

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040220\
 Data File : VU037557.D
 Acq On : 02 Apr 2020 16:36
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 03 01:01:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 03 00:57:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	88086	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	84687	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	39575	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33311	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.93	69	26407	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.59	63	58474	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	4.66	46	91341	45.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.24%
24) Chloroform-d	5.10	84	58802	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.74	65	31563	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	5.76	84	118713	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.73	67	39067	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.92	98	108306	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.20	79	17407	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.66	63	83501	44.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.38%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	33176	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	38849	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	30387	4.463	ug/L	98
3) Chloromethane	1.54	50	35739	5.067	ug/L	99
5) Vinyl chloride	1.62	62	33104	4.641	ug/L	96
6) Bromomethane	1.87	94	16234	4.759	ug/L	99
8) Chloroethane	1.95	64	20174	4.629	ug/L	92
9) Trichlorofluoromethane	2.16	101	47781	4.548	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	27120	4.498	ug/L	97
12) 1,1-Dichloroethene	2.60	96	26319	4.518	ug/L	98
13) Acetone	2.66	43	44842	39.729	ug/L	99
14) Carbon disulfide	2.82	76	83639	4.371	ug/L	97
15) Methyl Acetate	2.98	43	12831	3.836	ug/L	97
16) Methylene chloride	3.08	84	30516	4.464	ug/L	96
17) Methyl tert-butyl Ether	3.40	73	73061	4.462	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	29765	4.702	ug/L	96
19) 1,1-Dichloroethane	3.91	63	55173	4.645	ug/L	99
21) 2-Butanone	4.74	43	79847	40.214	ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	31164	4.515	ug/L	94

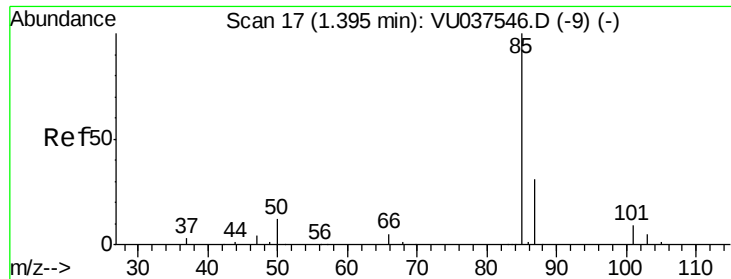
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040220\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 03 00:57:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	13355	4.440	ug/L	93
25) Chloroform	5.13	83	55025	4.497	ug/L	95
27) 1,2-Dichloroethane	5.83	62	34587	4.406	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	48434	4.443	ug/L	99
30) Cyclohexane	5.43	56	50225	4.243	ug/L	98
31) Carbon tetrachloride	5.56	117	39657	4.474	ug/L	100
33) Benzene	5.81	78	120116	4.468	ug/L	100
34) Trichloroethene	6.57	95	31373	4.423	ug/L	98
35) Methylcyclohexane	6.79	83	50604	4.262	ug/L	96
37) 1,2-Dichloropropane	6.83	63	32272	4.448	ug/L	99
38) Bromodichloromethane	7.14	83	41381	4.469	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	49341	4.444	ug/L	95
40) 4-Methyl-2-pentanone	7.82	43	210181	41.591	ug/L	99
42) Toluene	8.00	91	128573	4.500	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	42782	4.393	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	21510	4.239	ug/L	96
47) Tetrachloroethene	8.58	164	21152	4.558	ug/L	93
48) 2-Hexanone	8.71	43	147832	40.389	ug/L	99
49) Dibromochloromethane	8.83	129	27353	4.526	ug/L	95
50) 1,2-Dibromoethane	8.95	107	20754	4.205	ug/L	95
51) Chlorobenzene	9.47	112	81466	4.620	ug/L	99
52) Ethylbenzene	9.59	91	145592	4.472	ug/L	99
53) m,p-Xylene	9.72	106	54289	4.437	ug/L	98
54) o-Xylene	10.12	106	54532	4.627	ug/L	96
55) Styrene	10.13	104	92487	4.544	ug/L	94
56) Isopropylbenzene	10.50	105	144292	4.496	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	28625	4.193	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	20343	4.276	ug/L	98
61) Bromoform	10.31	173	15309	4.701	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	63616	4.863	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	62116	4.670	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	60488	4.832	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	5518	4.588	ug/L	91
67) 1,3,5-Trichlorobenzene	13.25	180	44879	4.753	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	41636	4.739	ug/L	98
69) Naphthalene	14.12	128	104164	5.329	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	36694	4.708	ug/L	98

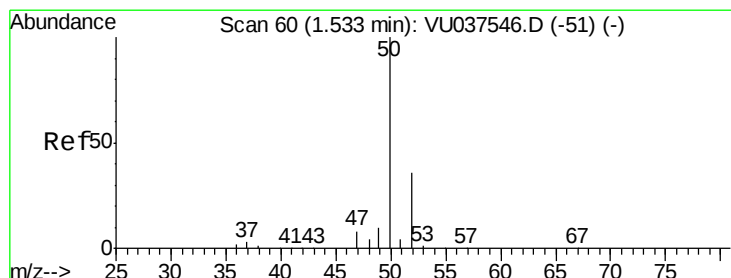
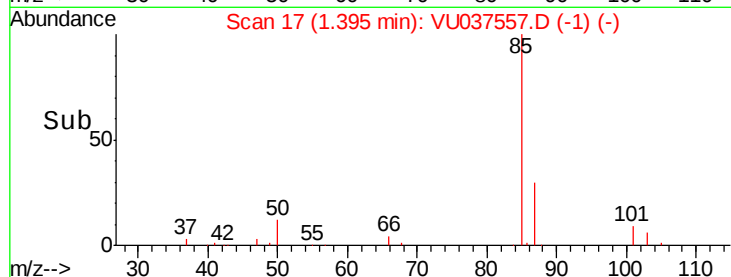
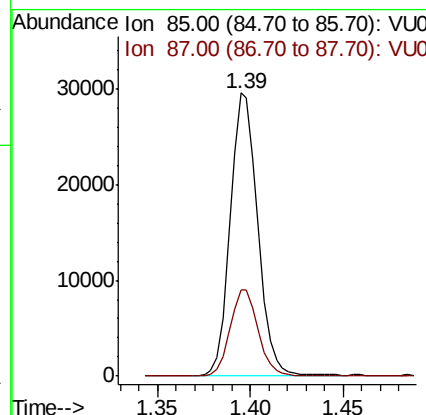
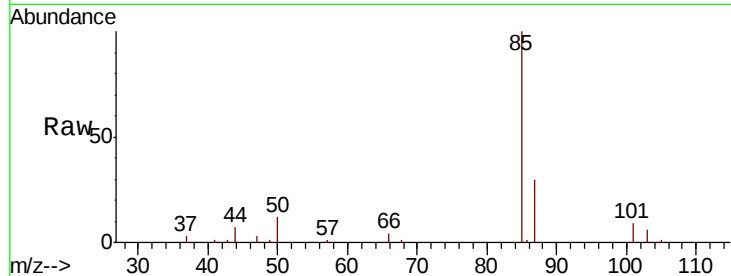
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.463 ug/L
 RT: 1.39 min Scan# 17
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

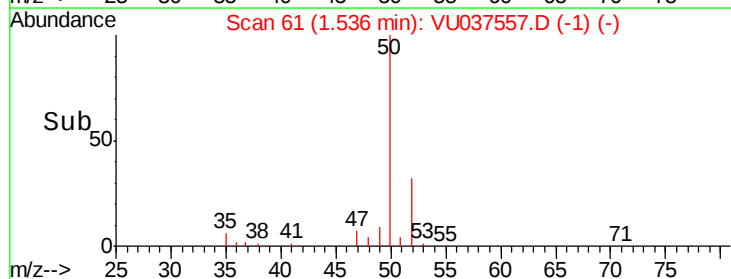
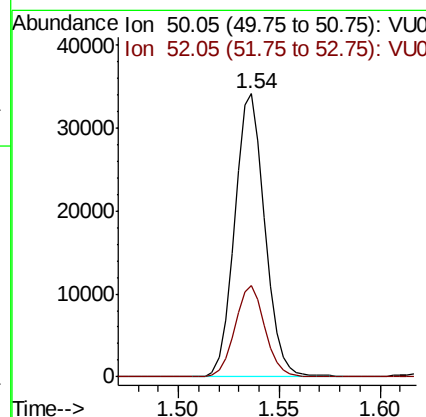
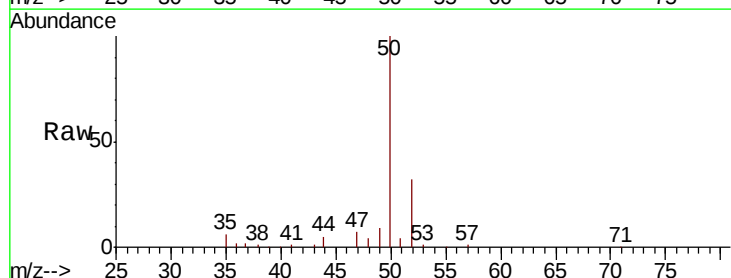
Instrument :
 MSVOA_U
 ClientSampleId :

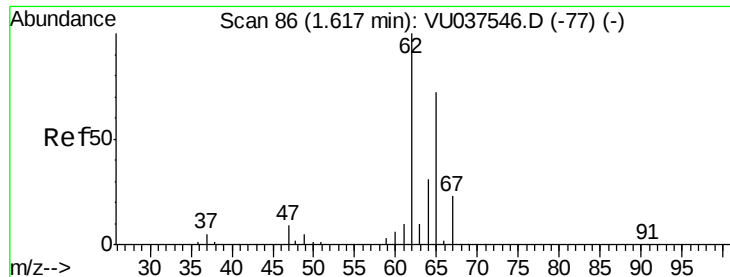
Tot Ion: 85 Resp: 30387
 Ion Ratio Lower Upper
 85 100
 87 30.6 25.5 38.3



#3
 Chloromethane
 Concen: 5.067 ug/L
 RT: 1.54 min Scan# 61
 Delta R.T. 0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

Tgt Ion: 50 Resp: 35739
 Ion Ratio Lower Upper
 50 100
 52 32.2 22.8 42.4





#5

Vinyl chloride

Concen: 4.641 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

Instrument :

MSVOA_U

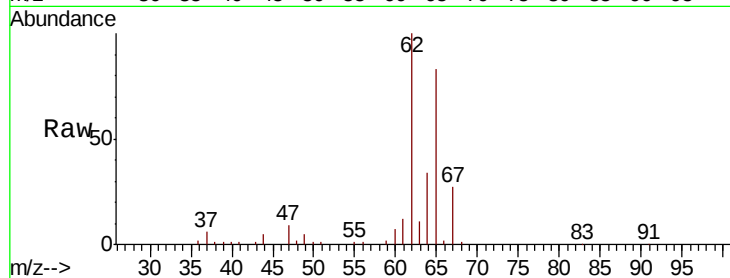
ClientSampleId :

Tot Ion: 62 Resp: 33104

Ion Ratio Lower Upper

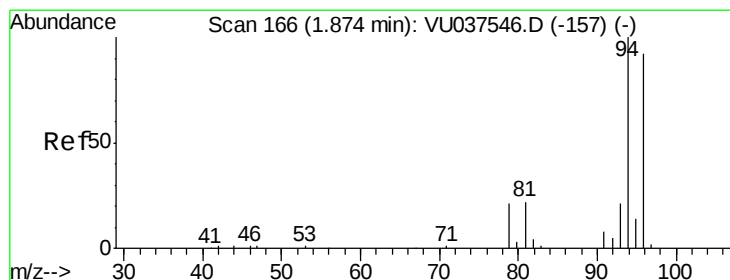
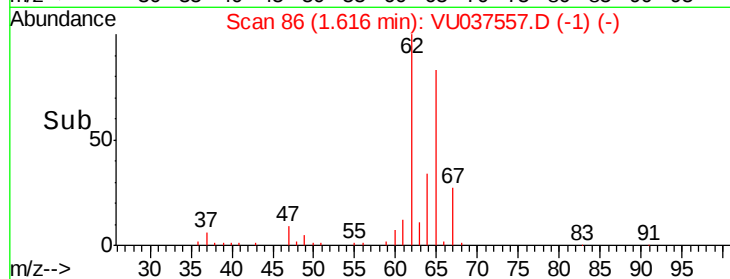
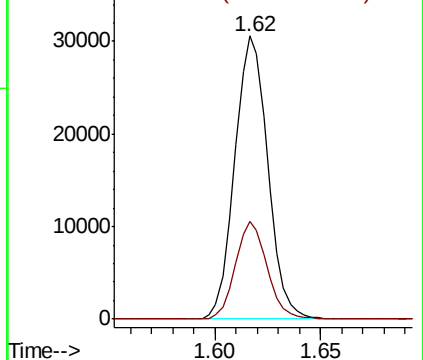
62 100

64 34.3 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU037546.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037546.D (-77) (-)



#6

Bromomethane

Concen: 4.759 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037557.D

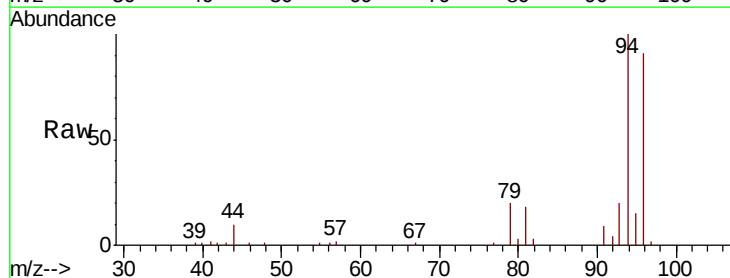
Acq: 02 Apr 2020 16:36

Tgt Ion: 94 Resp: 16234

Ion Ratio Lower Upper

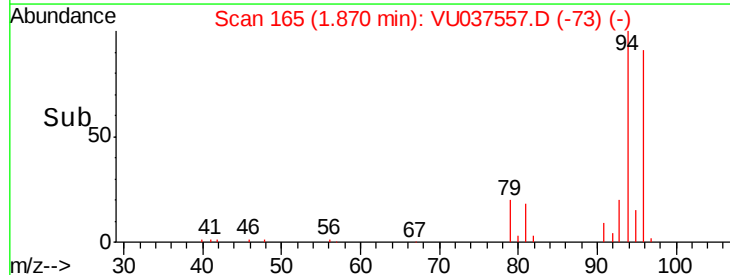
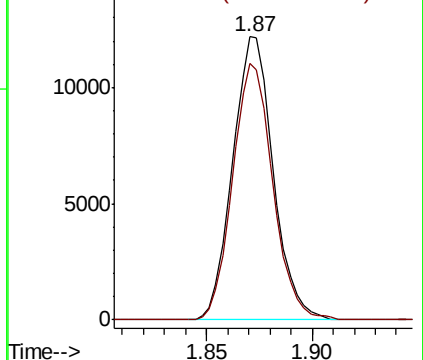
94 100

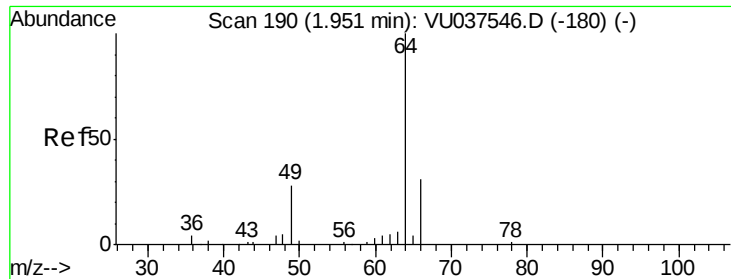
96 90.7 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU037546.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU037546.D (-157) (-)

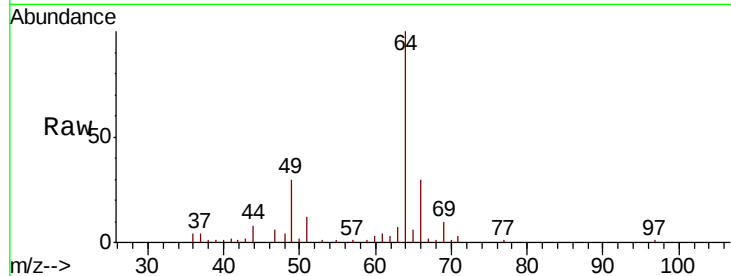




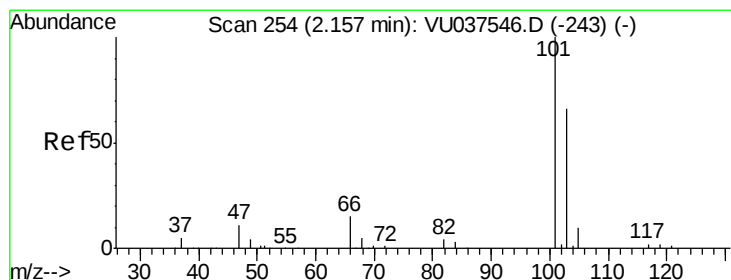
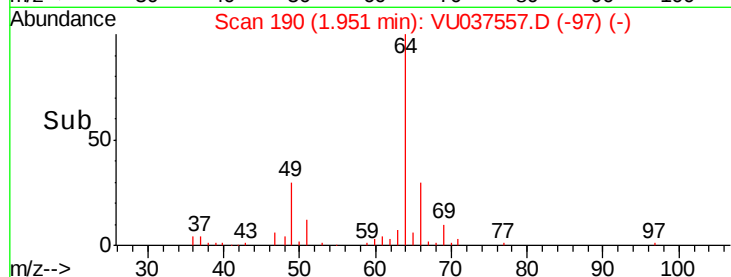
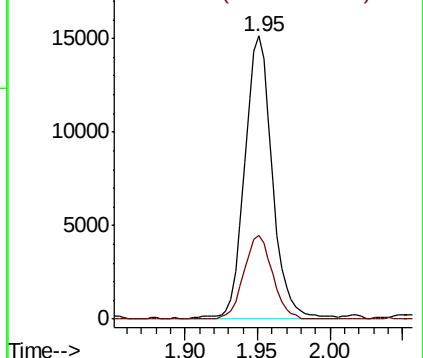
#8
Chloroethane
Concen: 4.629 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 20174
Ion Ratio Lower Upper
64 100
66 29.6 24.1 44.7

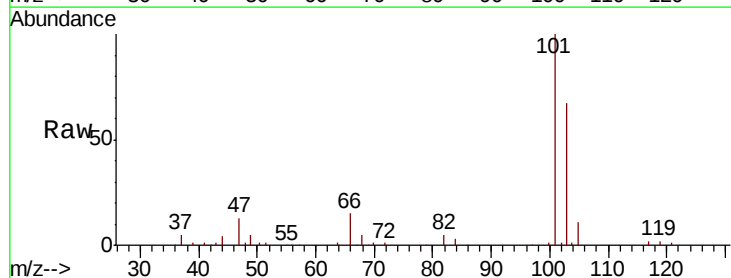


Abundance Ion 64.10 (63.80 to 64.80): VU037546.D (-180) (-)
Ion 66.05 (65.75 to 66.75): VU037546.D (-180) (-)

