

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
 Data File : VU036826.D
 Acq On : 18 Feb 2020 10:25
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 19 04:52:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Feb 18 13:13:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	116762	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	108782	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	48301	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	39501	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.93	69	38741	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.59	63	72234	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.20%
20) 2-Butanone-d5	4.68	46	112475	53.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.82%
24) Chloroform-d	5.11	84	75684	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.74	65	42310	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.76	84	155102	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.73	67	50978	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.93	98	139959	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	8.21	79	18812	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.66	63	93460	50.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.32%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	40698	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	44487	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	41130	5.334	ug/L	99
3) Chloromethane	1.54	50	45140	5.624	ug/L	95
5) Vinyl chloride	1.62	62	50331	5.369	ug/L	98
6) Bromomethane	1.87	94	28096	4.988	ug/L	95
8) Chloroethane	1.95	64	33595	5.130	ug/L	96
9) Trichlorofluoromethane	2.16	101	64683	5.244	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	41382	5.254	ug/L	99
12) 1,1-Dichloroethene	2.60	96	36923	5.199	ug/L	97
13) Acetone	2.67	43	142816	53.039	ug/L	98
14) Carbon disulfide	2.82	76	86284	5.034	ug/L	98
15) Methyl Acetate	2.99	43	18831	5.271	ug/L	100
16) Methylene chloride	3.08	84	47143	3.938	ug/L	97
17) Methyl tert-butyl Ether	3.41	73	110454	5.251	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	38844	5.300	ug/L	98
19) 1,1-Dichloroethane	3.91	63	84416	5.492	ug/L	96
21) 2-Butanone	4.76	43	171751	54.833	ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	48479	5.466	ug/L	99

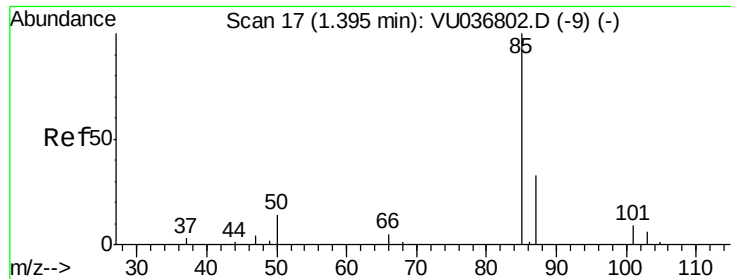
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
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Quant Time: Feb 19 04:52:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Feb 18 13:13:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	19446	5.515	ug/L	96
25) Chloroform	5.13	83	84066	5.121	ug/L	99
27) 1,2-Dichloroethane	5.84	62	55253	5.281	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	64658	5.412	ug/L	98
30) Cyclohexane	5.43	56	68956	5.434	ug/L	97
31) Carbon tetrachloride	5.56	117	50585	5.248	ug/L	100
33) Benzene	5.81	78	182927	5.452	ug/L	100
34) Trichloroethene	6.57	95	46934	5.492	ug/L	97
35) Methylcyclohexane	6.79	83	70811	5.222	ug/L	98
37) 1,2-Dichloropropane	6.83	63	49403	5.392	ug/L	100
38) Bromodichloromethane	7.14	83	59846	5.474	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	70827	5.343	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	322445	54.541	ug/L	100
42) Toluene	8.00	91	197398	5.478	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	55849	5.391	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	35317	5.541	ug/L	98
47) Tetrachloroethene	8.58	164	29973	5.156	ug/L	96
48) 2-Hexanone	8.72	43	268128	52.997	ug/L	97
49) Dibromochloromethane	8.84	129	36644	5.559	ug/L	97
50) 1,2-Dibromoethane	8.95	107	31045	5.393	ug/L	96
51) Chlorobenzene	9.47	112	119810	5.374	ug/L	99
52) Ethylbenzene	9.59	91	214087	5.319	ug/L	98
53) m,p-Xylene	9.72	106	79174	5.345	ug/L	95
54) o-Xylene	10.12	106	77329	5.316	ug/L	97
55) Styrene	10.14	104	130448	5.320	ug/L	99
56) Isopropylbenzene	10.50	105	207704	5.336	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	46290	5.548	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	32496	5.372	ug/L	100
61) Bromoform	10.31	173	18268	5.489	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	88664	5.328	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	87731	5.318	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	86537	5.394	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	6818	5.695	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	64762	5.528	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	47710	5.400	ug/L	99
69) Naphthalene	14.12	128	84837	5.300	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	44891	5.662	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.334 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

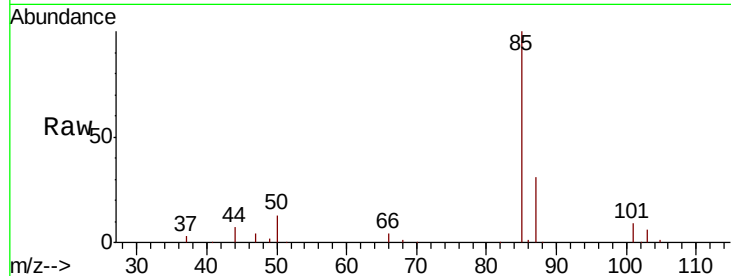
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 41130

Ion Ratio Lower Upper

85 100

87 31.7 25.7 38.5

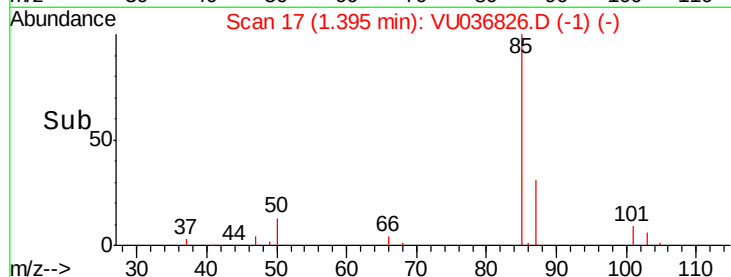


Abundance Ion 85.00 (84.70 to 85.70): VU036802.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036802.D (-9) (-)

1.39

Time-->

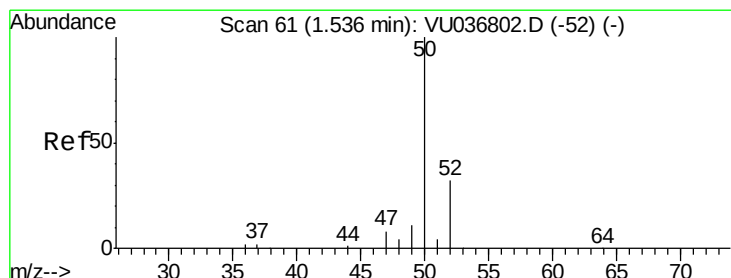


Abundance Ion 85.00 (84.70 to 85.70): VU036826.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036826.D (-1) (-)

