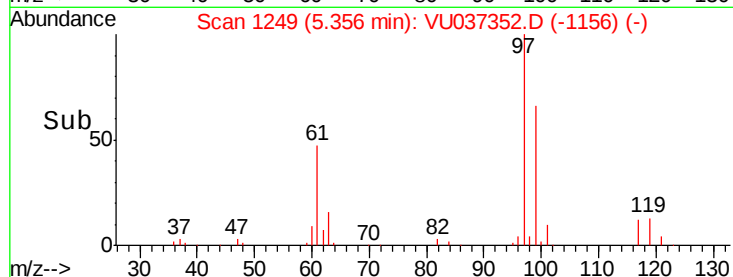
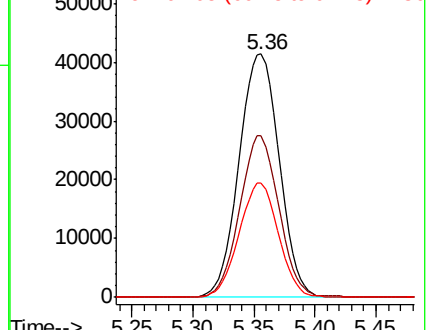


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.579 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

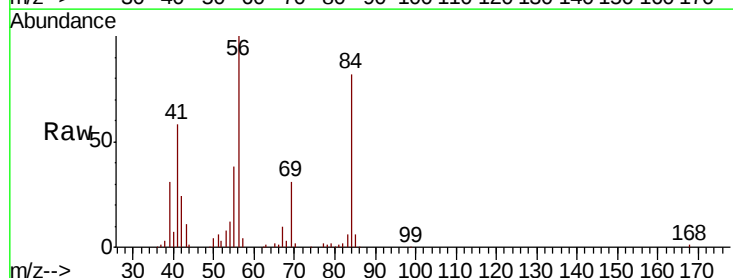
Tgt Ion: 56 Resp: 80551

Ion Ratio Lower Upper

56 100

69 30.8 24.6 37.0

84 85.6 68.5 102.7

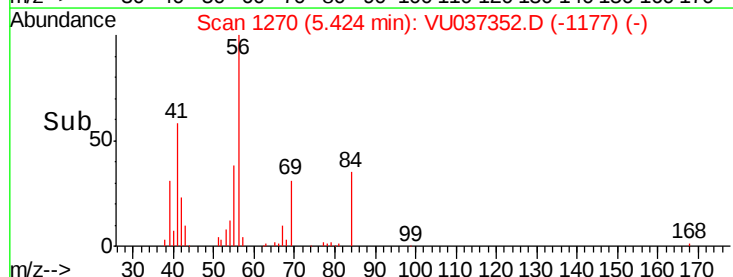
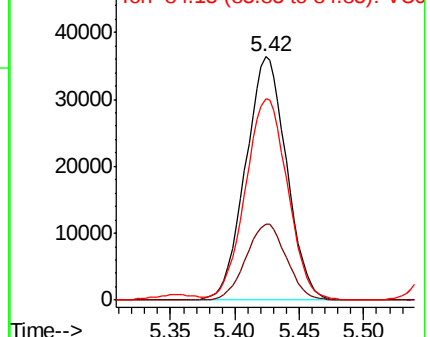


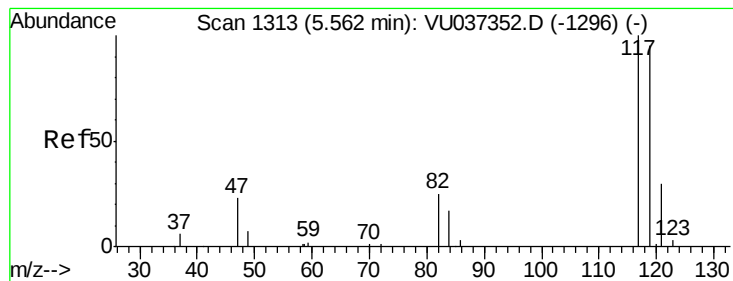
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.750 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Instrument :

MSVOA_U

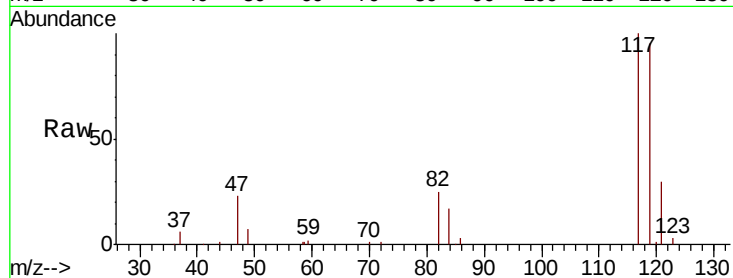
ClientSampleId :

Tot Ion:117 Resp: 82542

Ion Ratio Lower Upper

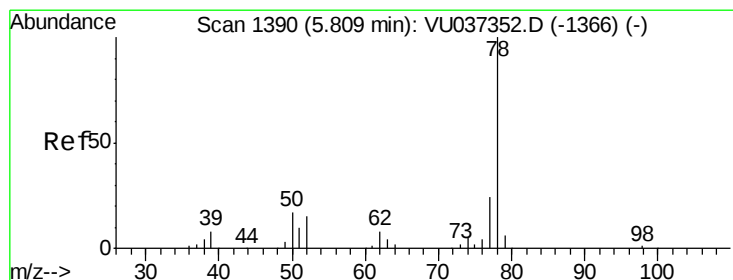
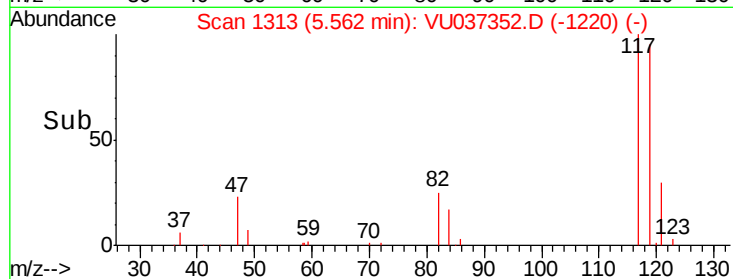
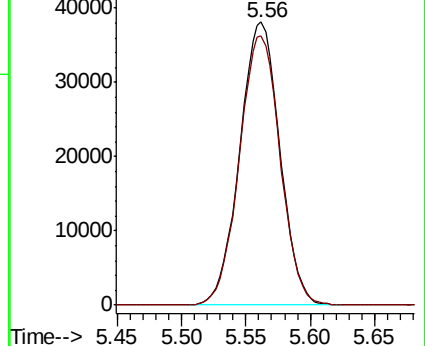
117 100

119 96.6 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.733 ug/L

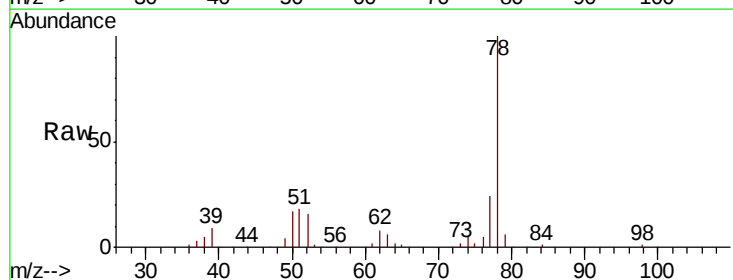
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Tgt Ion: 78 Resp: 204873



Abundance Ion 78.10 (77.80 to 78.80): VU0

120000

100000

80000

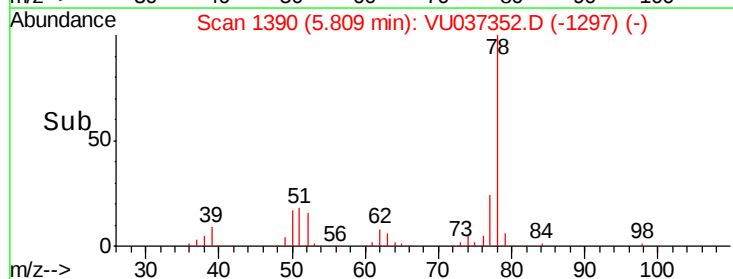
60000

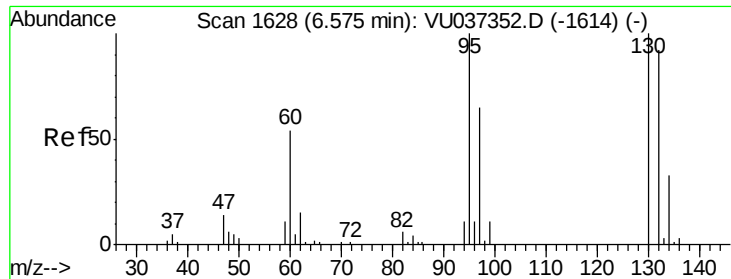
40000

20000

0

Time-->

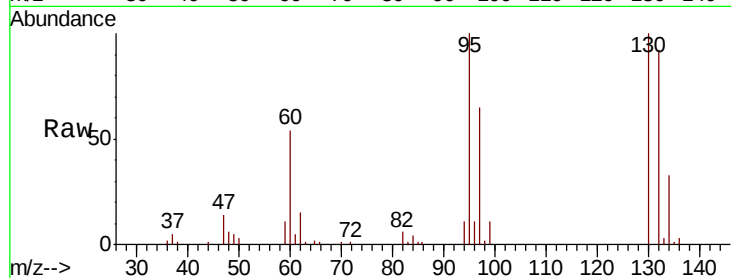




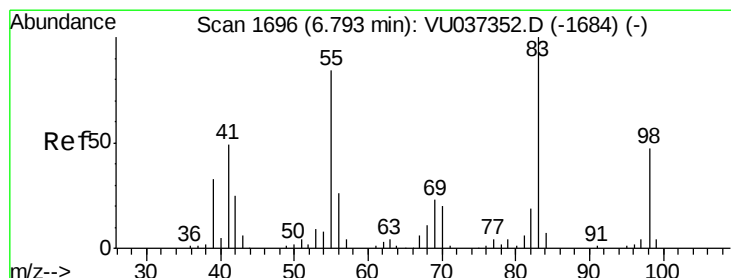
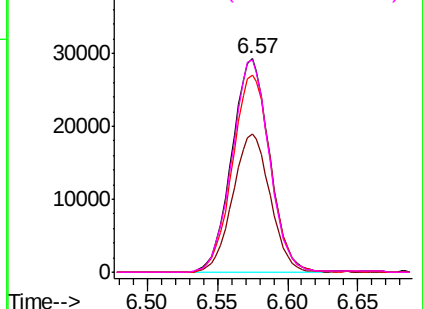
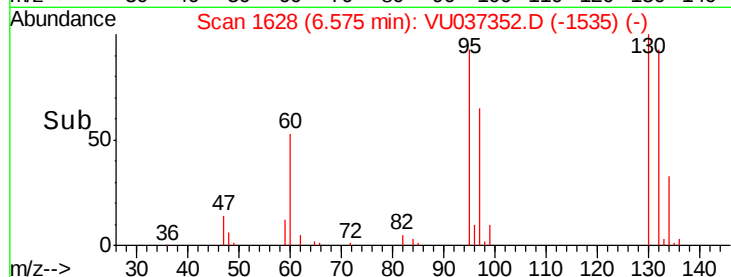
#34
 Trichloroethene
 Concen: 4.650 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 54813
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.5 84.5
 132 92.4 64.7 120.1
 130 99.6 69.7 129.5