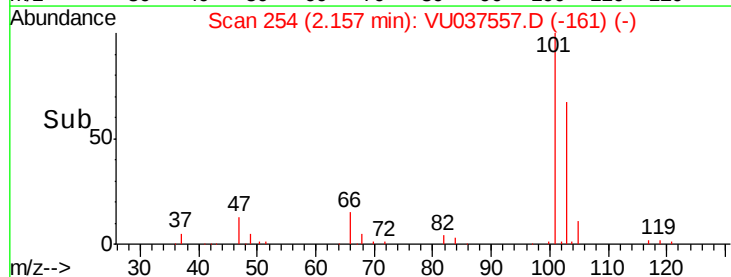
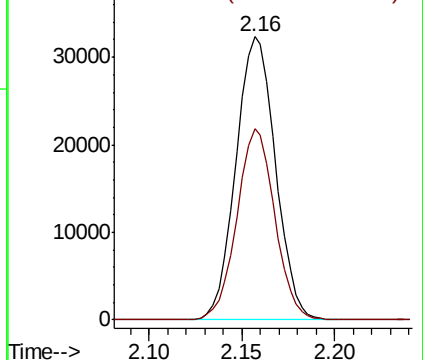


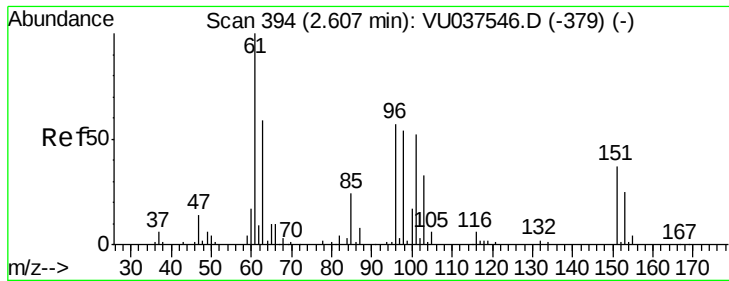
#9
Trichlorofluoromethane
Concen: 4.548 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

Tgt Ion:101 Resp: 47781
Ion Ratio Lower Upper
101 100
103 64.7 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VU037546.D (-243) (-)
Ion 103.00 (102.70 to 103.70): VU037546.D (-243) (-)





#10

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

Concen: 4.498 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

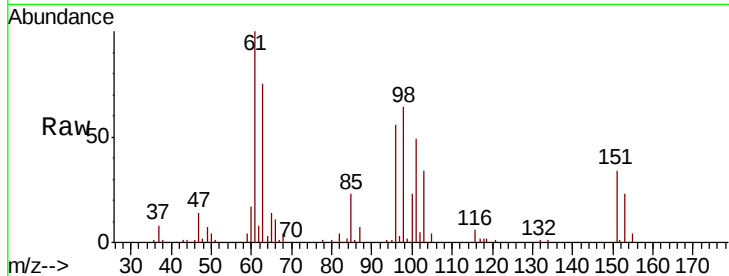
Tot Ion:101 Resp: 27120

Ion Ratio Lower Upper

101 100

85 47.1 35.8 53.8

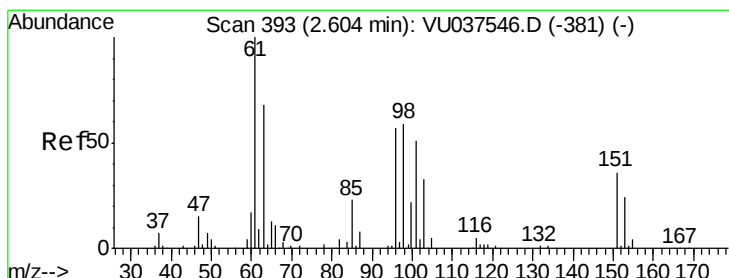
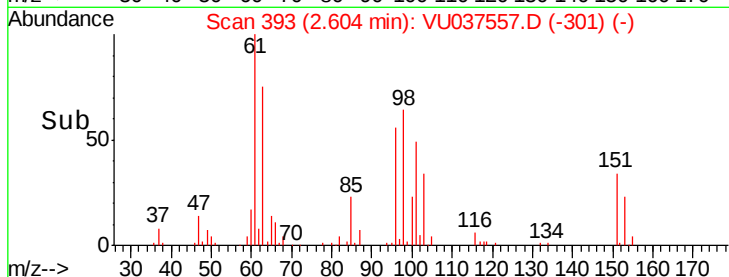
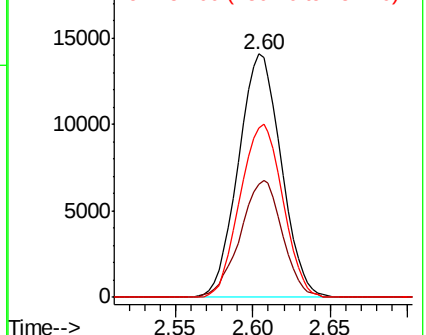
151 70.8 54.7 82.1



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: 4.518 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

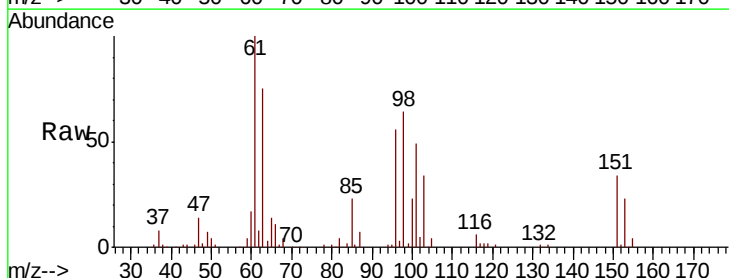
Tgt Ion: 96 Resp: 26319

Ion Ratio Lower Upper

96 100

61 177.9 123.4 229.2

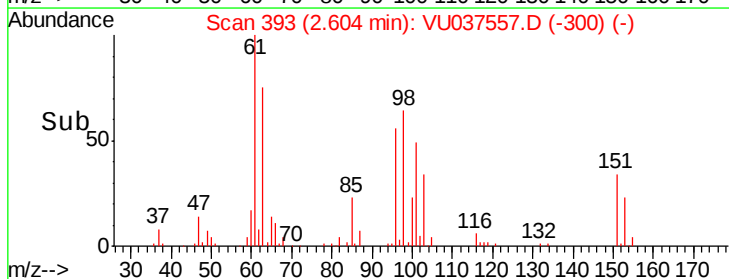
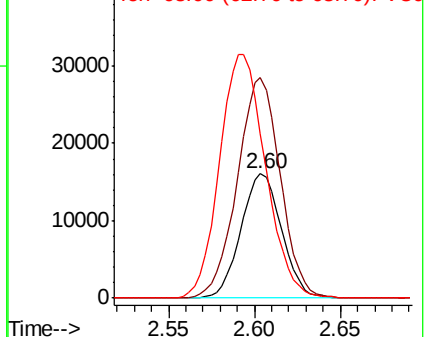
63 132.6 90.4 168.0

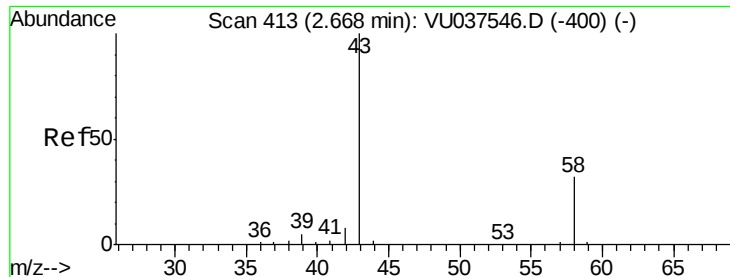


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 39.729 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

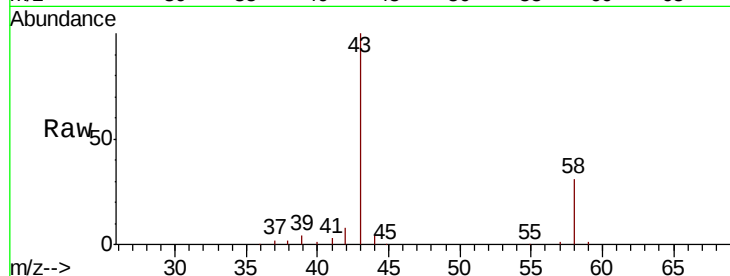
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 44842

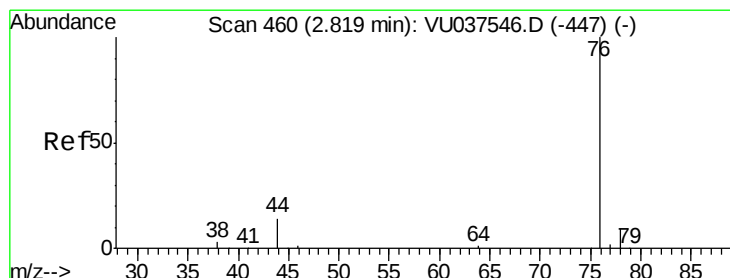
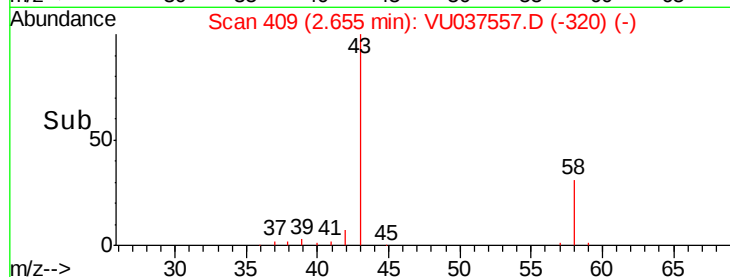
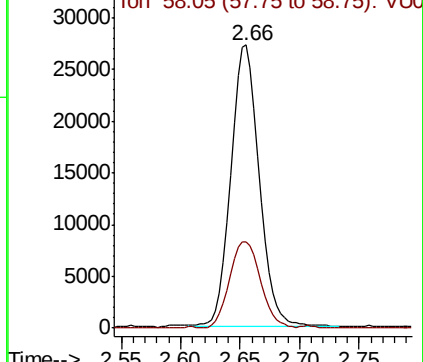
Ion Ratio Lower Upper

43 100

58 33.7 0.0 68.2



Abundance Ion 43.05 (42.75 to 43.75): VU037546.D (-400) (-)



#14

Carbon disulfide

Concen: 4.371 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037557.D

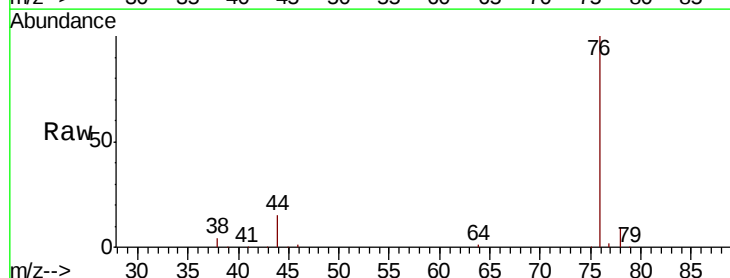
Acq: 02 Apr 2020 16:36

Tgt Ion: 76 Resp: 83639

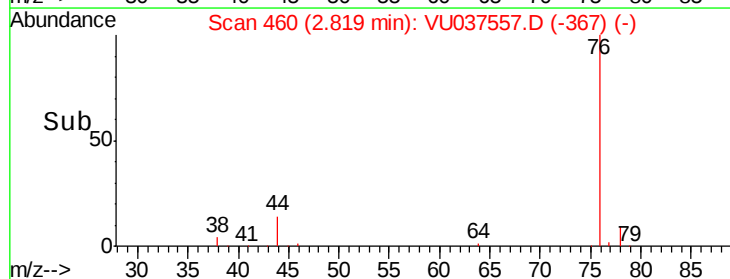
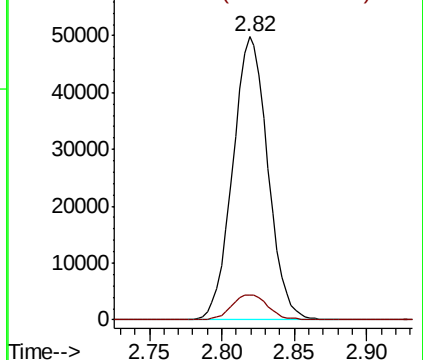
Ion Ratio Lower Upper

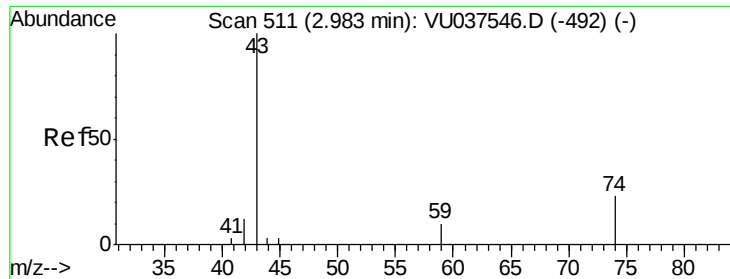
76 100

78 8.8 6.3 9.5



Abundance Ion 76.05 (75.75 to 76.75): VU037546.D (-447) (-)

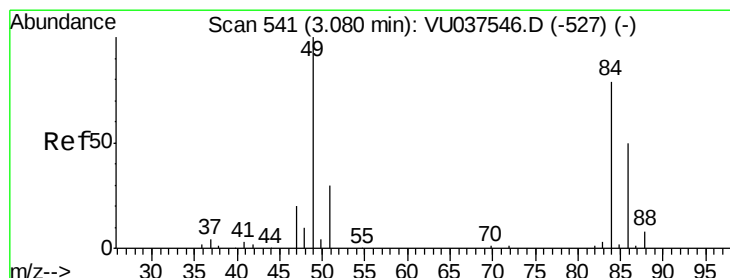
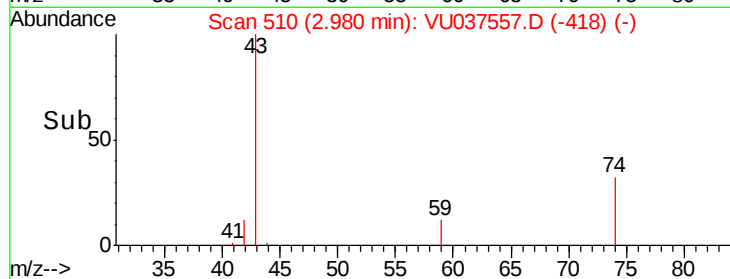
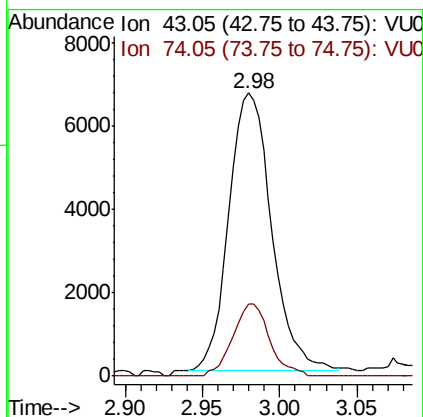
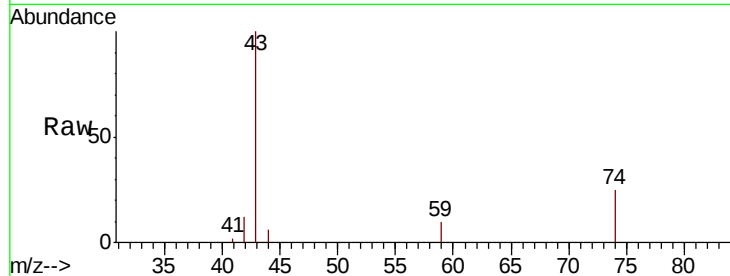




#15
Methyl Acetate
Concen: 3.836 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

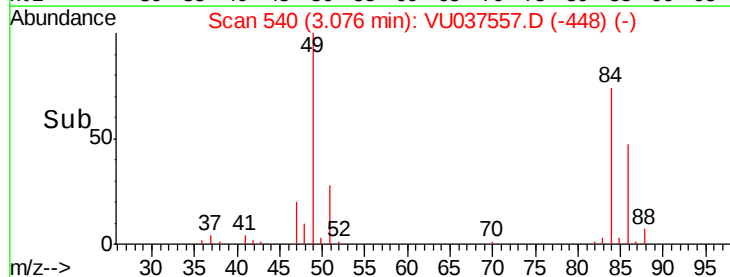
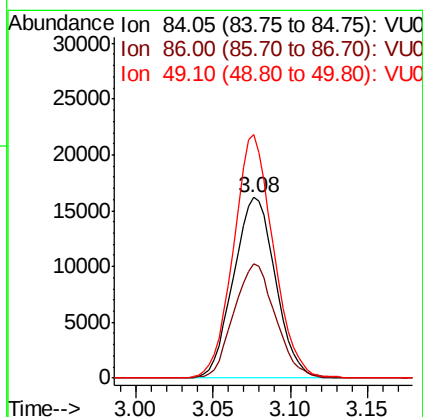
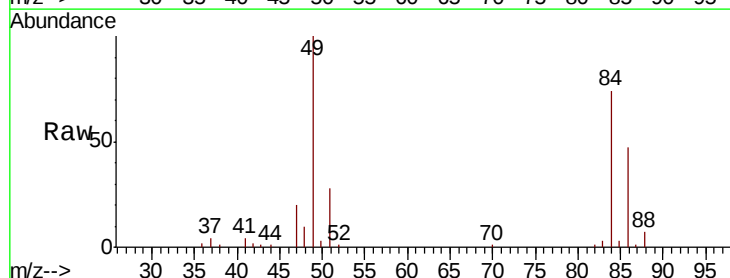
Instrument :
MSVOA_U
ClientSampleId :

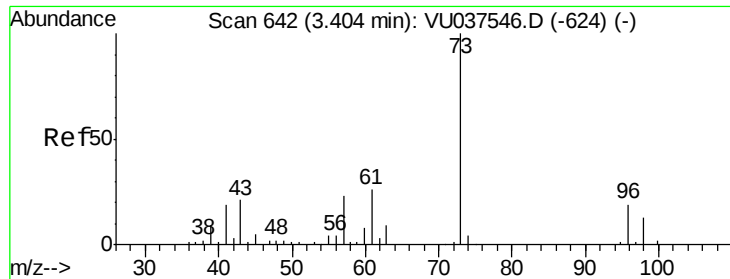
Tot Ion: 43 Resp: 12831
Ion Ratio Lower Upper
43 100
74 22.4 16.8 25.2



#16
Methylene chloride
Concen: 4.464 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

Tgt Ion: 84 Resp: 30516
Ion Ratio Lower Upper
84 100
86 63.3 41.6 77.3
49 134.9 97.0 180.2



