

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032020\
 Data File : VU037350.D
 Acq On : 20 Mar 2020 16:52
 Operator : JC/MD
 Sample : VSTD0.501
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 21 00:04:59 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	138929	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	139334	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	64856	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	4604	0.60	ug/L	0.00
7) Chloroethane-d5	1.93	69	3781	0.56	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	9800	0.60	ug/L	0.00
20) 2-Butanone-d5	4.69	46	10725	4.93	ug/L	0.00
24) Chloroform-d	5.10	84	9677	0.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	5893	0.59	ug/L	0.00
32) Benzene-d6	5.76	84	17416	0.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	5454	0.55	ug/L	0.00
41) Toluene-d8	7.93	98	16925	0.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	2325	0.52	ug/L	0.00
46) 2-Hexanone-d5	8.66	63	7523	3.96	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	4590	0.55	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	6537	0.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	8311	0.528 ug/L	97
3) Chloromethane	1.53	50	8676	0.550 ug/L	95
5) Vinyl chloride	1.62	62	6873	0.489 ug/L	86
6) Bromomethane	1.87	94	2858	0.420 ug/L	90
8) Chloroethane	1.95	64	3859	0.476 ug/L	96
9) Trichlorofluoromethane	2.16	101	11095	0.524 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	5050	0.515 ug/L	94
12) 1,1-Dichloroethene	2.60	96	4768	0.537 ug/L	93
13) Acetone	2.68	43	8223	4.643 ug/L	94
14) Carbon disulfide	2.82	76	16513	0.567 ug/L	97
15) Methyl Acetate	3.00	43	2150	0.521 ug/L #	79
16) Methylene chloride	3.08	84	5603	0.527 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	12434	0.496 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	4927	0.511 ug/L	87
19) 1,1-Dichloroethane	3.91	63	9781	0.512 ug/L	94
21) 2-Butanone	4.76	43	13233	4.640 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	5389	0.510 ug/L	85
23) Bromochloromethane	5.01	128	2426	0.508 ug/L	83
25) Chloroform	5.12	83	11456	0.549 ug/L	96
27) 1,2-Dichloroethane	5.83	62	7273	0.499 ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	9778	0.519 ug/L	99
30) Cyclohexane	5.43	56	7618	0.454 ug/L	97
31) Carbon tetrachloride	5.56	117	7969	0.480 ug/L	96
33) Benzene	5.81	78	20321	0.492 ug/L	100
34) Trichloroethene	6.57	95	5870	0.522 ug/L	95
35) Methylcyclohexane	6.79	83	7793	0.460 ug/L	98
37) 1,2-Dichloropropane	6.82	63	5379	0.494 ug/L	99
38) Bromodichloromethane	7.14	83	7351	0.480 ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	7491	0.457 ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	32210	4.472 ug/L	95

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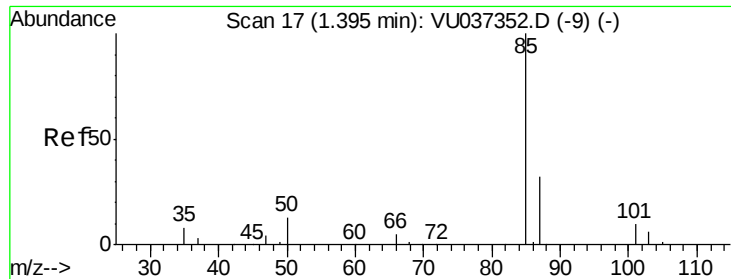
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 21 00:04:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032020WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	8.00	91	20751	0.465	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	6783	0.486	ug/L	88
45) 1,1,2-Trichloroethane	8.43	97	3846	0.491	ug/L	95
47) Tetrachloroethene	8.58	164	4665	0.532	ug/L	90
48) 2-Hexanone	8.72	43	21595	4.066	ug/L	98
49) Dibromochloromethane	8.84	129	5078	0.499	ug/L	96
50) 1,2-Dibromoethane	8.95	107	3733	0.487	ug/L #	98
51) Chlorobenzene	9.47	112	14654	0.509	ug/L	98
52) Ethylbenzene	9.59	91	23496	0.466	ug/L	100
53) m,p-Xylene	9.71	106	7620	0.410	ug/L	89
54) o-Xylene	10.12	106	7867	0.445	ug/L	93
55) Styrene	10.13	104	12754	0.426	ug/L	97
56) Isopropylbenzene	10.50	105	21795	0.440	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	4580	0.445	ug/L #	97
59) 1,2,3-Trichloropropane	10.84	75	3444	0.450	ug/L	95
61) Bromoform	10.31	173	2965	0.523	ug/L #	97
62) 1,3-Dichlorobenzene	11.76	146	11052	0.514	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	11425	0.532	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	11012	0.526	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	715	0.438	ug/L	89
67) 1,3,5-Trichlorobenzene	13.24	180	8181	0.500	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	4646	0.404	ug/L	87
69) Naphthalene	14.12	128	5299	0.321	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	4743	0.427	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.528 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

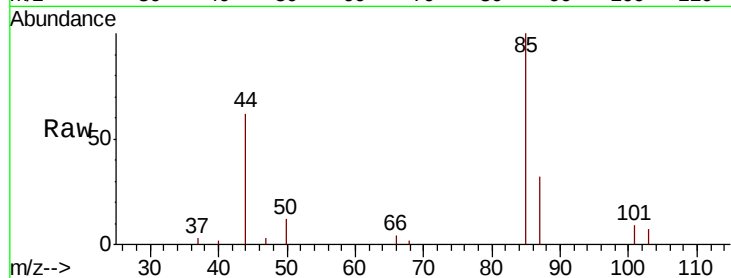
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 8311

Ion Ratio Lower Upper

85 100

87 30.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU037350.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037350.D (-9) (-)

1.39

8000

6000

4000

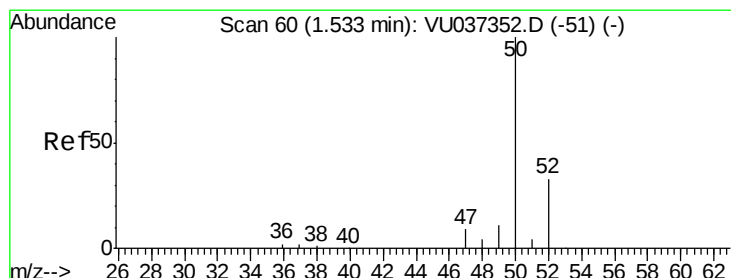
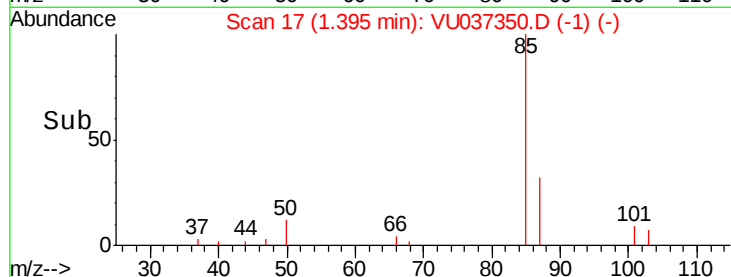
2000

0

Time-->

1.35

1.40



#3

Chloromethane

Concen: 0.550 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037350.D

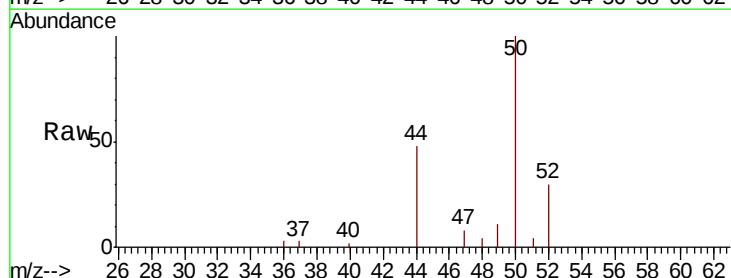
Acq: 20 Mar 2020 16:52

Tgt Ion: 50 Resp: 8676

Ion Ratio Lower Upper

50 100

52 29.7 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU037350.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037350.D (-51) (-)

1.53

8000

6000

4000

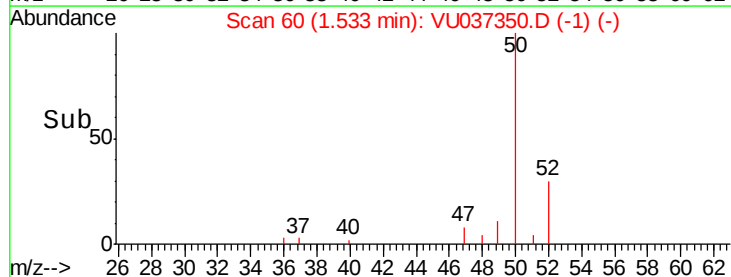
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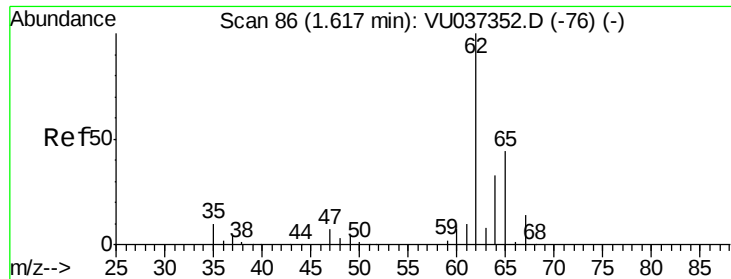
0

Time-->

1.50

1.55





#5

Vinyl chloride

Concen: 0.489 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Instrument :

MSVOA_U

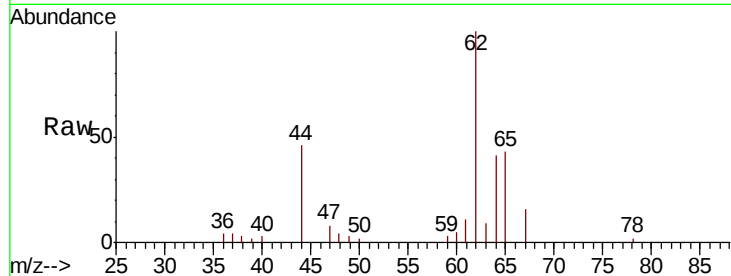
ClientSampleId :

Tot Ion: 62 Resp: 6873

Ion Ratio Lower Upper

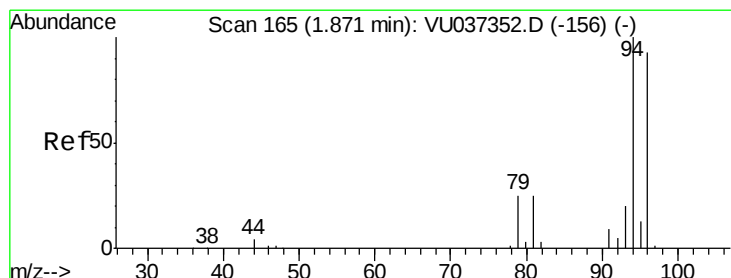
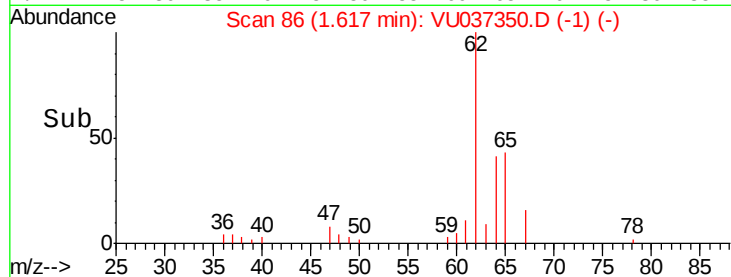
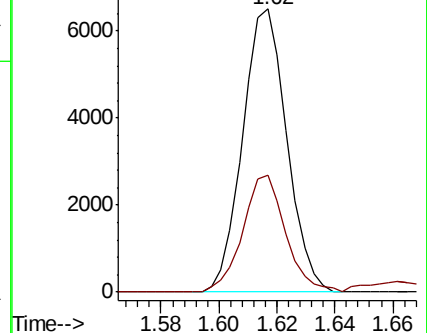
62 100

64 41.1 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU037350.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU037350.D (-1) (-)



#6

Bromomethane

Concen: 0.420 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037350.D

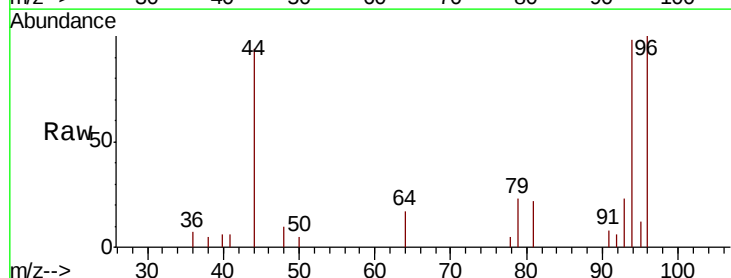
Acq: 20 Mar 2020 16:52

Tgt Ion: 94 Resp: 2858

Ion Ratio Lower Upper

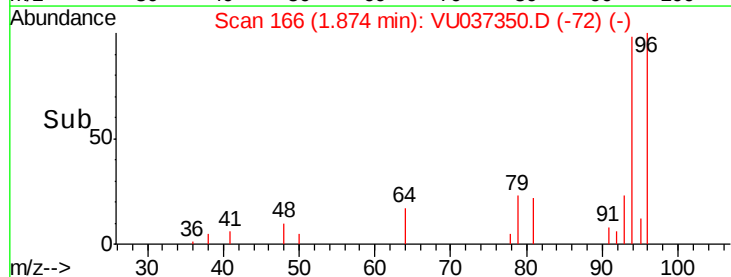
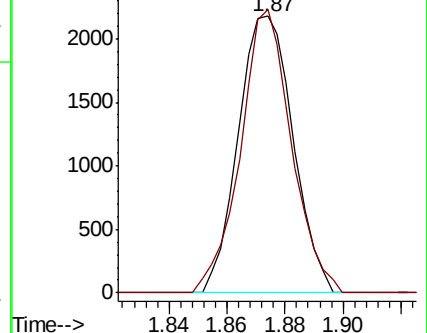
94 100

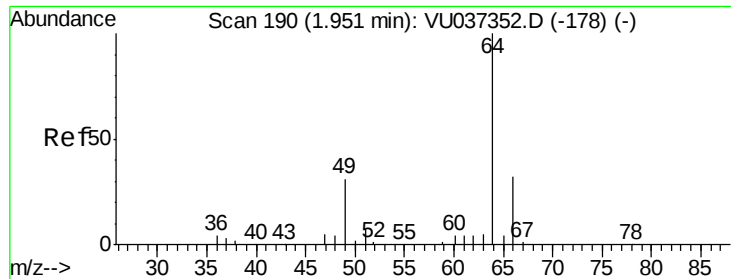
96 102.2 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU037350.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU037350.D (-72) (-)

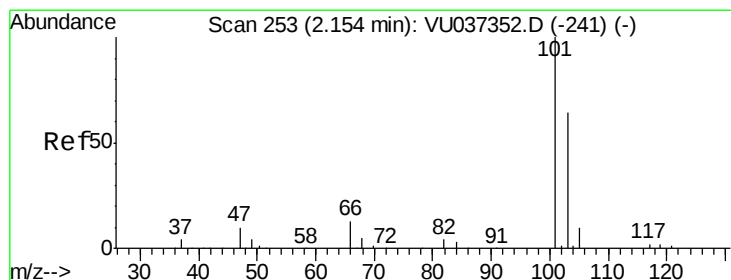
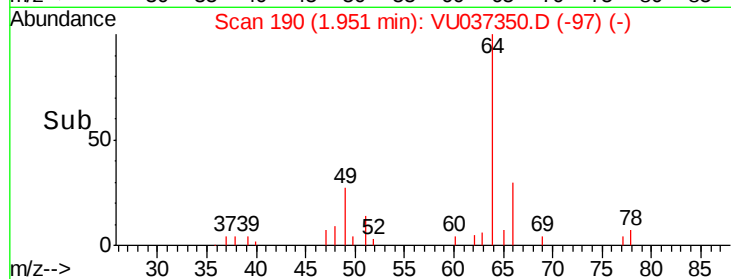
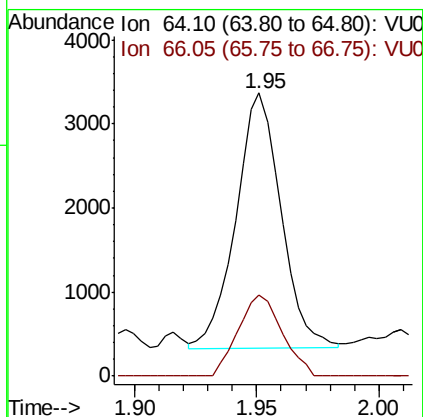
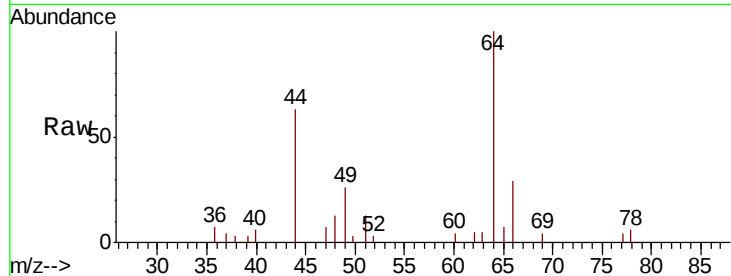




#8
Chloroethane
Concen: 0.476 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037350.D
Acq: 20 Mar 2020 16:52

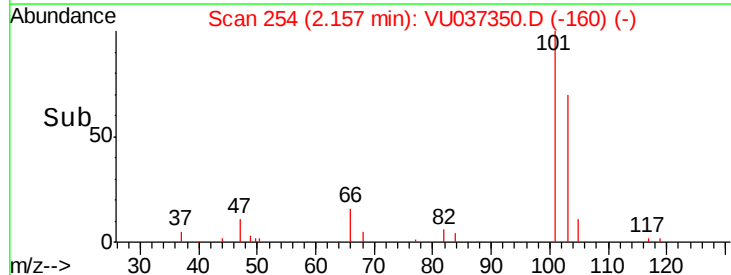
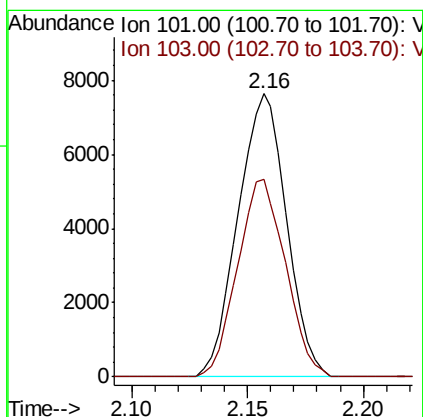
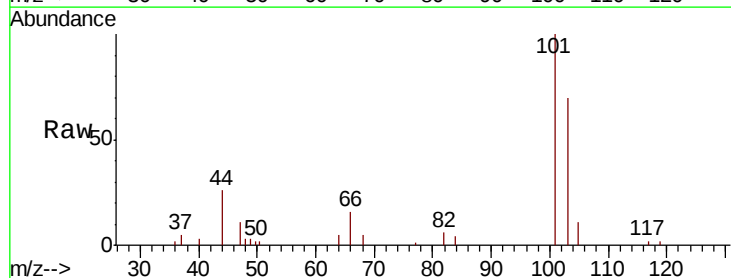
Instrument :
MSVOA_U
ClientSampleId :