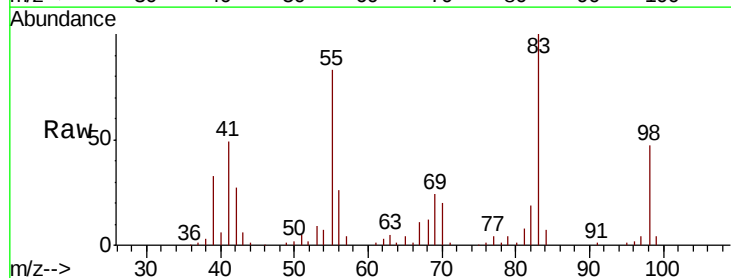


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

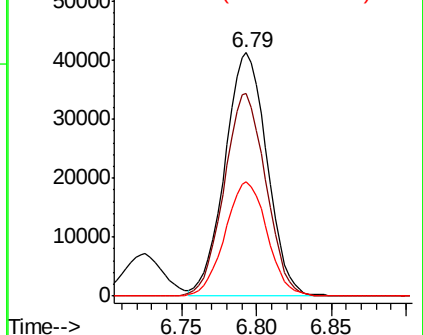
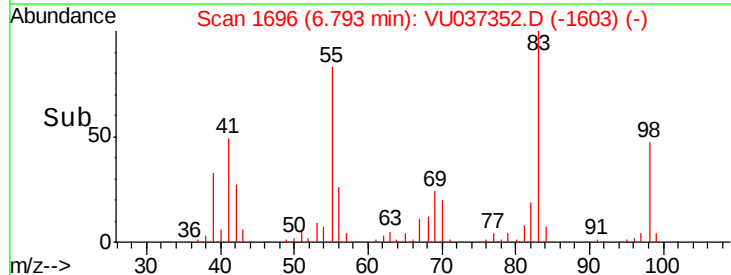


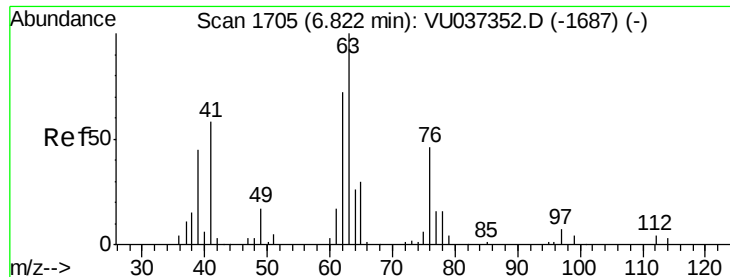
#35
 Methylcyclohexane
 Concen: 4.559 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

Tgt Ion: 83 Resp: 80837
 Ion Ratio Lower Upper
 83 100
 55 82.4 65.9 98.9
 98 47.0 37.6 56.4



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

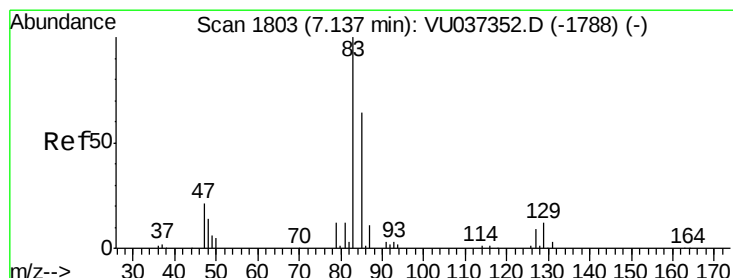
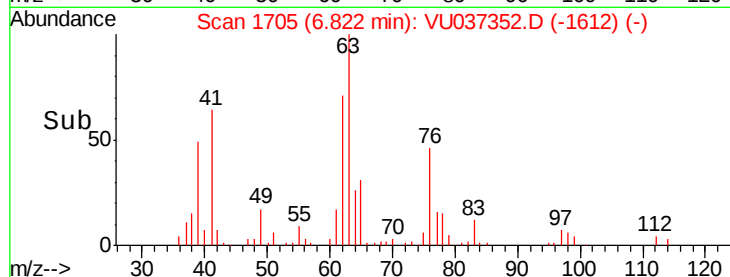
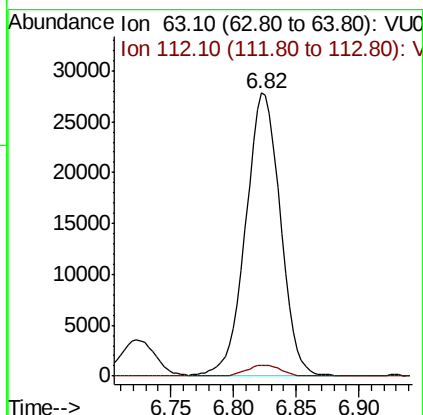
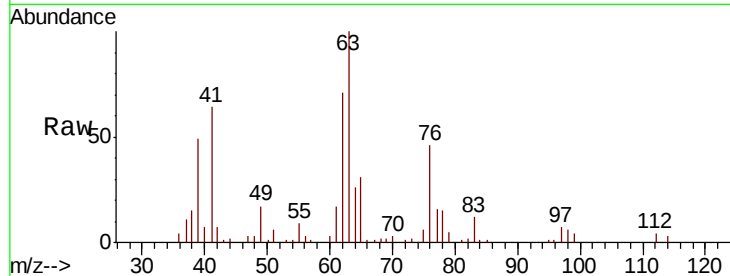




#37
 1,2-Dichloropropane
 Concen: 4.706 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

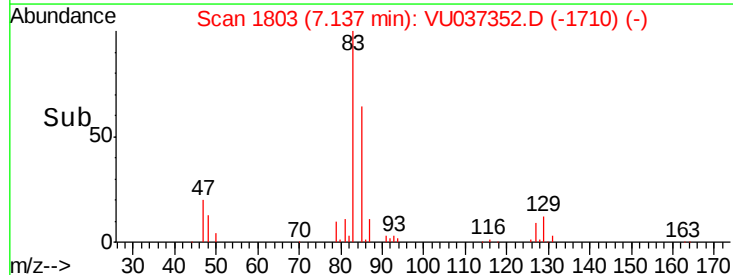
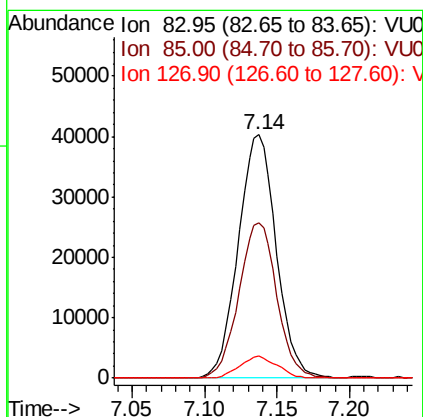
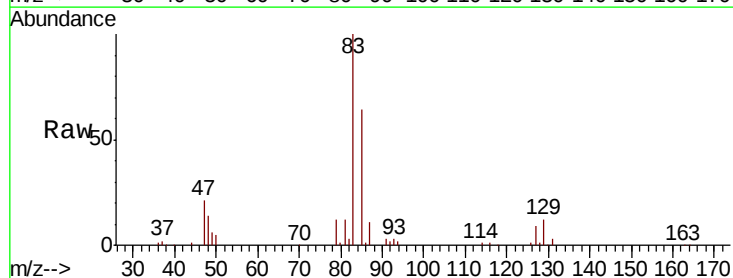
Instrument :
 MSVOA_U
 ClientSampled :

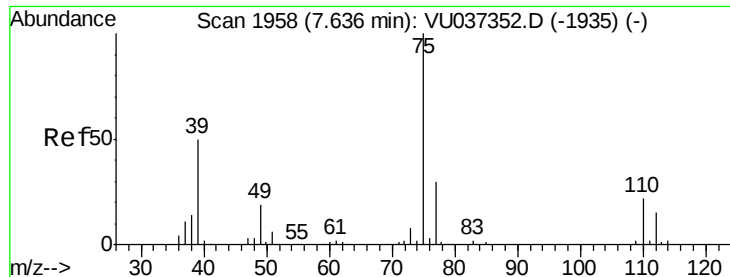
Tot Ion: 63 Resp: 53712
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 4.579 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

Tgt Ion: 83 Resp: 73385
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.7 82.9
 127 8.8 7.0 10.6

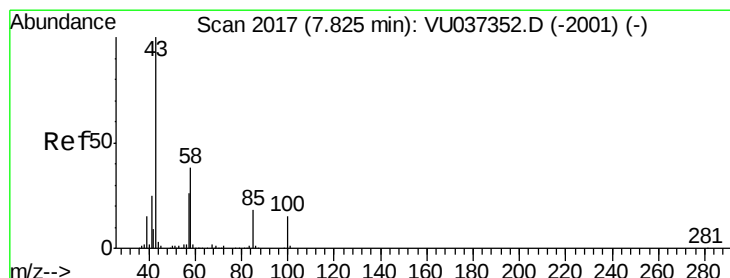
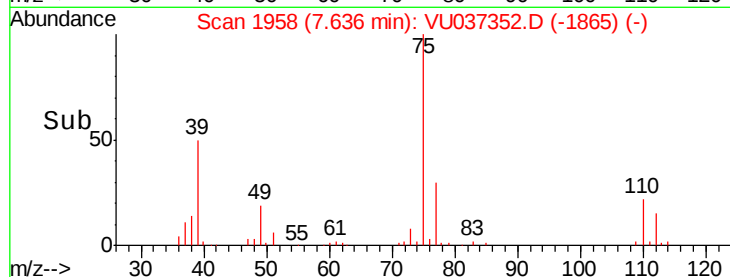
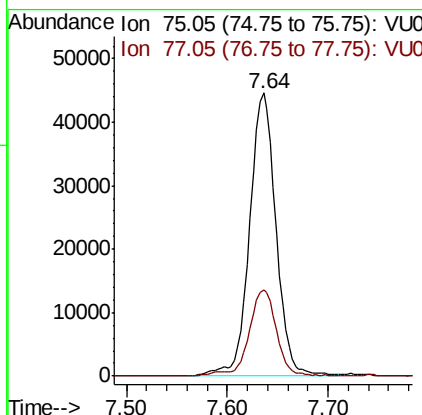
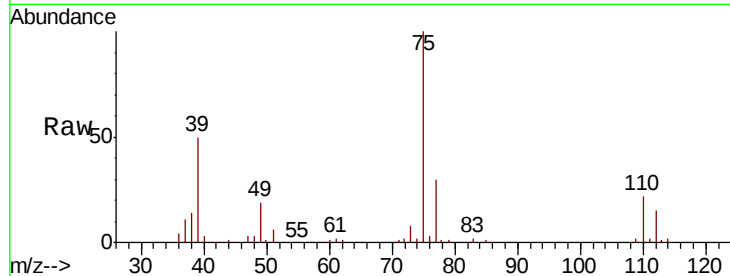