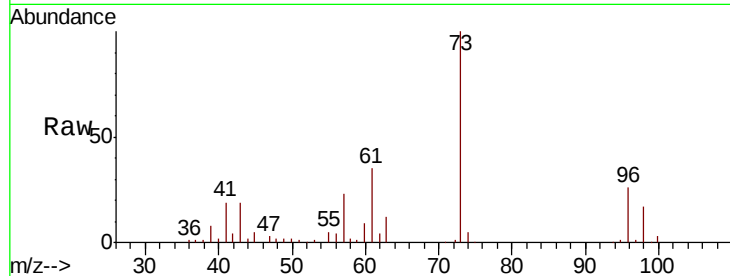


#17

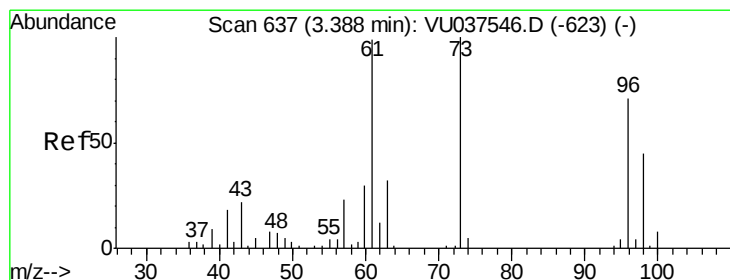
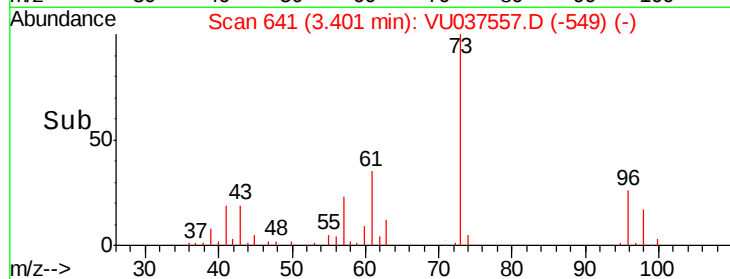
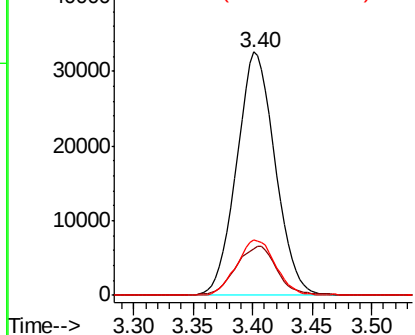
Methvl tert-butvl Ether
 Concen: 4.462 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 73 Resp: 73061
 Ion Ratio Lower Upper
 73 100
 43 21.7 18.0 27.0
 57 23.0 19.0 28.6



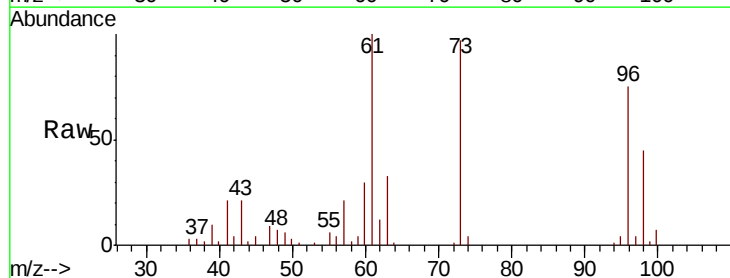
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



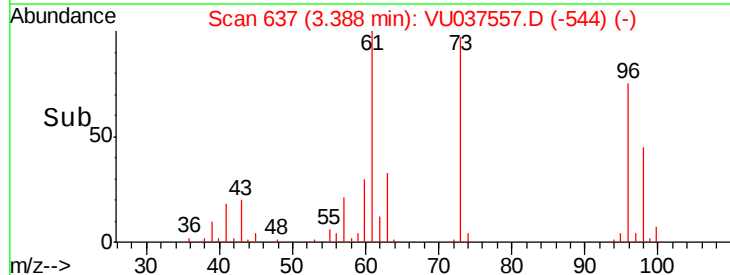
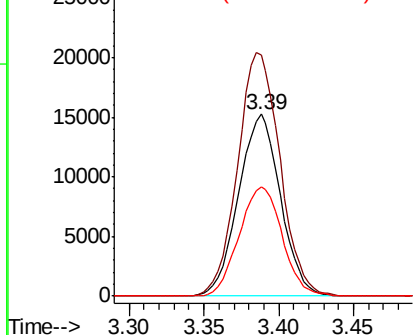
#18

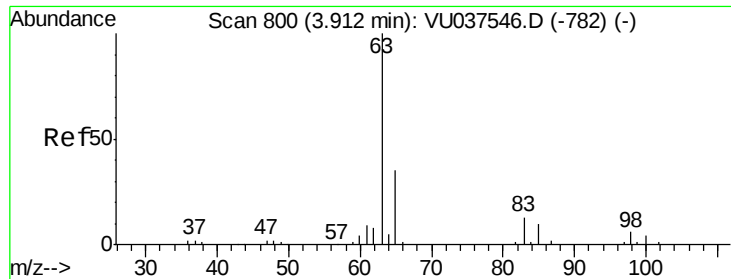
trans-1,2-Dichloroethene
 Concen: 4.702 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

Tgt Ion: 96 Resp: 29765
 Ion Ratio Lower Upper
 96 100
 61 133.0 97.4 181.0
 98 60.0 42.4 78.6



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

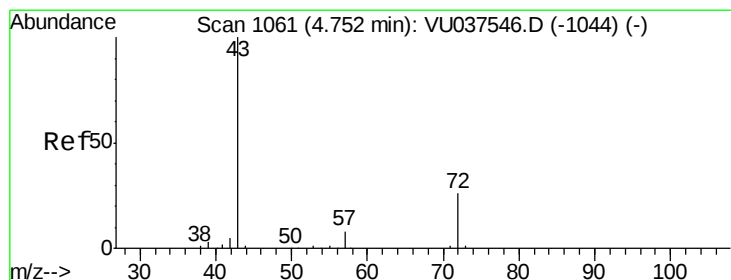
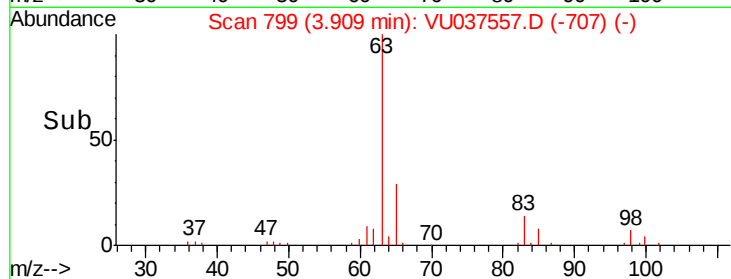
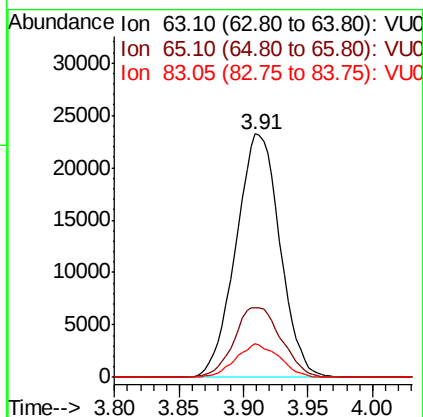
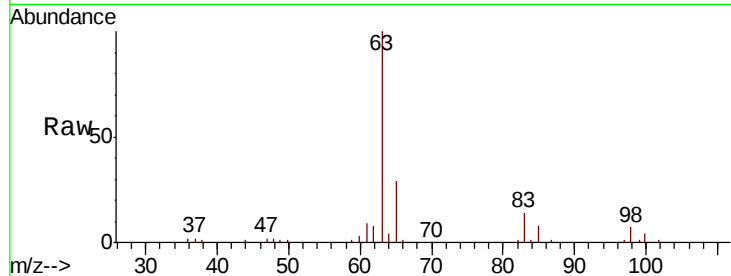




#19
 1,1-Dichloroethane
 Concen: 4.645 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

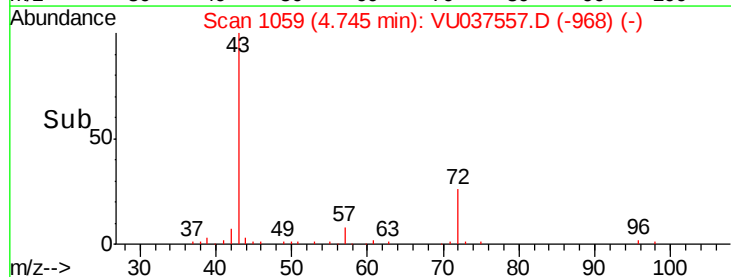
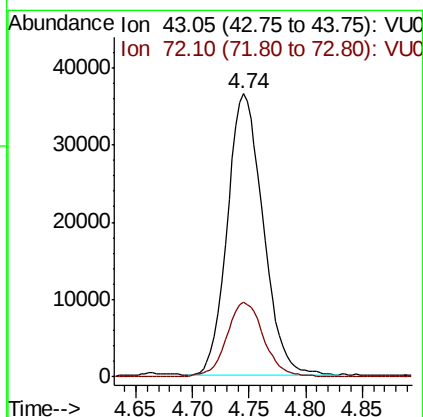
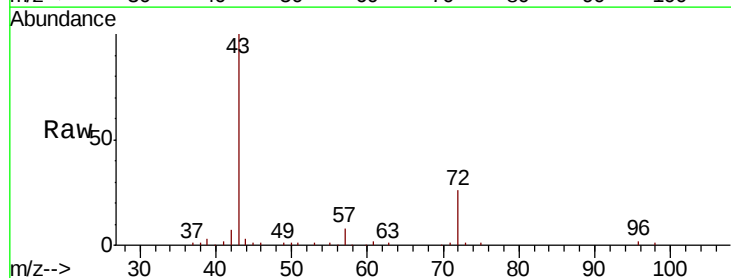
Instrument :
 MSVOA_U
 ClientSampleId :

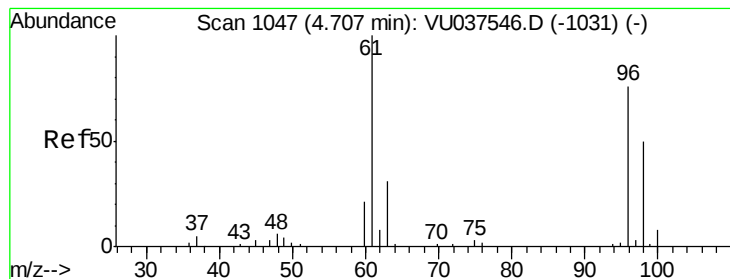
Tot Ion: 63 Resp: 55173
 Ion Ratio Lower Upper
 63 100
 65 28.8 19.9 36.9
 83 13.7 10.1 18.7



#21
 2-Butanone
 Concen: 40.214 ug/L
 RT: 4.74 min Scan# 1059
 Delta R.T. -0.01 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

Tgt Ion: 43 Resp: 79847
 Ion Ratio Lower Upper
 43 100
 72 27.5 13.1 39.1





#22

cis-1,2-Dichloroethene

Concen: 4.515 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

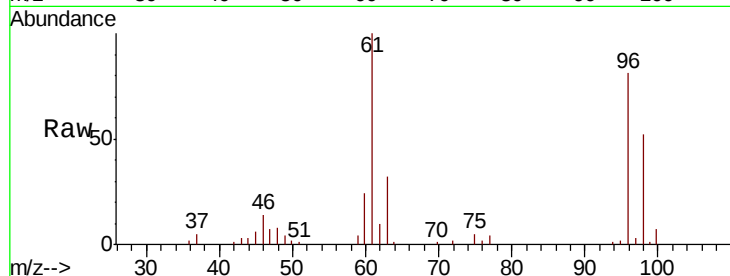
Tot Ion: 96 Resp: 31164

Ion Ratio Lower Upper

96 100

61 124.2 92.0 170.9

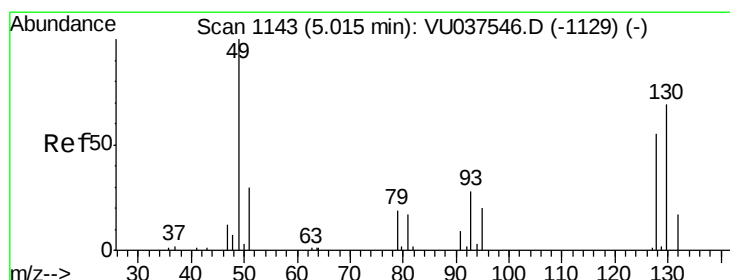
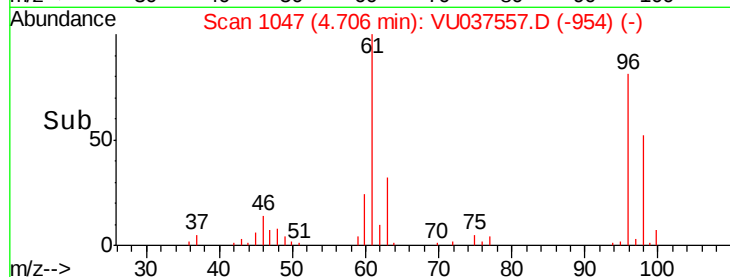
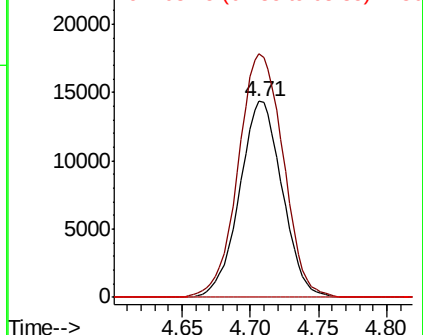
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037546.D (-1031) (-)

Ion 61.05 (60.75 to 61.75): VU037546.D (-1031) (-)

Ion 68.15 (67.85 to 68.85): VU037546.D (-1031) (-)



#23

Bromochloromethane

Concen: 4.440 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

Tgt Ion: 128 Resp: 13355

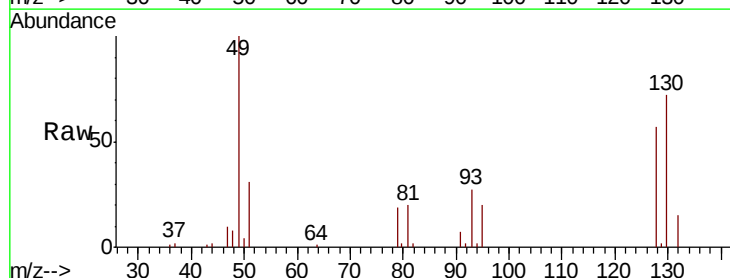
Ion Ratio Lower Upper

128 100

49 174.4 133.7 248.3

130 125.2 90.6 168.2

51 53.9 45.2 67.8

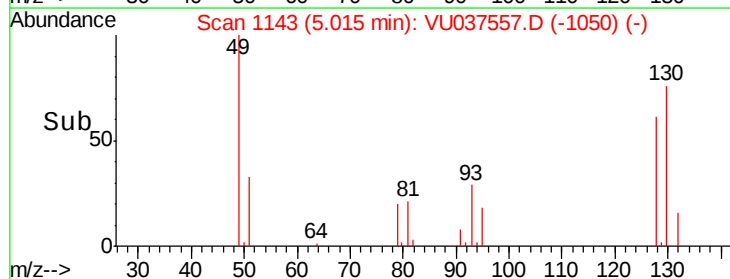
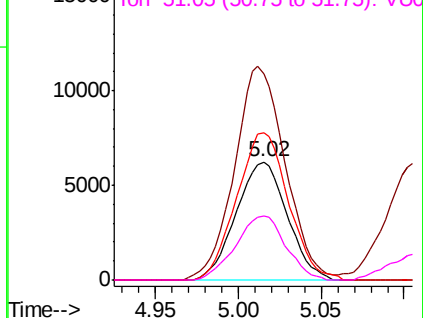


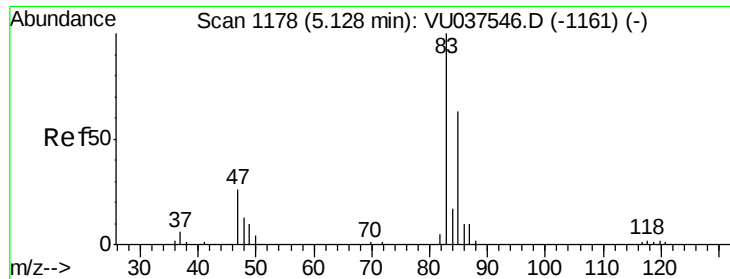
Abundance Ion 127.90 (127.60 to 128.60): VU037546.D (-1129) (-)

Ion 49.10 (48.80 to 49.80): VU037546.D (-1129) (-)

Ion 129.95 (129.65 to 130.65): VU037546.D (-1129) (-)

Ion 51.05 (50.75 to 51.75): VU037546.D (-1129) (-)

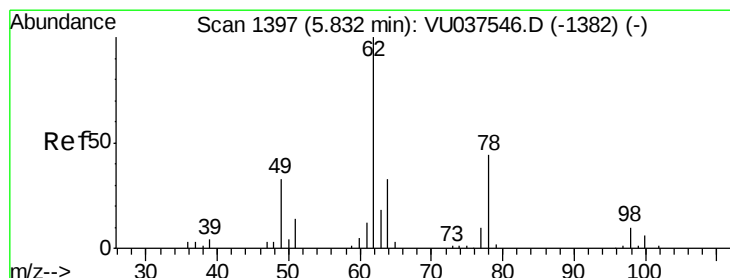
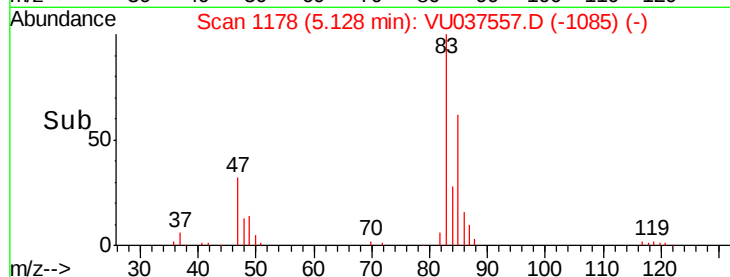
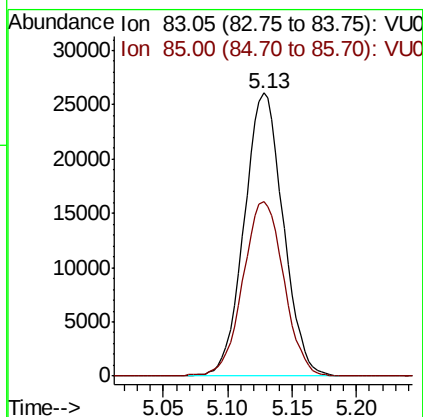
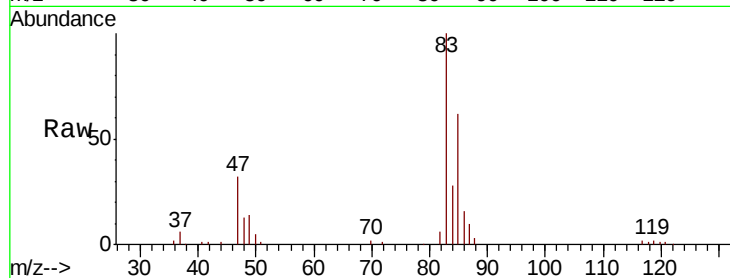