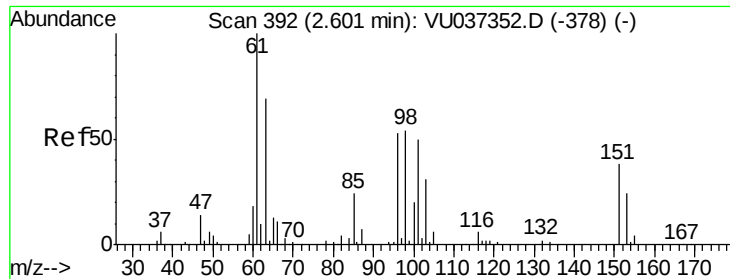
Tot Ion: 64 Resp: 3859
Ion Ratio Lower Upper
64 100
66 28.8 21.8 40.6



#9
Trichlorofluoromethane
Concen: 0.524 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037350.D
Acq: 20 Mar 2020 16:52

Tgt Ion:101 Resp: 11095
Ion Ratio Lower Upper
101 100
103 68.9 51.4 77.2





#10

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

Concen: 0.515 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Instrument :

MSVOA_U

ClientSampled :

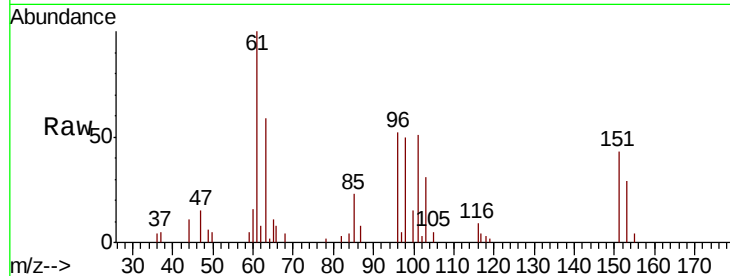
Tot Ion:101 Resp: 5050

Ion Ratio Lower Upper

101 100

85 46.0 39.0 58.4

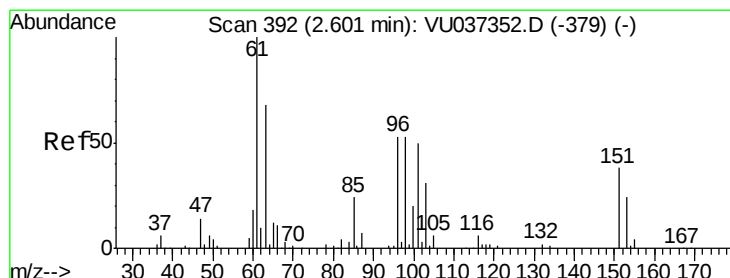
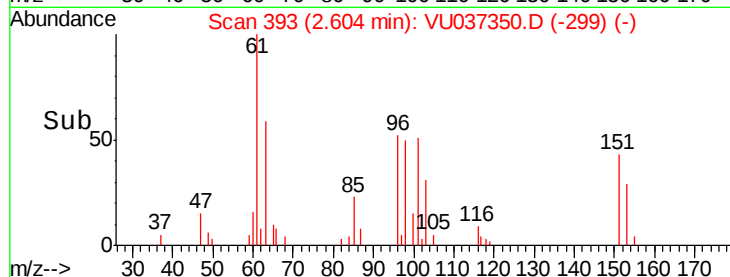
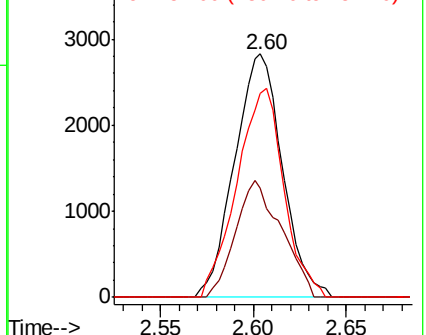
151 84.1 62.2 93.2



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: 0.537 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

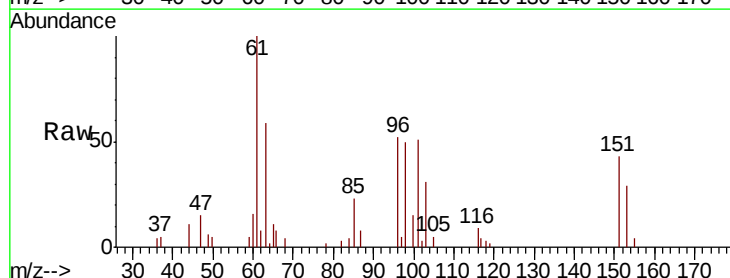
Tgt Ion: 96 Resp: 4768

Ion Ratio Lower Upper

96 100

61 192.0 131.7 244.5

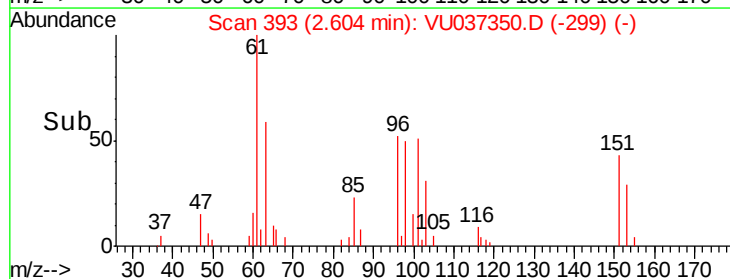
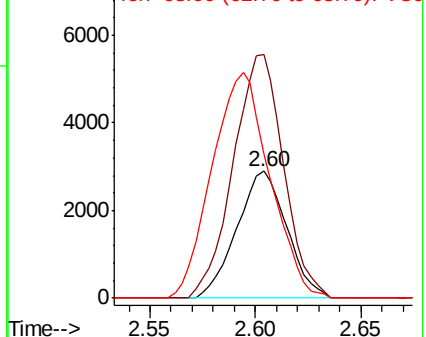
63 113.9 91.4 169.8

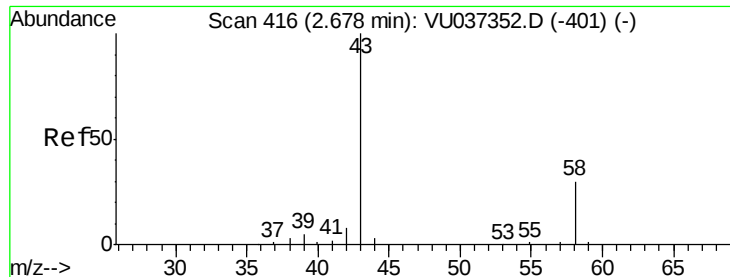


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.643 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

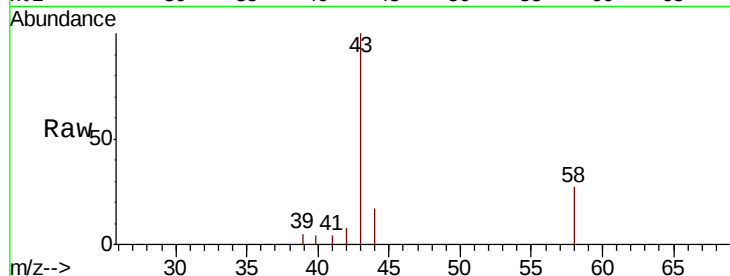
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 8223

Ion Ratio Lower Upper

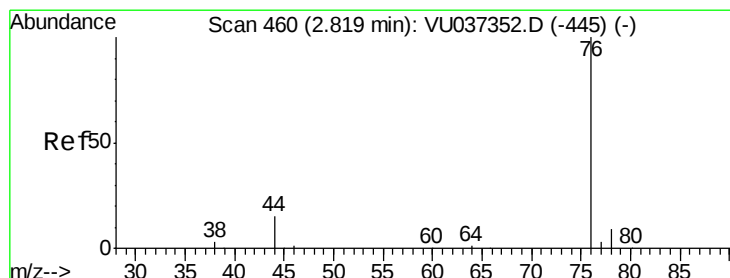
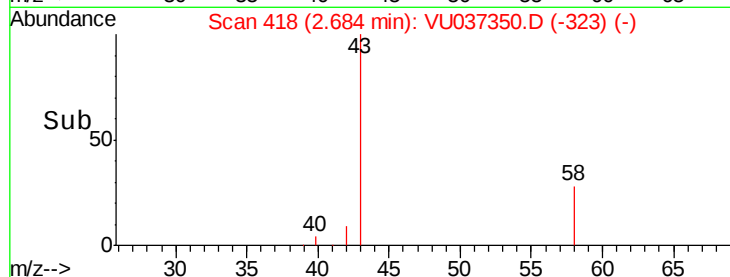
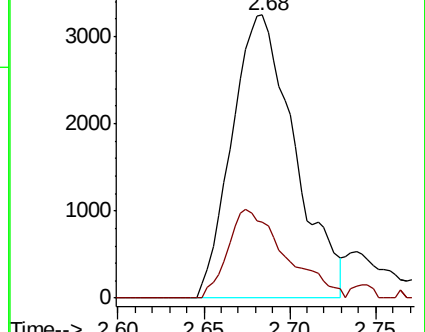
43 100

58 29.0 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VU037350.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU037350.D (-323) (-)



#14

Carbon disulfide

Concen: 0.567 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU037350.D

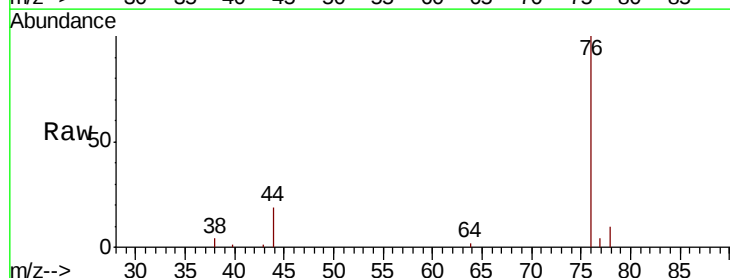
Acq: 20 Mar 2020 16:52

Tgt Ion: 76 Resp: 16513

Ion Ratio Lower Upper

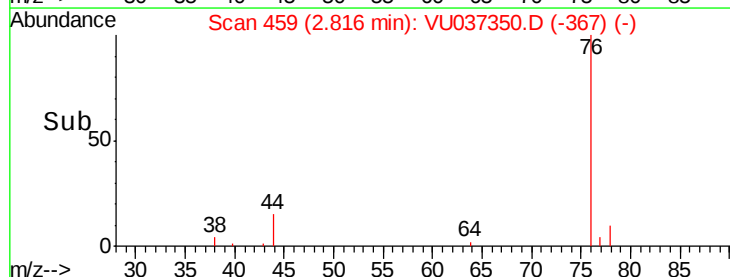
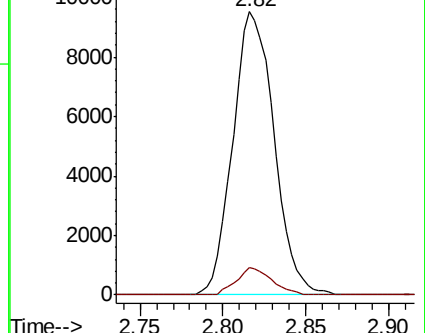
76 100

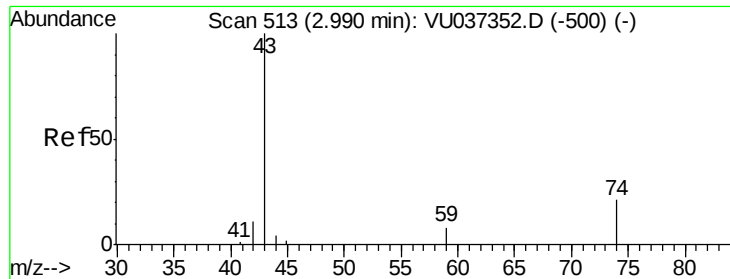
78 9.6 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU037350.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037350.D (-367) (-)





#15

Methyl Acetate

Concen: 0.521 ug/L

RT: 3.00 min Scan# 515

Delta R.T. 0.01 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Instrument :

MSVOA_U

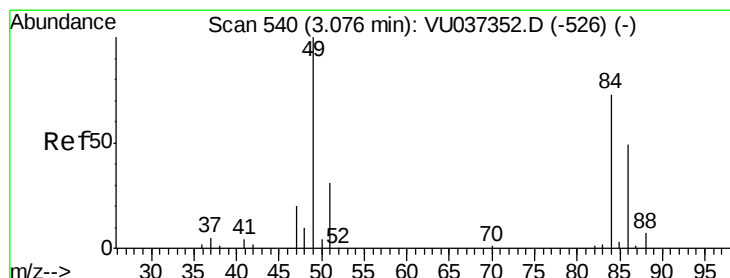
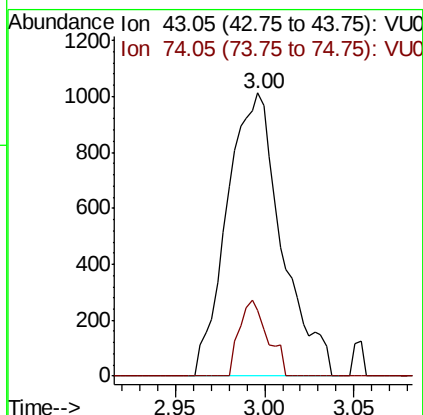
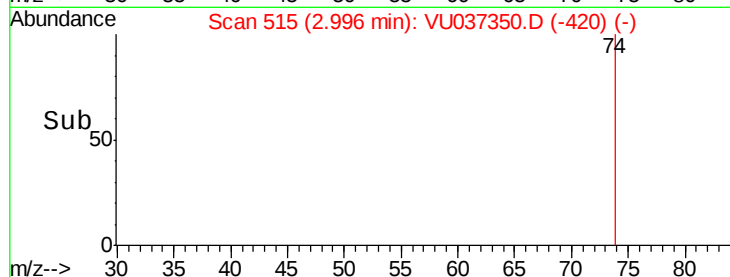
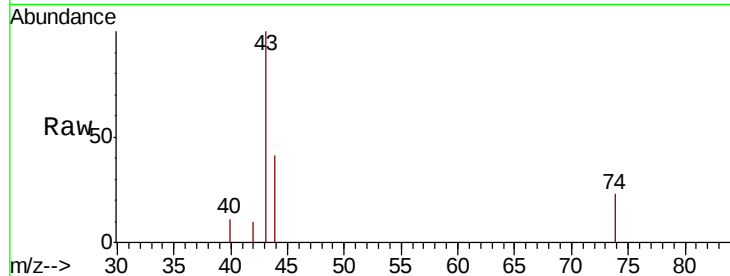
ClientSampled :

Tot Ion: 43 Resp: 2150

Ion Ratio Lower Upper

43 100

74 14.0 19.5 29.3#



#16

Methylene chloride

Concen: 0.527 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

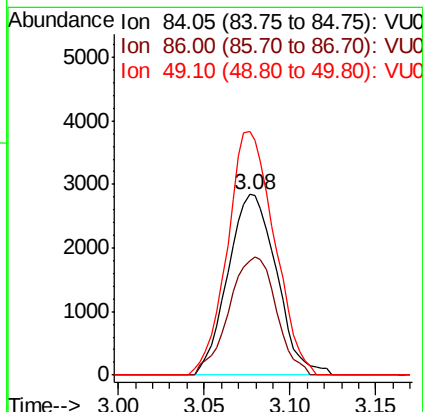
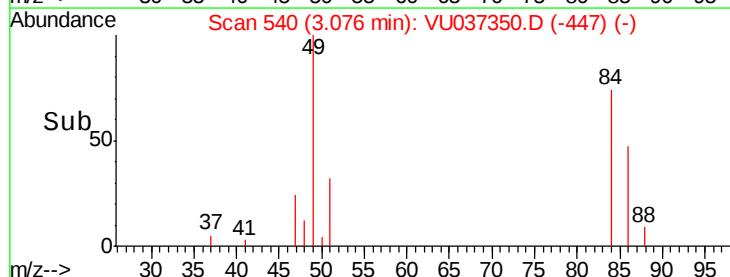
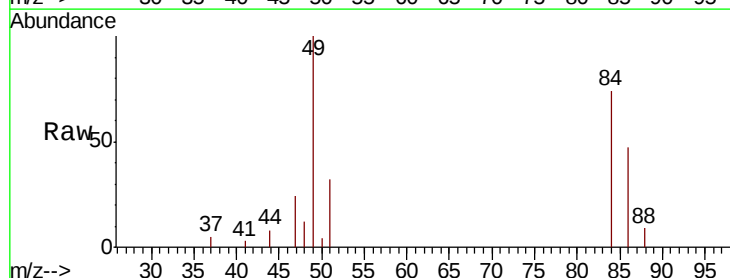
Tgt Ion: 84 Resp: 5603