#39
 cis-1,3-Dichloropropene
 Concen: 4.705 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

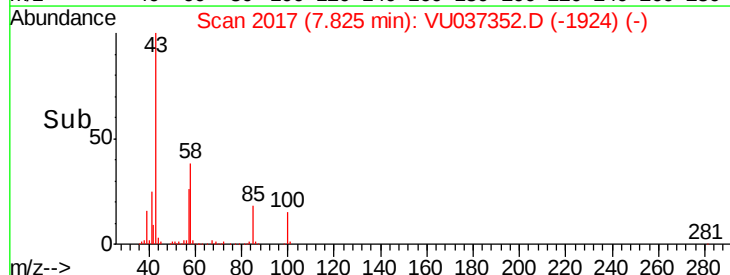
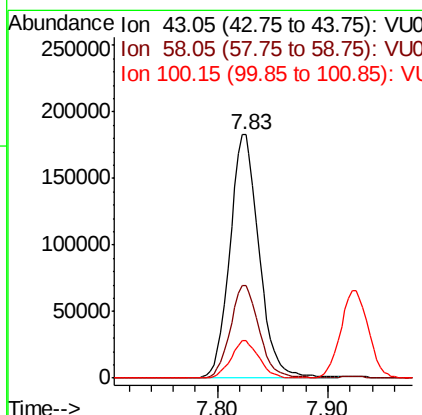
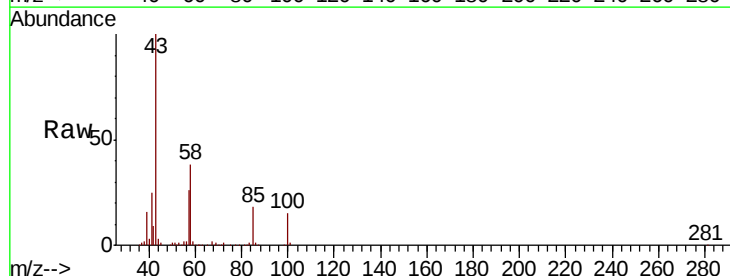
Instrument :
 MSVOA_U
 ClientSampleId :

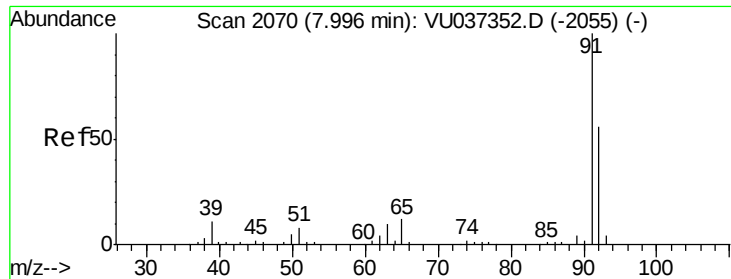
Tot Ion: 75 Resp: 80790
 Ion Ratio Lower Upper
 75 100
 77 30.3 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 44.562 ug/L
 RT: 7.83 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

Tgt Ion: 43 Resp: 336117
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.1 45.1
 100 14.7 11.8 17.6





#42

Toluene

Concen: 4.863 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Instrument :

MSVOA_U

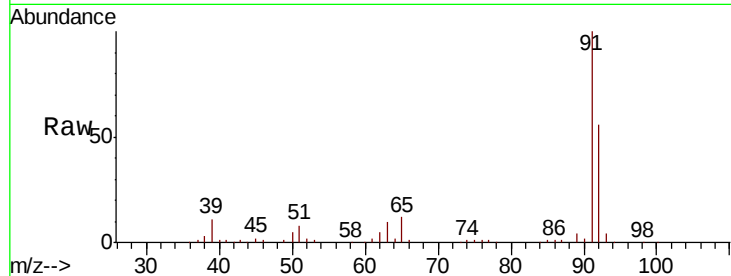
ClientSampleId :

Tot Ion: 91 Resp: 227050

Ion Ratio Lower Upper

91 100

92 55.7 39.0 72.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

8.00

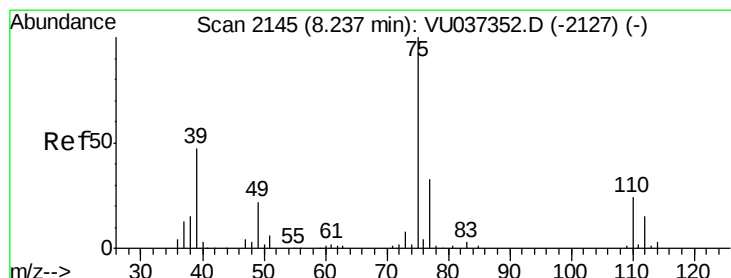
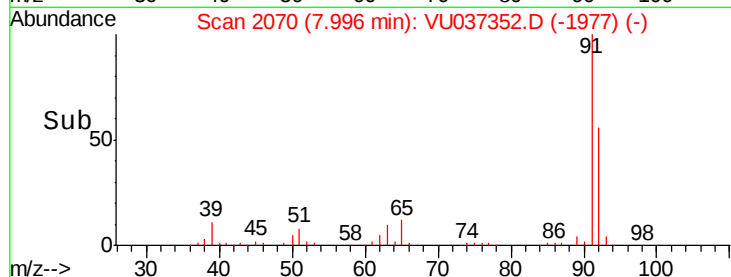
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.024 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037352.D

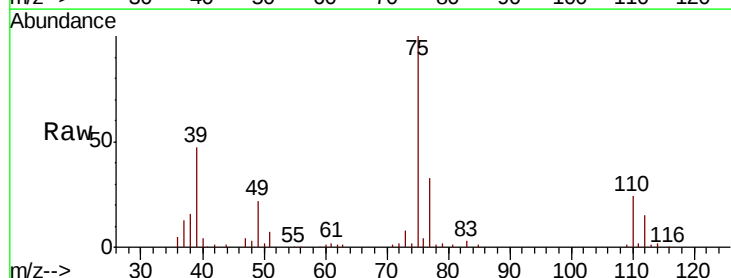
Acq: 20 Mar 2020 17:42

Tgt Ion: 75 Resp: 73478

Ion Ratio Lower Upper

75 100

77 32.8 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.24

40000

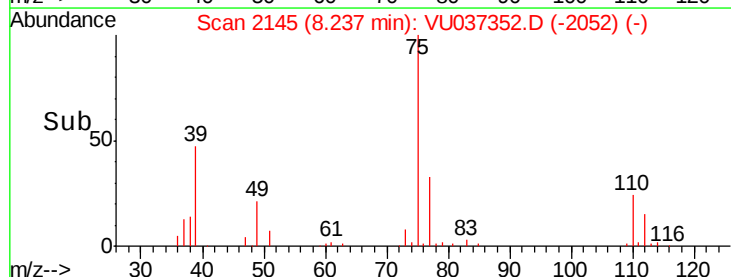
30000

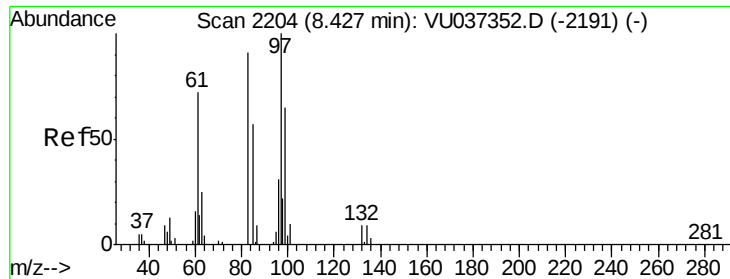
20000

10000

0

Time-->

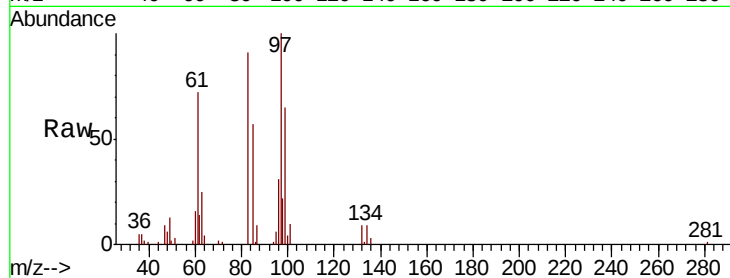




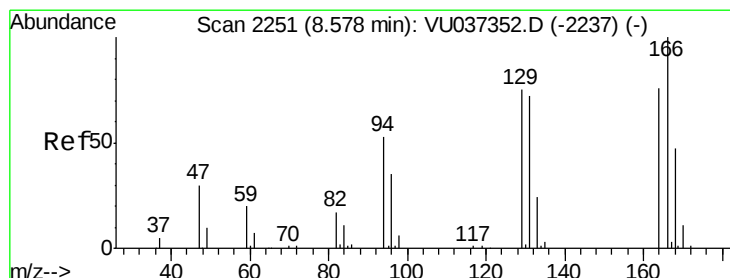
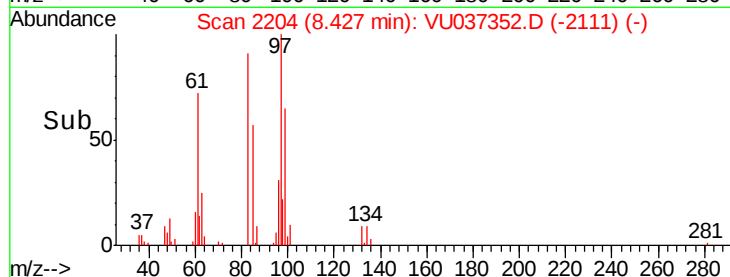
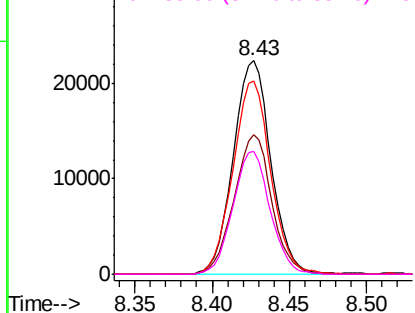
#45
1,1,2-Trichloroethane
Concen: 4.609 ug/L
RT: 8.43 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VU037352.D
Acq: 20 Mar 2020 17:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	37820
Ion	Ratio	Lower	Upper
97	100		
99	65.4	45.8	85.0
83	90.6	63.4	117.8
85	57.3	40.1	74.5