1.39

Time-->



#3

Chloromethane

Concen: 5.624 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036826.D

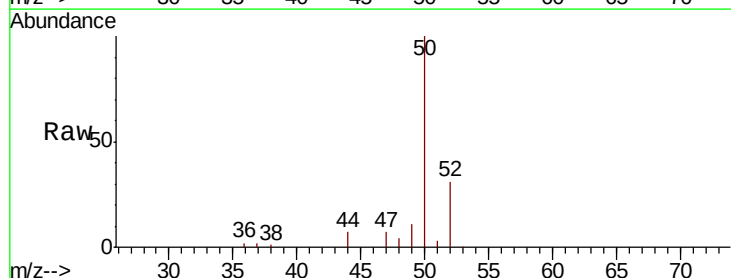
Acq: 18 Feb 2020 10:25

Tgt Ion: 50 Resp: 45140

Ion Ratio Lower Upper

50 100

52 31.3 23.8 44.2

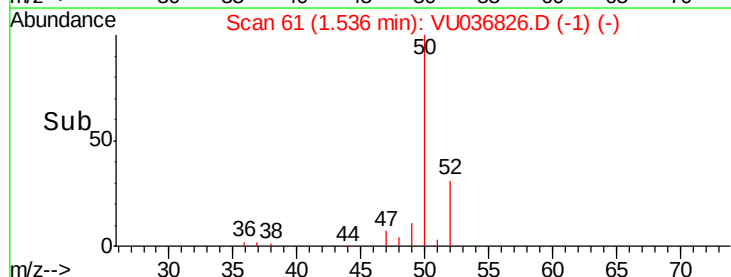


Abundance Ion 50.05 (49.75 to 50.75): VU036802.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036802.D (-52) (-)

1.54

Time-->

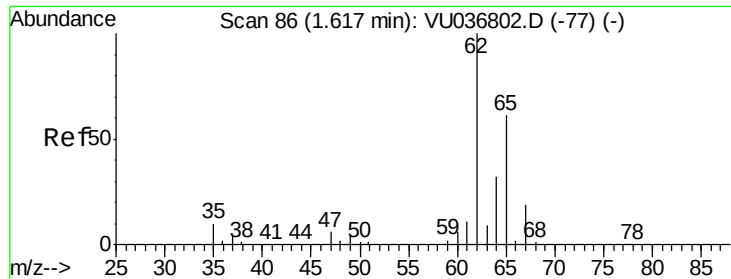


Abundance Ion 50.05 (49.75 to 50.75): VU036826.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU036826.D (-1) (-)

1.54

Time-->



#5

Vinyl chloride

Concen: 5.369 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

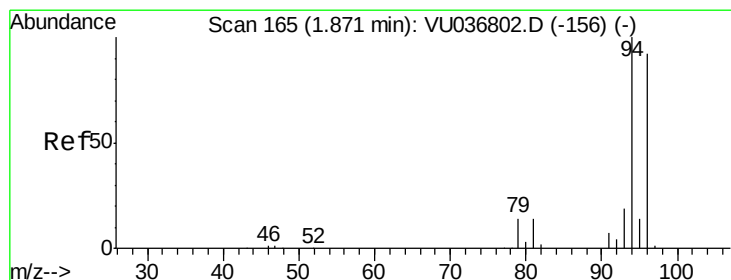
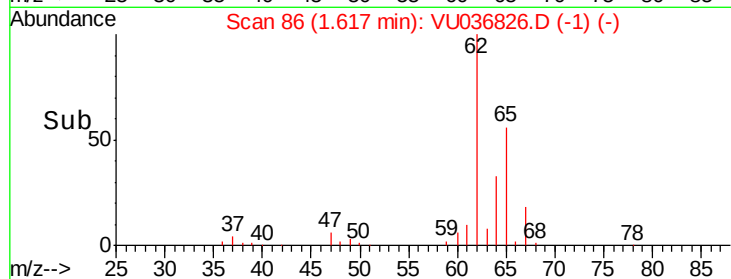
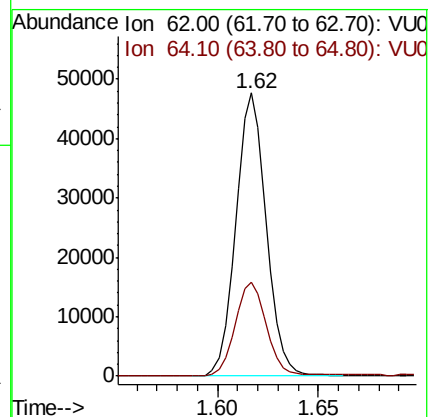
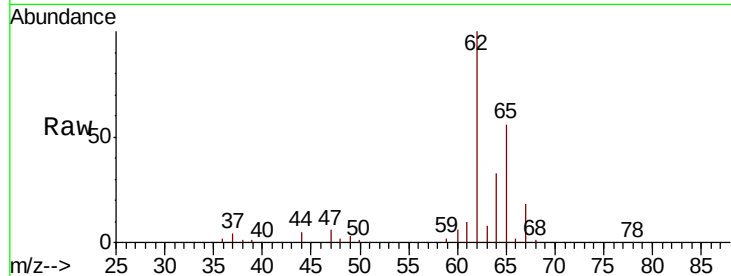
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 50331

Ion Ratio Lower Upper

62 100

64 33.3 24.1 44.7



#6

Bromomethane

Concen: 4.988 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036826.D

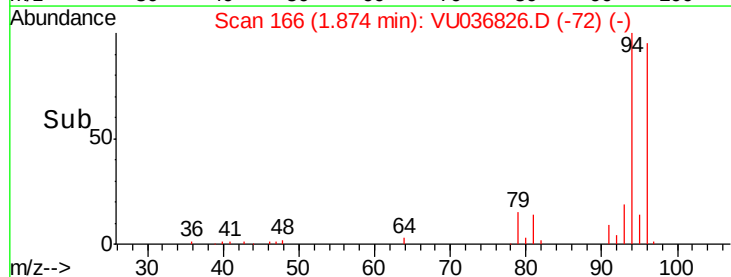
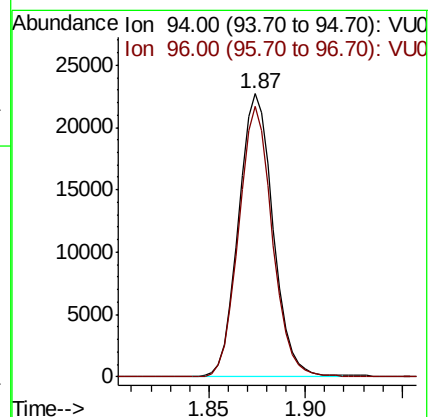
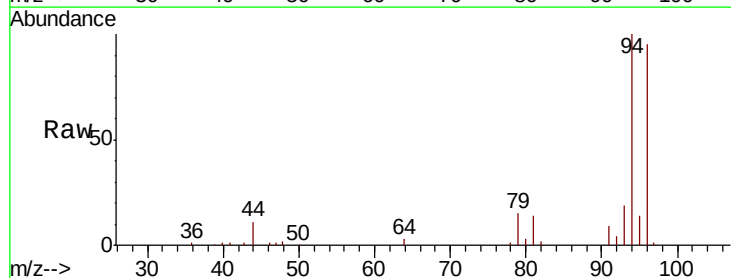
Acq: 18 Feb 2020 10:25