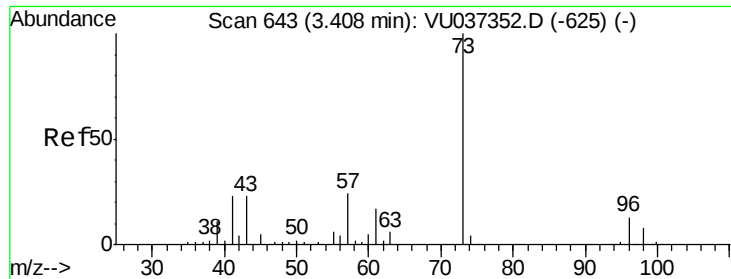
Ion Ratio Lower Upper

84 100

86 63.5 46.8 87.0

49 135.0 95.4 177.2

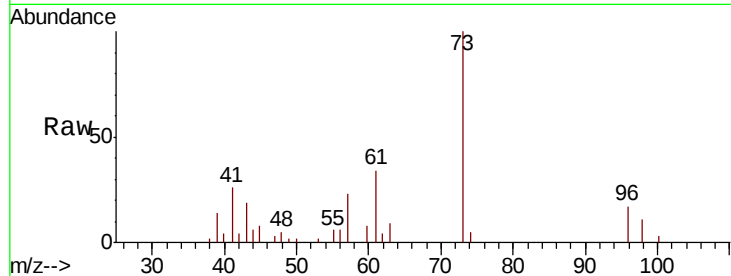




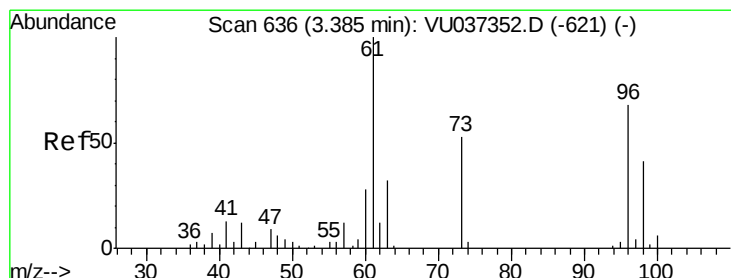
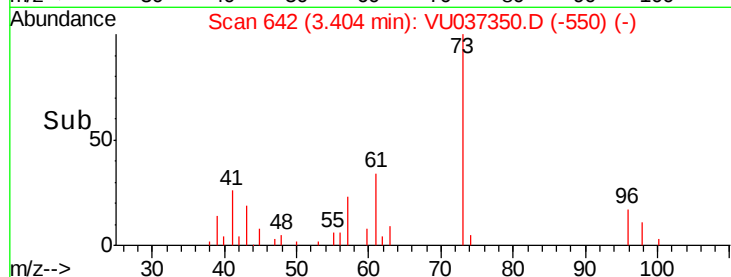
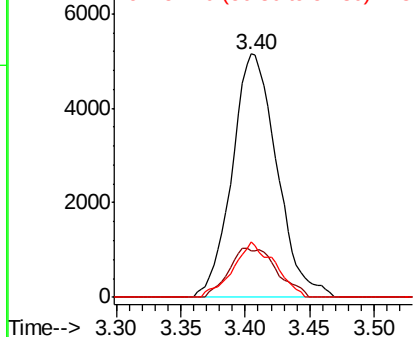
#17
Methvl tert-butvl Ether
Concen: 0.496 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU037350.D
Acq: 20 Mar 2020 16:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 12434
Ion Ratio Lower Upper
73 100
43 21.5 18.2 27.2
57 21.1 17.9 26.9

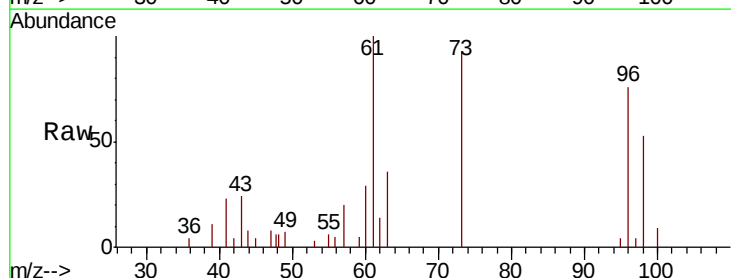


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

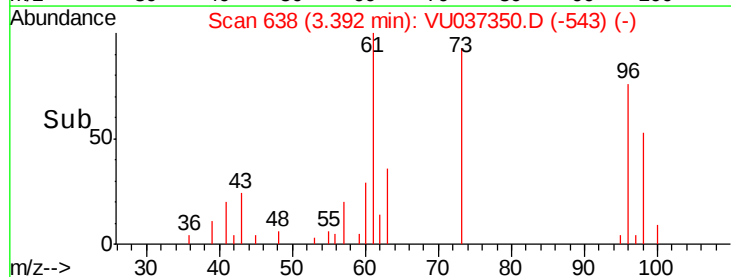
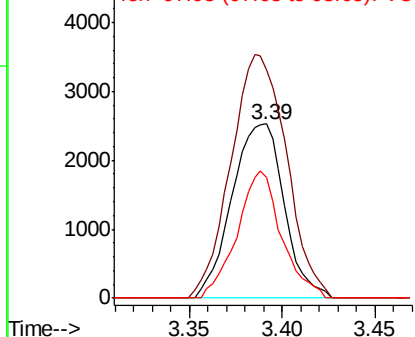


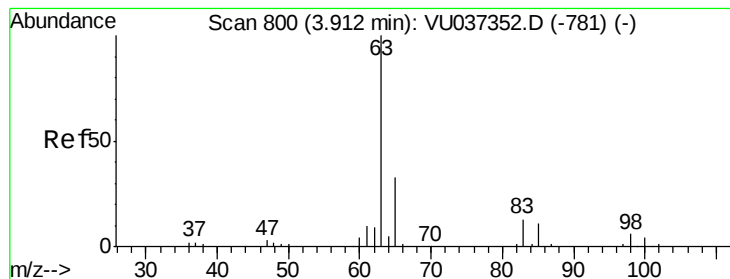
#18
trans-1,2-Dichloroethene
Concen: 0.511 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.01 min
Lab File: VU037350.D
Acq: 20 Mar 2020 16:52

Tgt Ion: 96 Resp: 4927
Ion Ratio Lower Upper
96 100
61 131.0 103.5 192.1
98 69.6 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: 0.512 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Instrument :
MSVOA_U
ClientSampled :

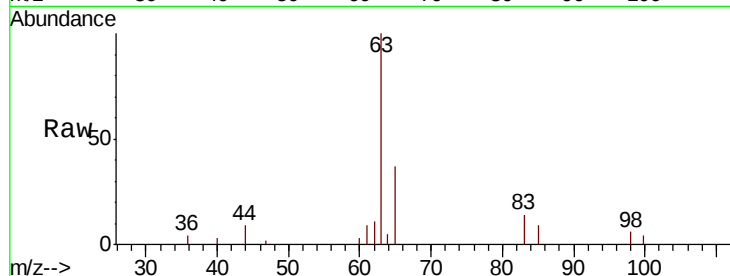
Tot Ion: 63 Resp: 9781

Ion Ratio Lower Upper

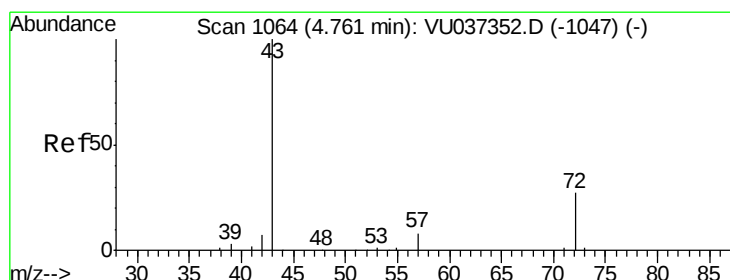
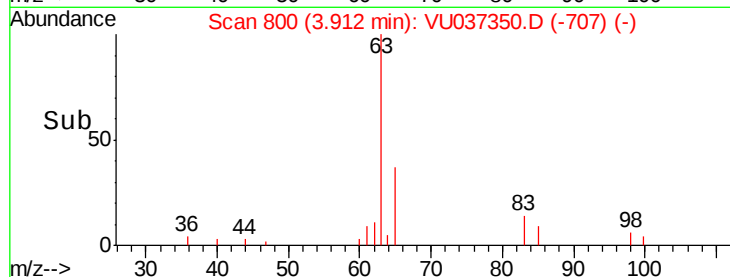
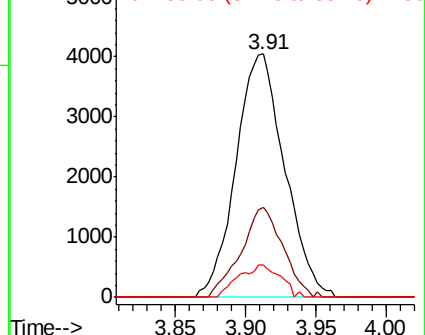
63 100

65 36.8 22.9 42.5

83 13.5 9.2 17.0



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 4.640 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VU037350.D

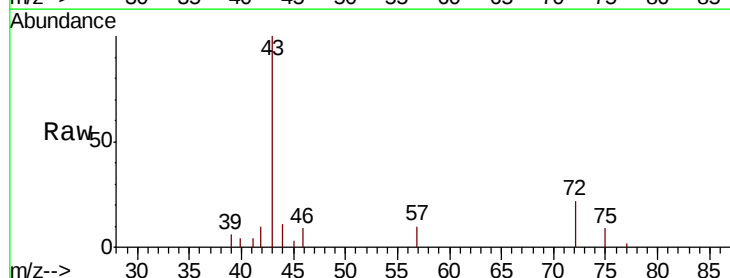
Acq: 20 Mar 2020 16:52

Tgt Ion: 43 Resp: 13233

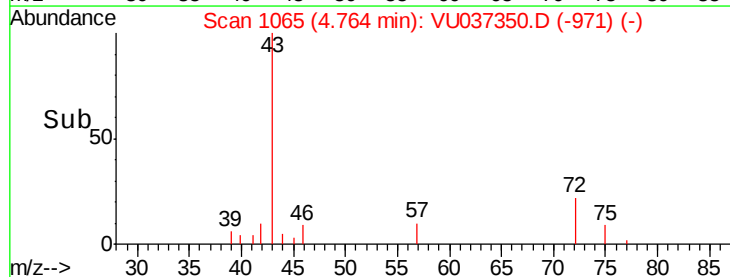
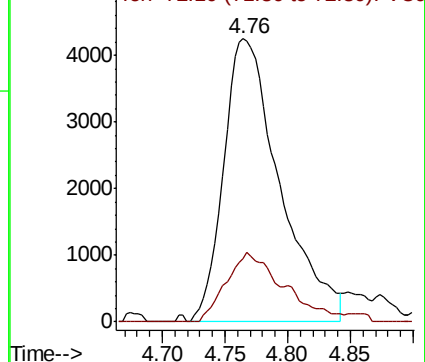
Ion Ratio Lower Upper

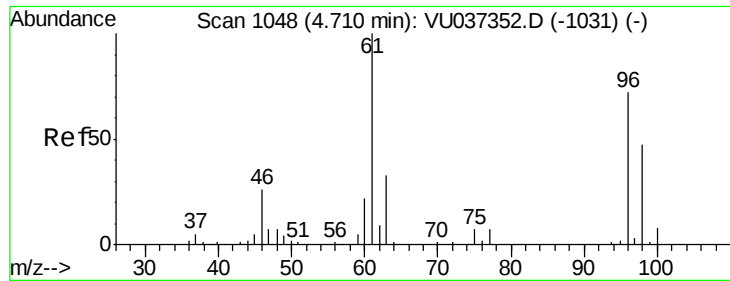
43 100

72 25.4 12.9 38.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.510 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Instrument :

MSVOA_U

ClientSampleId :

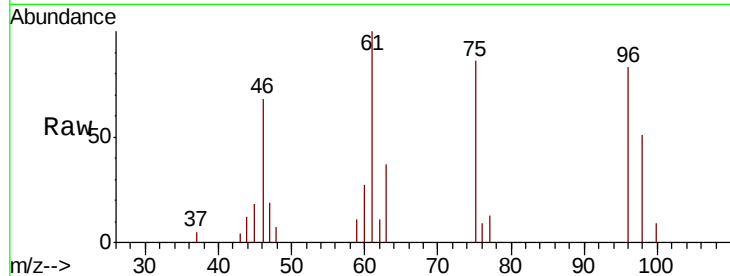
Tot Ion: 96 Resp: 5389

Ion Ratio Lower Upper

96 100

61 120.9 97.6 181.4

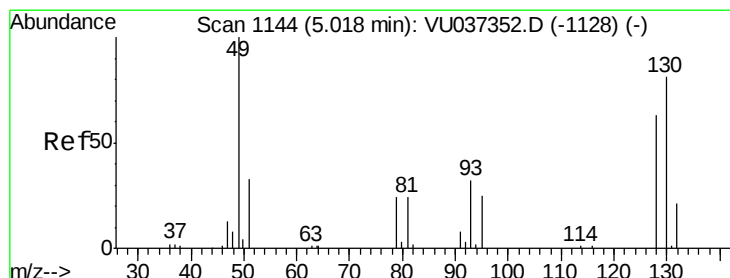
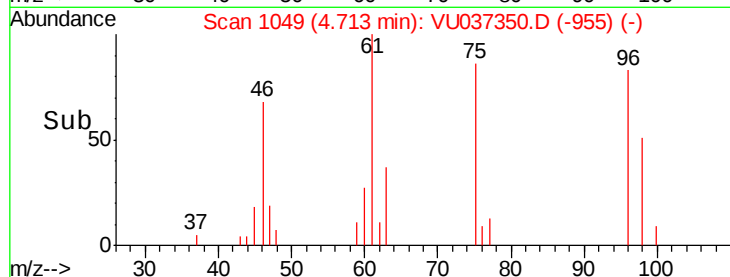
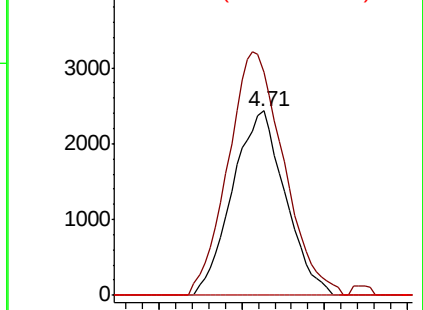
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037350.D (-1031) (-)

Ion 61.05 (60.75 to 61.75): VU037350.D (-1031) (-)

Ion 68.15 (67.85 to 68.85): VU037350.D (-1031) (-)



#23

Bromochloromethane

Concen: 0.508 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Tgt Ion:128 Resp: 2426

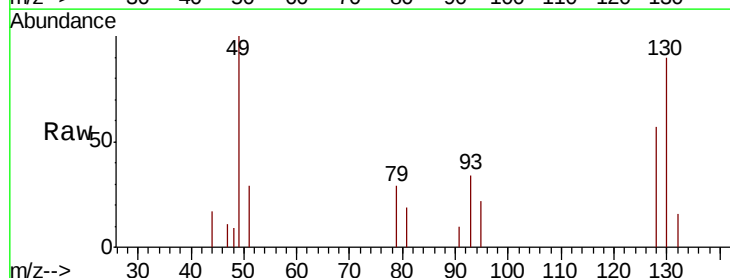
Ion Ratio Lower Upper

128 100

49 175.7 110.7 205.7

130 158.9 89.2 165.6

51 50.1 42.1 63.1

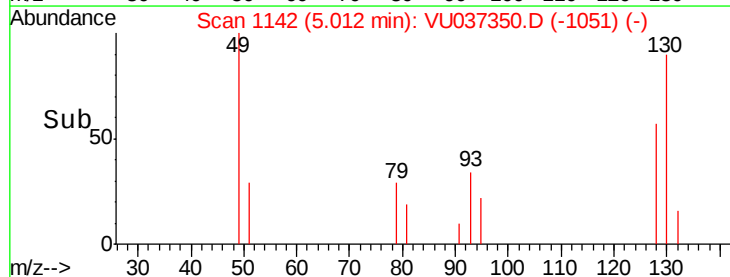
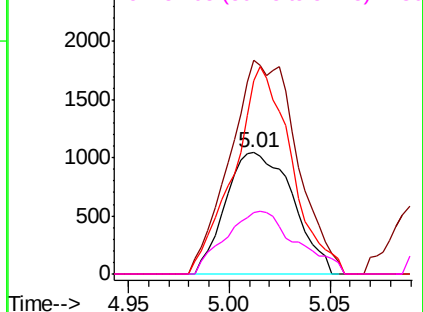


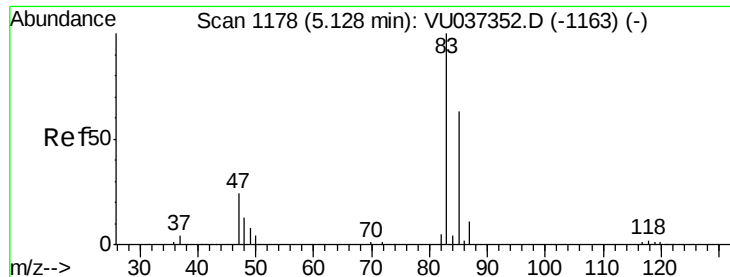
Abundance Ion 127.90 (127.60 to 128.60): VU037350.D (-1051) (-)

Ion 49.10 (48.80 to 49.80): VU037350.D (-1051) (-)

Ion 129.95 (129.65 to 130.65): VU037350.D (-1051) (-)

Ion 51.05 (50.75 to 51.75): VU037350.D (-1051) (-)

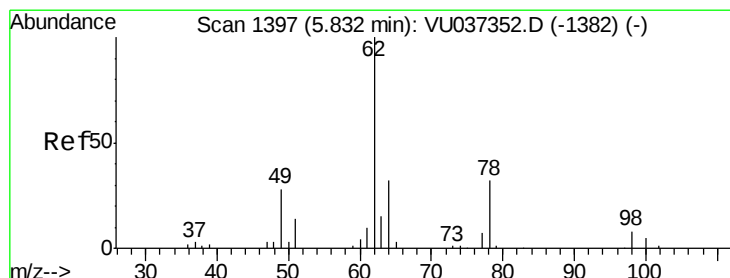
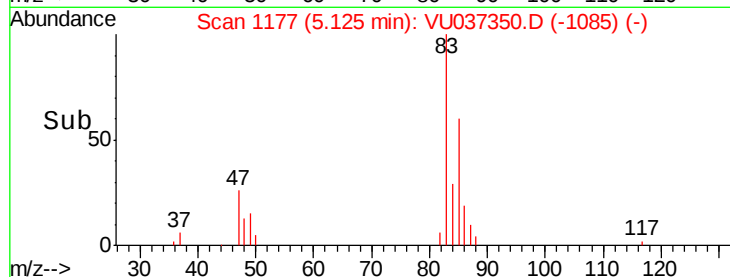
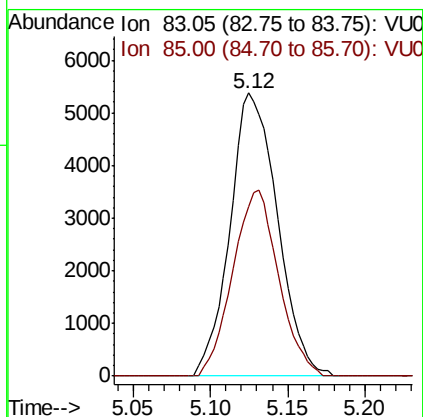
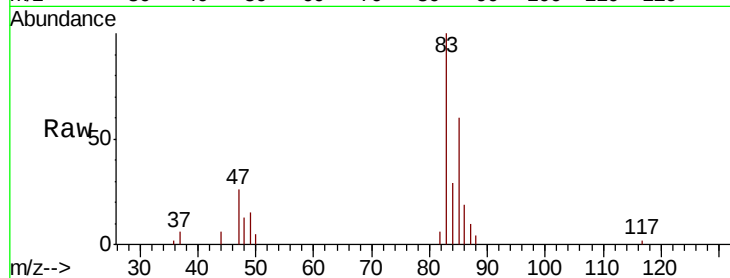