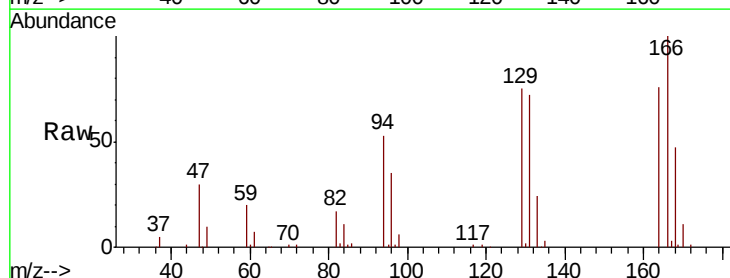


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

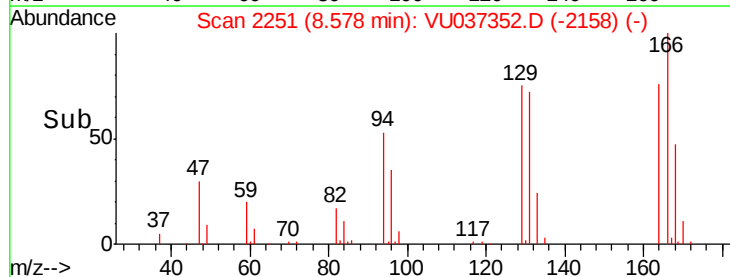
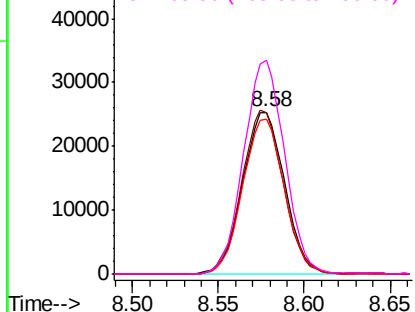


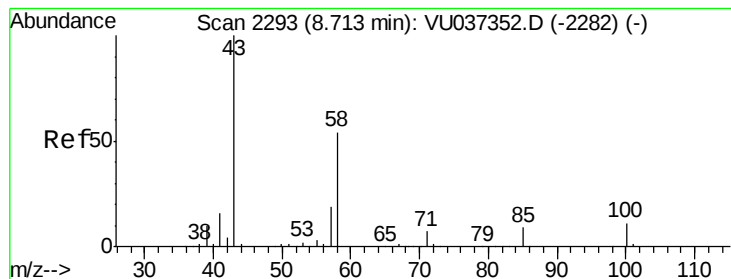
#47
Tetrachloroethene
Concen: 4.699 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. 0.00 min
Lab File: VU037352.D
Acq: 20 Mar 2020 17:42

Tgt Ion:	164	Resp:	43111
Ion	Ratio	Lower	Upper
164	100		
129	99.8	69.9	129.7
131	95.9	67.1	124.7
166	132.4	92.7	172.1



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 44.922 ug/L

RT: 8.71 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 43 Resp: 249867

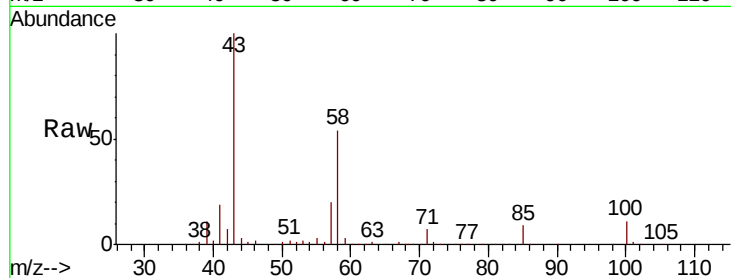
Ion Ratio Lower Upper

43 100

58 53.1 42.5 63.7

57 19.0 15.2 22.8

100 11.1 8.9 13.3

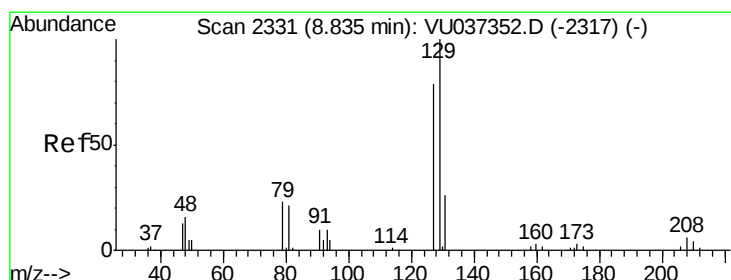
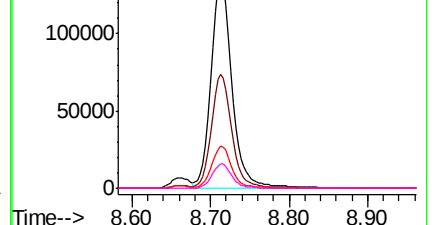
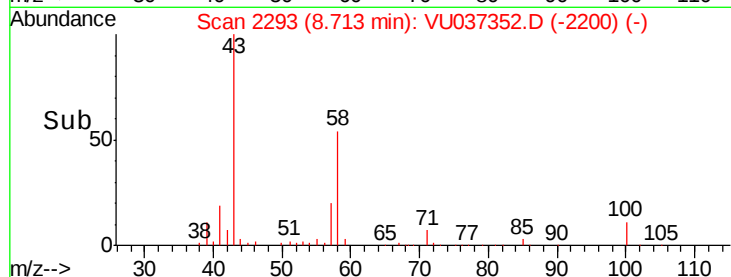


Abundance Ion 43.05 (42.75 to 43.75): VU037352.D (-2282) (-)

Ion 58.05 (57.75 to 58.75): VU037352.D (-2282) (-)

Ion 57.20 (56.90 to 57.90): VU037352.D (-2282) (-)

Ion 100.15 (99.85 to 100.85): VU037352.D (-2282) (-)



#49

Dibromochloromethane

Concen: 4.589 ug/L

RT: 8.84 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU037352.D

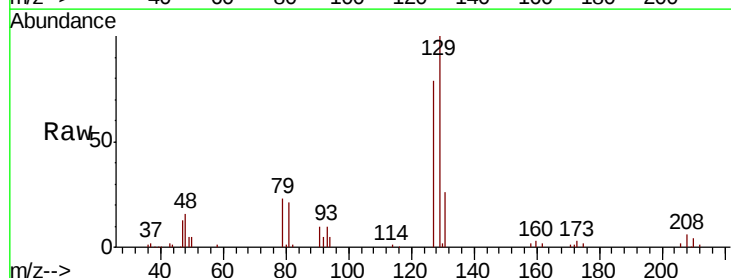
Acq: 20 Mar 2020 17:42

Tgt Ion: 129 Resp: 48949

Ion Ratio Lower Upper

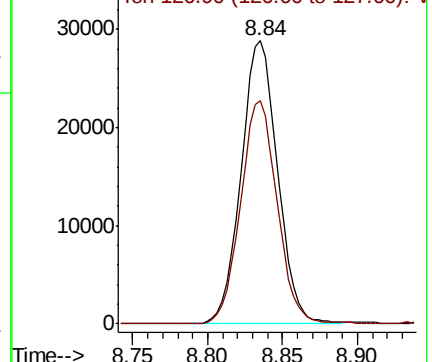
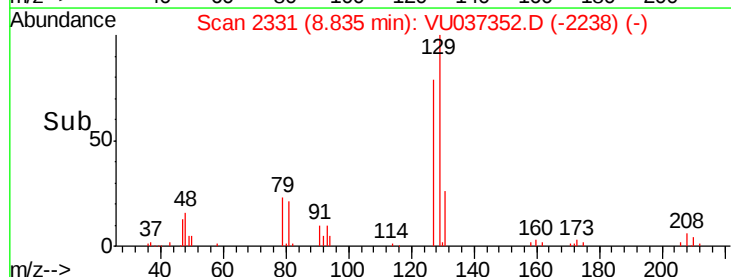
129 100

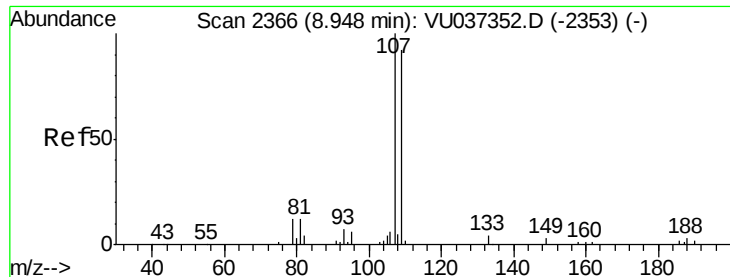
127 78.7 55.1 102.3



Abundance Ion 128.95 (128.65 to 129.65): VU037352.D (-2331) (-)

Ion 126.90 (126.60 to 127.60): VU037352.D (-2331) (-)

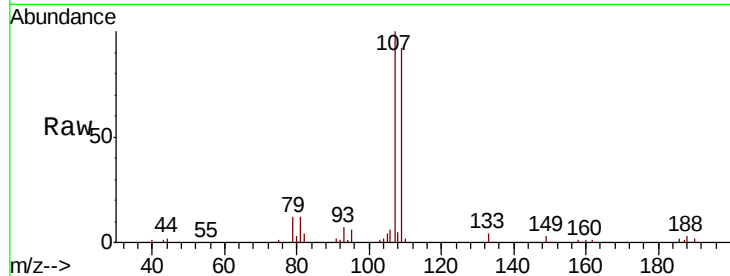




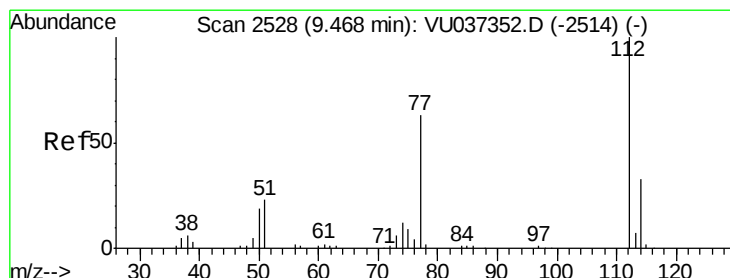
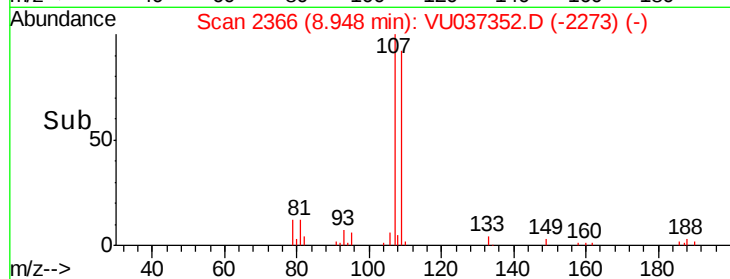
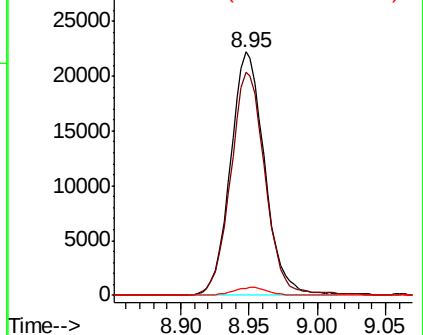
#50
 1,2-Dibromoethane
 Concen: 4.812 ug/L
 RT: 8.95 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 38629
 Ion Ratio Lower Upper
 107 100
 109 91.6 64.1 119.1
 188 3.0 2.4 3.6