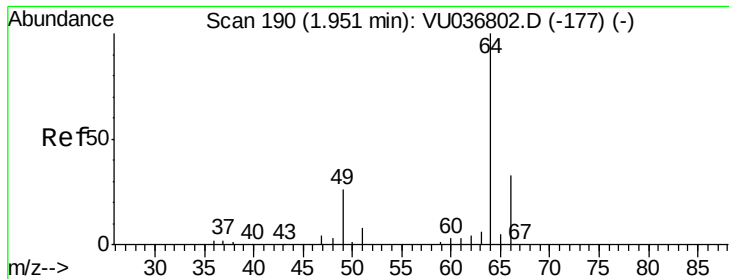
Tgt Ion: 94 Resp: 28096

Ion Ratio Lower Upper

94 100

96 95.4 63.3 117.7

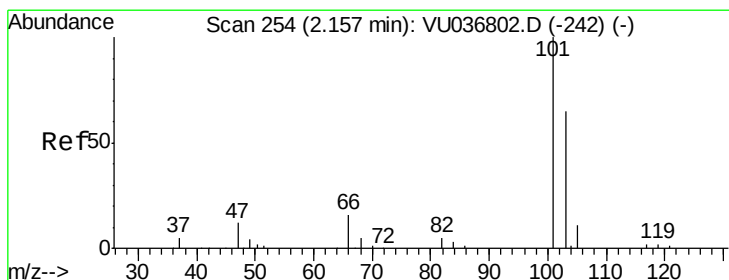
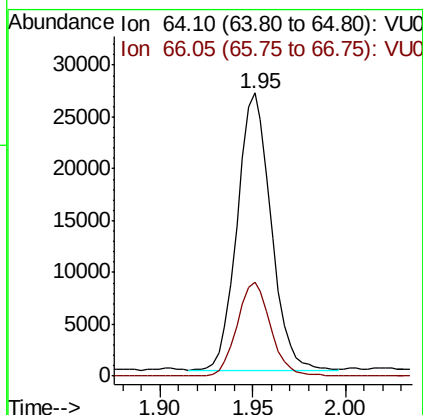
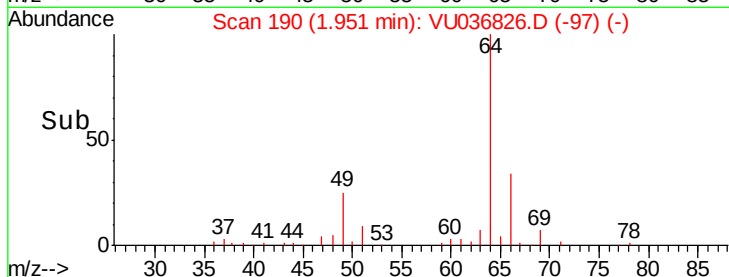
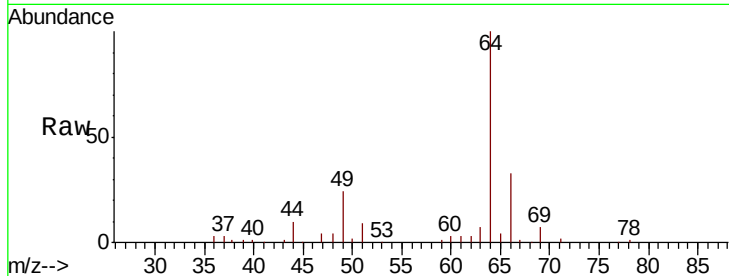




#8
Chloroethane
Concen: 5.130 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU036826.D
Acq: 18 Feb 2020 10:25

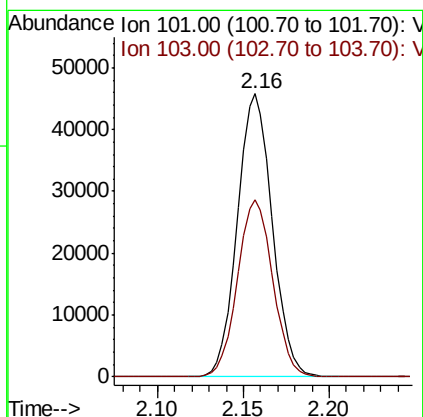
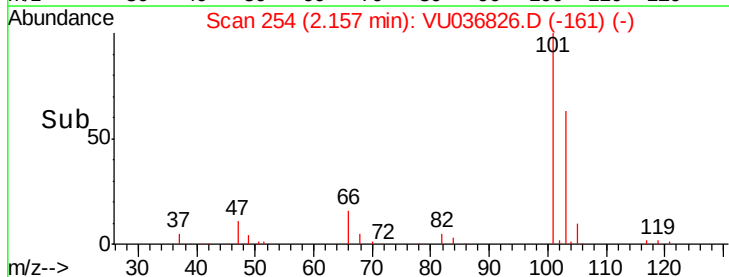
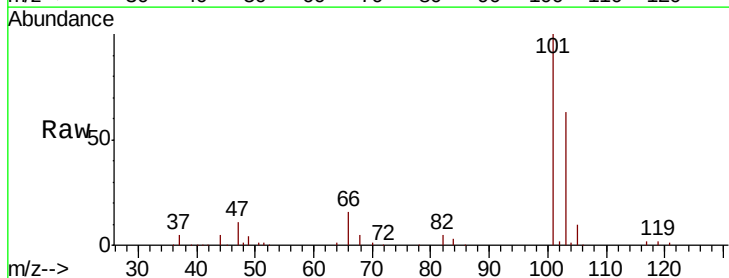
Instrument :
MSVOA_U
ClientSampleId :

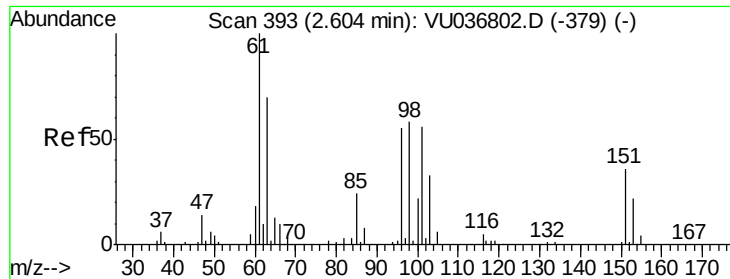
Tot Ion: 64 Resp: 33595
Ion Ratio Lower Upper
64 100
66 33.4 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.244 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036826.D
Acq: 18 Feb 2020 10:25