#25
Chloroform
Concen: 0.549 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037350.D
Acq: 20 Mar 2020 16:52

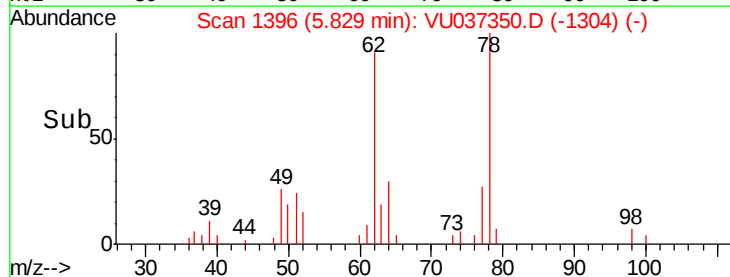
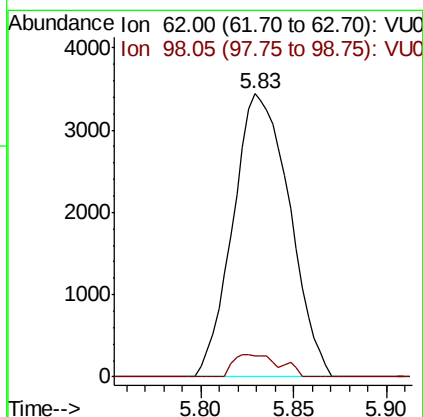
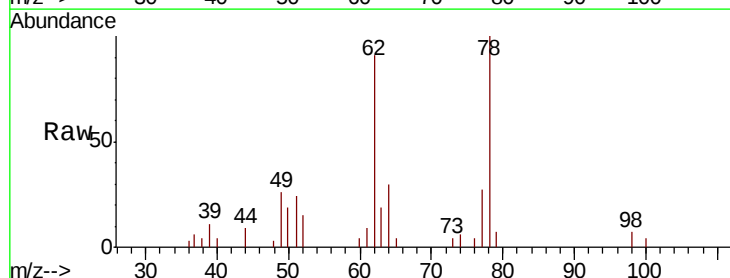
Instrument :
MSVOA_U
ClientSampled :

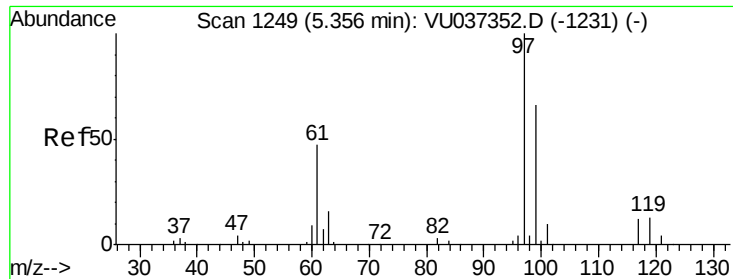
Tot Ion: 83 Resp: 11456
Ion Ratio Lower Upper
83 100
85 60.0 44.1 81.9



#27
1,2-Dichloroethane
Concen: 0.499 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037350.D
Acq: 20 Mar 2020 16:52

Tgt Ion: 62 Resp: 7273
Ion Ratio Lower Upper
62 100
98 7.2 6.4 9.6

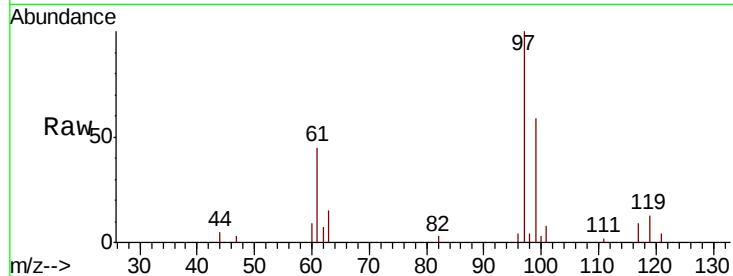




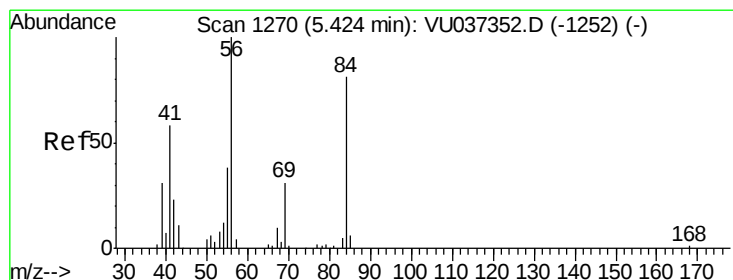
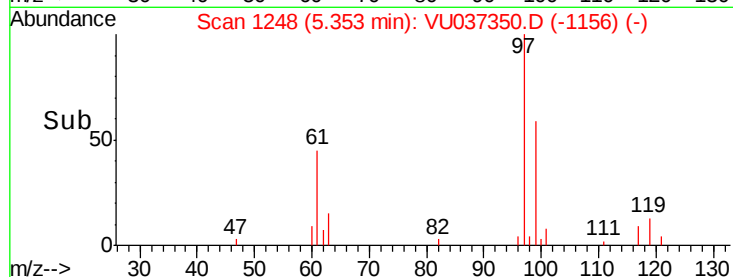
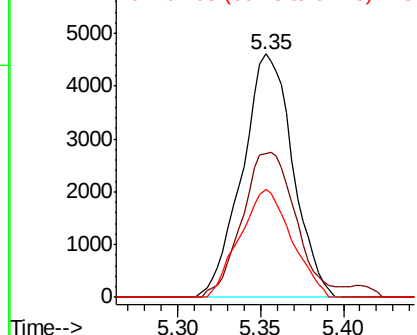
#29
 1,1,1-Trichloroethane
 Concen: 0.519 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 9778
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.7 77.5
 61 45.3 36.8 55.2

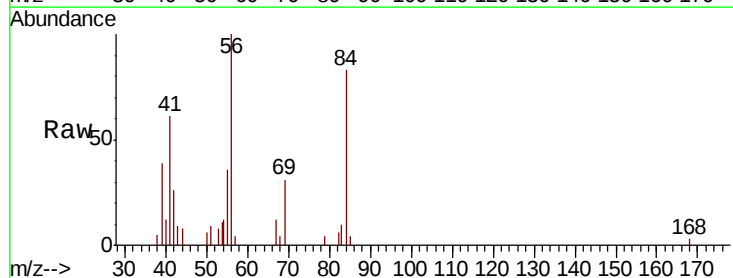


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

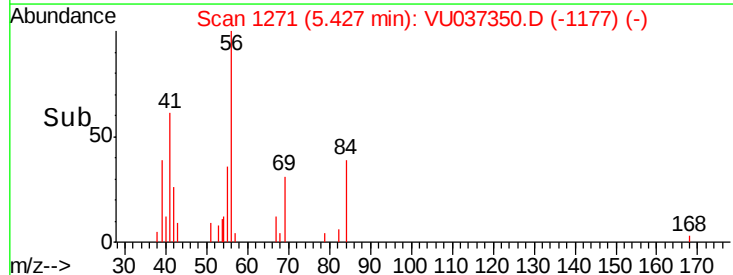
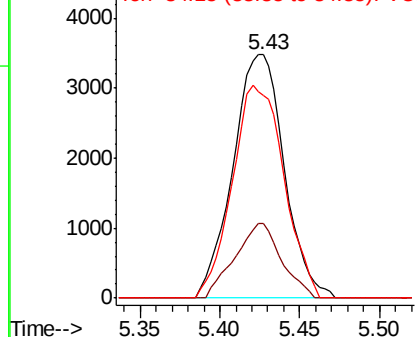


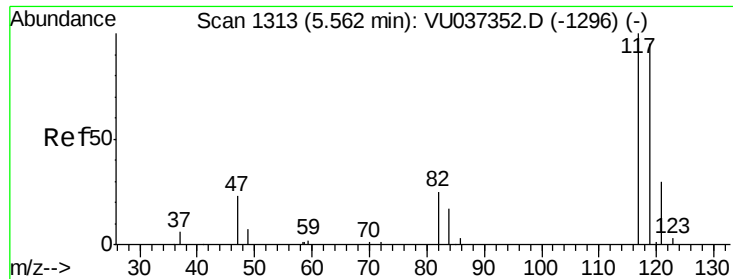
#30
 Cyclohexane
 Concen: 0.454 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

Tgt Ion: 56 Resp: 7618
 Ion Ratio Lower Upper
 56 100
 69 27.8 24.6 37.0
 84 88.0 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: 0.480 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Instrument :

MSVOA_U

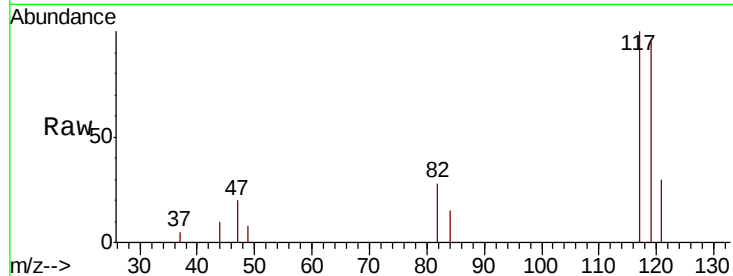
ClientSampleId :

Tot Ion:117 Resp: 7969

Ion Ratio Lower Upper

117 100

119 100.5 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

4000

3000

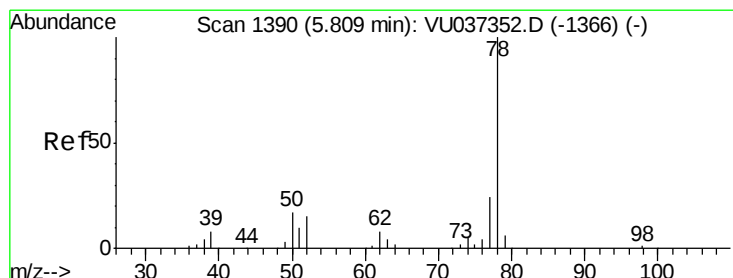
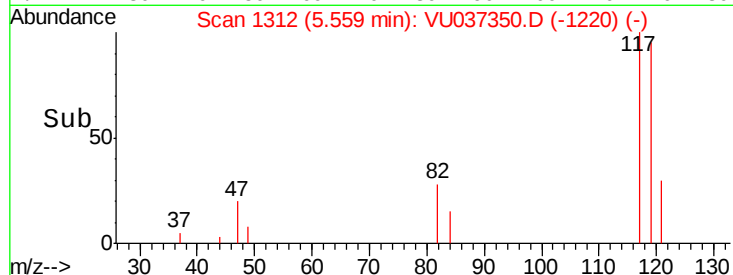
2000

1000

0

Time-->

5.50 5.55 5.60



#33

Benzene

Concen: 0.492 ug/L

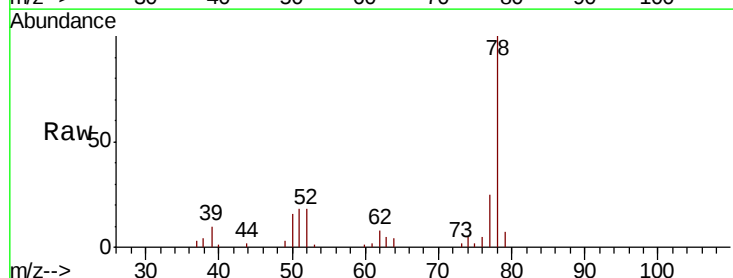
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Tgt Ion: 78 Resp: 20321



Abundance Ion 78.10 (77.80 to 78.80): VU0

12000

10000

8000

6000

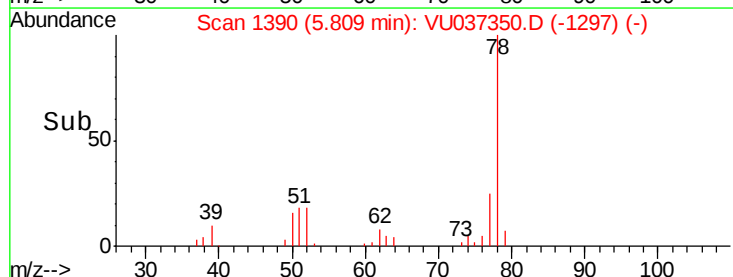
4000

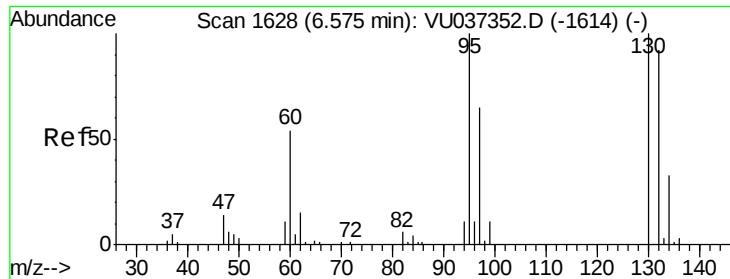
2000

0

Time-->

5.75 5.80 5.85 5.90

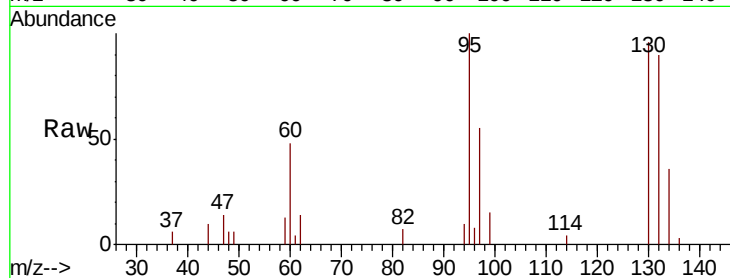




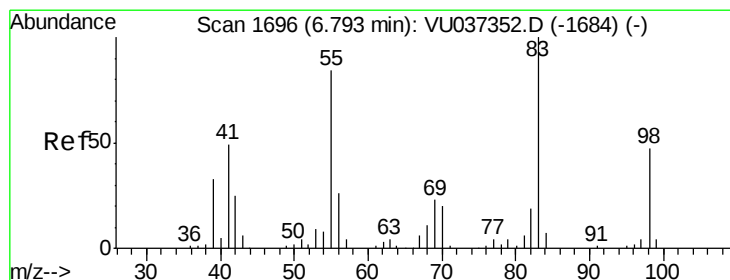
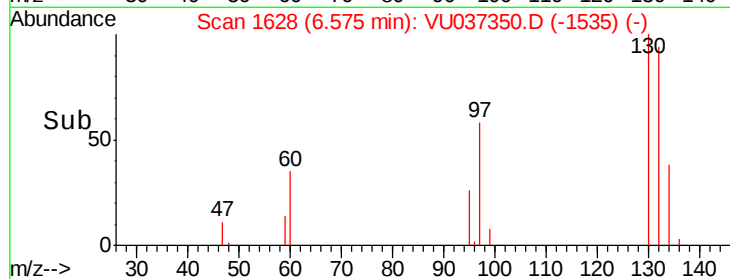
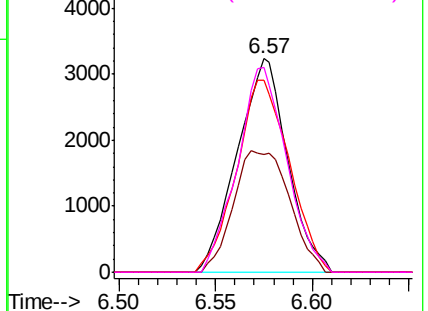
#34
 Trichloroethene
 Concen: 0.522 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 5870
 Ion Ratio Lower Upper
 95 100
 97 55.3 45.5 84.5
 132 90.0 64.7 120.1
 130 96.0 69.7 129.5

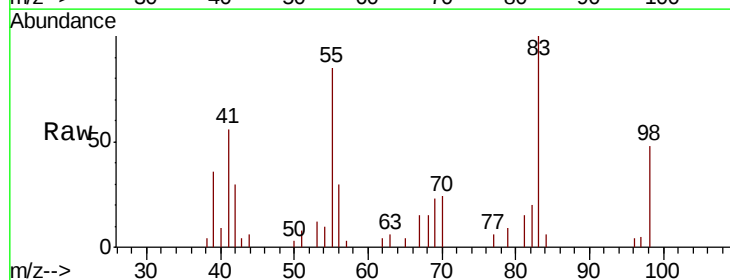


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

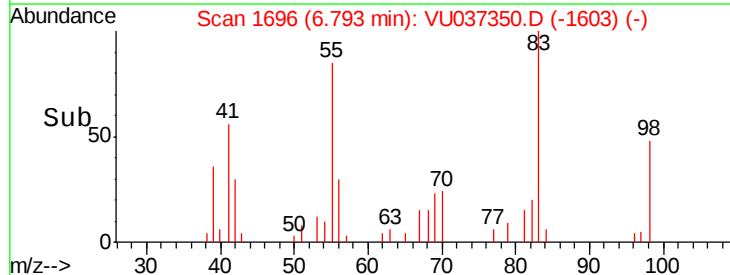
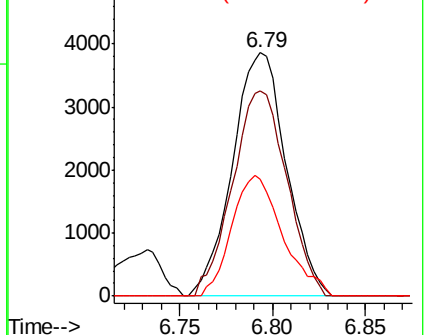


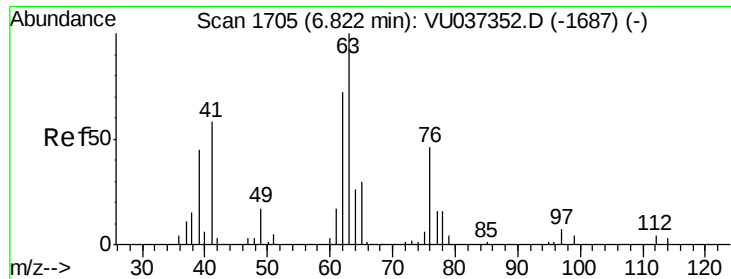
#35
 Methylcyclohexane
 Concen: 0.460 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

Tgt Ion: 83 Resp: 7793
 Ion Ratio Lower Upper
 83 100
 55 84.8 65.9 98.9
 98 46.9 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