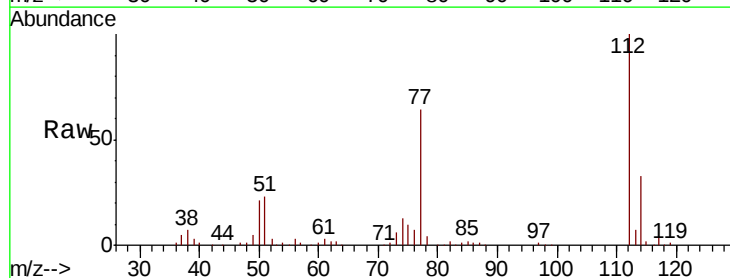


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

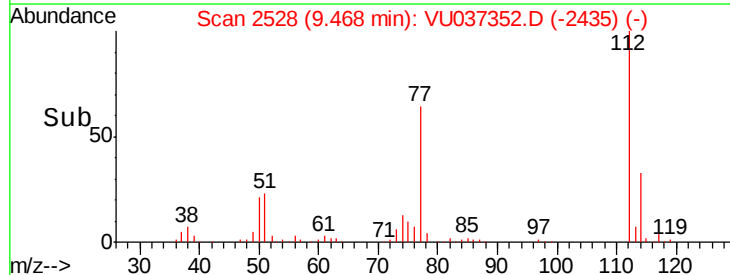
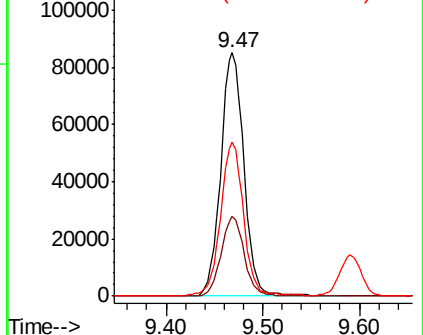


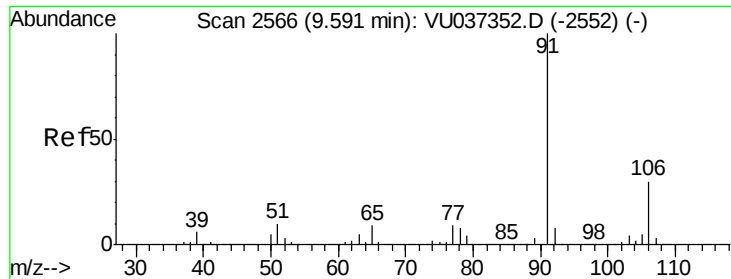
#51
 Chlorobenzene
 Concen: 4.678 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

Tgt Ion:112 Resp: 141074
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.9 42.5
 77 63.5 50.8 76.2



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.690 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Instrument :

MSVOA_U

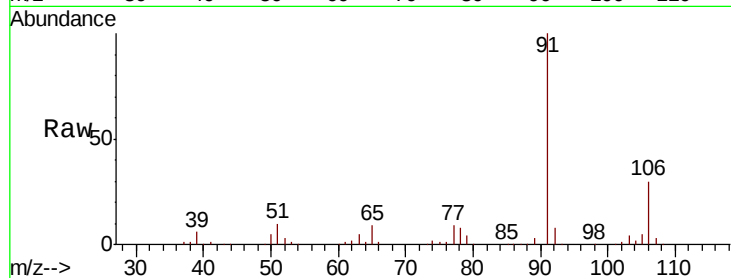
ClientSampleId :

Tot Ion: 91 Resp: 247527

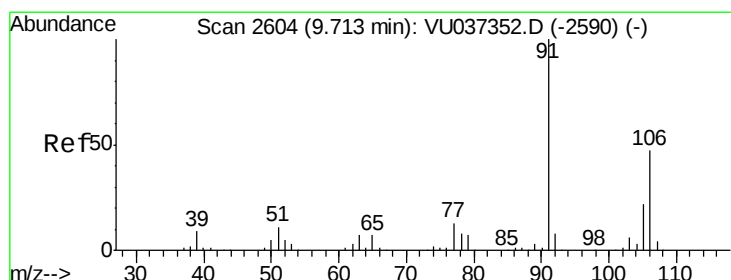
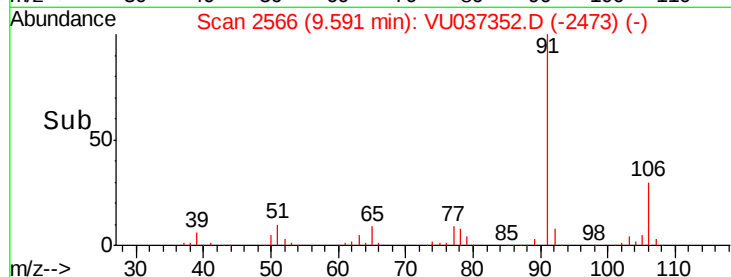
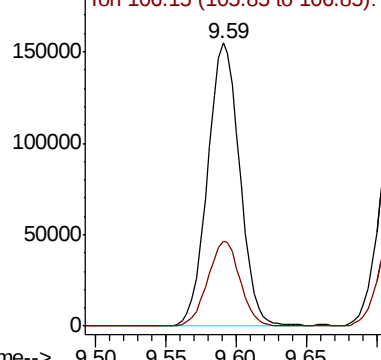
Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU037352.D (-2552) (-)



#53

m,p-Xylene

Concen: 4.764 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037352.D

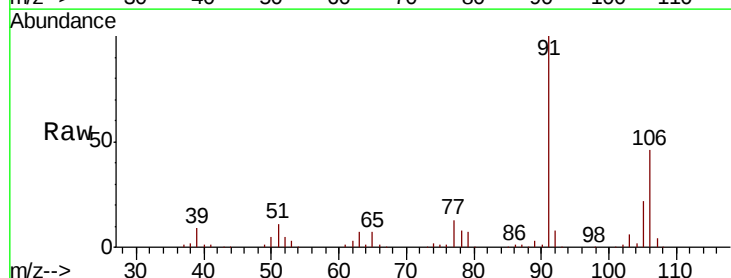
Acq: 20 Mar 2020 17:42

Tgt Ion: 106 Resp: 92738

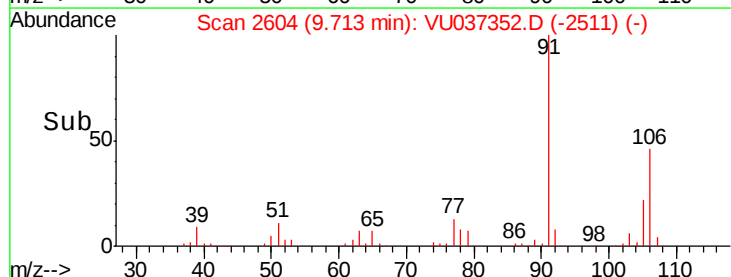
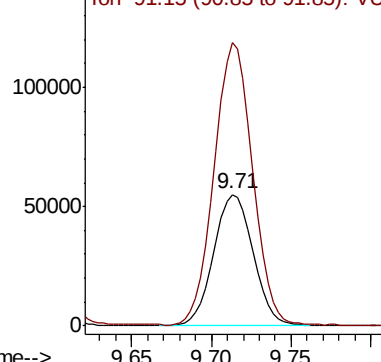
Ion Ratio Lower Upper

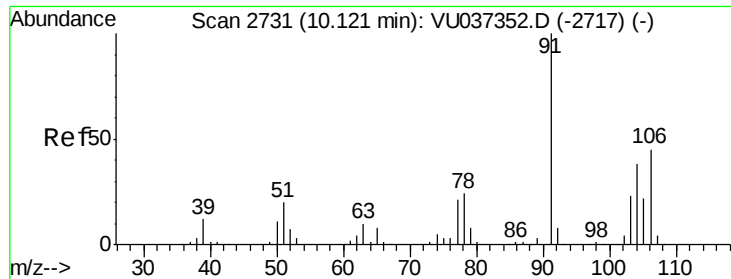
106 100

91 215.9 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): VU037352.D (-2590) (-)

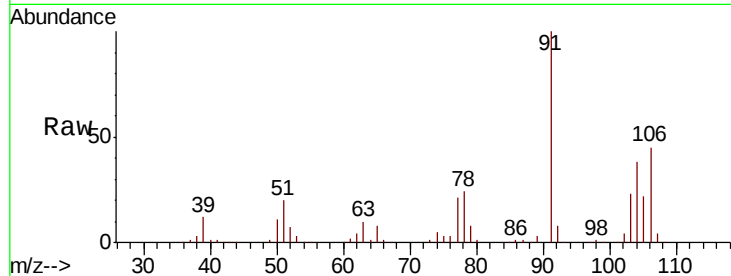




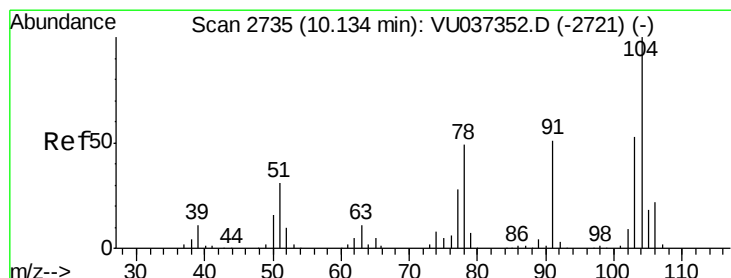
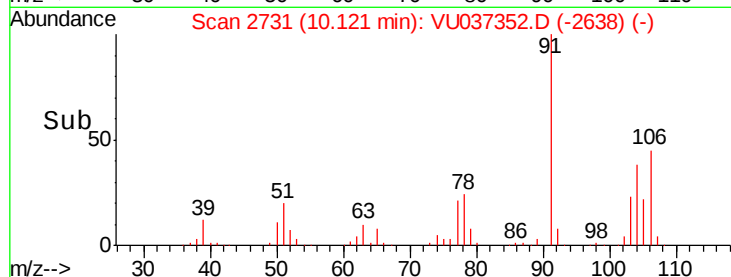
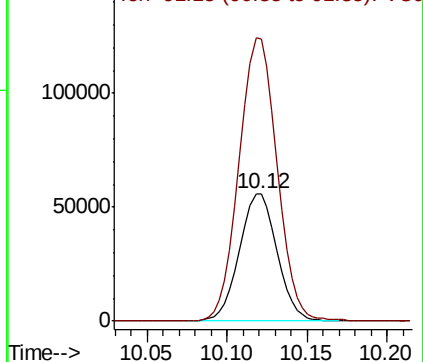
#54
o-Xylene
Concen: 4.854 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037352.D
Acq: 20 Mar 2020 17:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 89819
Ion Ratio Lower Upper
106 100
91 221.4 155.0 287.8