Tgt Ion:101 Resp: 64683
Ion Ratio Lower Upper
101 100
103 63.4 51.0 76.6





#10

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

Concen: 5.254 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

Instrument :

MSVOA_U

ClientSampled :

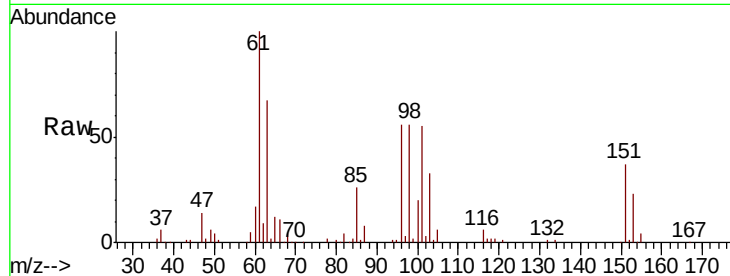
Tot Ion:101 Resp: 41382

Ion Ratio Lower Upper

101 100

85 46.2 36.4 54.6

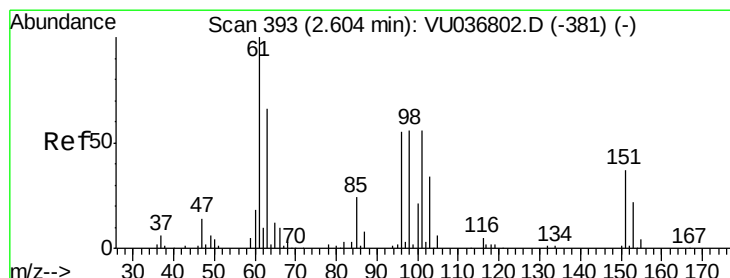
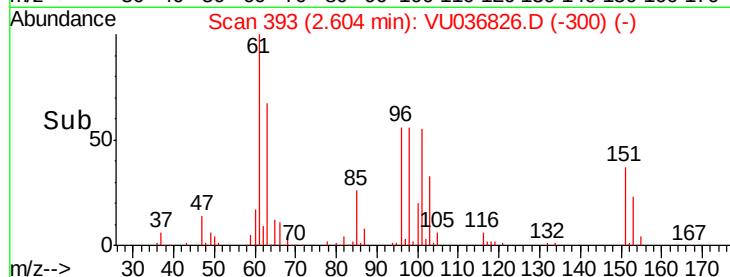
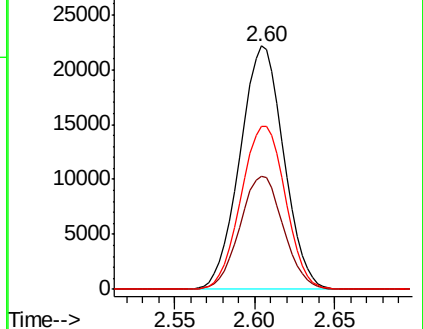
151 68.1 54.0 81.0



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: 5.199 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

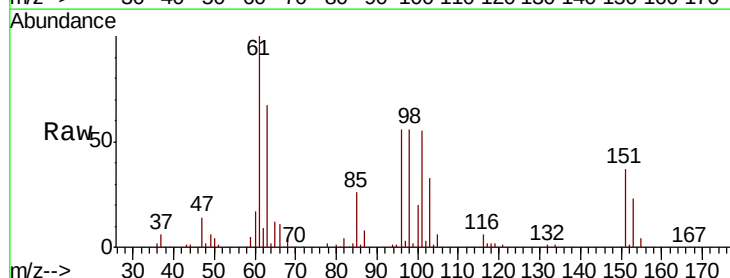
Tgt Ion: 96 Resp: 36923

Ion Ratio Lower Upper

96 100

61 178.9 126.4 234.8

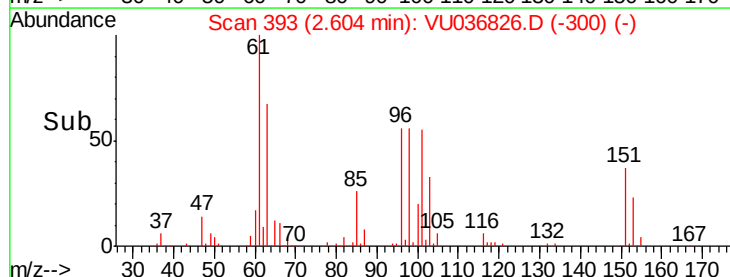
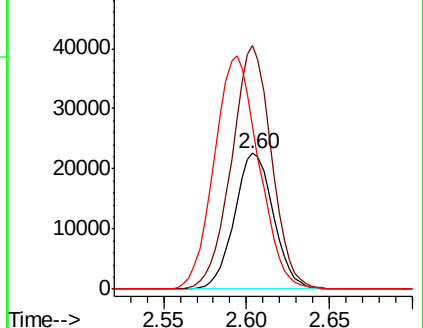
63 120.1 89.5 166.3

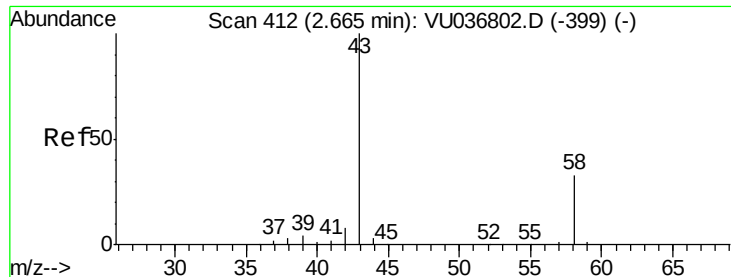


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.039 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