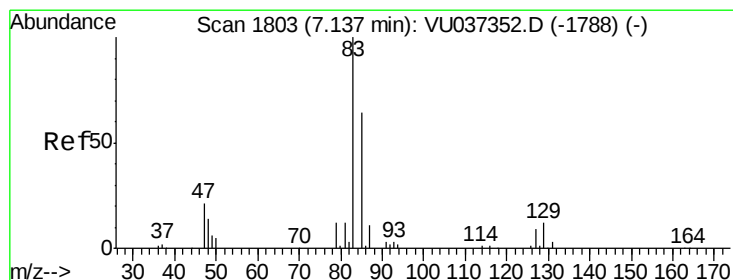
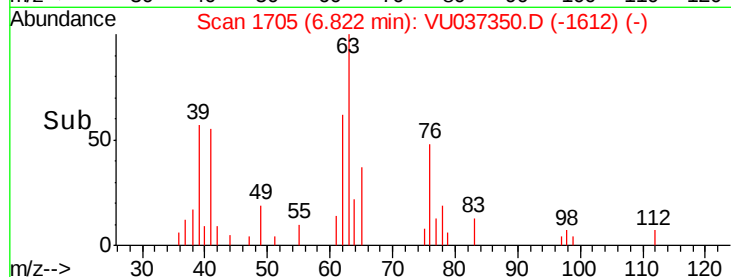
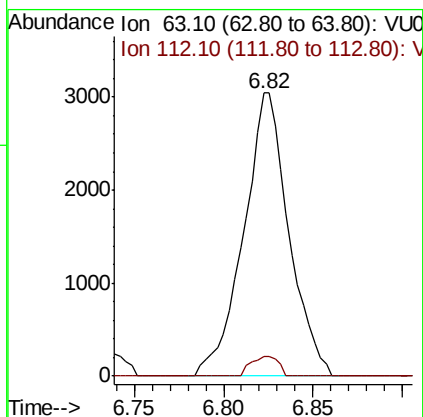
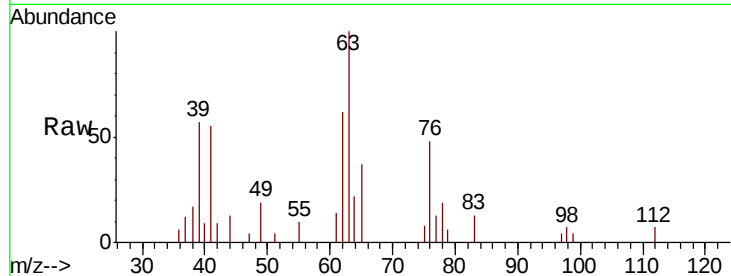




#37
 1,2-Dichloropropane
 Concen: 0.494 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

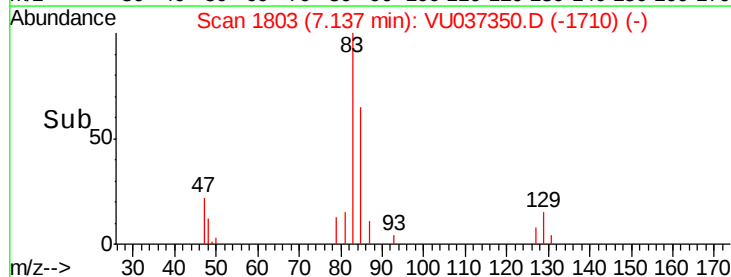
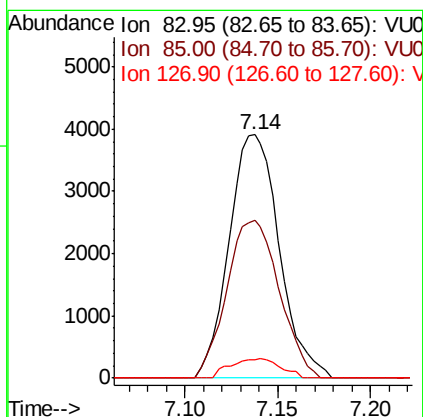
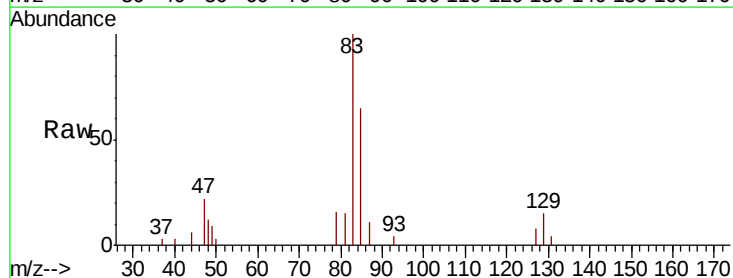
Instrument :
 MSVOA_U
 ClientSampled :

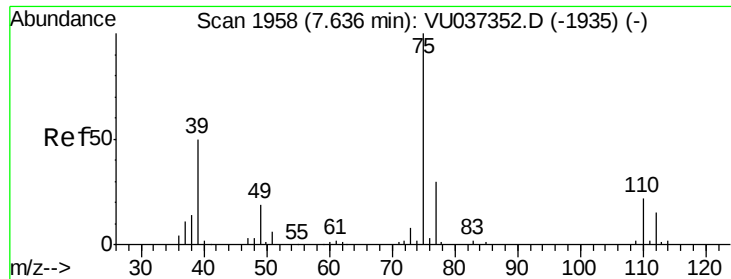
Tot Ion: 63 Resp: 5379
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.0 4.6



#38
 Bromodichloromethane
 Concen: 0.480 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

Tgt Ion: 83 Resp: 7351
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.7 82.9
 127 7.8 7.0 10.6

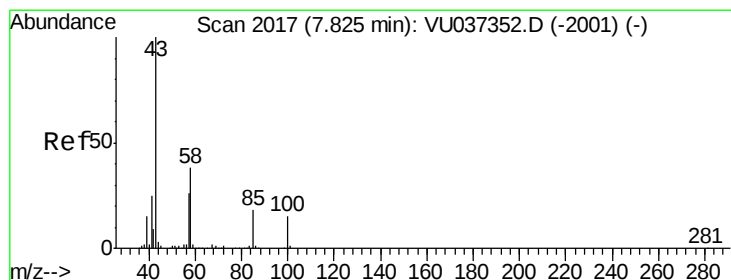
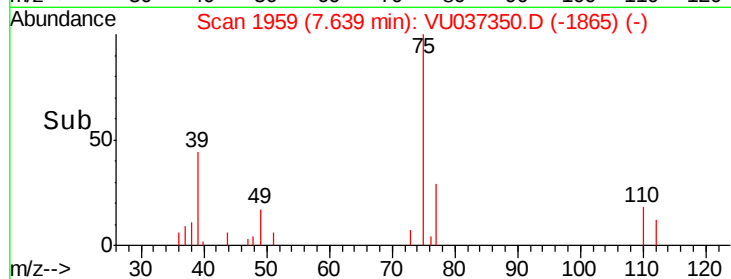
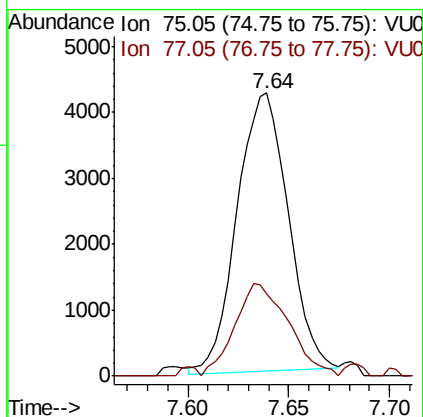
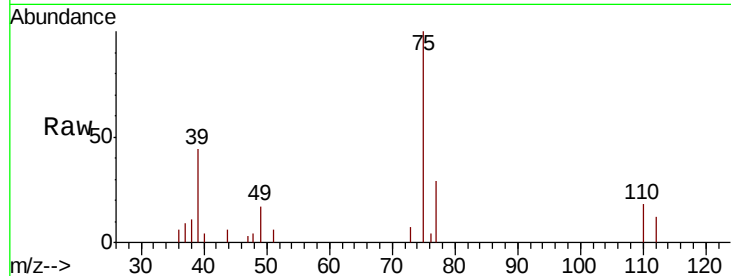




#39
 cis-1,3-Dichloropropene
 Concen: 0.457 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

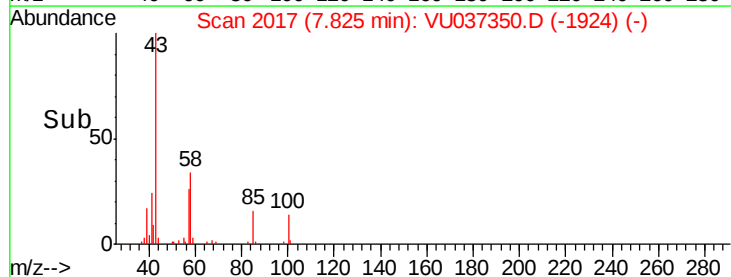
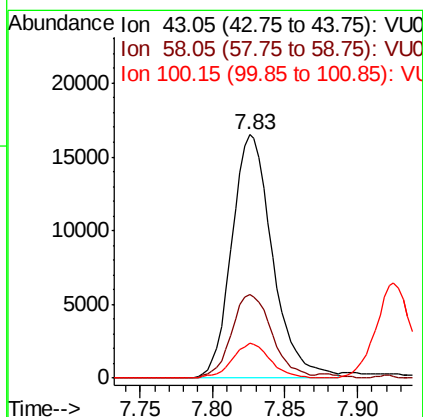
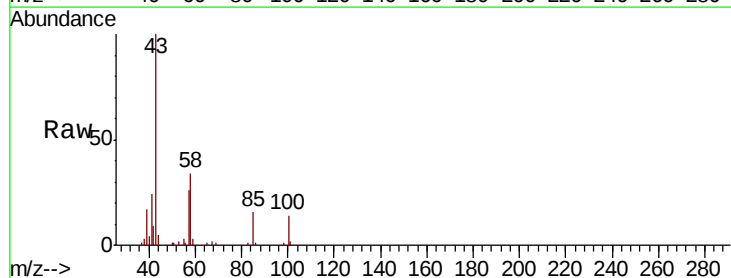
Instrument :
 MSVOA_U
 ClientSampleId :

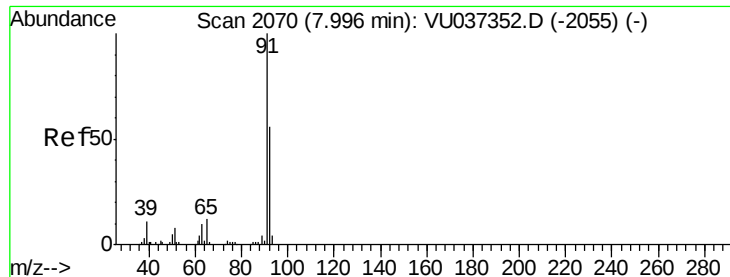
Tot Ion: 75 Resp: 7491
 Ion Ratio Lower Upper
 75 100
 77 28.9 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 4.472 ug/L
 RT: 7.83 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

Tgt Ion: 43 Resp: 32210
 Ion Ratio Lower Upper
 43 100
 58 34.2 30.1 45.1
 100 13.4 11.8 17.6





#42

Toluene

Concen: 0.465 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Instrument :

MSVOA_U

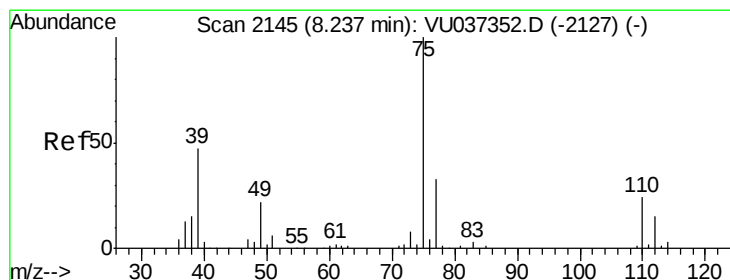
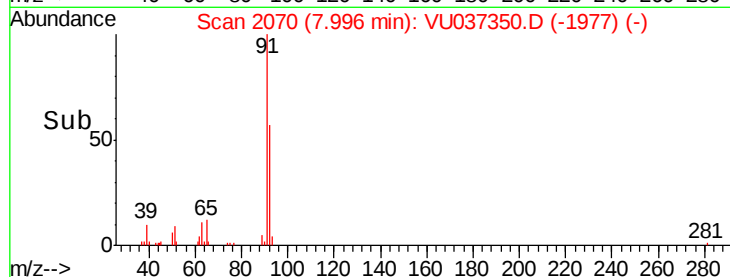
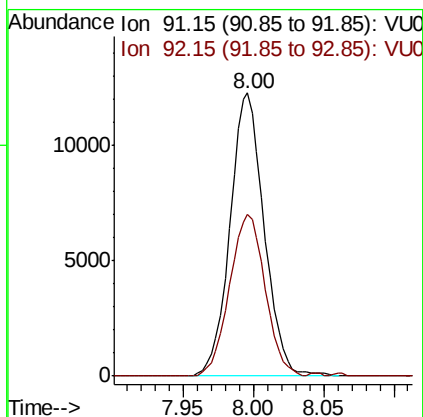
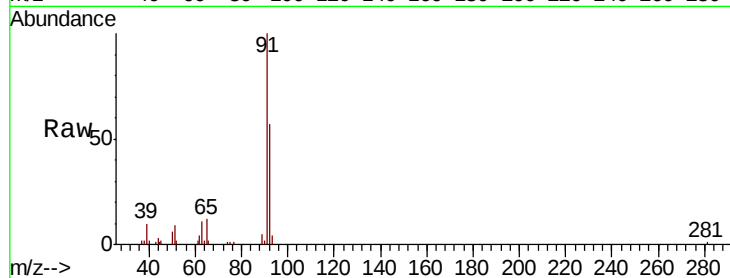
ClientSampled :

Tot Ion: 91 Resp: 20751

Ion Ratio Lower Upper

91 100

92 57.1 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 0.486 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU037350.D

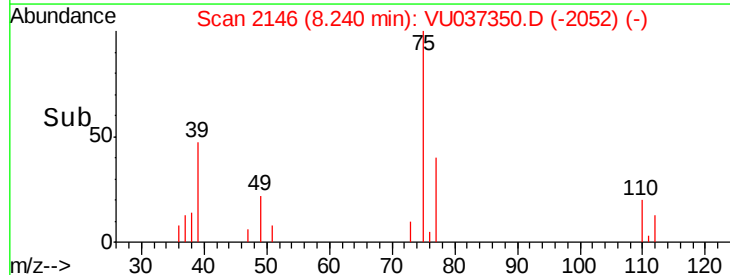
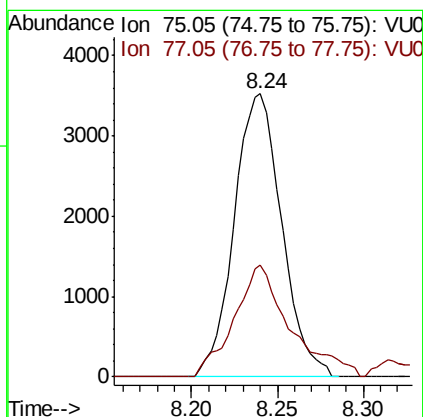
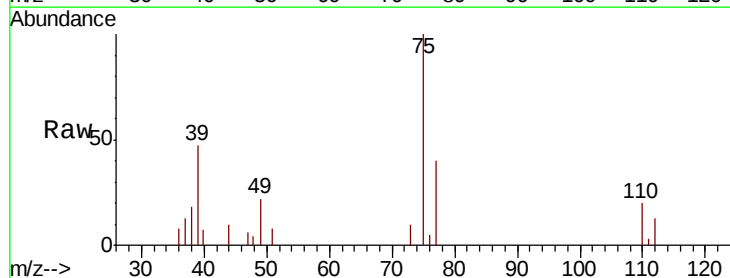
Acq: 20 Mar 2020 16:52

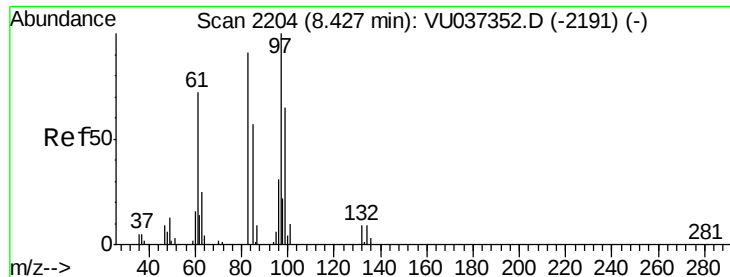
Tgt Ion: 75 Resp: 6783

Ion Ratio Lower Upper

75 100

77 39.5 23.0 42.6

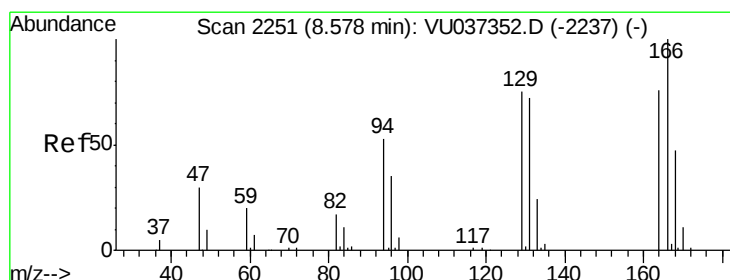
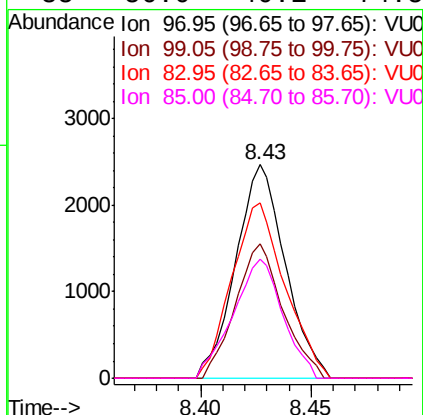
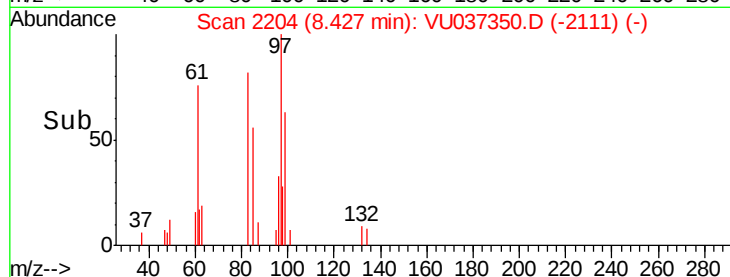
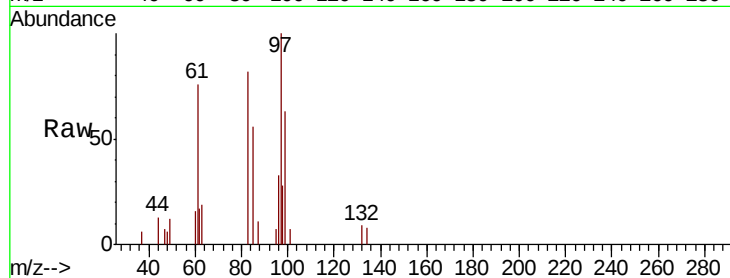