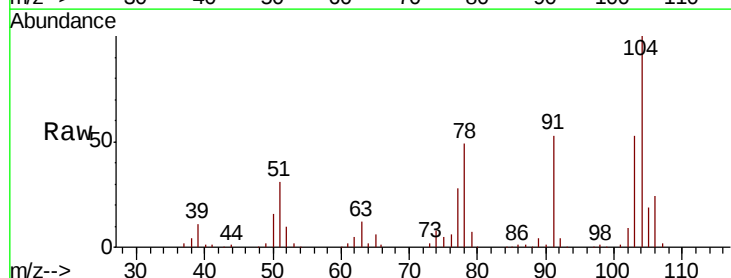


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

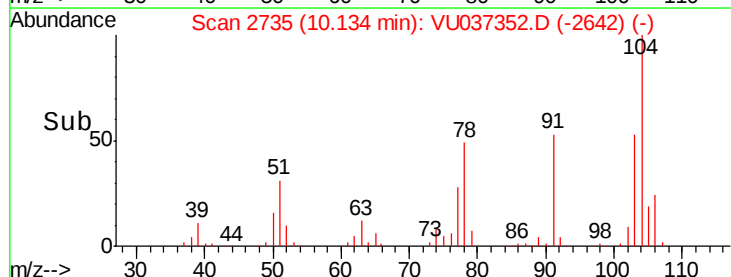
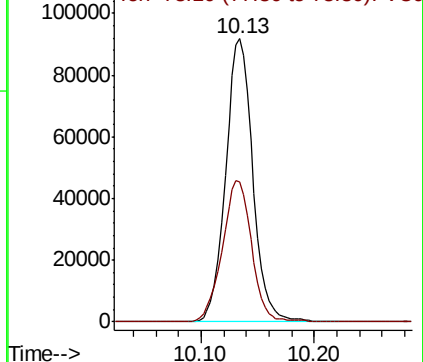


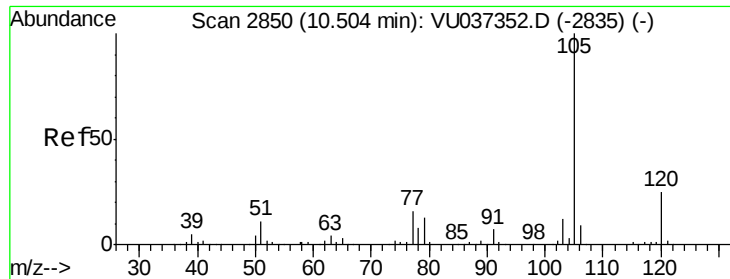
#55
Styrene
Concen: 4.880 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037352.D
Acq: 20 Mar 2020 17:42

Tgt Ion:104 Resp: 152982
Ion Ratio Lower Upper
104 100
78 49.4 34.6 64.2



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





#56

Isopropylbenzene

Concen: 4.728 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Instrument :

MSVOA_U

ClientSampleId :

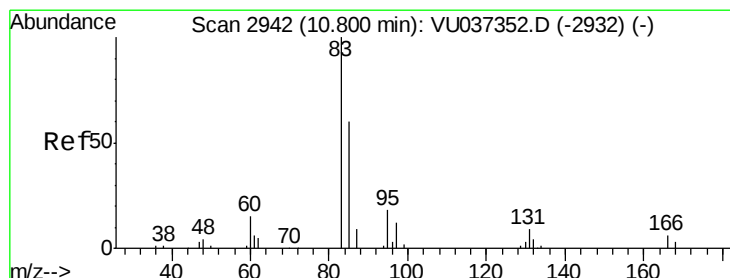
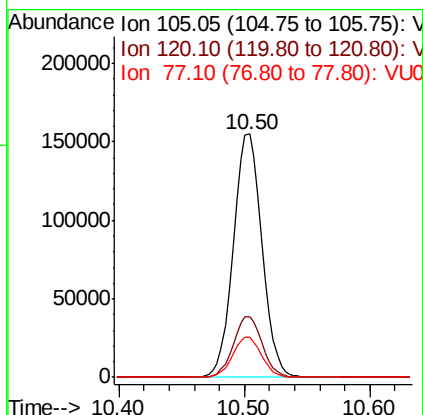
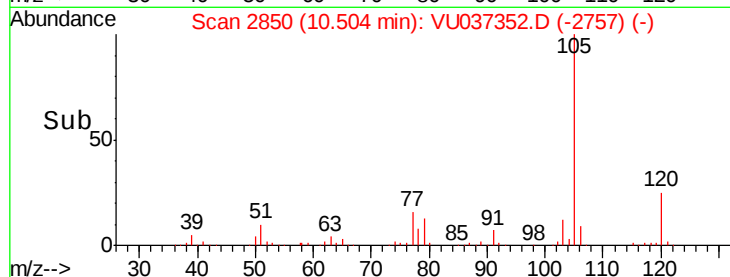
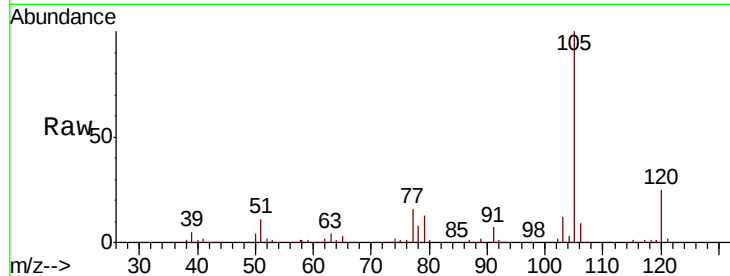
Tot Ion:105 Resp: 245058

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

77 16.7 13.4 20.0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.497 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

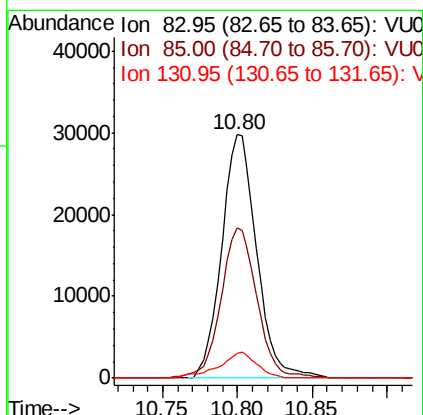
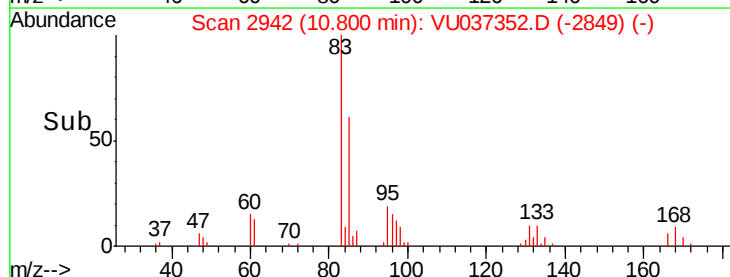
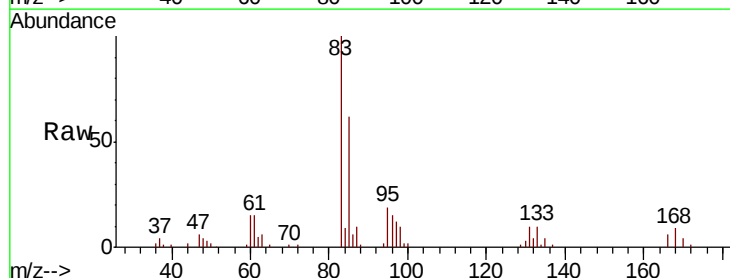
Tgt Ion: 83 Resp: 48483

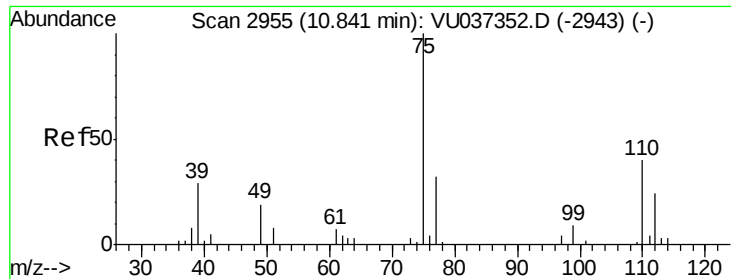
Ion Ratio Lower Upper

83 100

85 61.6 43.1 80.1

131 10.4 8.3 12.5

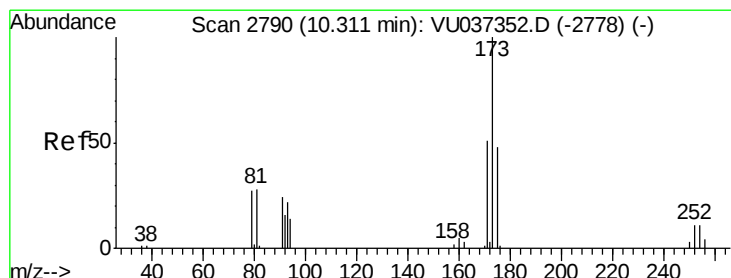
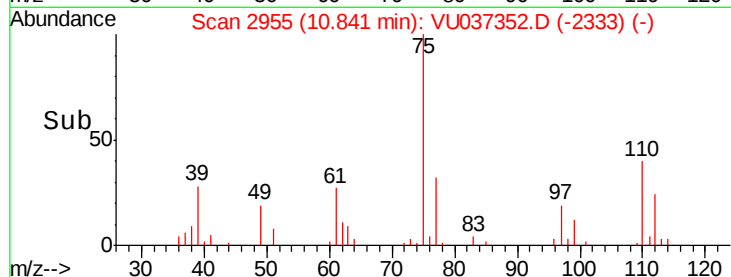
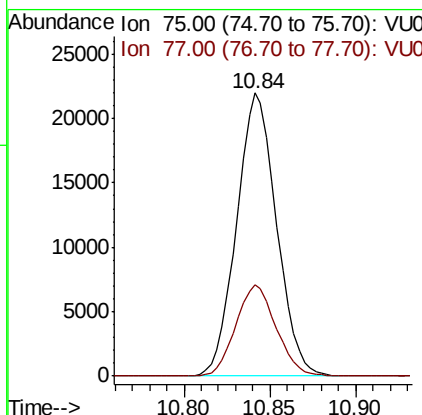
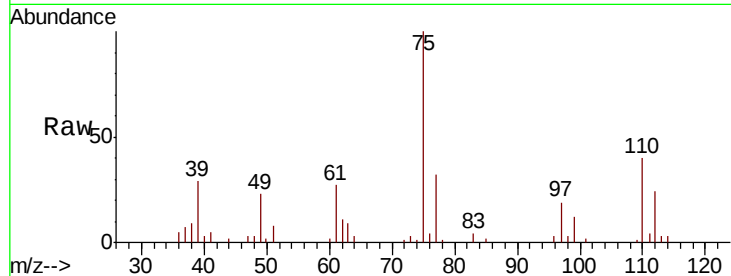




#59
 1,2,3-Trichloropropane
 Concen: 4.406 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