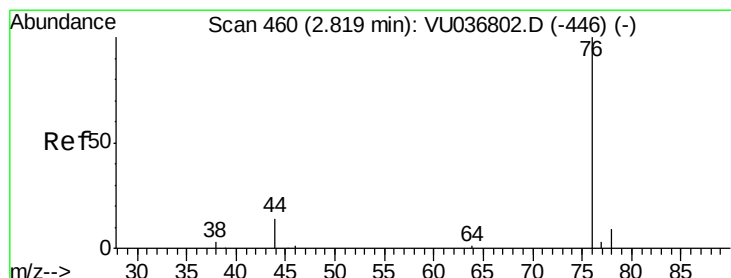
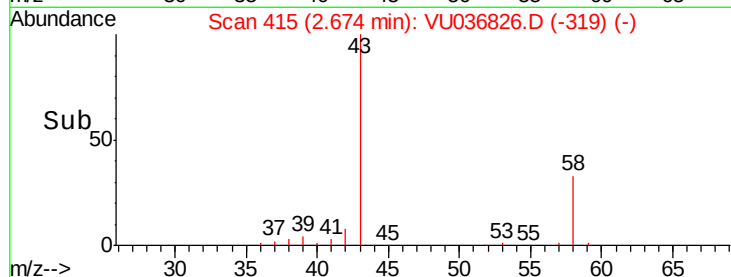
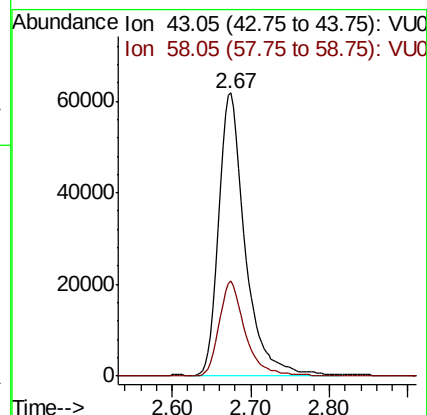
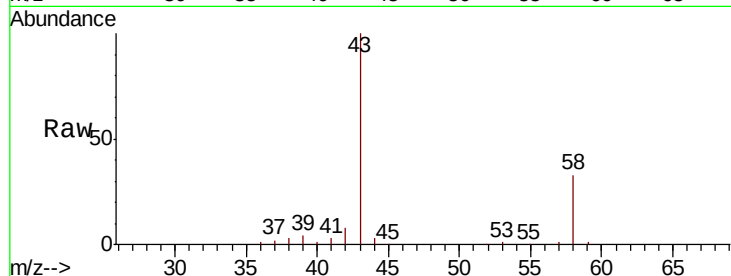
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 142816

Ion Ratio Lower Upper

43 100

58 33.2 0.0 64.2



#14

Carbon disulfide

Concen: 5.034 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036826.D

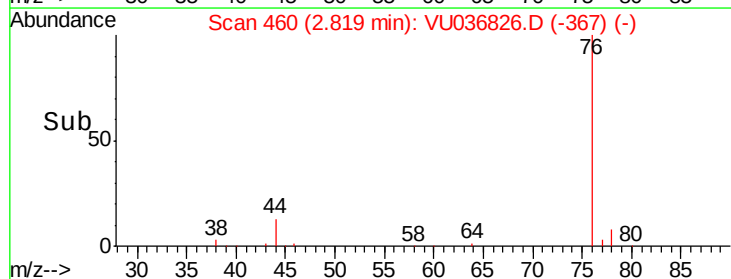
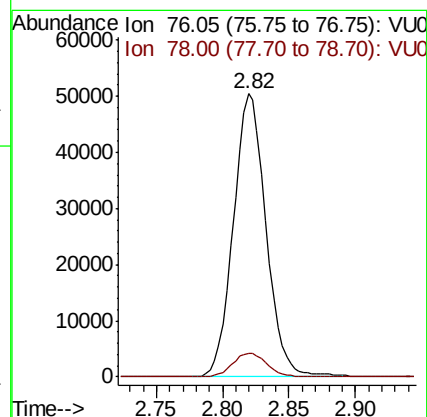
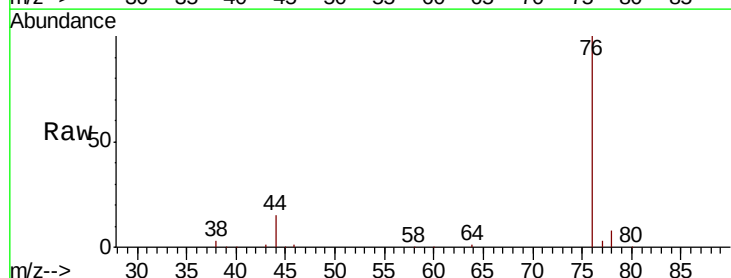
Acq: 18 Feb 2020 10:25

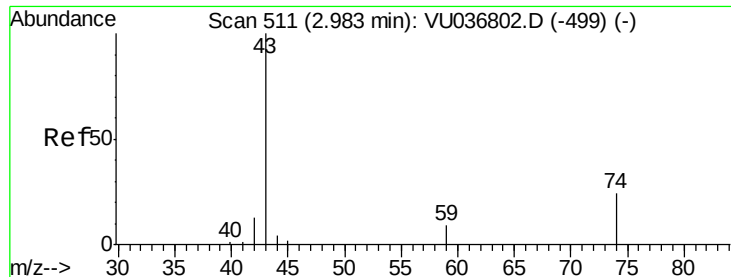
Tgt Ion: 76 Resp: 86284

Ion Ratio Lower Upper

76 100

78 8.4 7.2 10.8

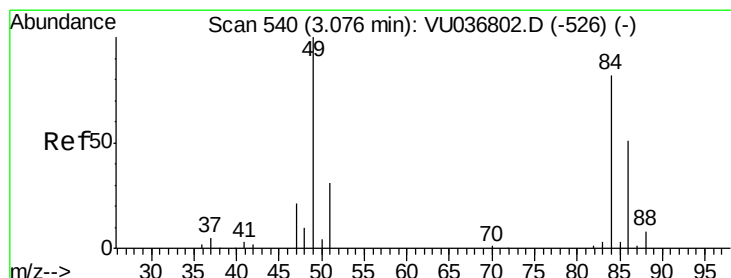
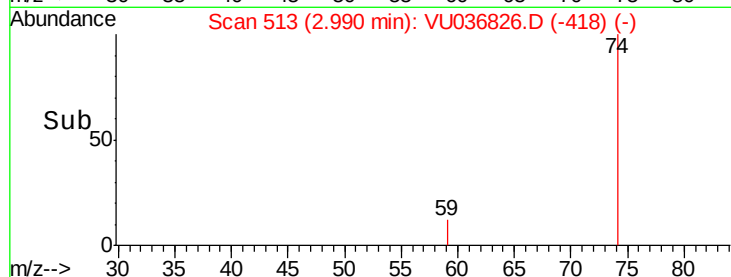
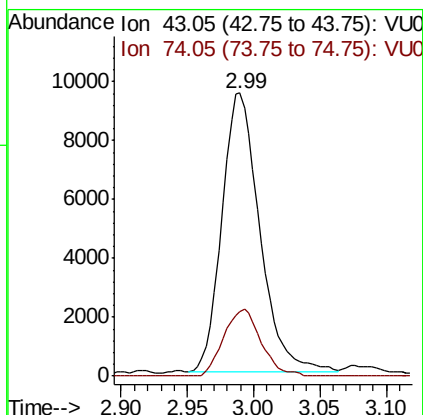
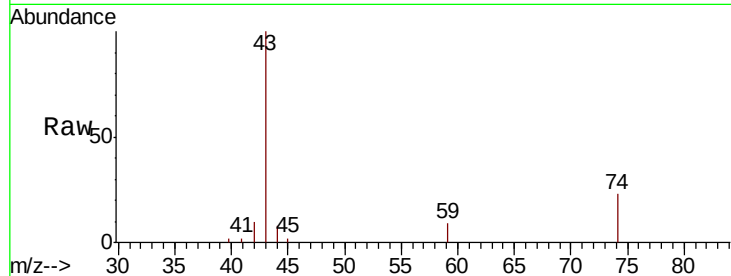