#45
 1,1,2-Trichloroethane
 Concen: 0.491 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

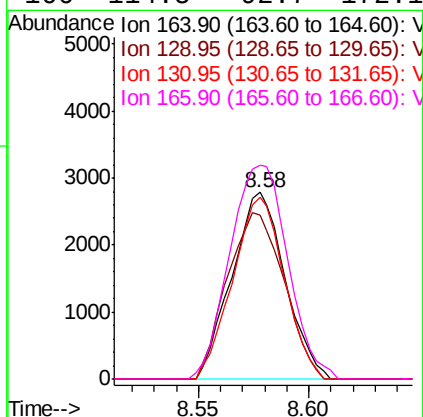
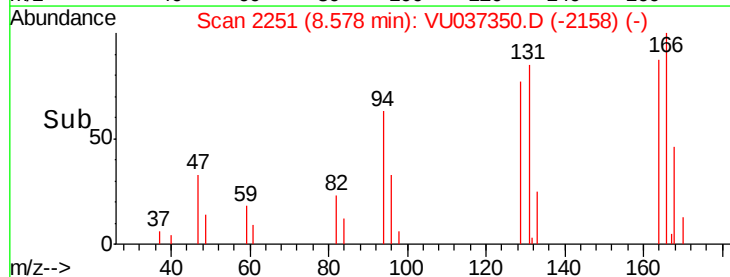
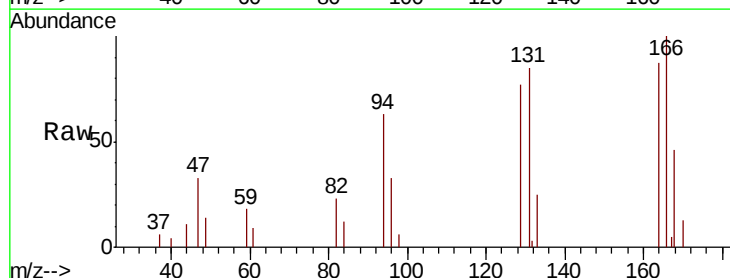
Instrument :
 MSVOA_U
 ClientSampleId :

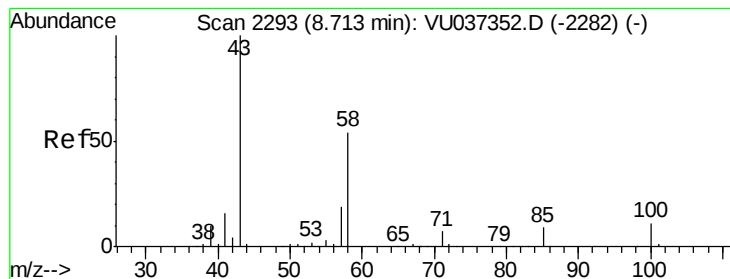
Tot Ion:	97	Resp:	3846
Ion	Ratio	Lower	Upper
97	100		
99	62.9	45.8	85.0
83	82.1	63.4	117.8
85	56.0	40.1	74.5



#47
 Tetrachloroethene
 Concen: 0.532 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

Tgt Ion:	164	Resp:	4665
Ion	Ratio	Lower	Upper
164	100		
129	88.1	69.9	129.7
131	97.4	67.1	124.7
166	114.5	92.7	172.1





#48

2-Hexanone

Concen: 4.066 ug/L

RT: 8.72 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 21595

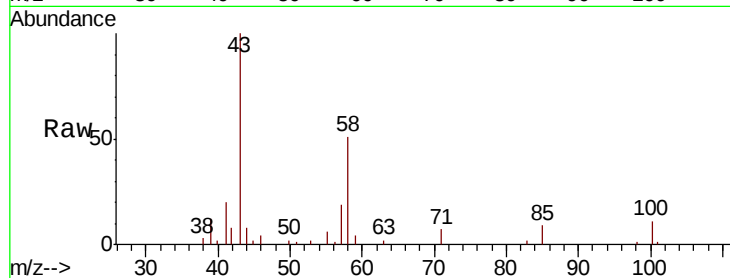
Ion Ratio Lower Upper

43 100

58 54.4 42.5 63.7

57 20.3 15.2 22.8

100 10.7 8.9 13.3

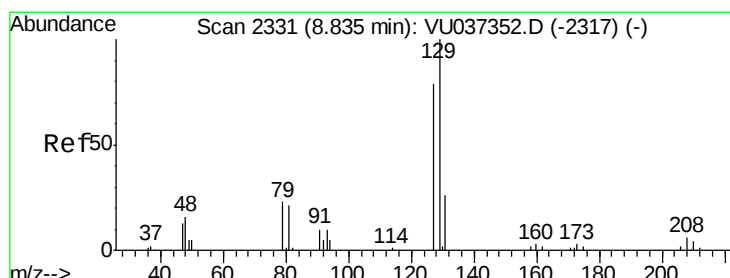
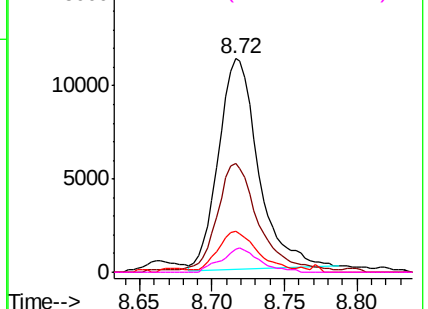
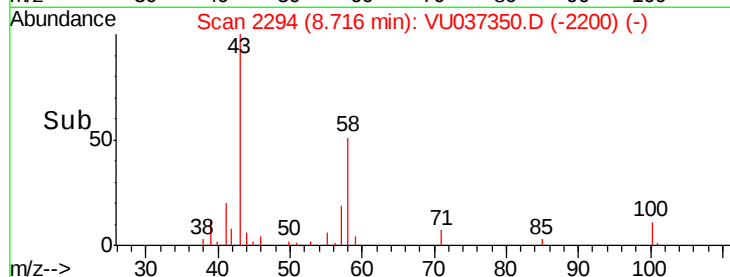


Abundance Ion 43.05 (42.75 to 43.75): VU037350.D (-2293) (-)

Ion 58.05 (57.75 to 58.75): VU037350.D (-2293) (-)

Ion 57.20 (56.90 to 57.90): VU037350.D (-2293) (-)

Ion 100.15 (99.85 to 100.85): VU037350.D (-2293) (-)



#49

Dibromochloromethane

Concen: 0.499 ug/L

RT: 8.84 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU037350.D

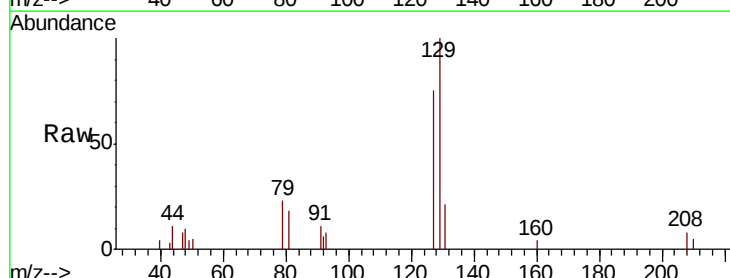
Acq: 20 Mar 2020 16:52

Tgt Ion: 129 Resp: 5078

Ion Ratio Lower Upper

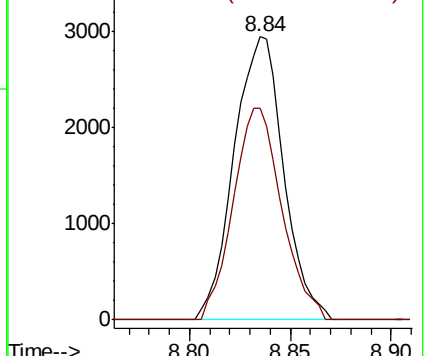
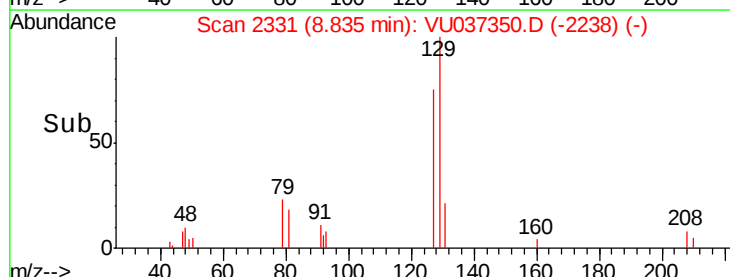
129 100

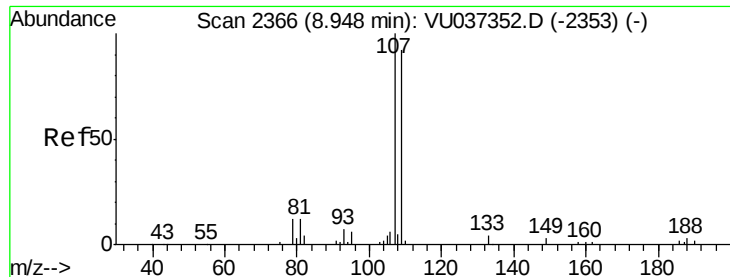
127 74.9 55.1 102.3



Abundance Ion 128.95 (128.65 to 129.65): VU037350.D (-2331) (-)

Ion 126.90 (126.60 to 127.60): VU037350.D (-2331) (-)

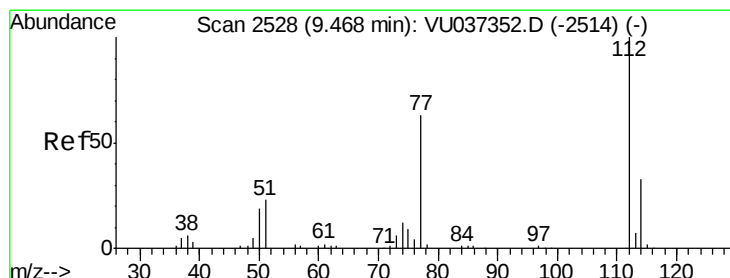
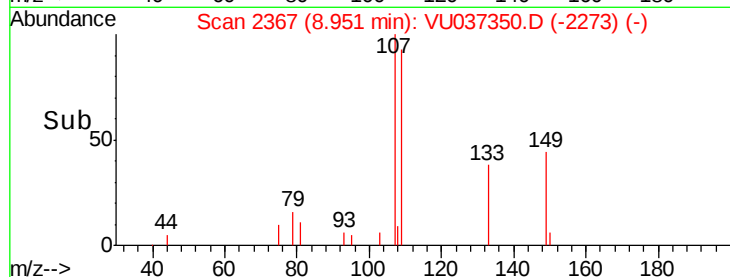
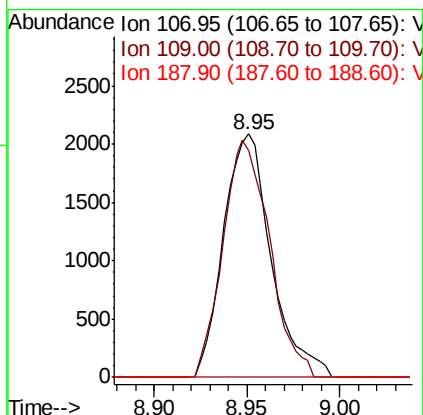
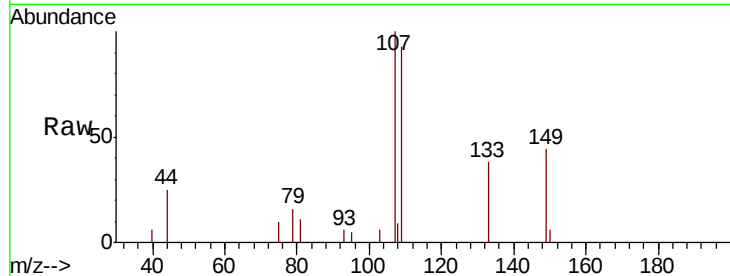




#50
 1,2-Dibromoethane
 Concen: 0.487 ug/L
 RT: 8.95 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

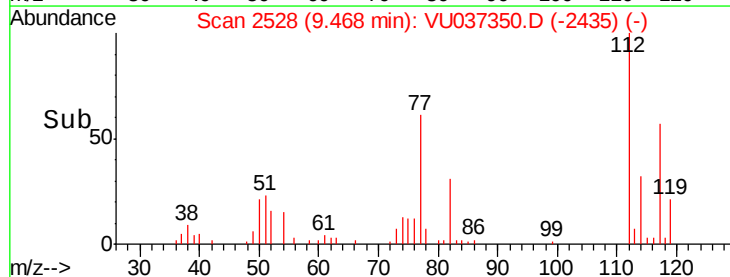
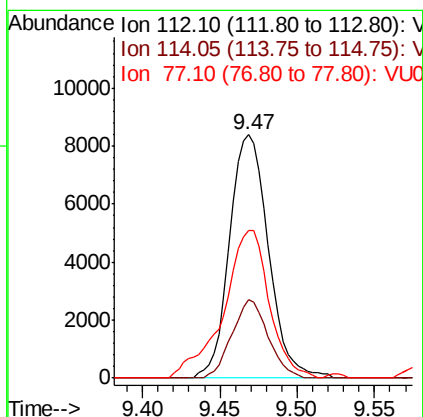
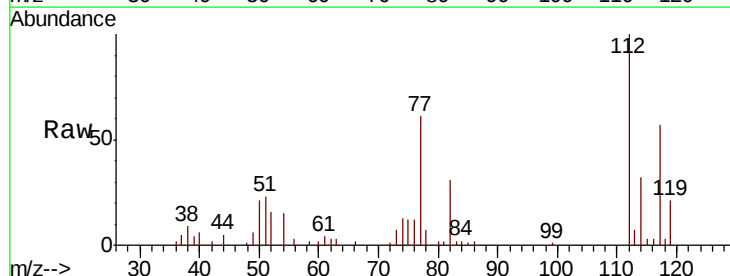
Instrument :
 MSVOA_U
 ClientSampled :

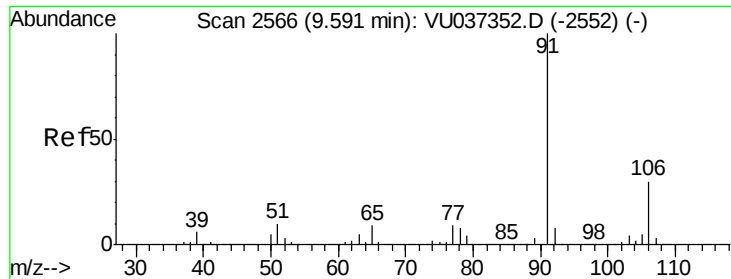
Tot Ion:107 Resp: 3733
 Ion Ratio Lower Upper
 107 100
 109 93.2 64.1 119.1
 188 0.0 2.4 3.6#



#51
 Chlorobenzene
 Concen: 0.509 ug/L
 RT: 9.47 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

Tgt Ion:112 Resp: 14654
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.9 42.5
 77 60.9 50.8 76.2





#52

Ethylbenzene

Concen: 0.466 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

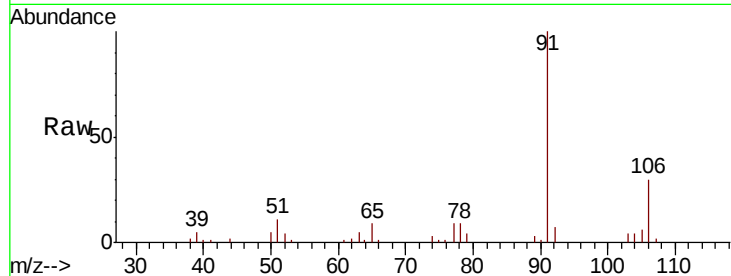
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 23496

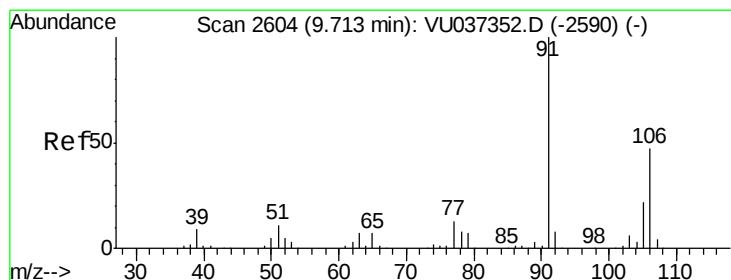
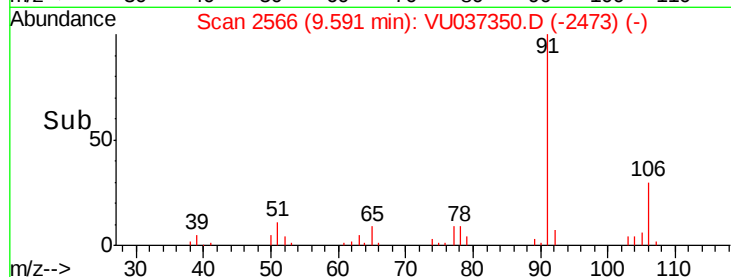
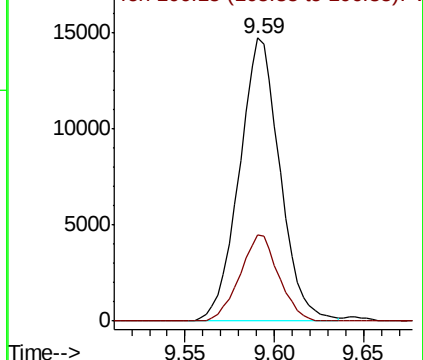
Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU037350.D (-2552) (-)



#53

m,p-Xylene

Concen: 0.410 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037350.D

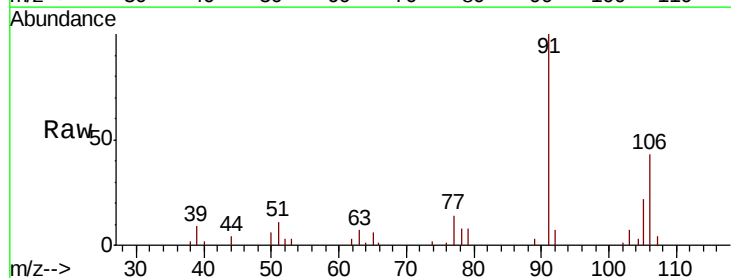
Acq: 20 Mar 2020 16:52

Tgt Ion: 106 Resp: 7620

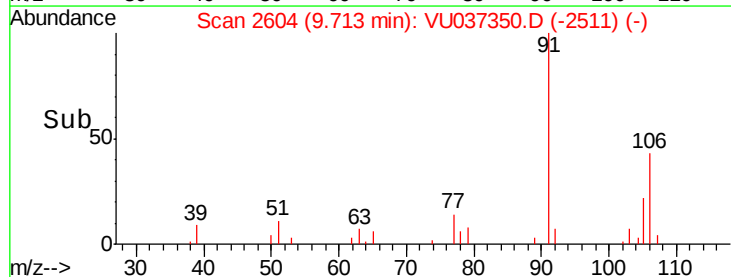
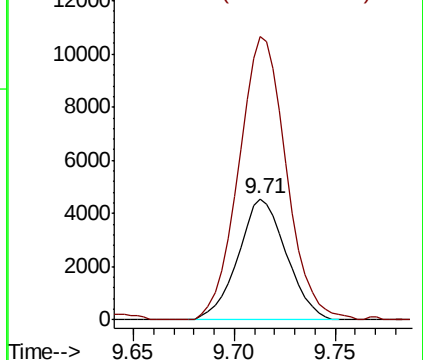
Ion Ratio Lower Upper