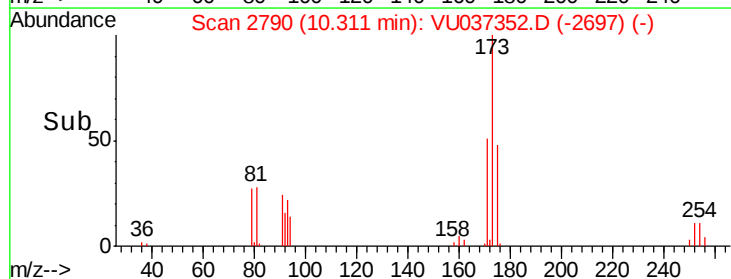
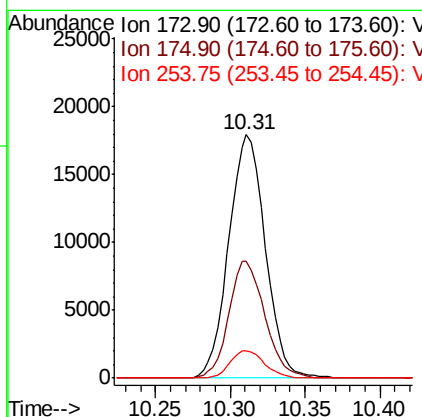
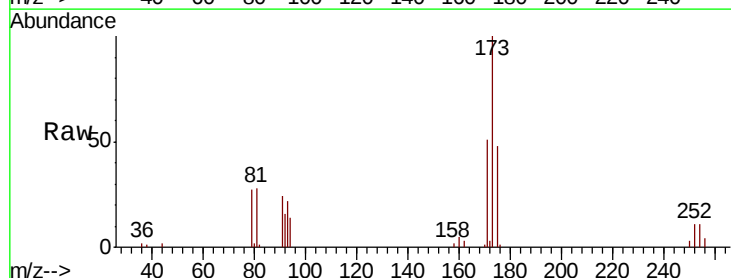
Instrument :
 MSVOA_U
 ClientSampleId :

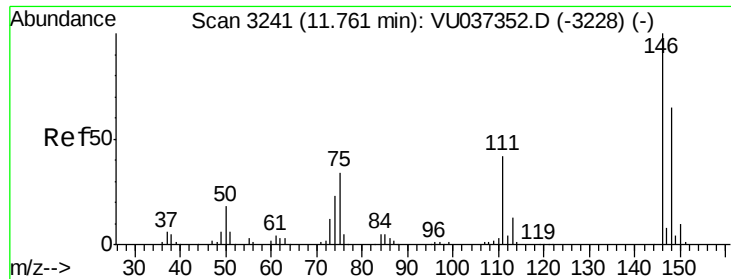
Tot Ion: 75 Resp: 35297
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.0 39.0



#61
 Bromoform
 Concen: 4.551 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

Tgt Ion: 173 Resp: 30533
 Ion Ratio Lower Upper
 173 100
 175 47.2 37.8 56.6
 254 10.5 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 4.508 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Instrument :

MSVOA_U

ClientSampleId :

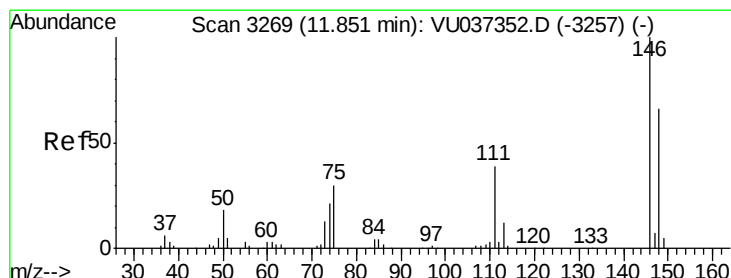
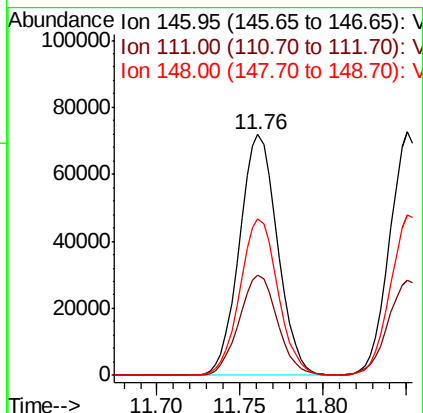
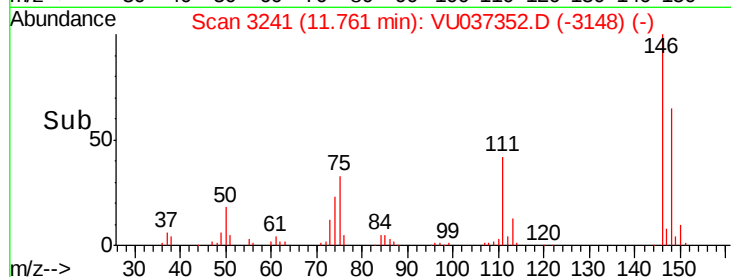
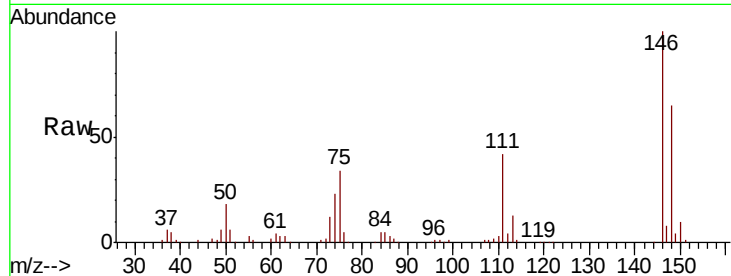
Tot Ion:146 Resp: 114747

Ion Ratio Lower Upper

146 100

111 41.7 29.2 54.2

148 64.9 45.4 84.4



#63

1,4-Dichlorobenzene

Concen: 4.467 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

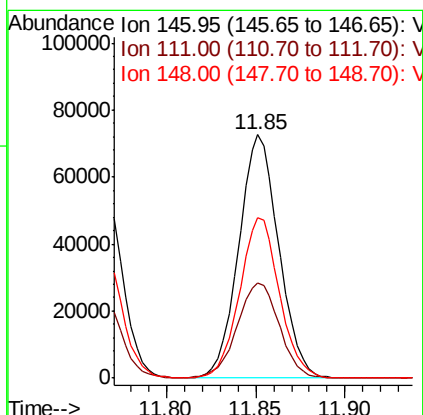
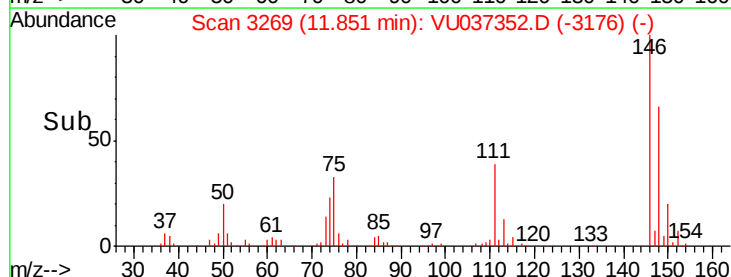
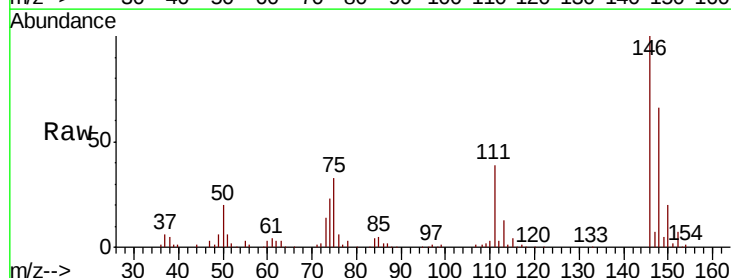
Tgt Ion:146 Resp: 113632

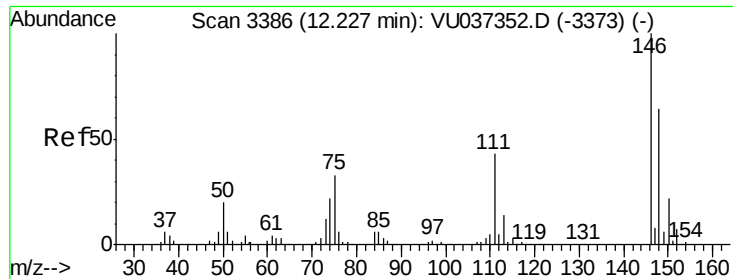
Ion Ratio Lower Upper

146 100

111 39.2 27.4 51.0

148 66.1 46.3 85.9

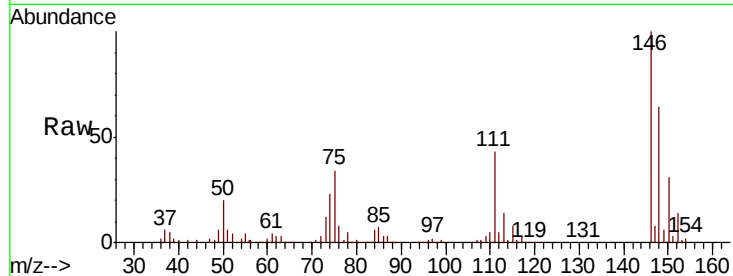




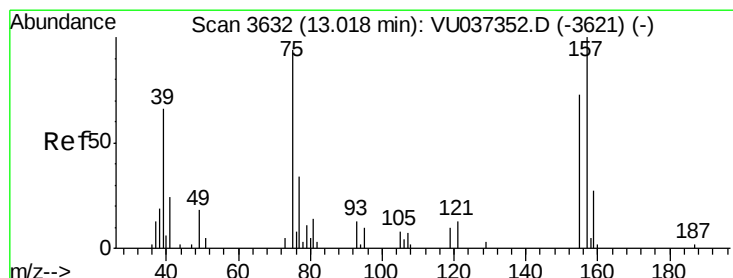
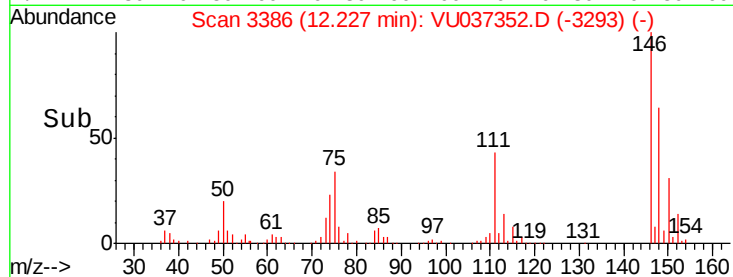
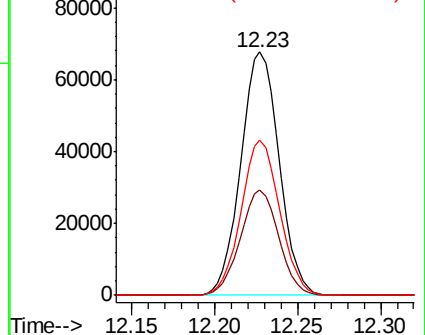
#65
 1,2-Dichlorobenzene
 Concen: 4.399 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 108895
 Ion Ratio Lower Upper
 146 100
 111 43.4 34.7 52.1
 148 63.9 51.1 76.7