#25
Chloroform
Concen: 4.497 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

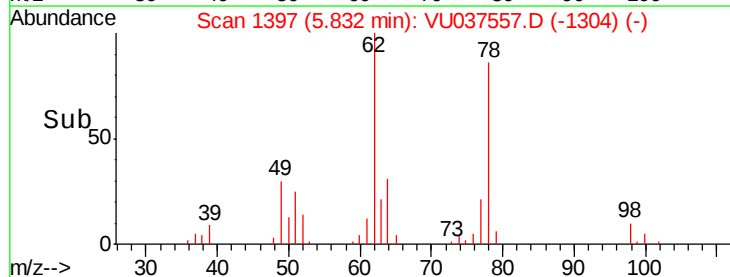
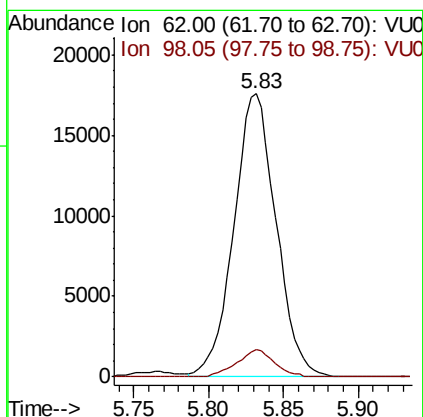
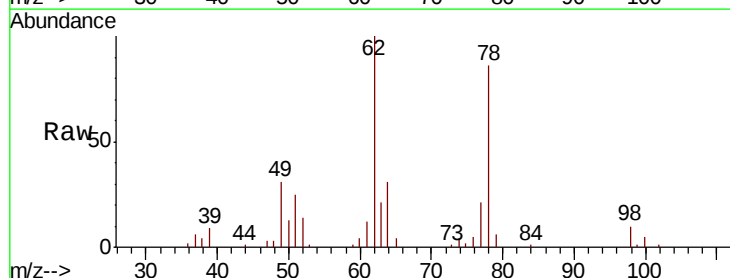
Instrument :
MSVOA_U
ClientSampled :

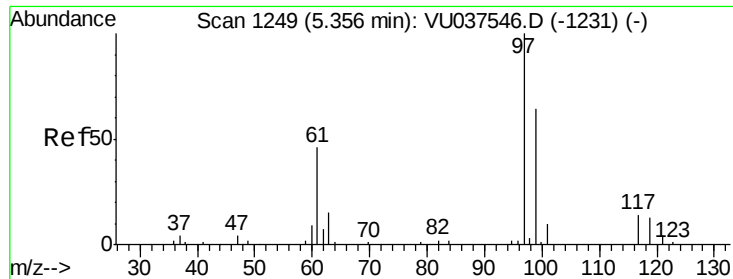
Tot Ion: 83 Resp: 55025
Ion Ratio Lower Upper
83 100
85 61.6 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.406 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

Tgt Ion: 62 Resp: 34587
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9

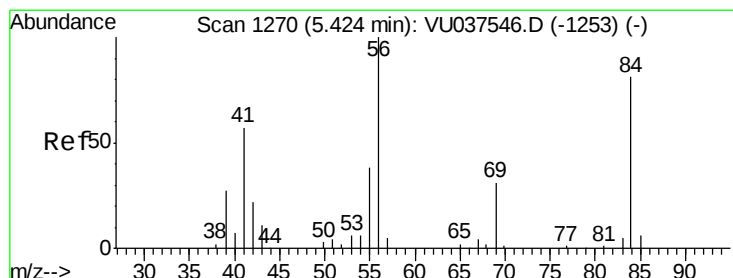
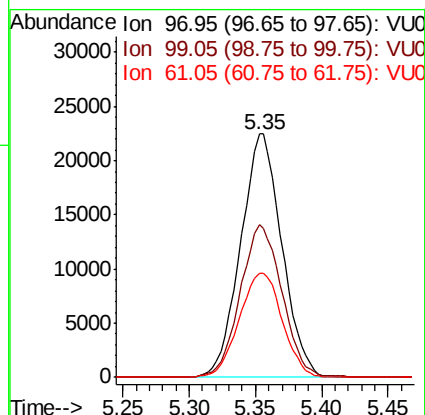
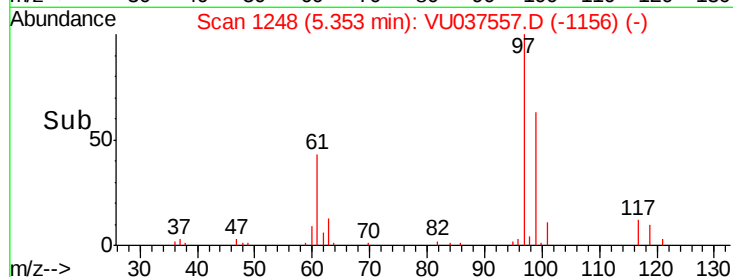
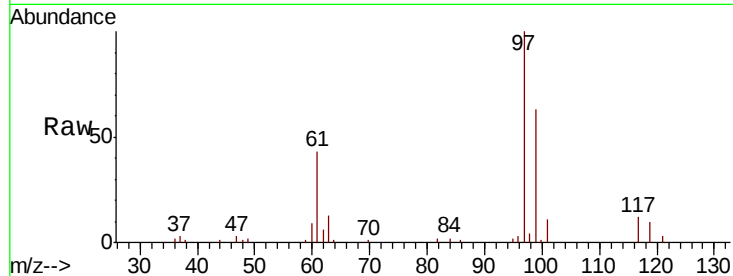




#29
 1,1,1-Trichloroethane
 Concen: 4.443 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

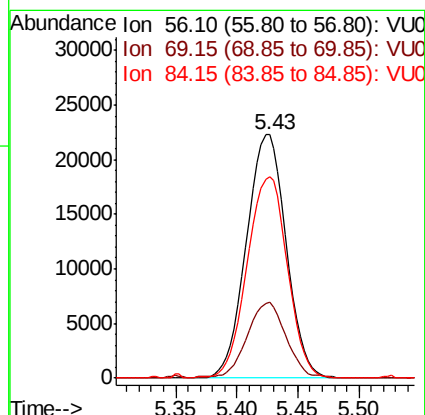
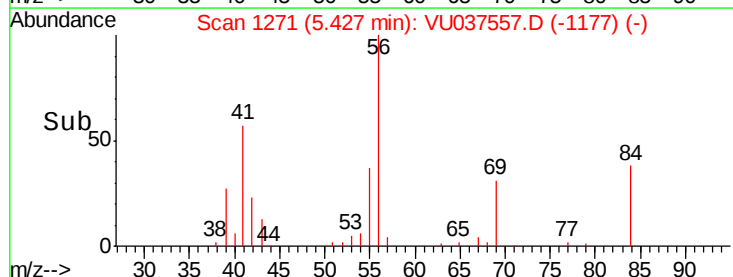
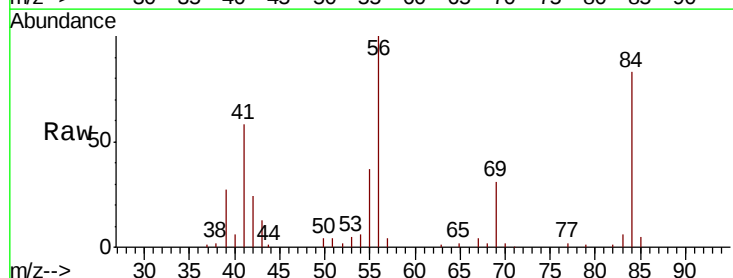
Instrument :
 MSVOA_U
 ClientSampleId :

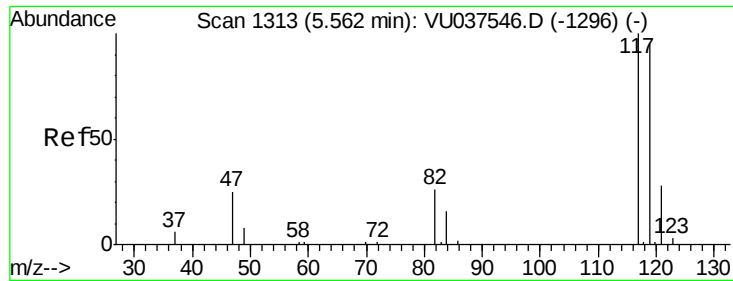
Tot Ion: 97 Resp: 48434
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.6 76.0
 61 44.7 35.2 52.8



#30
 Cyclohexane
 Concen: 4.243 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

Tgt Ion: 56 Resp: 50225
 Ion Ratio Lower Upper
 56 100
 69 30.3 23.9 35.9
 84 83.9 65.6 98.4

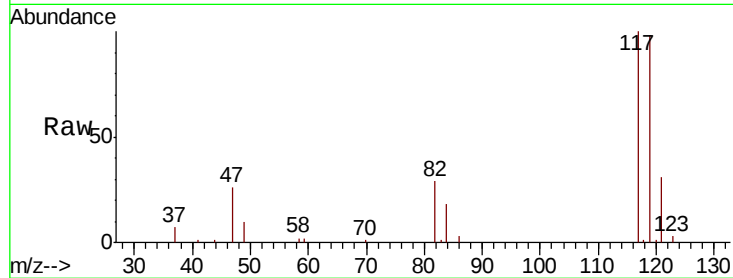




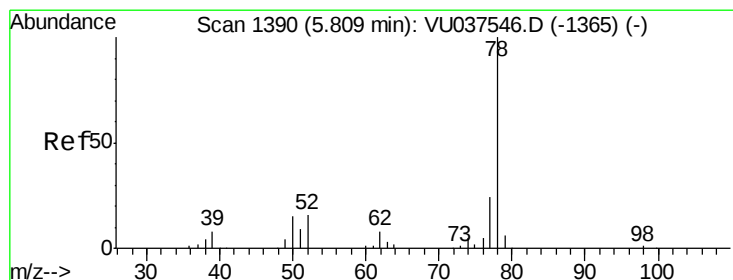
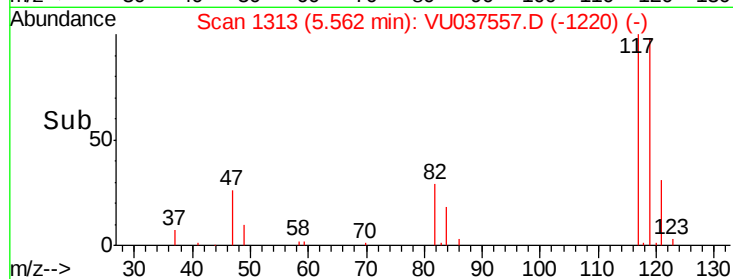
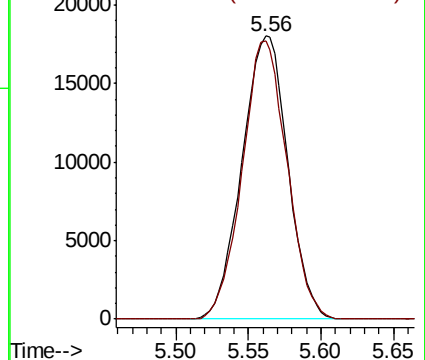
#31
Carbon tetrachloride
Concen: 4.474 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. -0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 39657
Ion Ratio Lower Upper
117 100
119 95.8 76.6 114.8

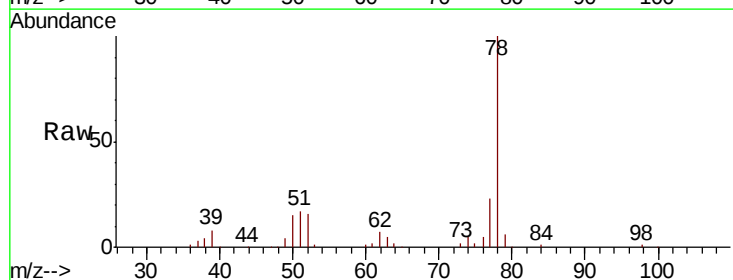


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

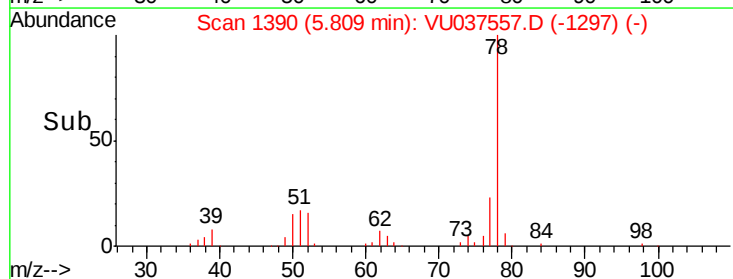
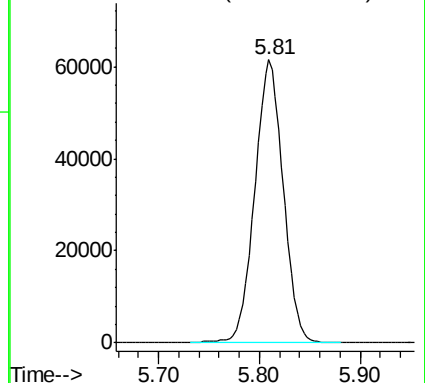


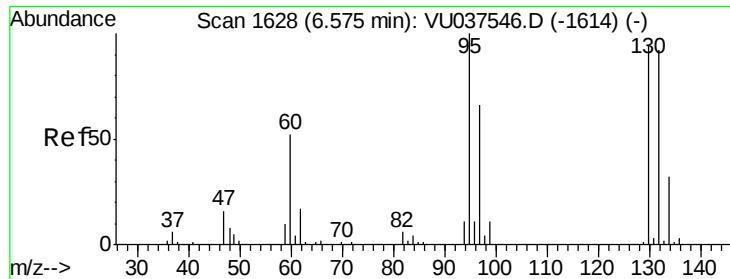
#33
Benzene
Concen: 4.468 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

Tgt Ion: 78 Resp: 120116



Abundance Ion 78.10 (77.80 to 78.80): VU0

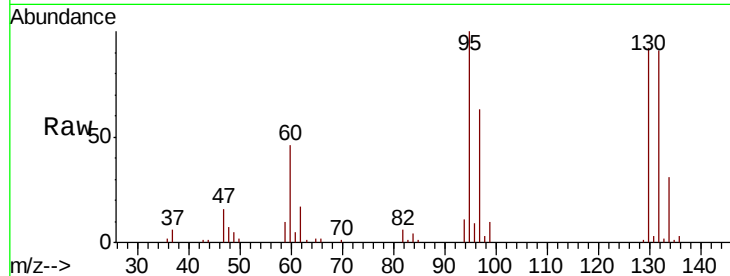




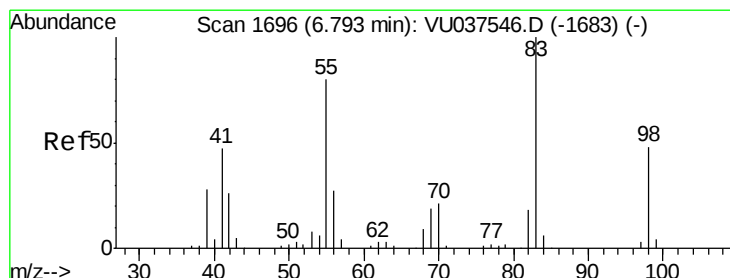
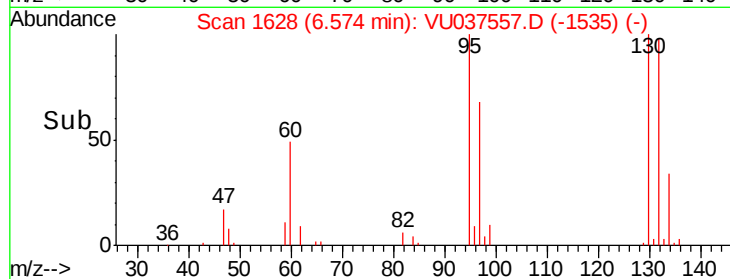
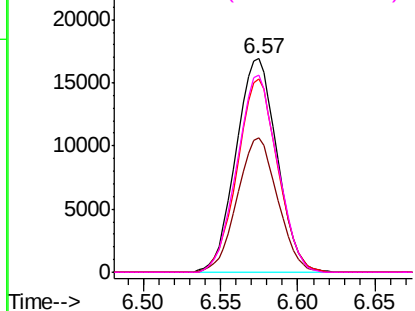
#34
 Trichloroethene
 Concen: 4.423 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 31373
 Ion Ratio Lower Upper
 95 100
 97 62.7 44.0 81.8
 132 90.6 61.9 114.9
 130 92.3 62.7 116.5

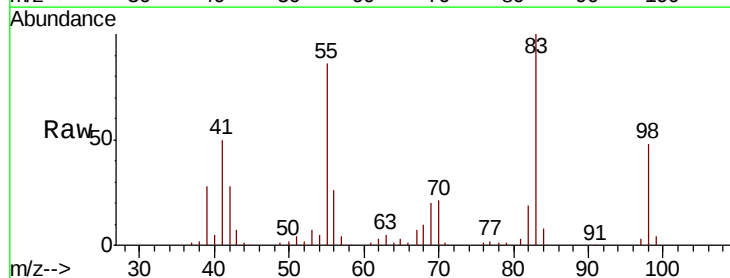


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

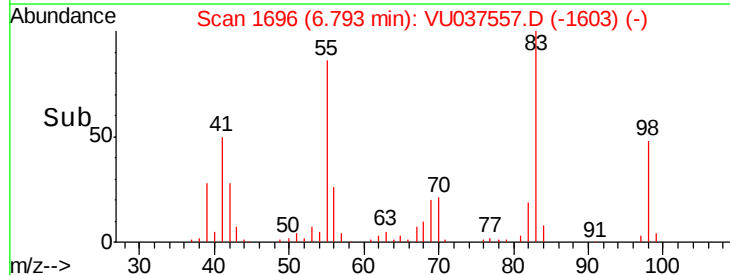
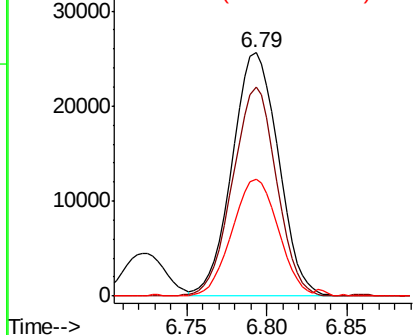