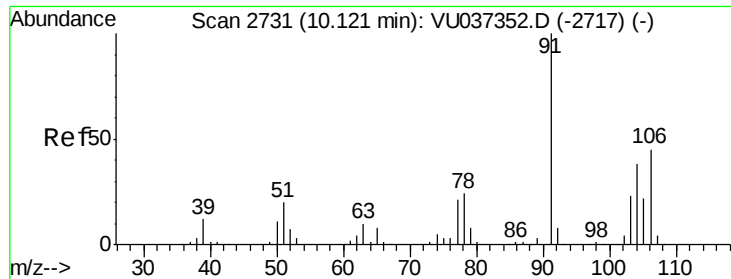
106 100

91 233.2 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): VU037350.D (-2590) (-)

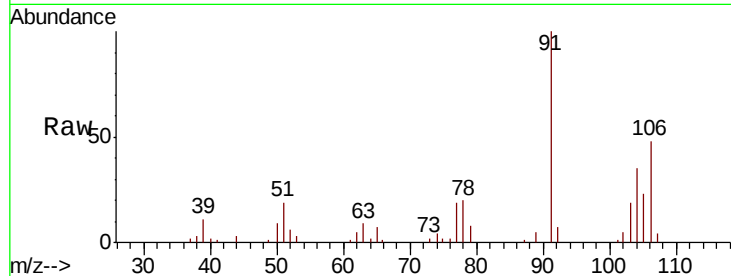




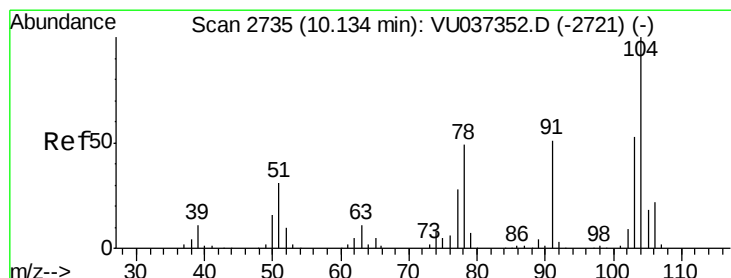
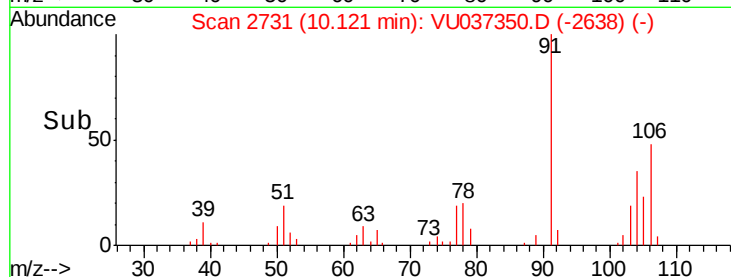
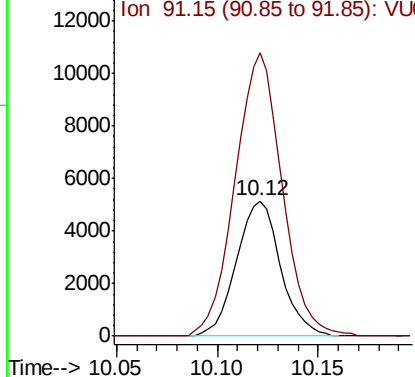
#54
o-Xylene
Concen: 0.445 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037350.D
Acq: 20 Mar 2020 16:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 7867
Ion Ratio Lower Upper
106 100
91 209.5 155.0 287.8

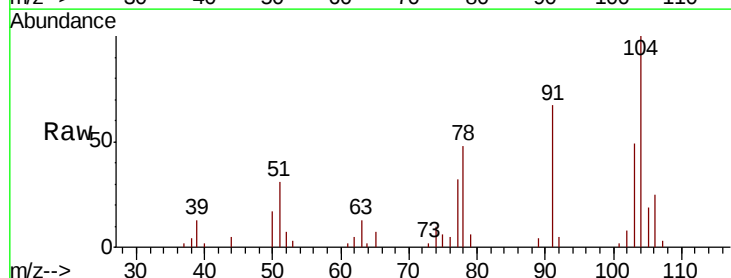


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

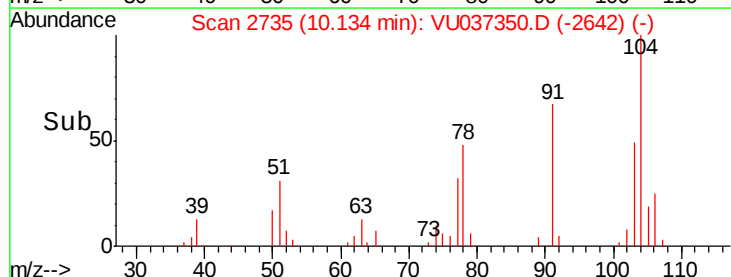
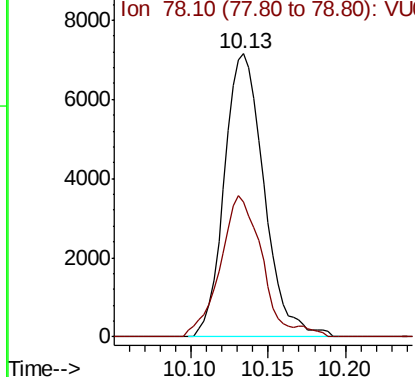


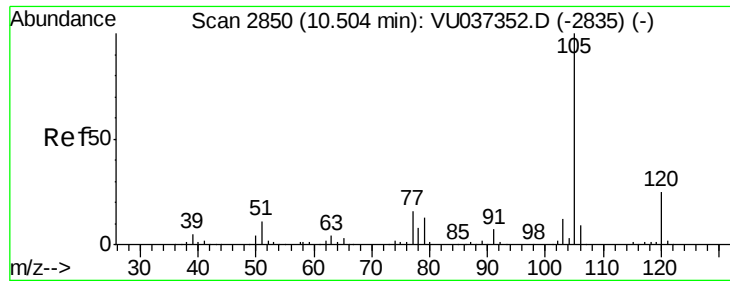
#55
Styrene
Concen: 0.426 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037350.D
Acq: 20 Mar 2020 16:52

Tgt Ion:104 Resp: 12754
Ion Ratio Lower Upper
104 100
78 47.6 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: 0.440 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Instrument :

MSVOA_U

ClientSampleId :

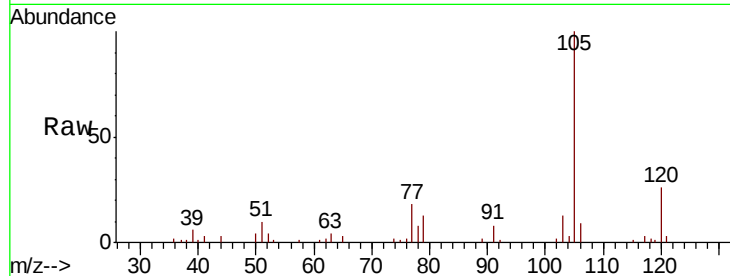
Tot Ion:105 Resp: 21795

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.2

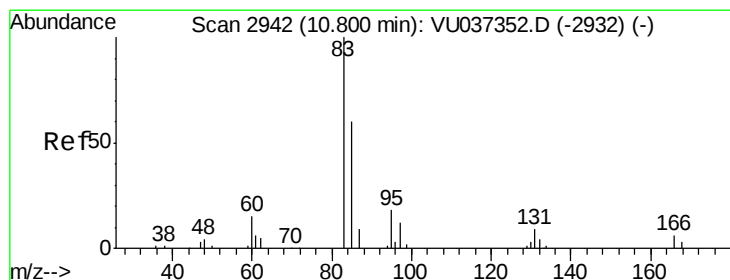
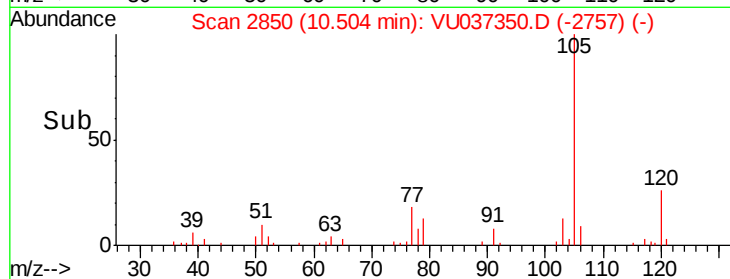
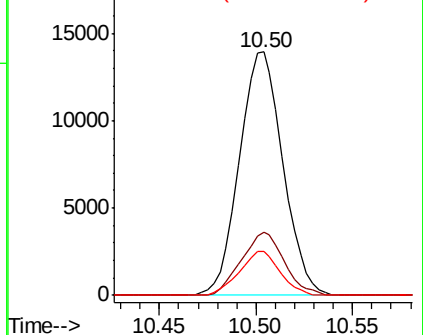
77 17.1 13.4 20.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.445 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

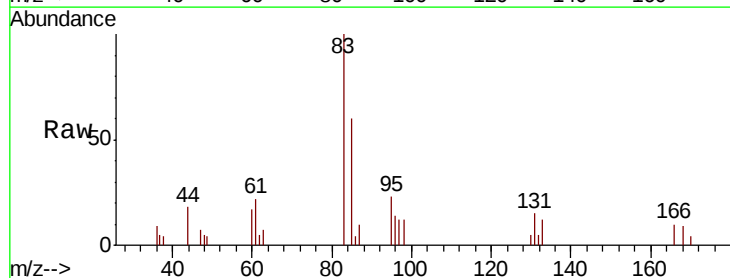
Tgt Ion: 83 Resp: 4580

Ion Ratio Lower Upper

83 100

85 60.3 43.1 80.1

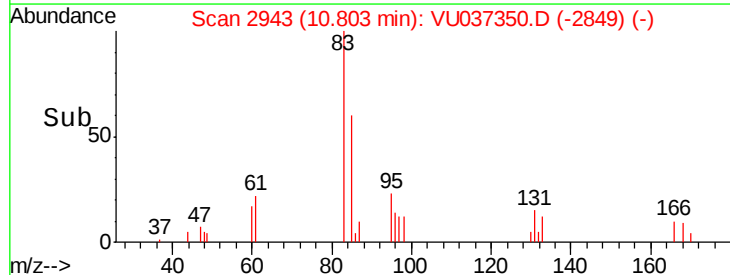
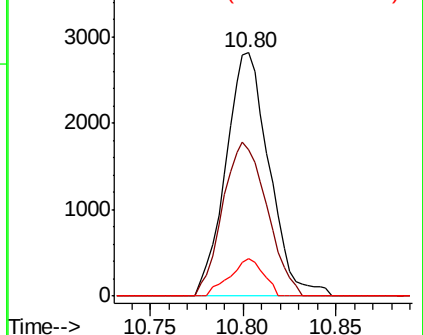
131 15.3 8.3 12.5#

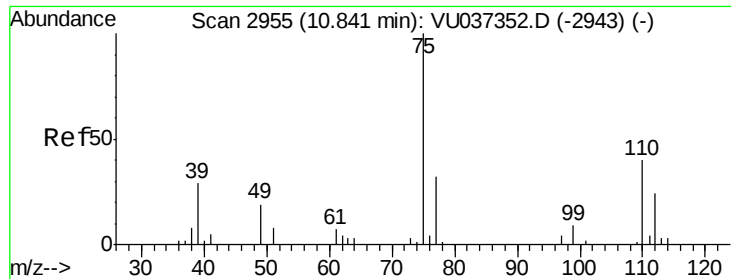


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.450 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Instrument :

MSVOA_U

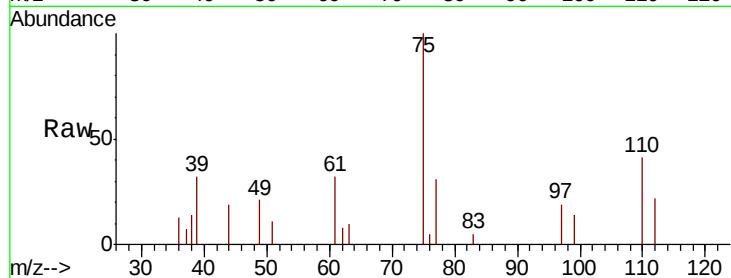
ClientSampleId :

Tot Ion: 75 Resp: 3444

Ion Ratio Lower Upper

75 100

77 35.1 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU037350.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU037350.D (-2943) (-)

10.84

2500

2000

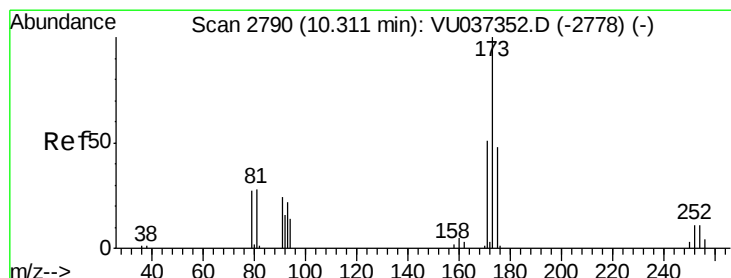
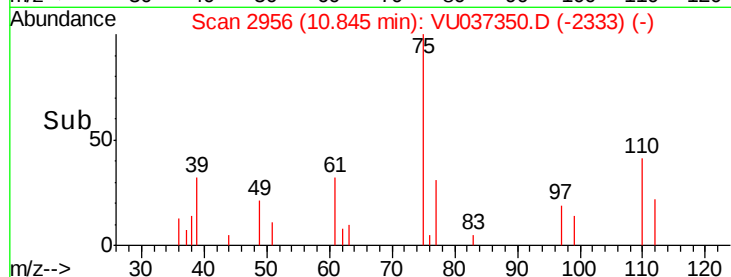
1500

1000

500

0

Time-->



#61

Bromoform

Concen: 0.523 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

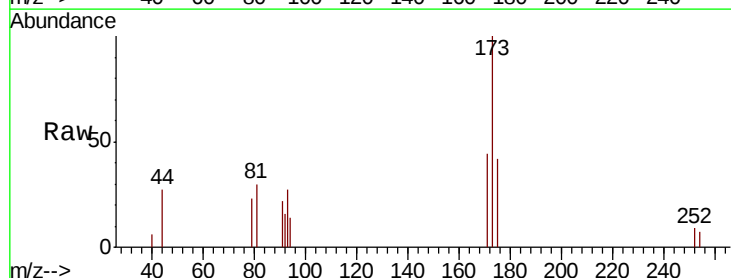
Tgt Ion: 173 Resp: 2965

Ion Ratio Lower Upper

173 100

175 46.8 37.8 56.6

254 4.3 8.4 12.6#



Abundance Ion 172.90 (172.60 to 173.60): VU037350.D (-2697) (-)

Ion 174.90 (174.60 to 175.60): VU037350.D (-2697) (-)

Ion 253.75 (253.45 to 254.45): VU037350.D (-2697) (-)

10.31

2500

2000

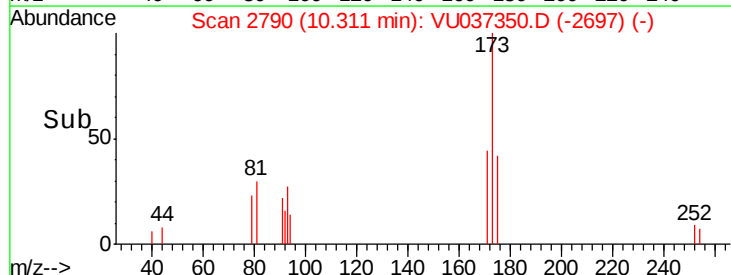
1500

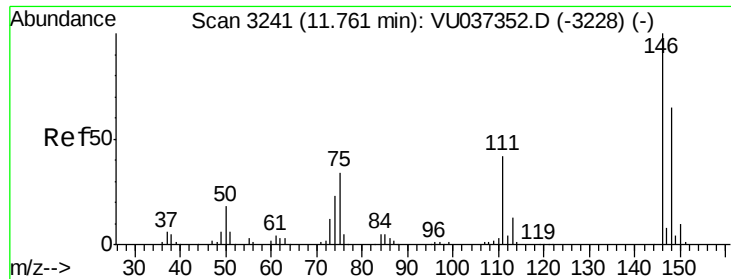
1000

500

0

Time-->

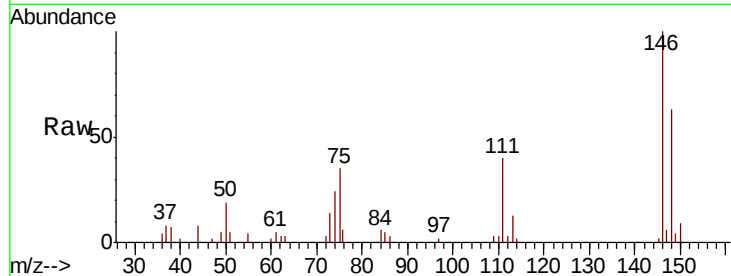




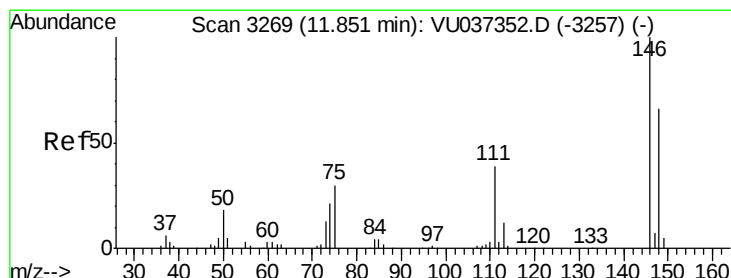
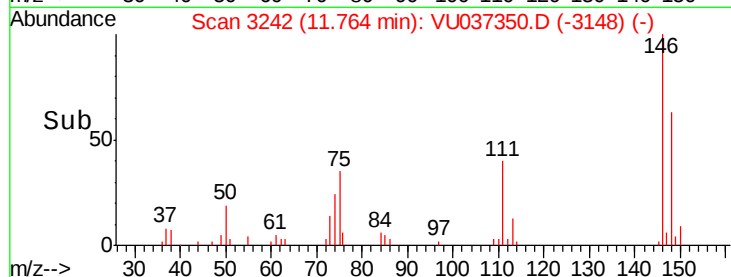
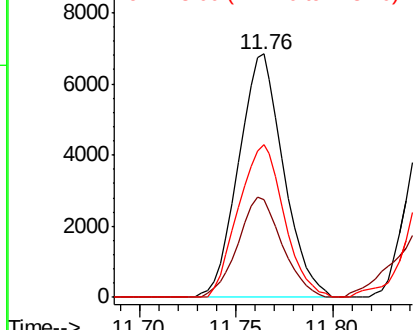
#62
 1,3-Dichlorobenzene
 Concen: 0.514 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 11052
 Ion Ratio Lower Upper
 146 100
 111 40.0 29.2 54.2
 148 62.5 45.4 84.4