#15
Methvl Acetate
Concen: 5.271 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.01 min
Lab File: VU036826.D
Acq: 18 Feb 2020 10:25

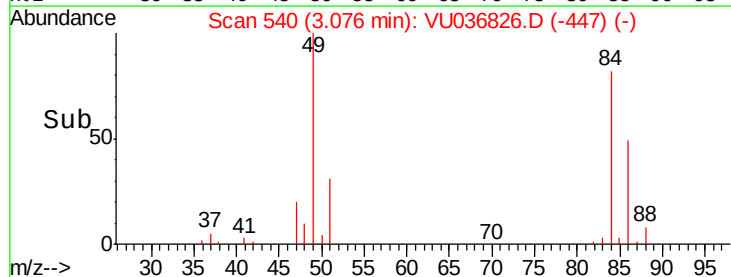
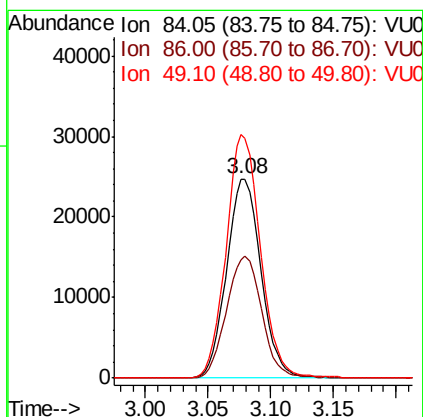
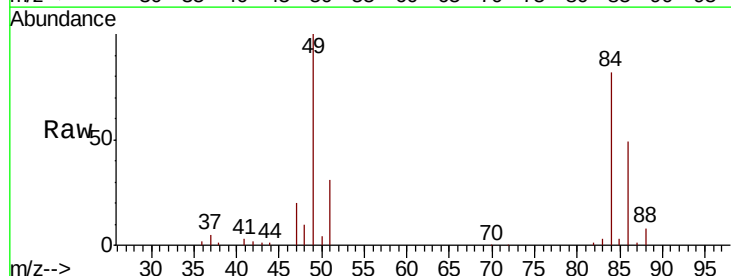
Instrument :
MSVOA_U
ClientSampleId :

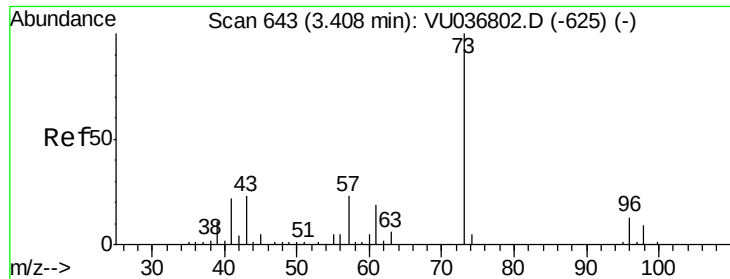
Tot Ion: 43 Resp: 18831
Ion Ratio Lower Upper
43 100
74 23.6 19.0 28.4



#16
Methylene chloride
Concen: 3.938 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU036826.D
Acq: 18 Feb 2020 10:25

Tgt Ion: 84 Resp: 47143
Ion Ratio Lower Upper
84 100
86 59.7 44.7 82.9
49 122.3 86.7 160.9

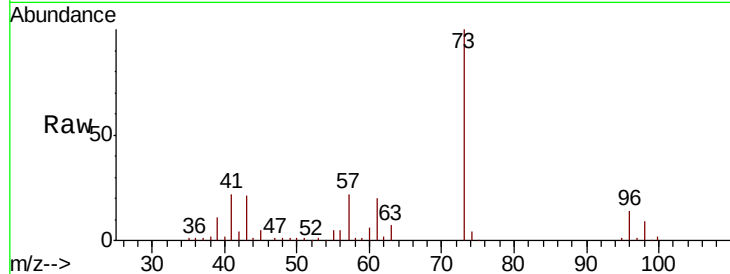




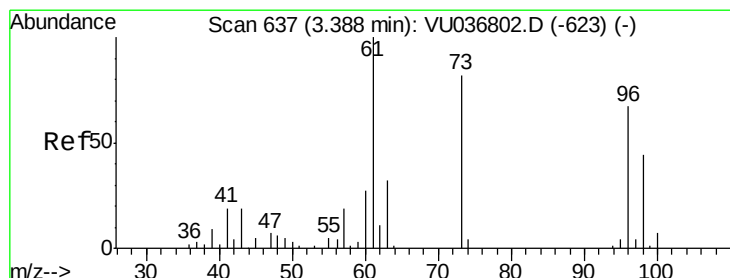
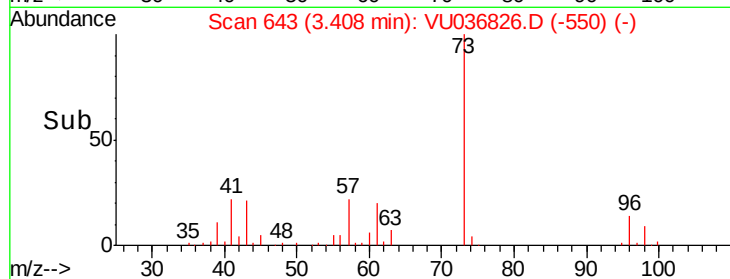
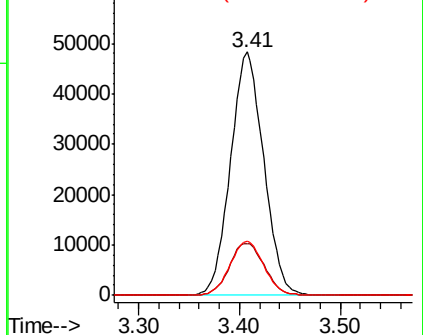
#17
Methyl tert-butyl Ether
Concen: 5.251 ug/L
RT: 3.41 min Scan# 643
Delta R.T. 0.00 min
Lab File: VU036826.D
Acq: 18 Feb 2020 10:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 110454
Ion Ratio Lower Upper
73 100
43 22.6 18.7 28.1
57 22.8 17.9 26.9