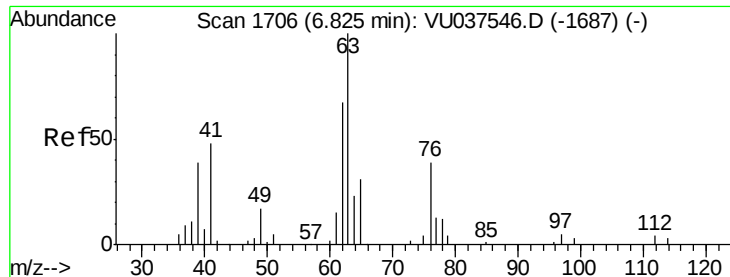
#35
 Methylcyclohexane
 Concen: 4.262 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

Tgt Ion: 83 Resp: 50604
 Ion Ratio Lower Upper
 83 100
 55 81.6 63.0 94.6
 98 48.0 35.3 52.9



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

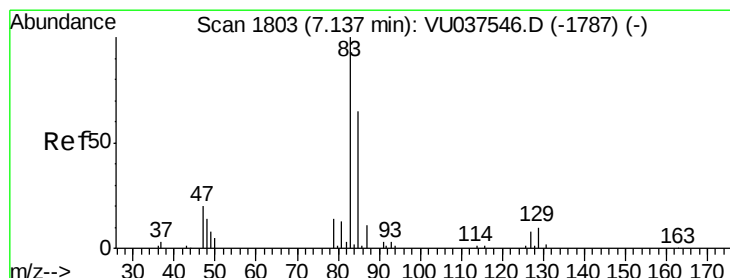
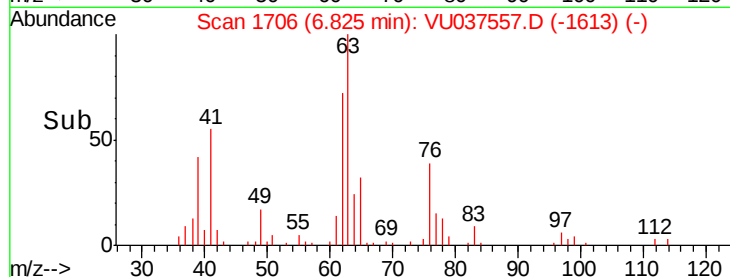
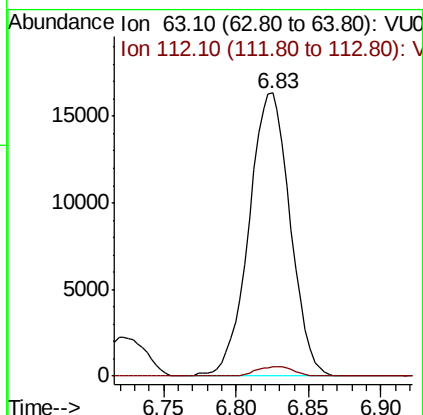
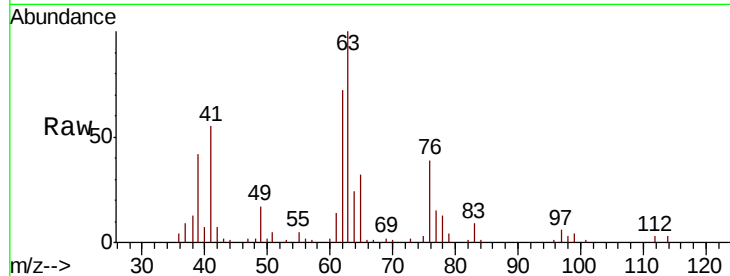




#37
 1,2-Dichloropropane
 Concen: 4.448 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

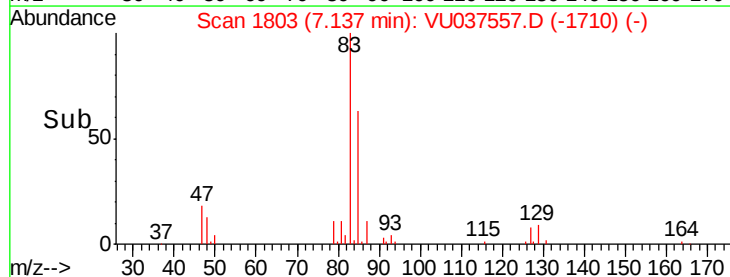
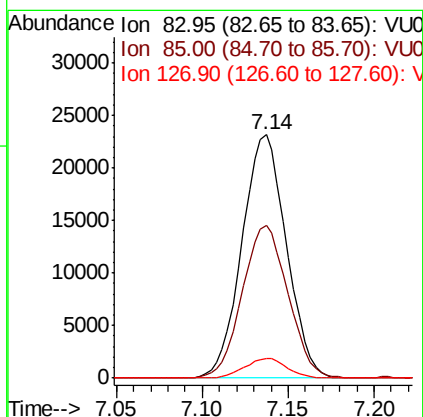
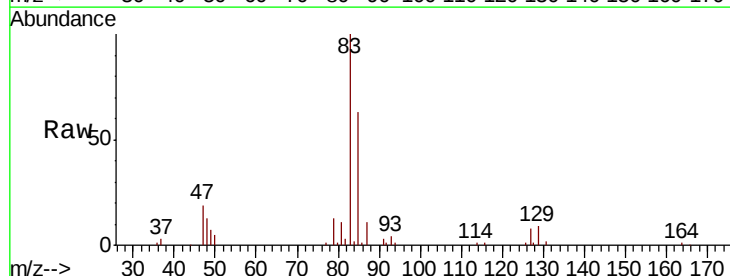
Instrument :
 MSVOA_U
 ClientSampleId :

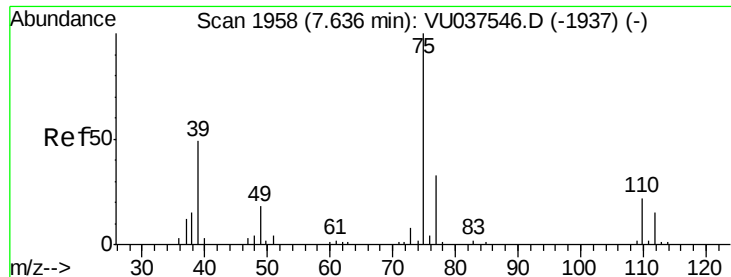
Tot Ion: 63 Resp: 32272
 Ion Ratio Lower Upper
 63 100
 112 3.0 2.6 3.8



#38
 Bromodichloromethane
 Concen: 4.469 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

Tgt Ion: 83 Resp: 41381
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.4 82.5
 127 7.9 6.5 9.7

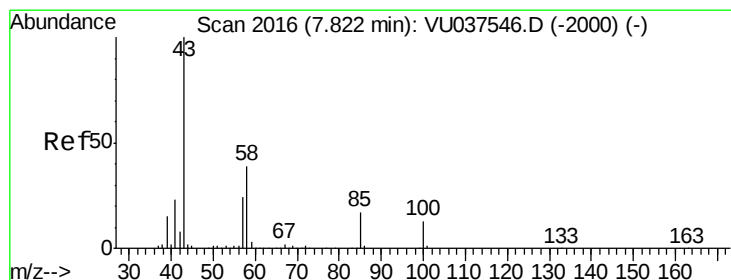
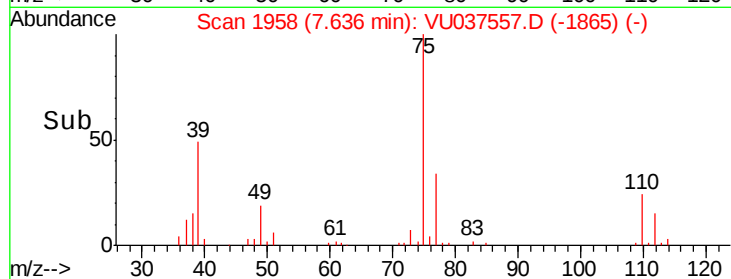
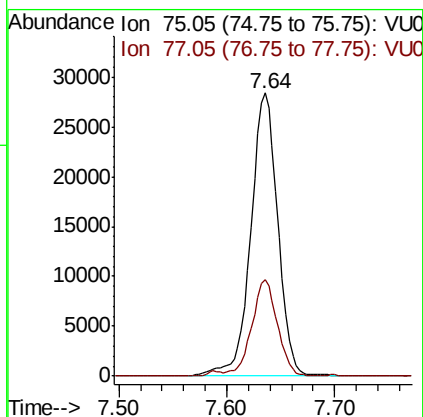
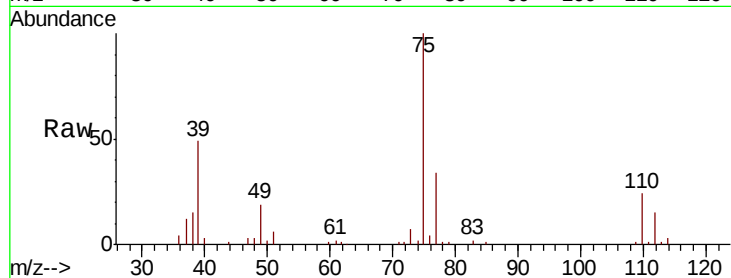




#39
 cis-1,3-Dichloropropene
 Concen: 4.444 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

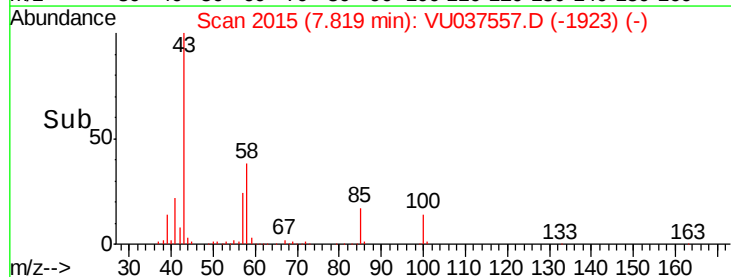
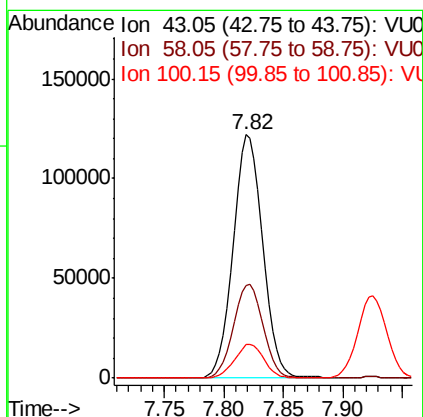
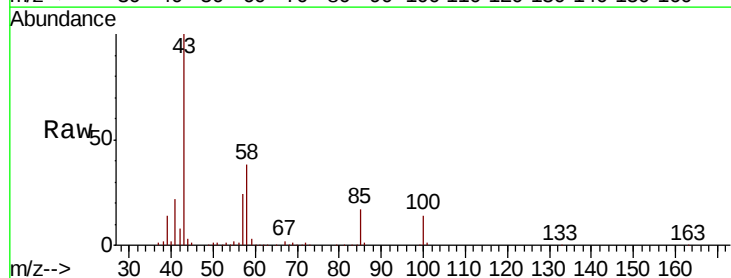
Instrument :
 MSVOA_U
 ClientSampleId :

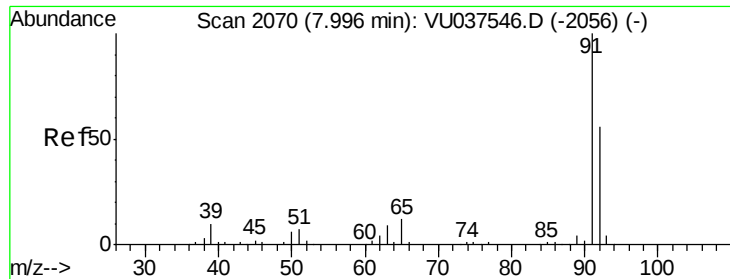
Tot Ion: 75 Resp: 49341
 Ion Ratio Lower Upper
 75 100
 77 34.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 41.591 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

Tgt Ion: 43 Resp: 210181
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.7 47.5
 100 13.7 11.0 16.6





#42

Toluene

Concen: 4.500 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

Instrument :

MSVOA_U

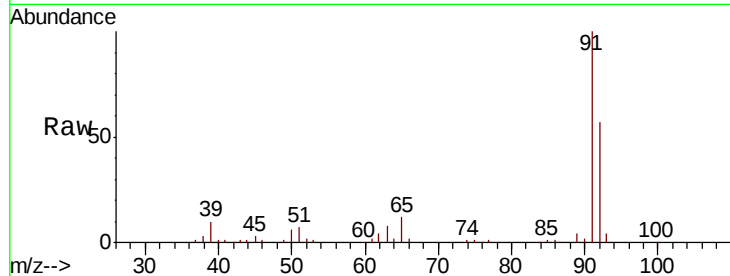
ClientSampleId :

Tot Ion: 91 Resp: 128573

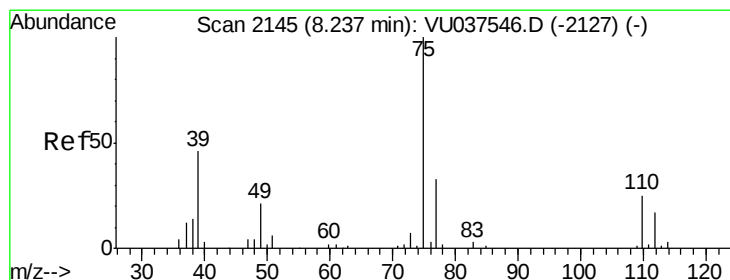
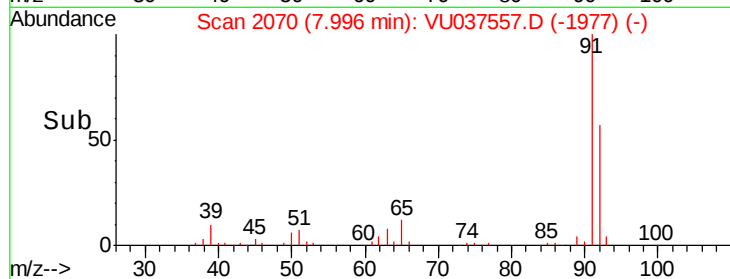
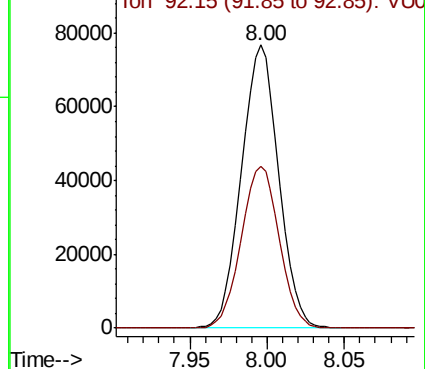
Ion Ratio Lower Upper

91 100

92 57.3 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU037546.D (-2056) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.393 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037557.D

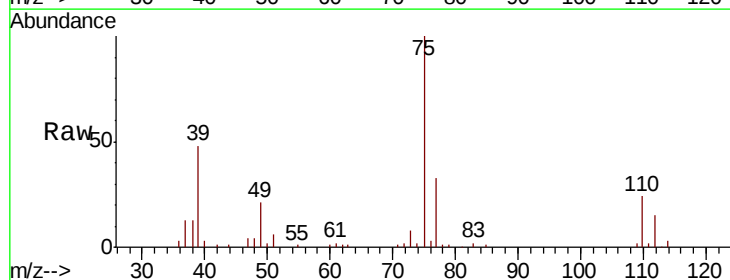
Acq: 02 Apr 2020 16:36

Tgt Ion: 75 Resp: 42782

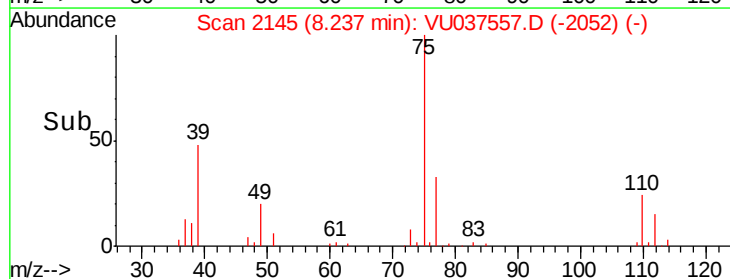
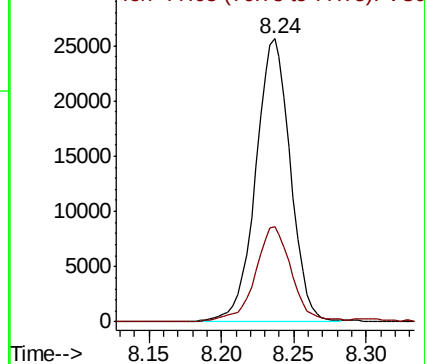
Ion Ratio Lower Upper

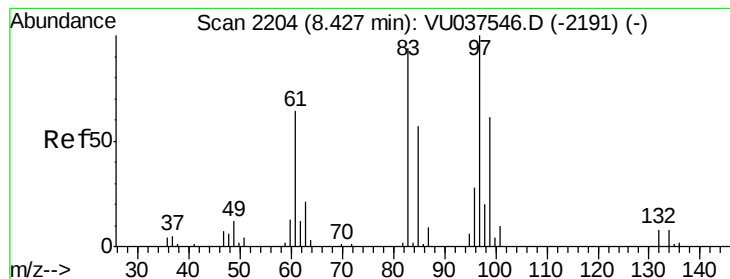
75 100

77 33.5 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU037546.D (-2127) (-)