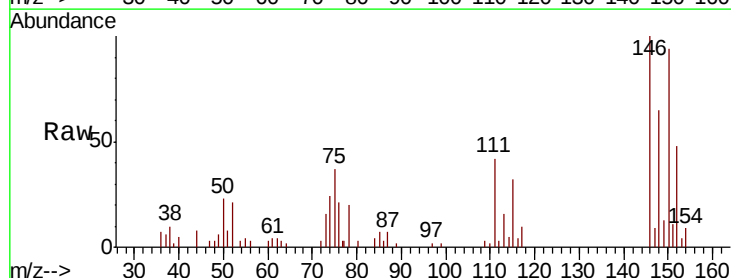


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

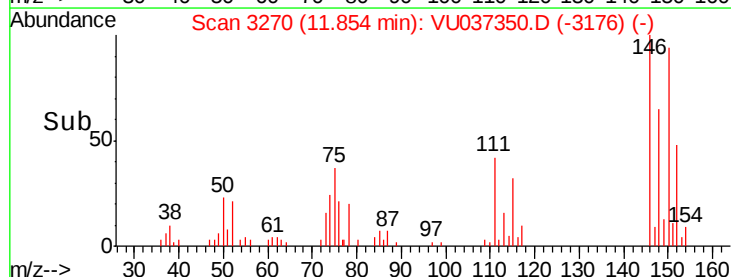
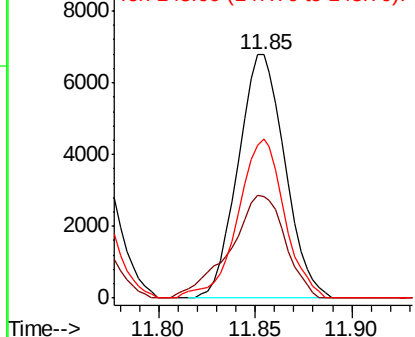


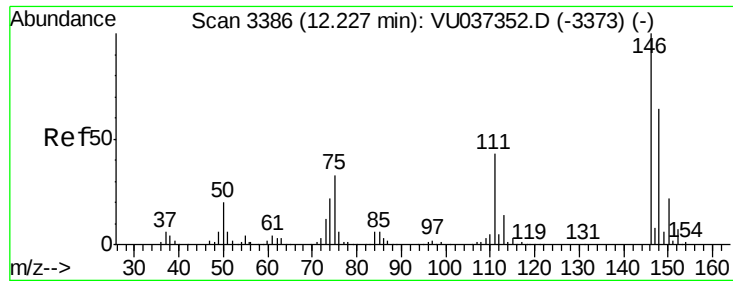
#63
 1,4-Dichlorobenzene
 Concen: 0.532 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

Tgt Ion:146 Resp: 11425
 Ion Ratio Lower Upper
 146 100
 111 41.9 27.4 51.0
 148 65.1 46.3 85.9



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





#65

1,2-Dichlorobenzene

Concen: 0.526 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Instrument :

MSVOA_U

ClientSampleId :

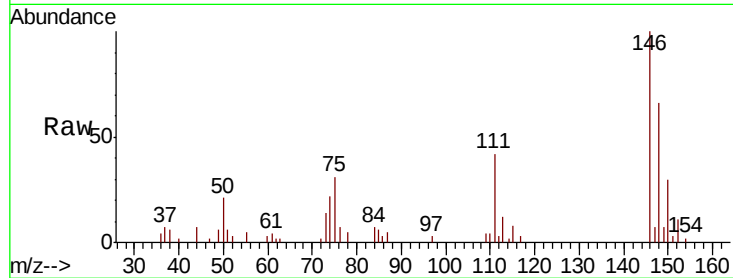
Tot Ion:146 Resp: 11012

Ion Ratio Lower Upper

146 100

111 41.8 34.7 52.1

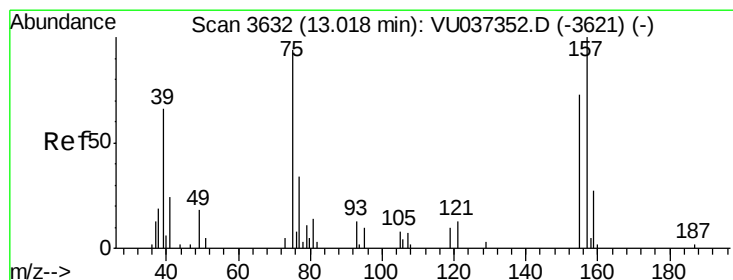
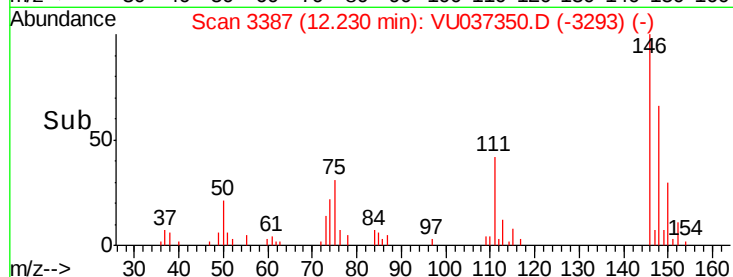
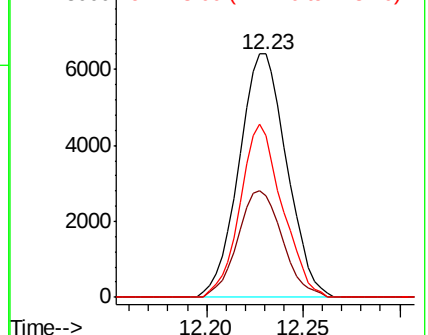
148 66.5 51.1 76.7



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: 0.438 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

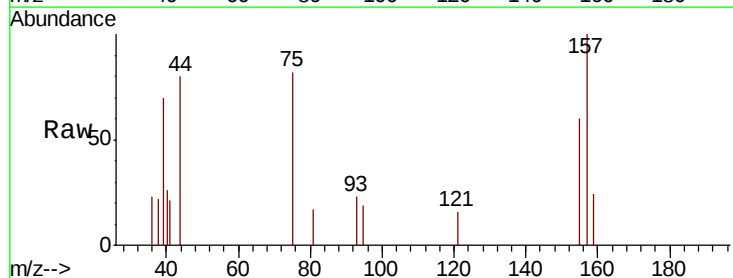
Tgt Ion: 75 Resp: 715

Ion Ratio Lower Upper

75 100

155 72.5 62.2 93.4

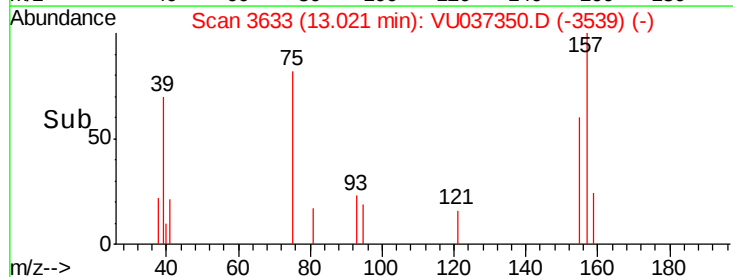
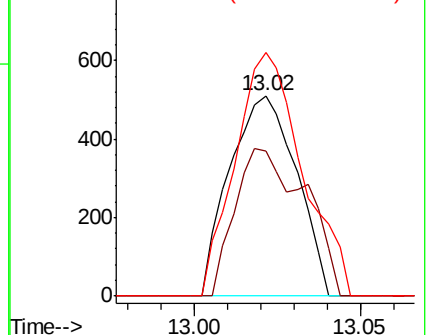
157 121.8 85.4 128.2

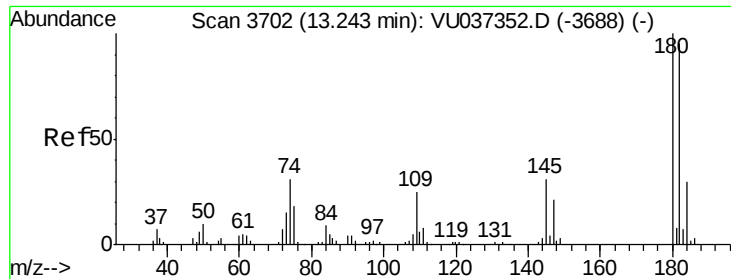


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

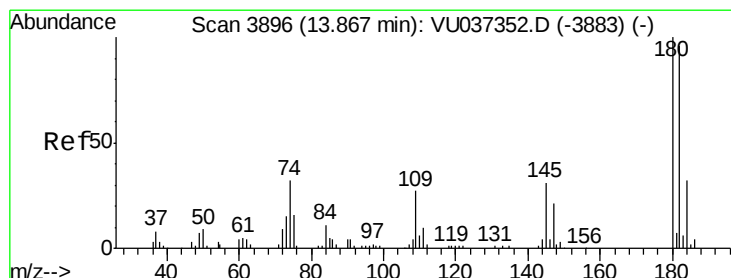
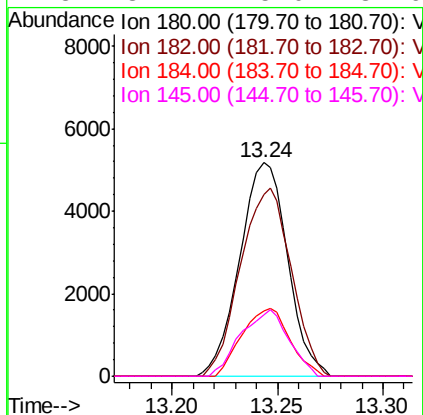
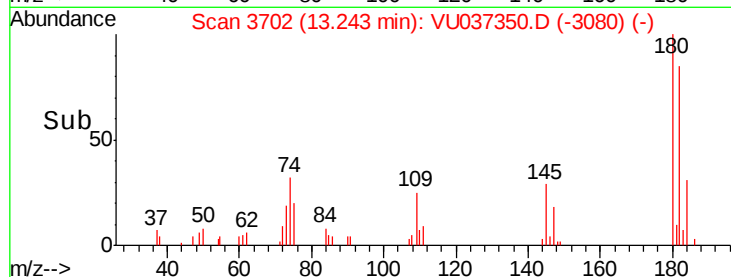
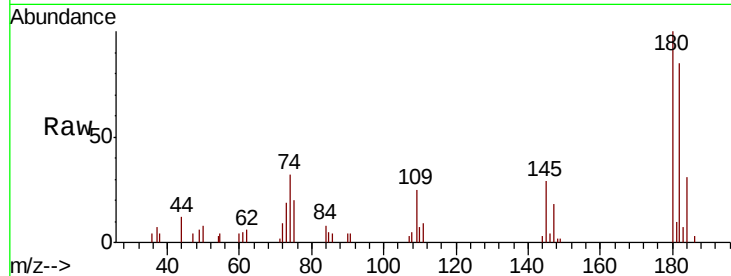




#67
 1,3,5-Trichlorobenzene
 Concen: 0.500 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

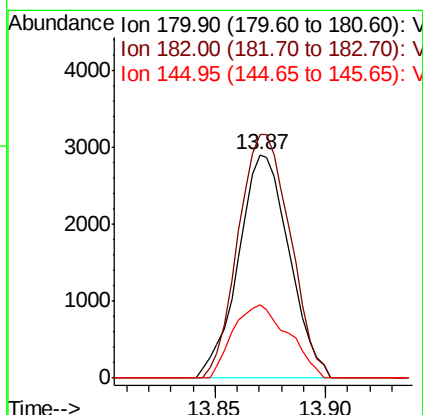
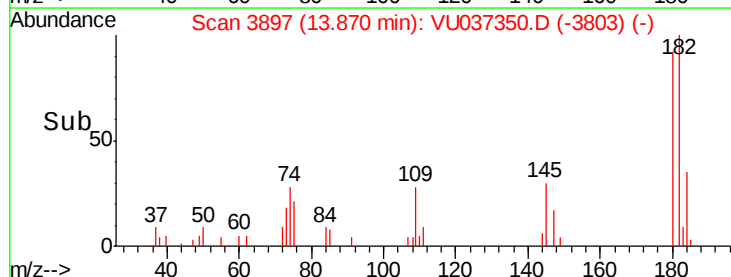
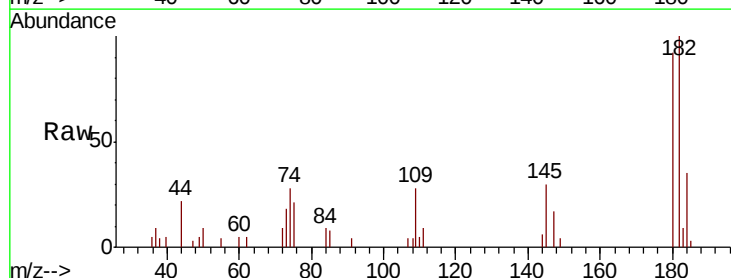
Instrument :
 MSVOA_U
 ClientSampleId :

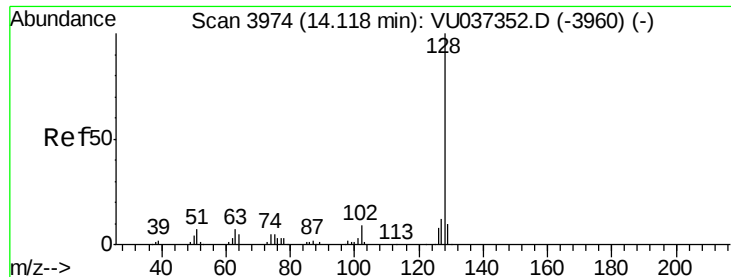
Tot Ion:180	Resp:	8181
Ion	Ratio	Lower Upper
180	100	
182	92.7	76.4 114.6
184	31.8	24.6 37.0
145	31.1	25.0 37.6



#68
 1,2,4-trichlorobenzene
 Concen: 0.404 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037350.D
 Acq: 20 Mar 2020 16:52

Tgt Ion:180	Resp:	4646
Ion	Ratio	Lower Upper
180	100	
182	111.4	77.4 116.2
145	35.7	25.3 37.9





#69

Naphthalene

Concen: 0.321 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

Instrument :

MSVOA_U

ClientSampleId :

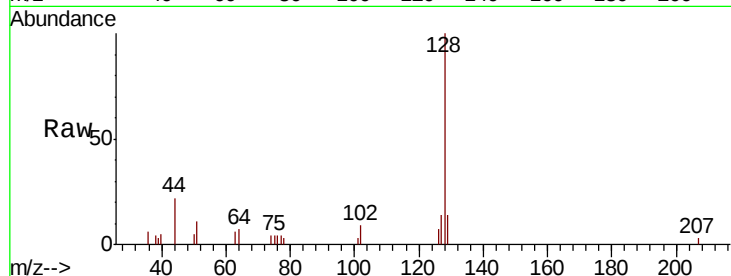
Tot Ion:128 Resp: 5299

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

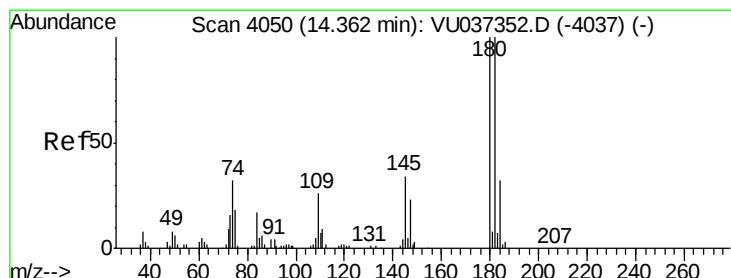
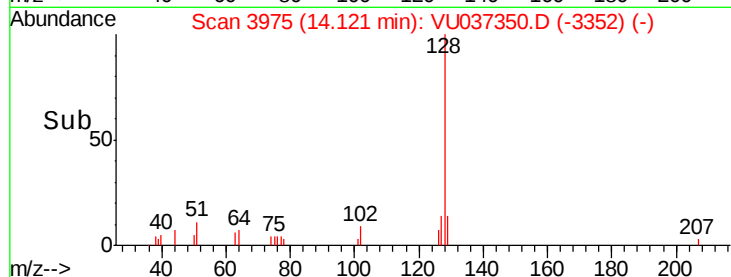
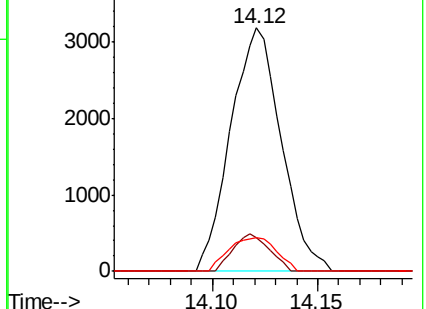
127 13.1 10.5 15.7



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: 0.427 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.00 min

Lab File: VU037350.D

Acq: 20 Mar 2020 16:52

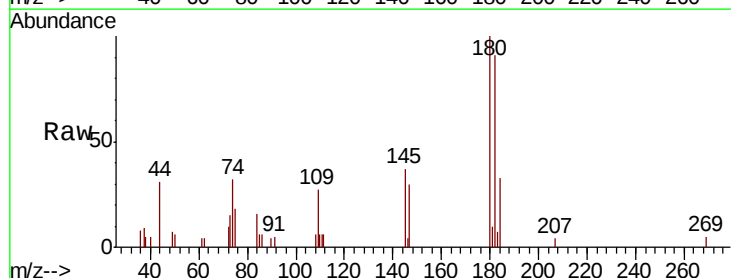
Tgt Ion:180 Resp: 4743

Ion Ratio Lower Upper

180 100

182 96.4 79.6 119.4

145 35.5 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