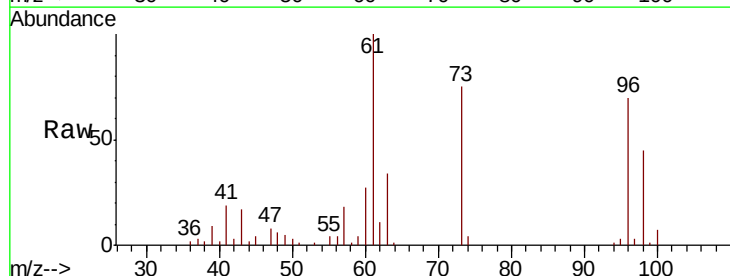


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

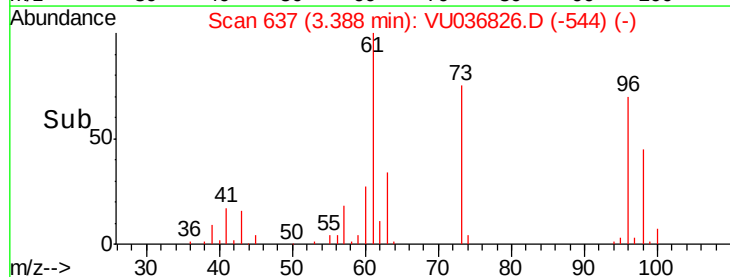
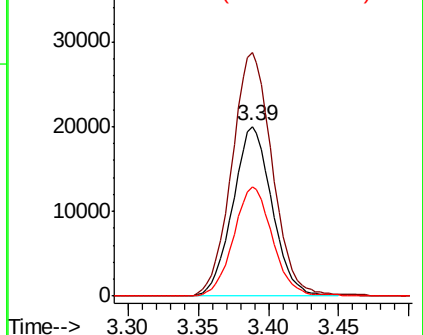


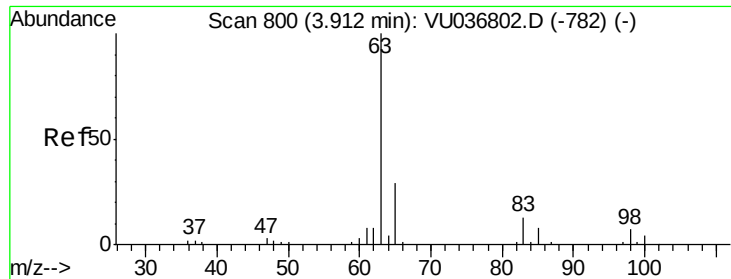
#18
trans-1,2-Dichloroethene
Concen: 5.300 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU036826.D
Acq: 18 Feb 2020 10:25

Tgt Ion: 96 Resp: 38844
Ion Ratio Lower Upper
96 100
61 143.5 102.6 190.5
98 64.1 44.5 82.7



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

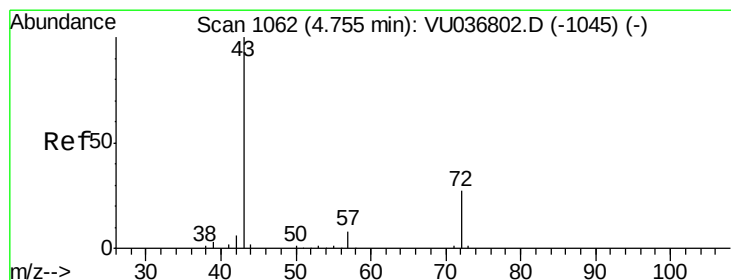
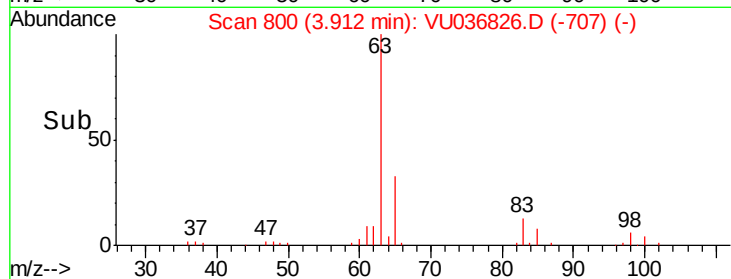
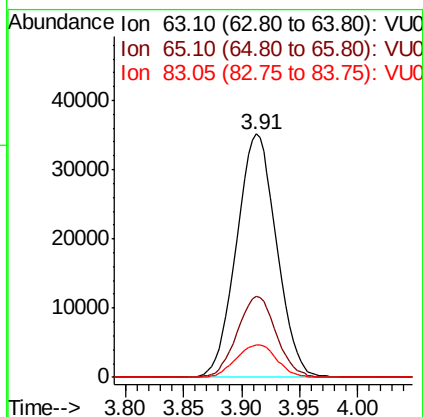
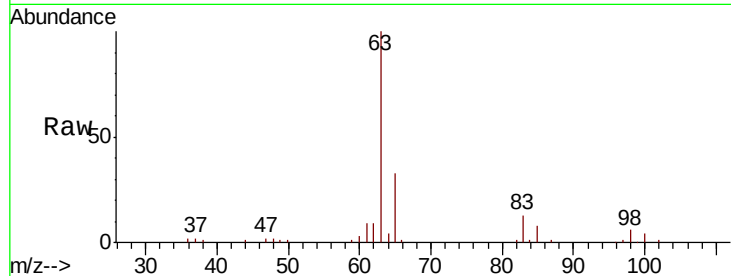




#19
 1,1-Dichloroethane
 Concen: 5.492 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

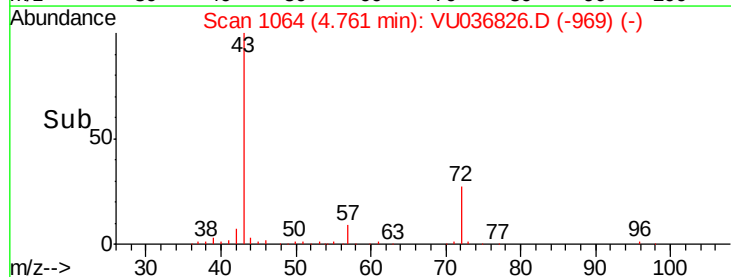
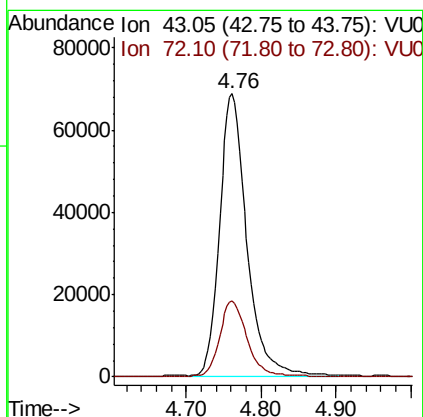
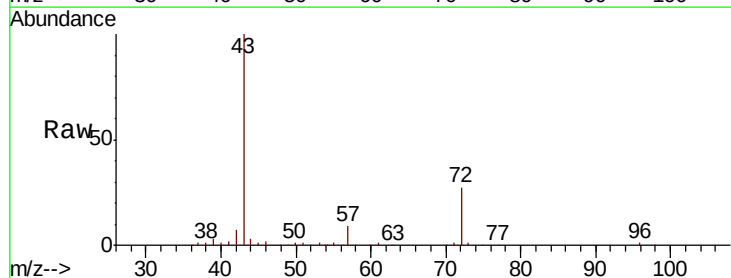
Instrument :
 MSVOA_U
 ClientSampleId :