#45

1,1,2-Trichloroethane

Concen: 4.239 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 21510

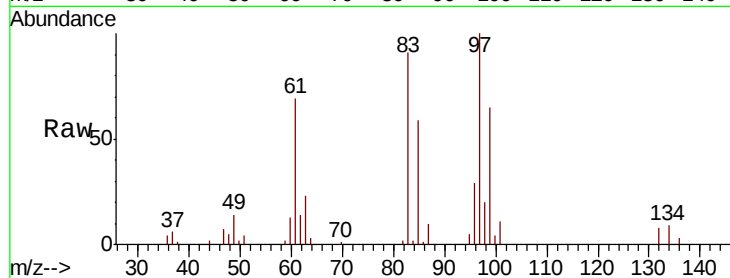
Ion Ratio Lower Upper

97 100

99 64.7 42.8 79.4

83 91.4 61.0 113.4

85 58.7 39.8 73.8

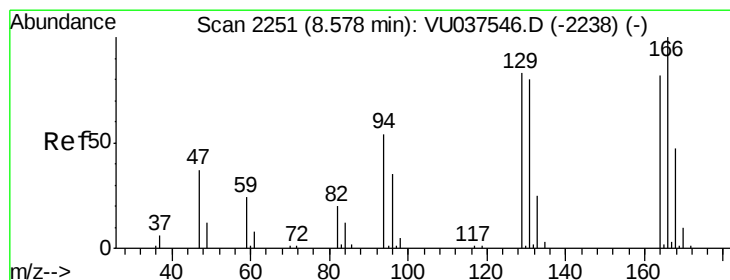
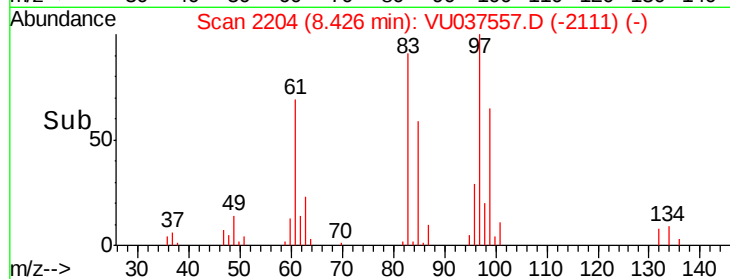
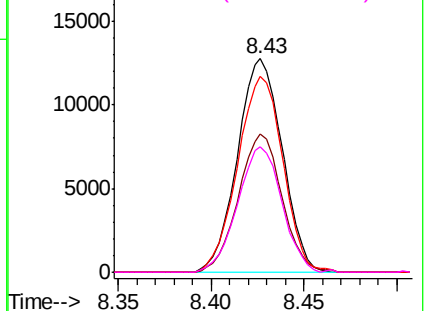


Abundance Ion 96.95 (96.65 to 97.65): VU037546.D (-2191) (-)

Ion 99.05 (98.75 to 99.75): VU037546.D (-2191) (-)

Ion 82.95 (82.65 to 83.65): VU037546.D (-2191) (-)

Ion 85.00 (84.70 to 85.70): VU037546.D (-2191) (-)



#47

Tetrachloroethene

Concen: 4.558 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

Tgt Ion: 164 Resp: 21152

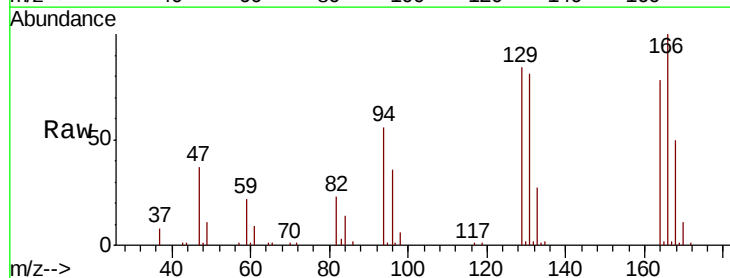
Ion Ratio Lower Upper

164 100

129 108.1 70.4 130.8

131 103.6 64.4 119.6

166 128.5 87.1 161.7

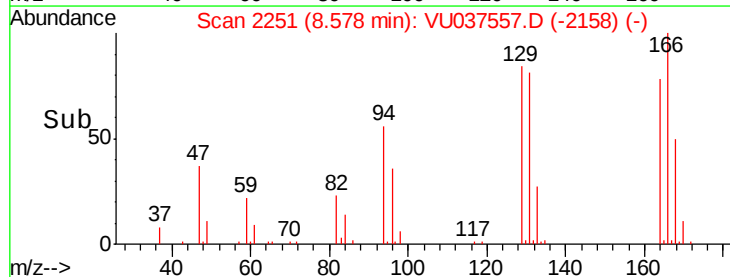
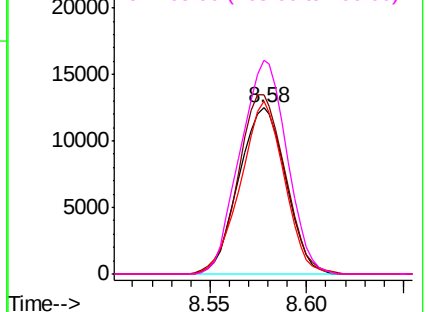


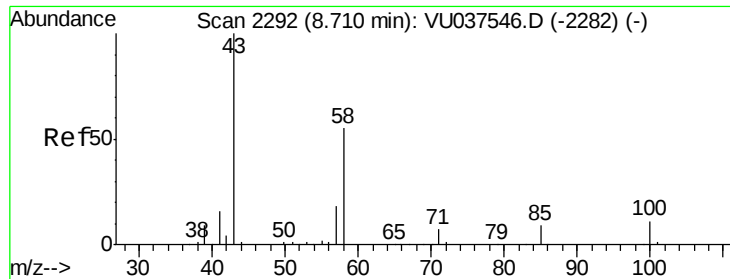
Abundance Ion 163.90 (163.60 to 164.60): VU037546.D (-2238) (-)

Ion 128.95 (128.65 to 129.65): VU037546.D (-2238) (-)

Ion 130.95 (130.65 to 131.65): VU037546.D (-2238) (-)

Ion 165.90 (165.60 to 166.60): VU037546.D (-2238) (-)

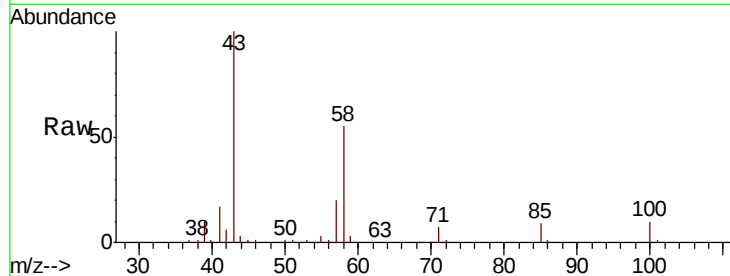




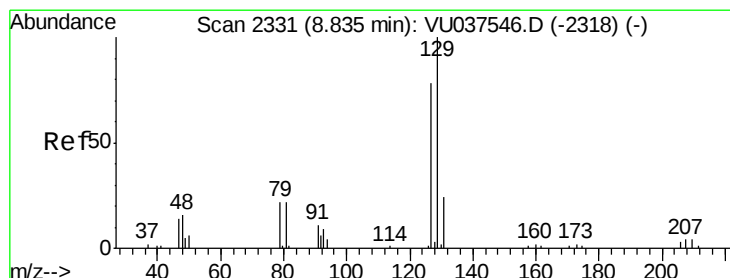
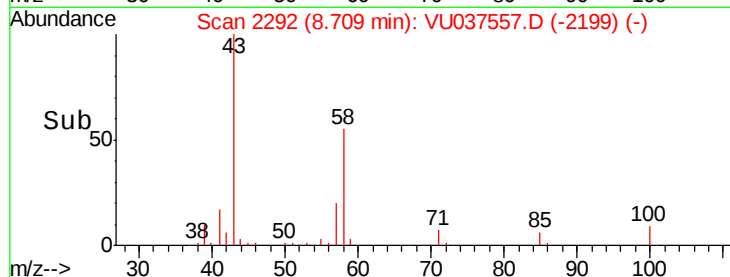
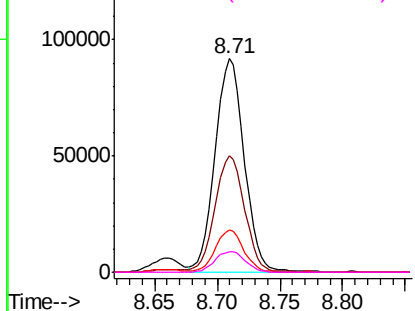
#48
2-Hexanone
Concen: 40.389 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 147832
Ion Ratio Lower Upper
43 100
58 55.7 45.0 67.6
57 19.3 14.9 22.3
100 10.1 8.4 12.6

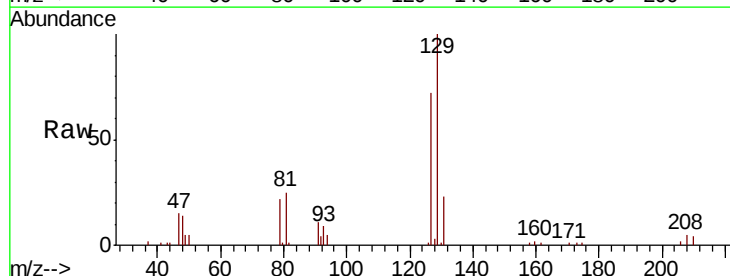


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

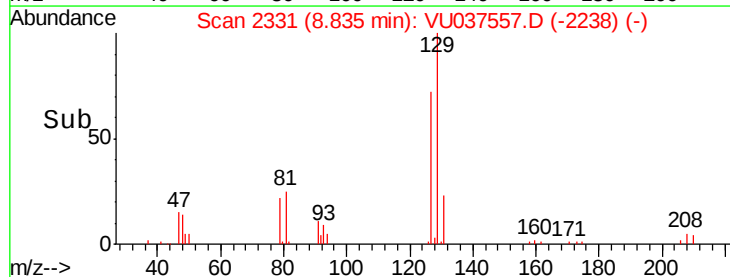
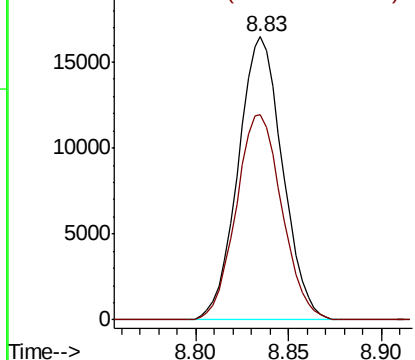


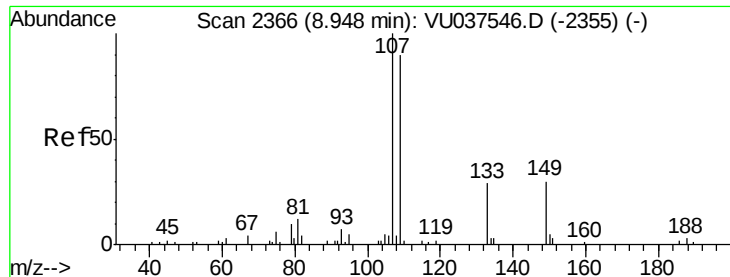
#49
Dibromochloromethane
Concen: 4.526 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

Tgt Ion: 129 Resp: 27353
Ion Ratio Lower Upper
129 100
127 72.5 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

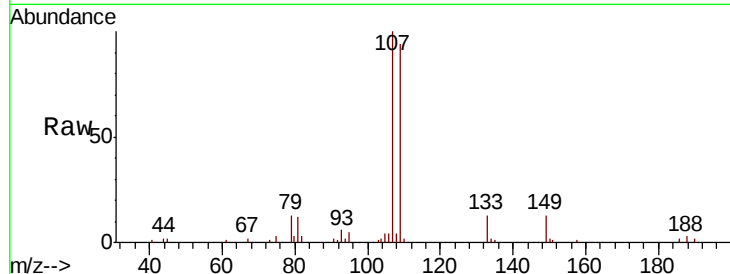




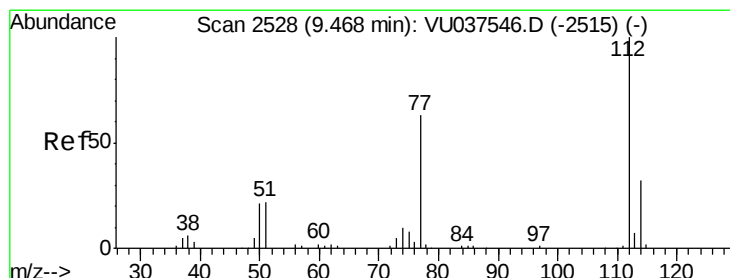
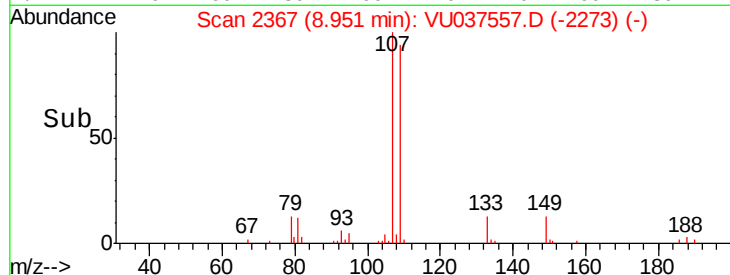
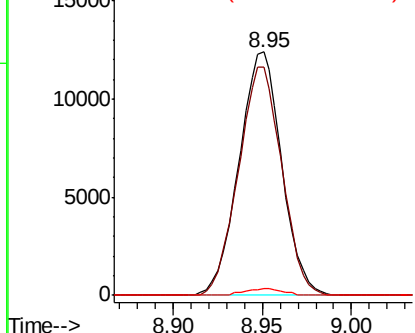
#50
1,2-Dibromoethane
Concen: 4.205 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 20754
Ion Ratio Lower Upper
107 100
109 93.7 68.9 127.9
188 2.7 2.2 3.4

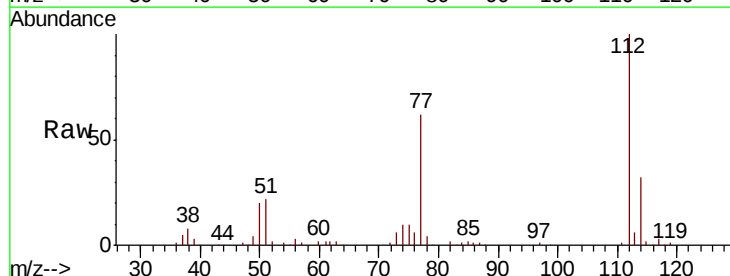


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

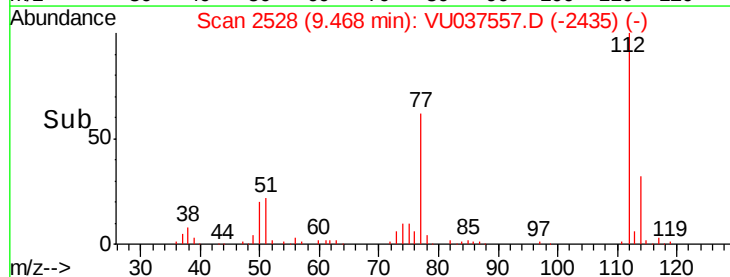
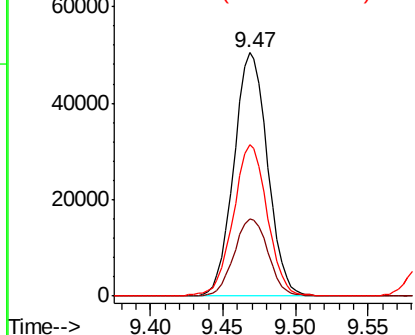


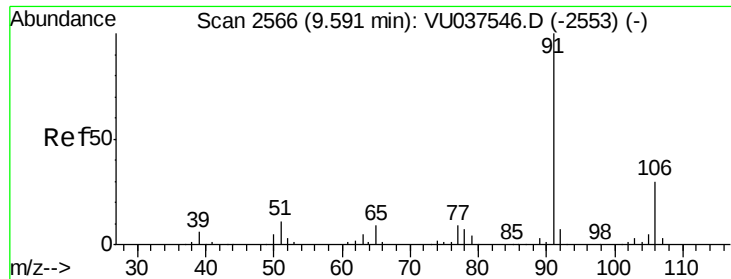
#51
Chlorobenzene
Concen: 4.620 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

Tgt Ion:112 Resp: 81466
Ion Ratio Lower Upper
112 100
114 31.6 22.4 41.6
77 62.3 50.7 76.1



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: 4.472 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

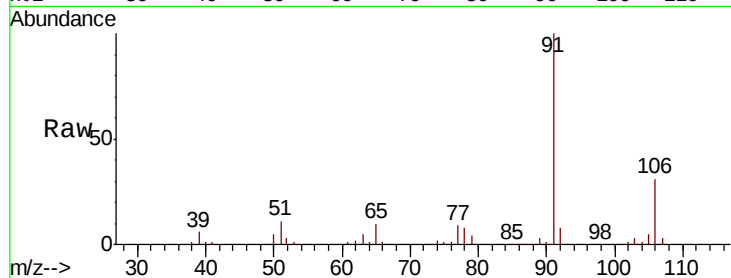
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 145592

Ion Ratio Lower Upper

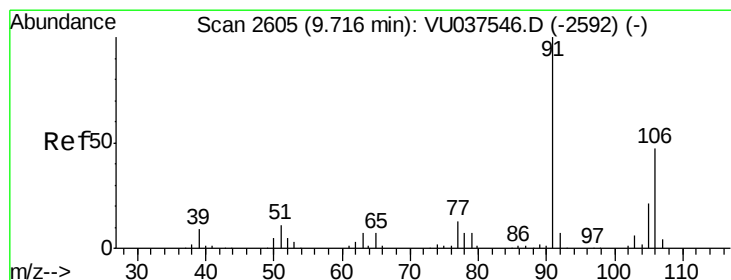
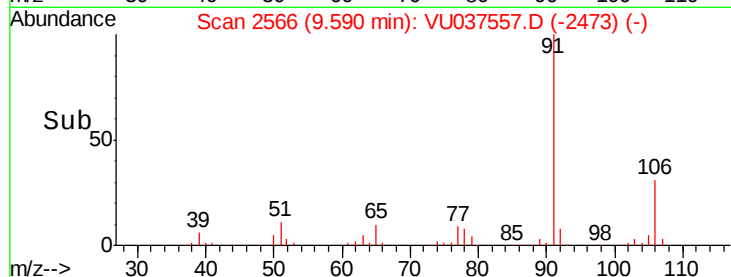
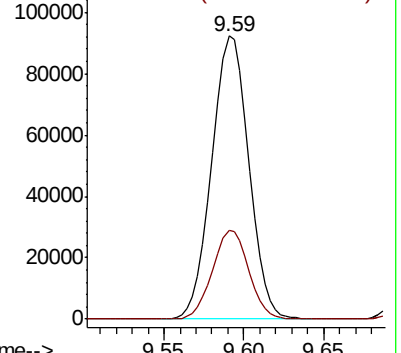
91 100

106 31.2 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 4.437 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU037557.D