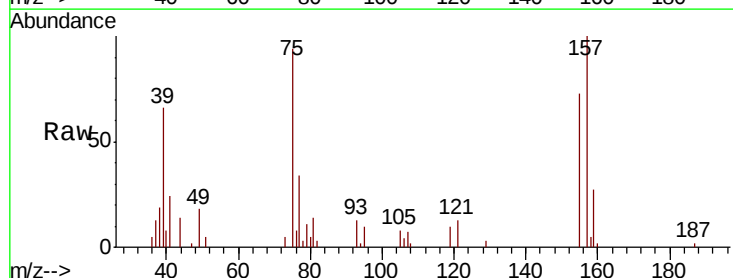


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

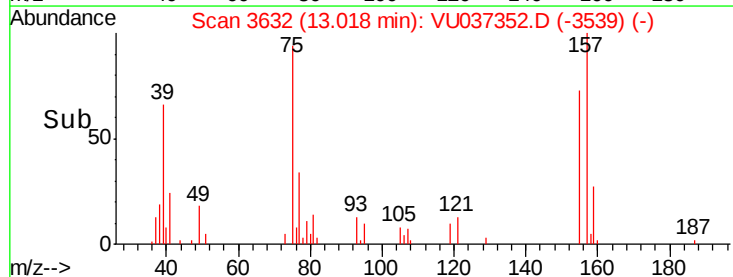
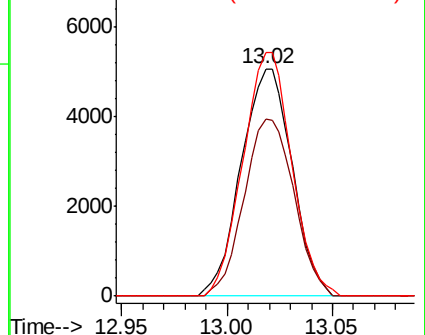


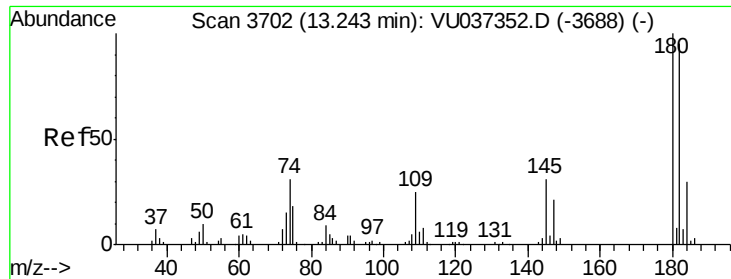
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.407 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

Tgt Ion: 75 Resp: 8504
 Ion Ratio Lower Upper
 75 100
 155 77.8 62.2 93.4
 157 106.8 85.4 128.2



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

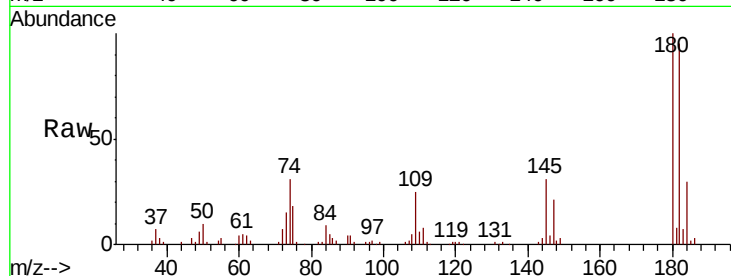




#67
 1,3,5-Trichlorobenzene
 Concen: 4.425 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	85740
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
184	30.8	24.6	37.0
145	31.3	25.0	37.6



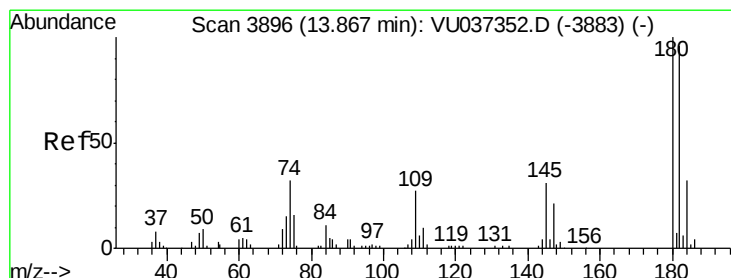
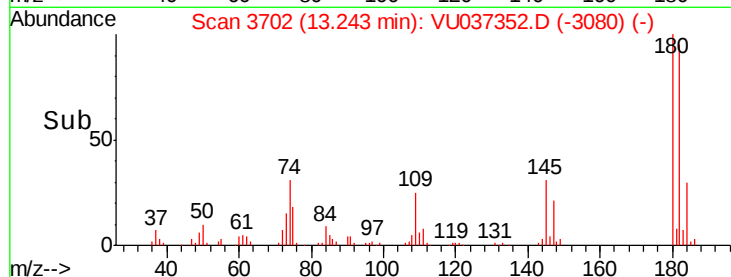
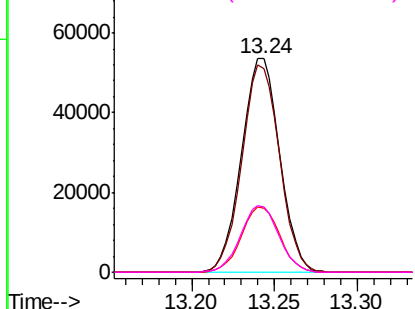
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

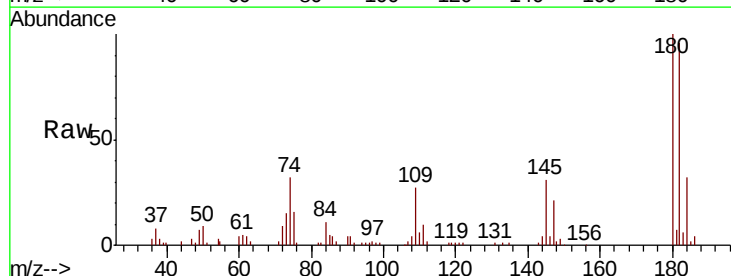
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.858 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU037352.D
 Acq: 20 Mar 2020 17:42

Tgt Ion:	180	Resp:	66105
Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
145	31.6	25.3	37.9

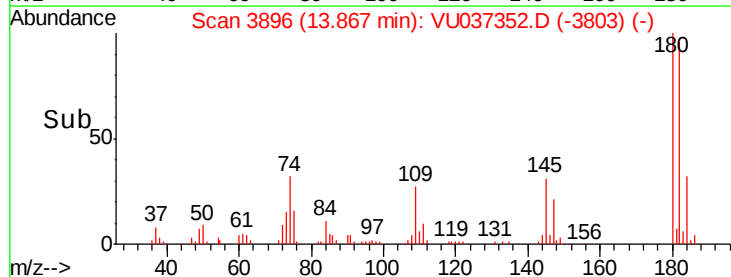
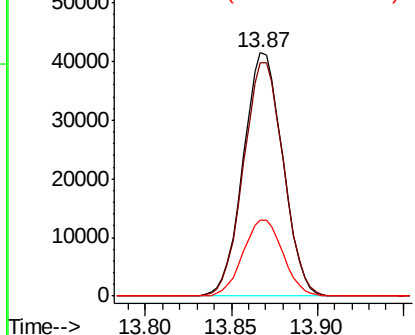


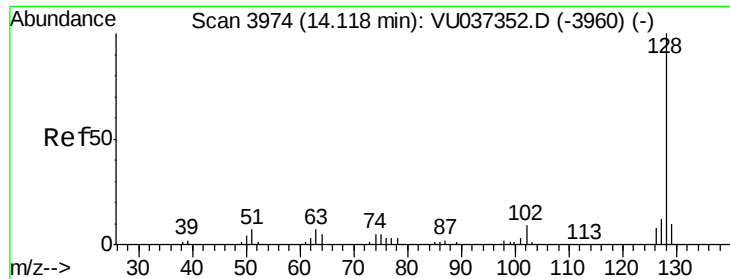
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.649 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

Instrument :

MSVOA_U

ClientSampleId :

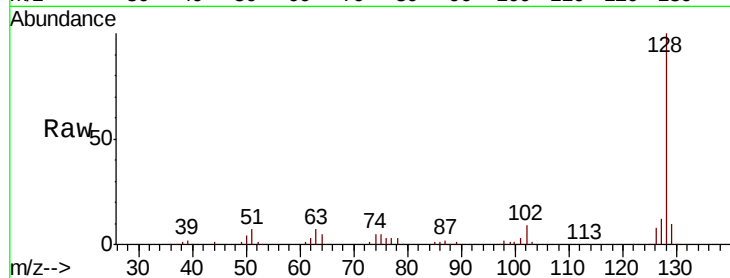
Tot Ion:128 Resp: 90794

Ion Ratio Lower Upper

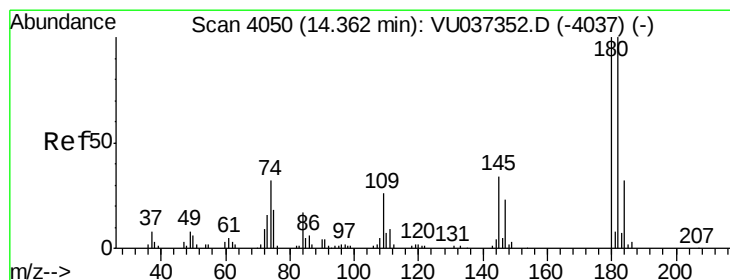
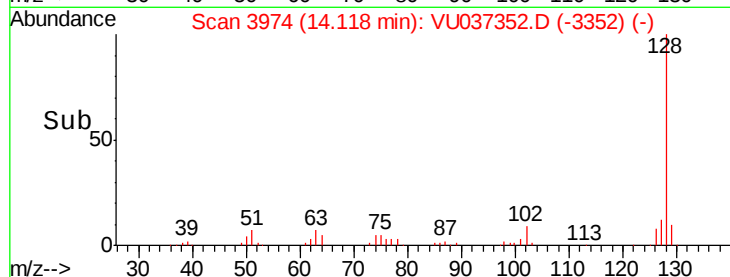
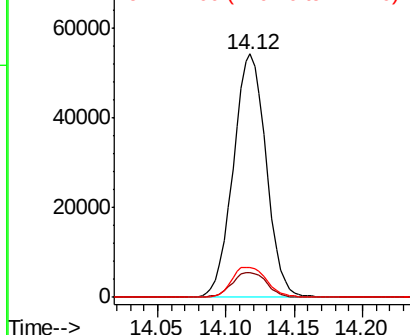
128 100

129 10.7 8.6 12.8

127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.633 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037352.D

Acq: 20 Mar 2020 17:42

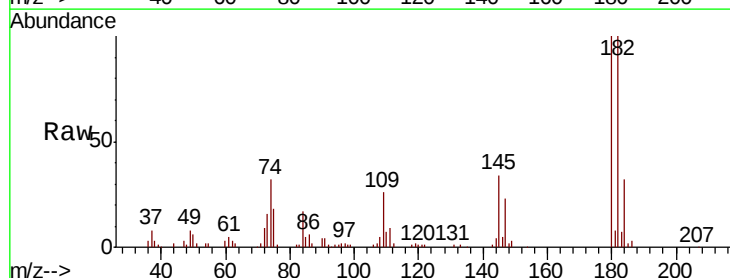
Tgt Ion:180 Resp: 60957

Ion Ratio Lower Upper

180 100

182 99.5 79.6 119.4

145 33.8 27.0 40.6



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