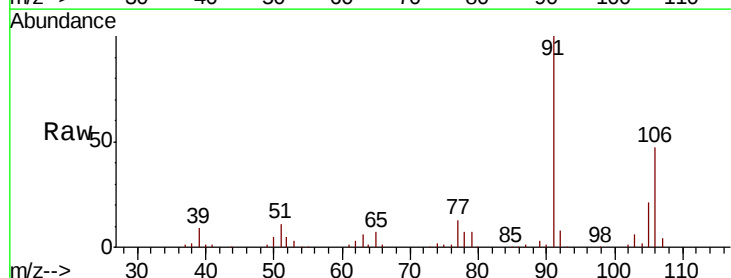
Acq: 02 Apr 2020 16:36

Tgt Ion:106 Resp: 54289

Ion Ratio Lower Upper

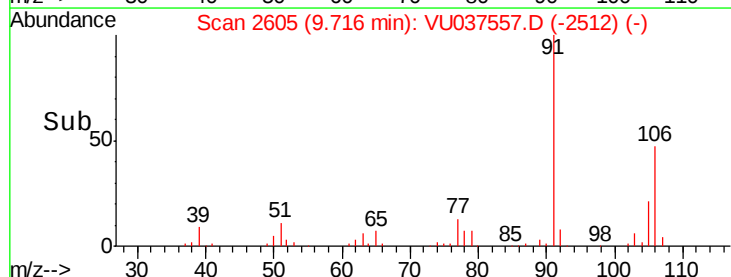
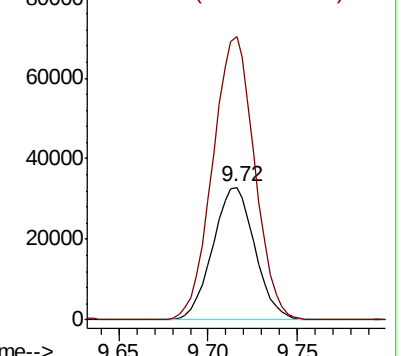
106 100

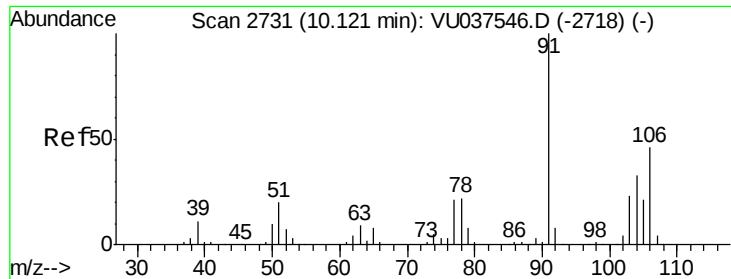
91 213.1 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

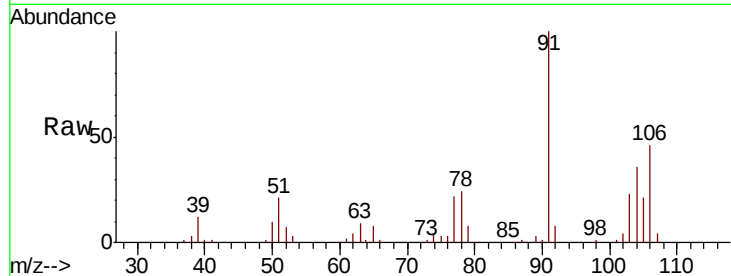




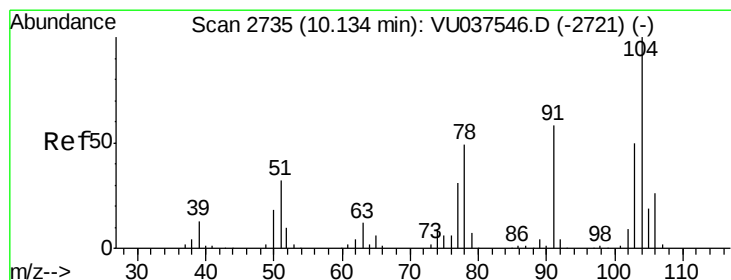
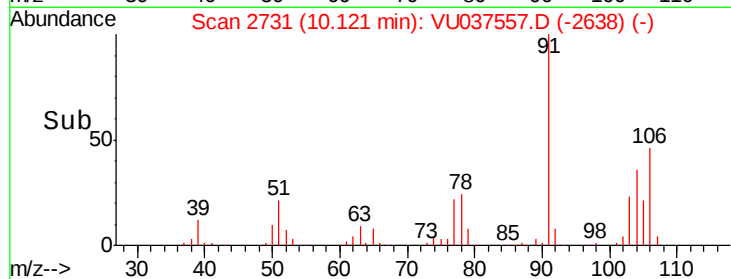
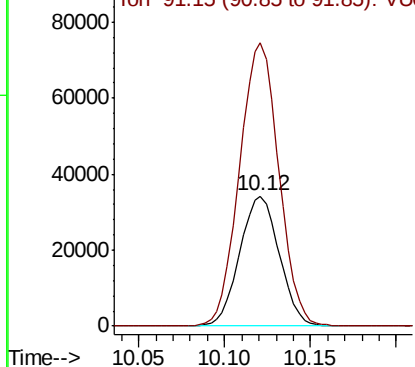
#54
o-Xylene
Concen: 4.627 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 54532
Ion Ratio Lower Upper
106 100
91 217.9 156.8 291.2

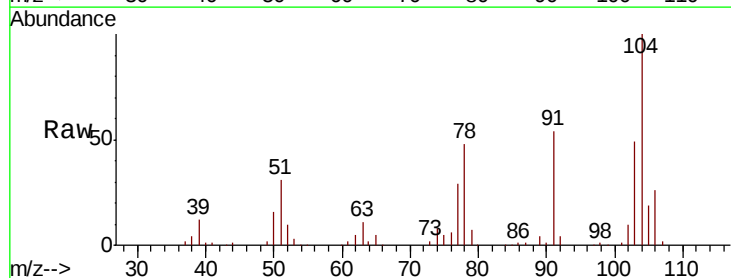


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

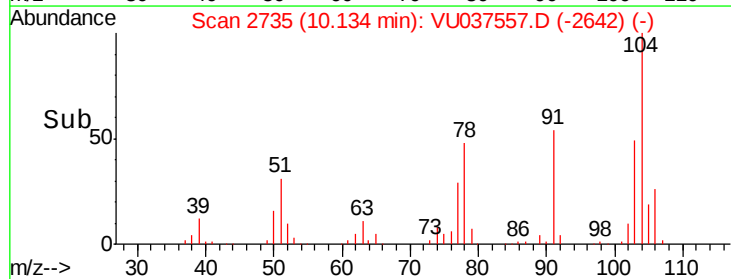
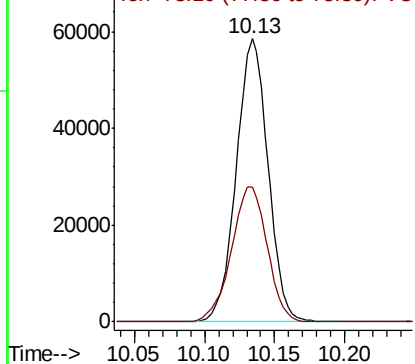


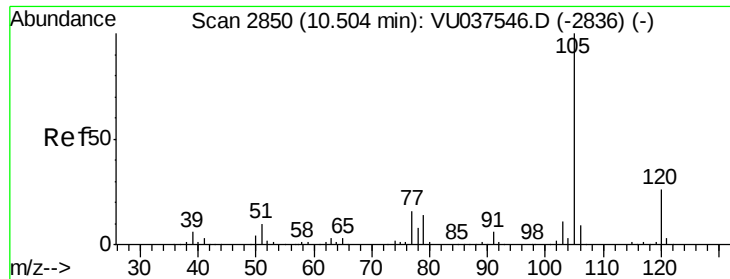
#55
Styrene
Concen: 4.544 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037557.D
Acq: 02 Apr 2020 16:36

Tgt Ion:104 Resp: 92487
Ion Ratio Lower Upper
104 100
78 47.6 36.1 67.1



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





#56

Isopropylbenzene

Concen: 4.496 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

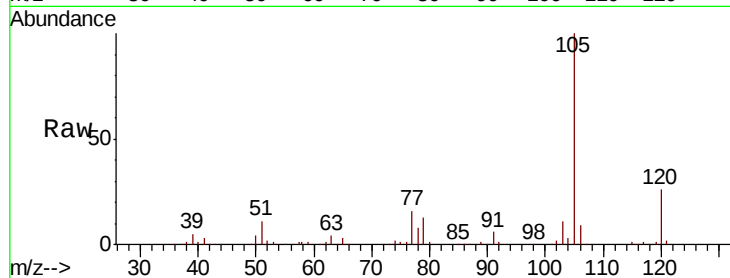
Tot Ion:105 Resp: 144292

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

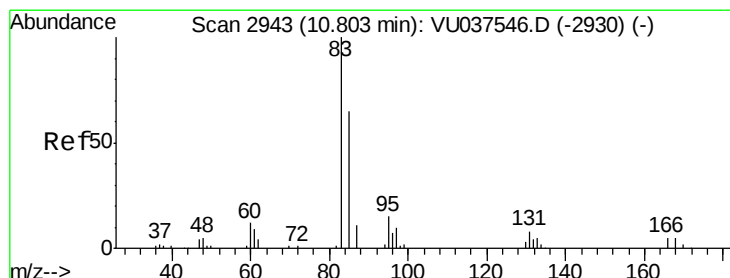
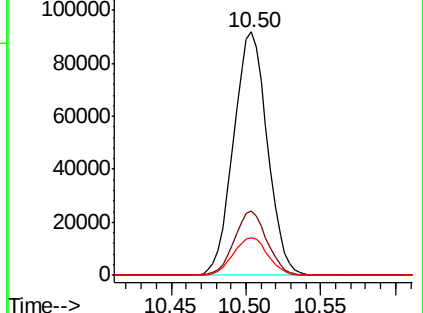
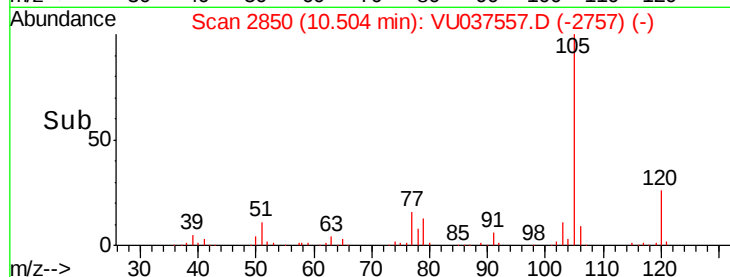
77 16.0 13.5 20.3



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: 4.193 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

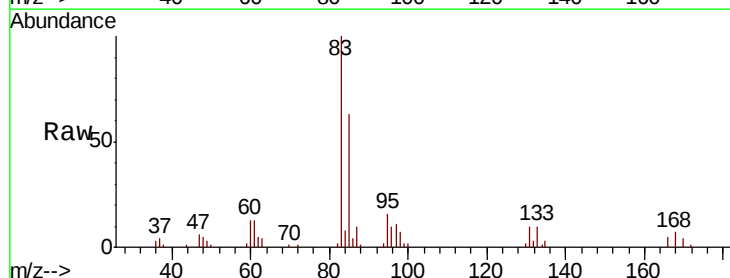
Tgt Ion: 83 Resp: 28625

Ion Ratio Lower Upper

83 100

85 63.2 45.2 84.0

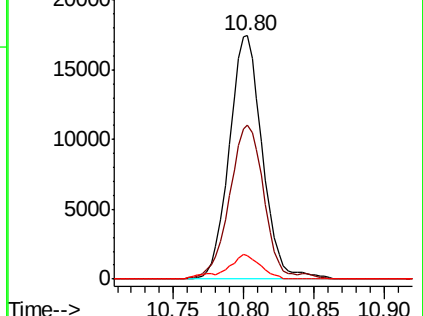
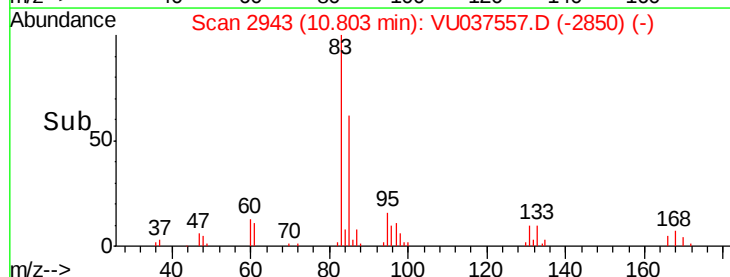
131 9.8 6.6 9.8

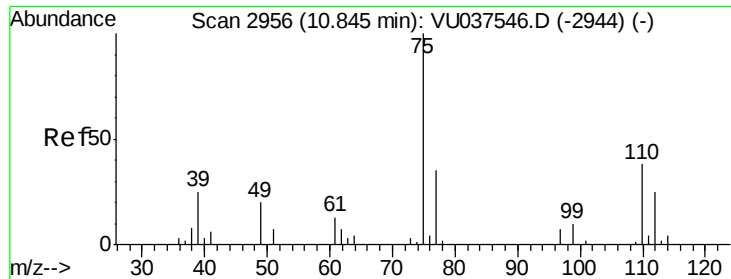


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

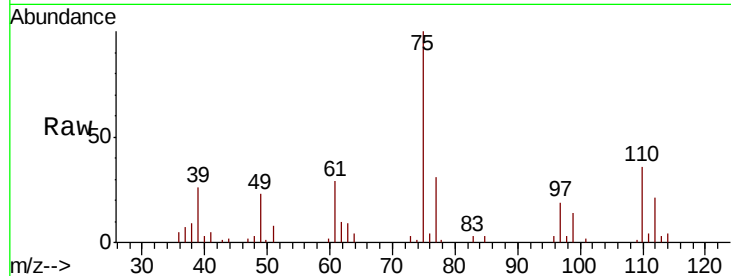




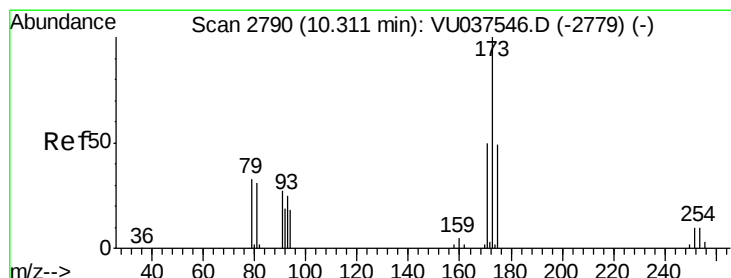
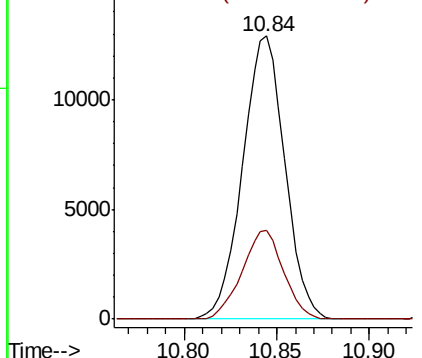
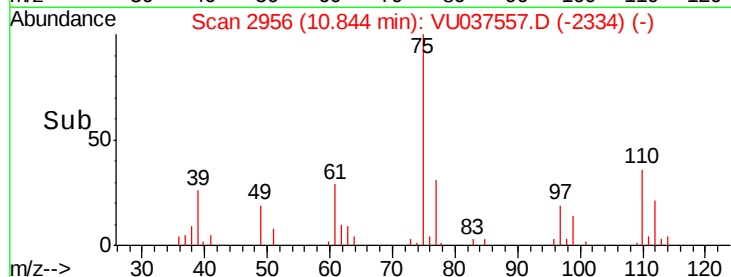
#59
 1,2,3-Trichloropropane
 Concen: 4.276 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 20343
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.8 38.6

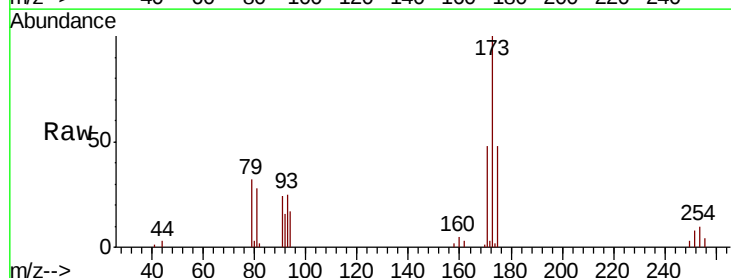


Abundance Ion 75.00 (74.70 to 75.70): VU037546.D (-2944) (-)
 Ion 77.00 (76.70 to 77.70): VU037557.D (-2334) (-)

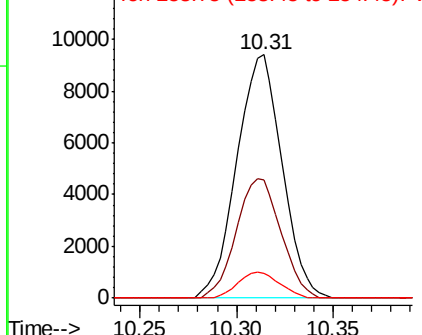
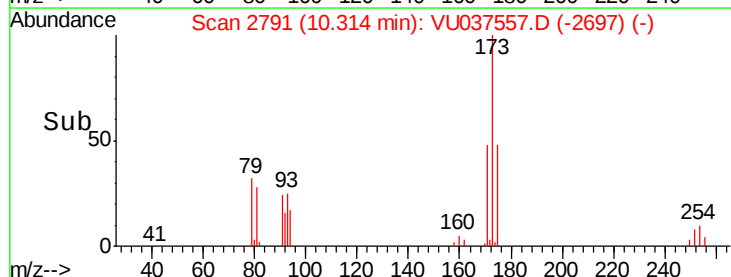


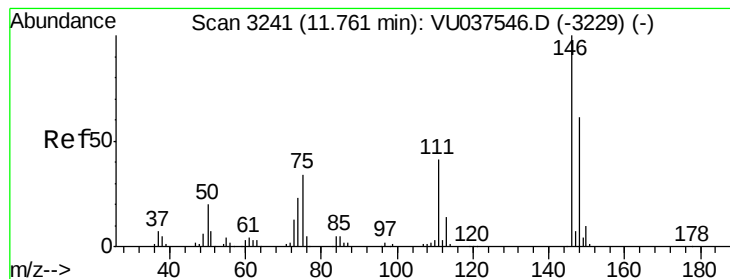
#61
 Bromoform
 Concen: 4.701 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

Tgt Ion: 173 Resp: 15309
 Ion Ratio Lower Upper
 173 100
 175 48.3 37.2 55.8
 254 9.7 7.7 11.5



Abundance Ion 172.90 (172.60 to 173.60): VU037546.D (-2779) (-)
 Ion 174.90 (174.60 to 175.60): VU037557.D (-2697) (-)
 Ion 253.75 (253.45 to 254.45): VU037557.D (-2697) (-)





#62

1,3-Dichlorobenzene

Concen: 4.863 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

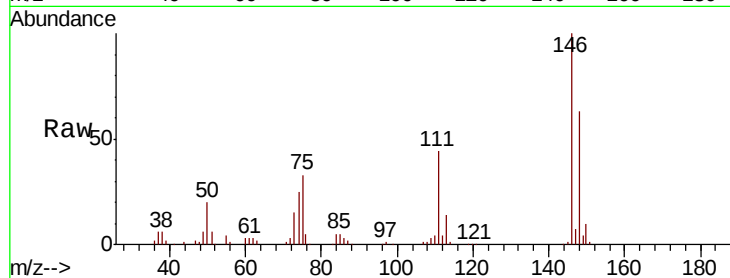
Tot Ion:146 Resp: 63616

Ion Ratio Lower Upper

146 100

111 43.8 29.8 55.4

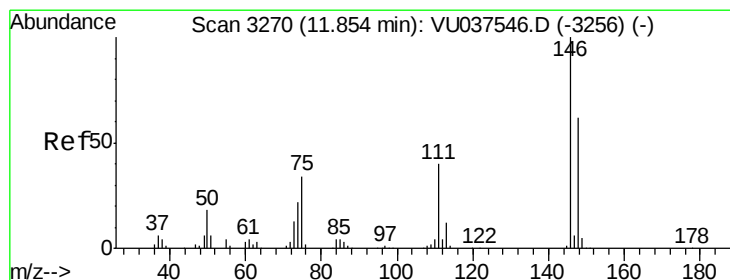
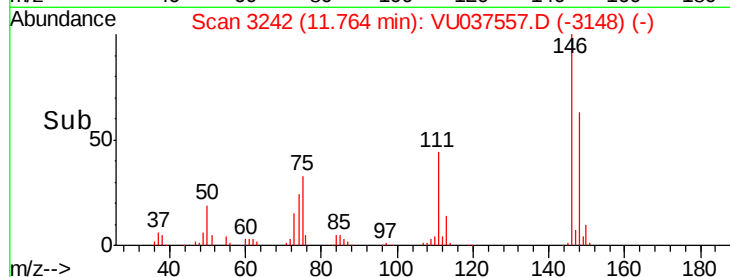
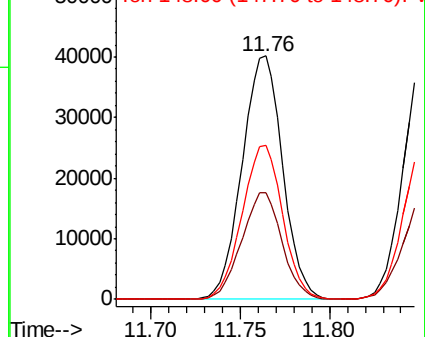
148 63.5 45.2 84.0



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: 4.670 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

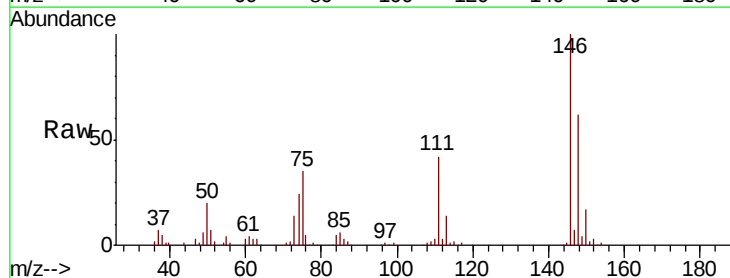
Tgt Ion:146 Resp: 62116

Ion Ratio Lower Upper

146 100

111 42.0 29.9 55.5

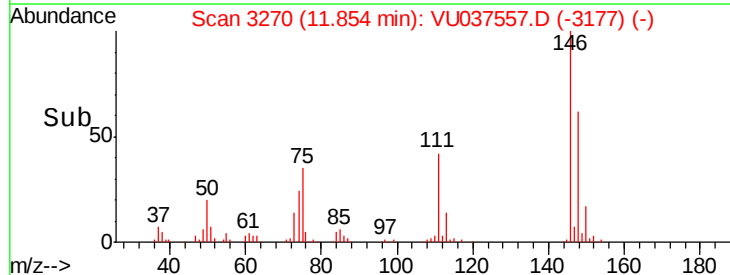
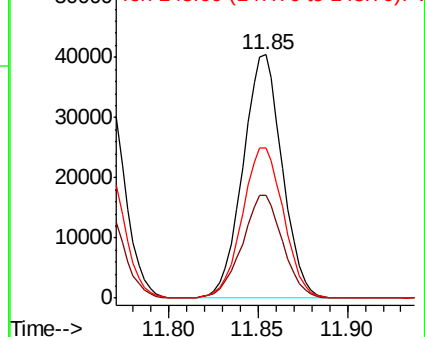
148 61.8 45.6 84.8

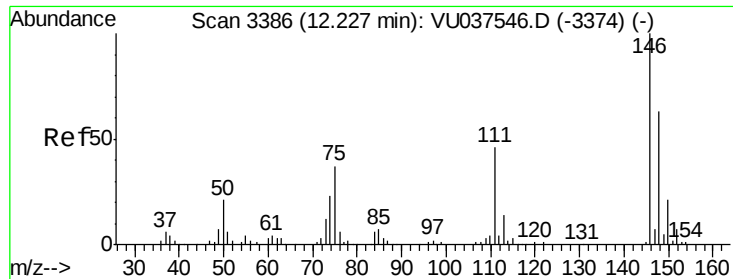


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.832 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

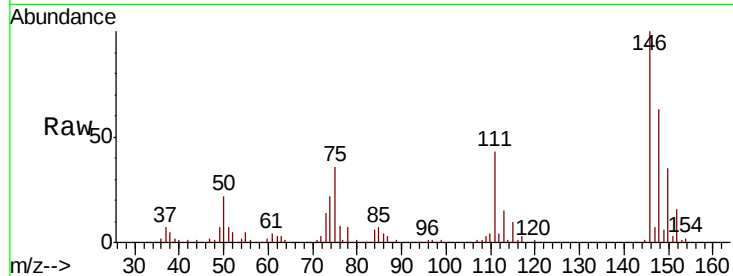
Tot Ion:146 Resp: 60488

Ion Ratio Lower Upper

146 100

111 43.2 34.2 51.4

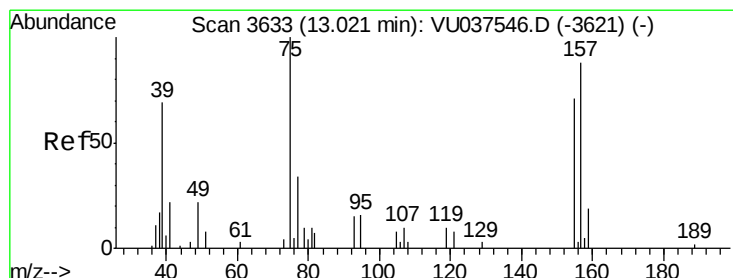
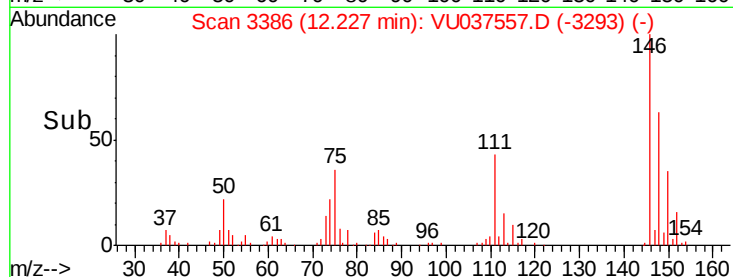
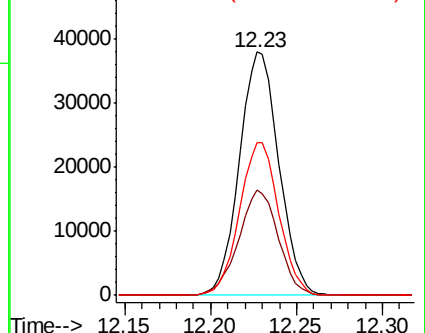
148 62.6 52.2 78.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.588 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

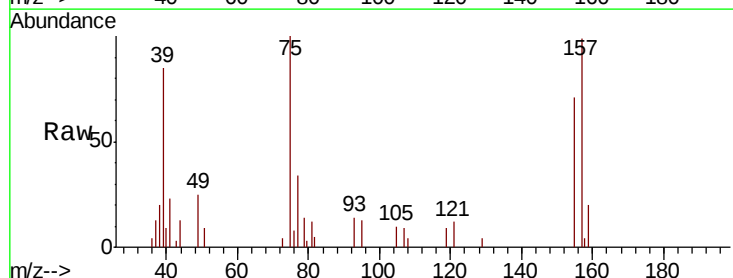
Tgt Ion: 75 Resp: 5518

Ion Ratio Lower Upper

75 100

155 70.6 51.0 76.4

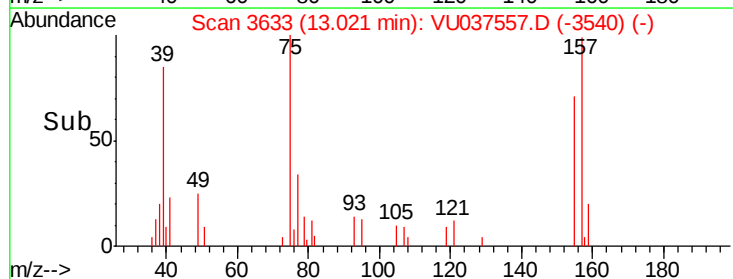
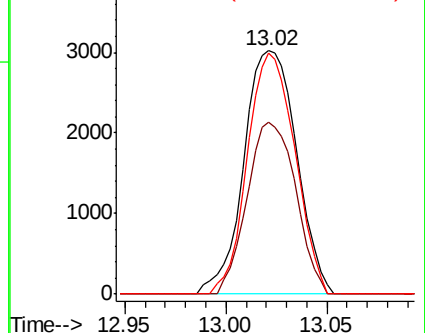
157 98.8 72.0 108.0

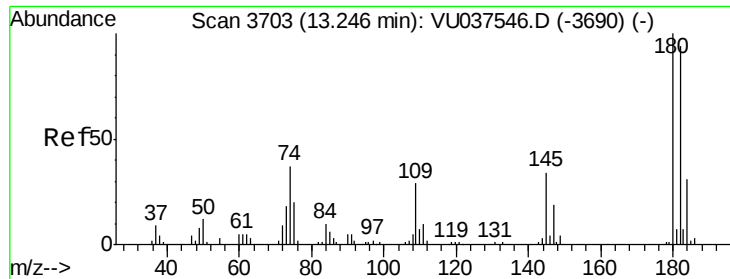


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

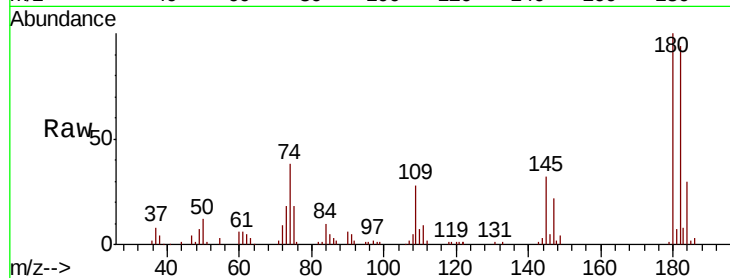




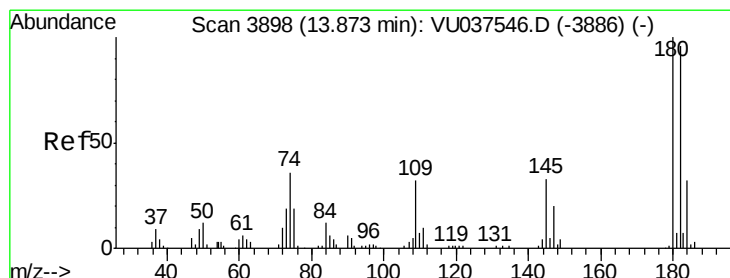
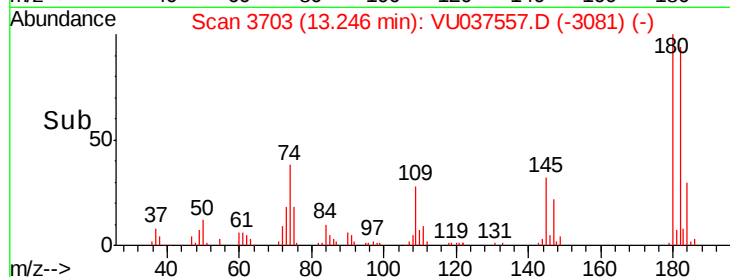
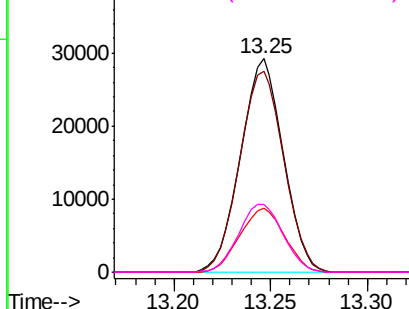
#67
 1,3,5-Trichlorobenzene
 Concen: 4.753 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 44879
 Ion Ratio Lower Upper
 180 100
 182 97.5 77.9 116.9
 184 31.5 25.0 37.6
 145 33.3 27.0 40.4

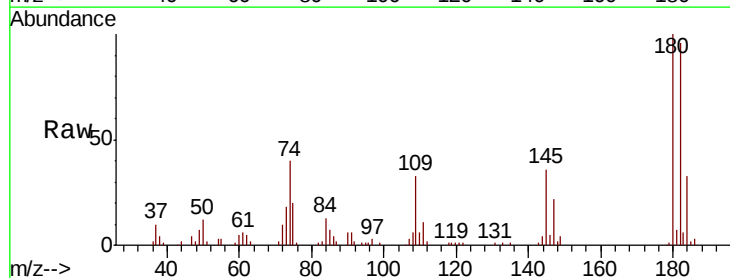


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

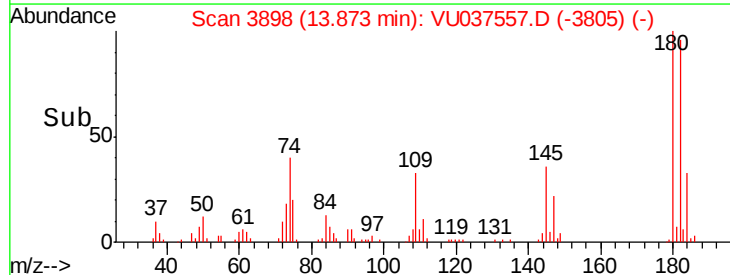
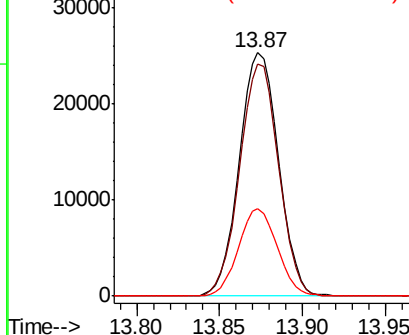


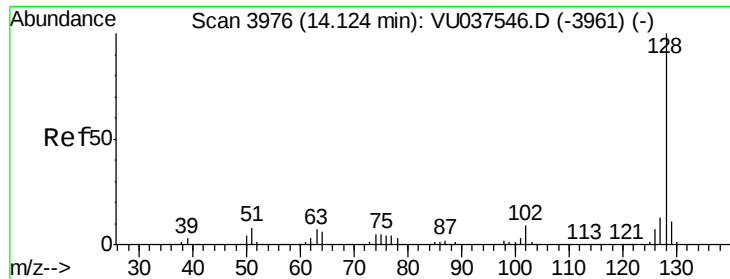
#68
 1,2,4-trichlorobenzene
 Concen: 4.739 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU037557.D
 Acq: 02 Apr 2020 16:36

Tgt Ion:180 Resp: 41636
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.4 116.2
 145 35.4 27.5 41.3



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: 5.329 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

Instrument :

MSVOA_U

ClientSampleId :

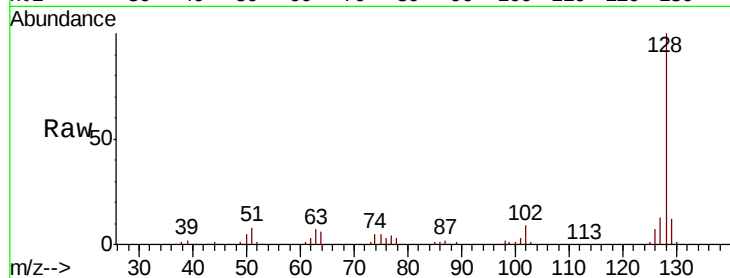
Tot Ion:128 Resp: 104164

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

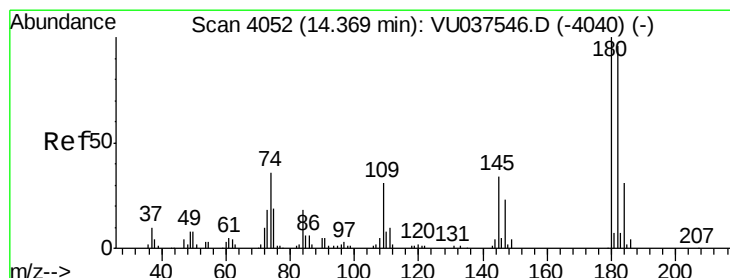
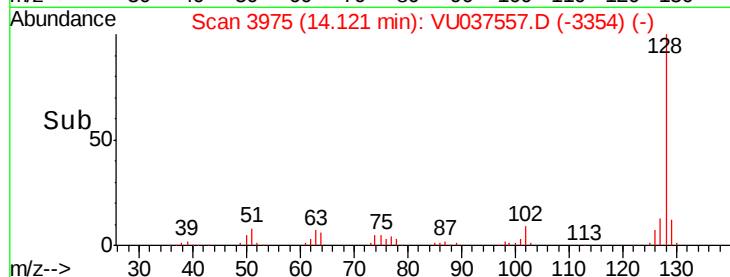
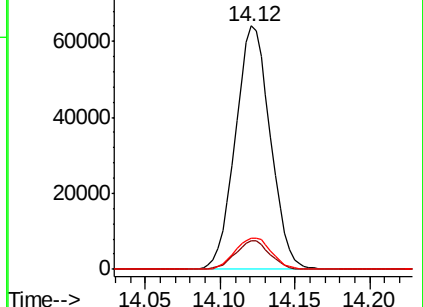
127 13.3 10.4 15.6



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: 4.708 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VU037557.D

Acq: 02 Apr 2020 16:36

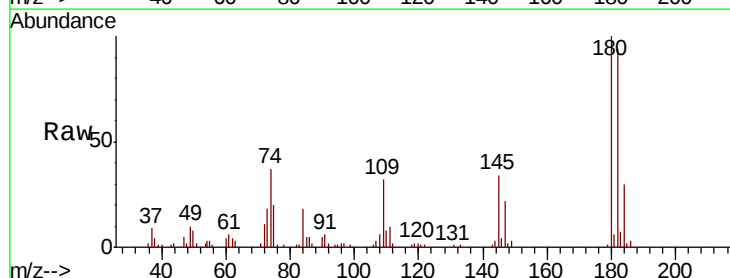
Tgt Ion:180 Resp: 36694

Ion Ratio Lower Upper

180 100

182 96.8 78.7 118.1

145 36.0 30.2 45.2



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