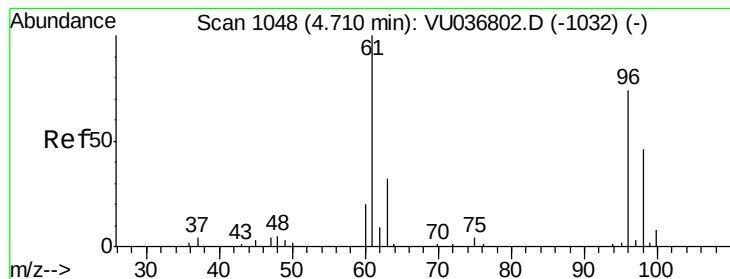
Tot Ion: 63 Resp: 84416
 Ion Ratio Lower Upper
 63 100
 65 33.4 21.6 40.2
 83 13.4 8.8 16.3



#21
 2-Butanone
 Concen: 54.833 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. 0.01 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

Tgt Ion: 43 Resp: 171751
 Ion Ratio Lower Upper
 43 100
 72 27.7 14.0 41.9





#22

cis-1,2-Dichloroethene

Concen: 5.466 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

Instrument :
MSVOA_U
ClientSampleId :

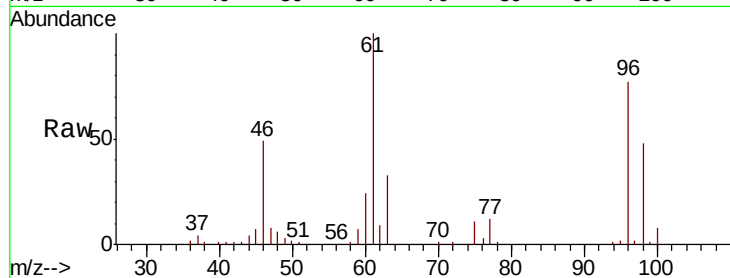
Tot Ion: 96 Resp: 48479

Ion Ratio Lower Upper

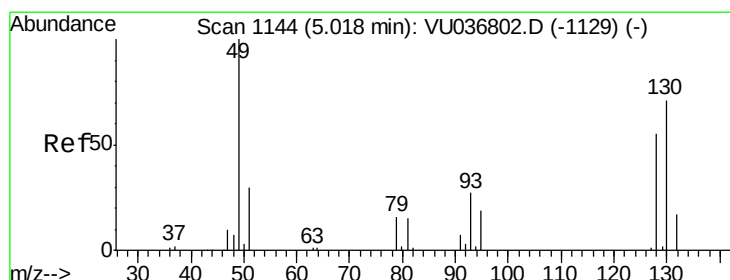
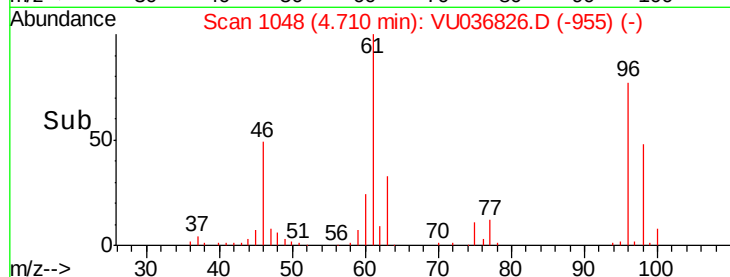
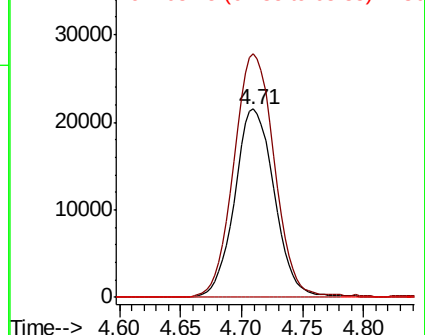
96 100

61 129.4 91.2 169.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.515 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

Tgt Ion:128 Resp: 19446

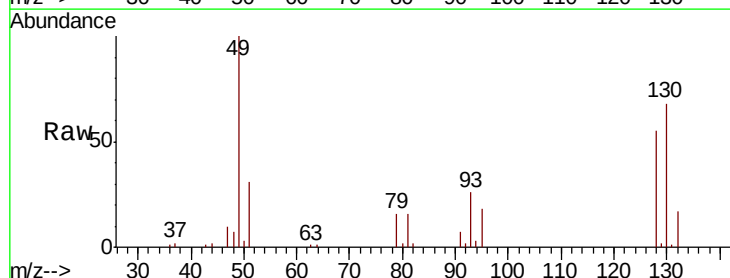
Ion Ratio Lower Upper

128 100

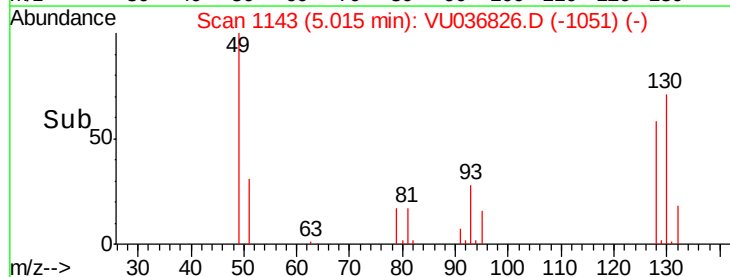
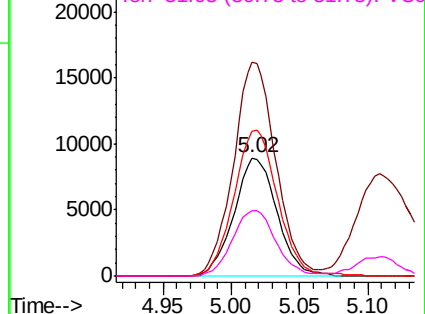
49 181.3 132.4 245.8

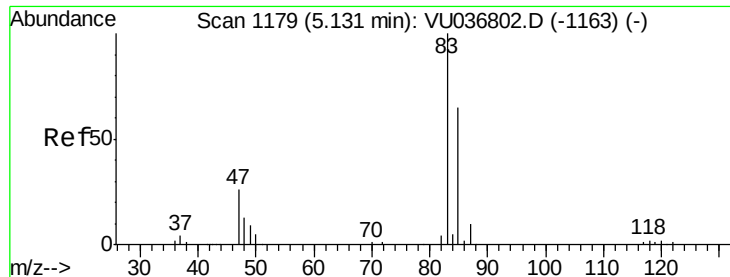
130 123.2 89.0 165.2

51 55.3 45.6 68.4



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

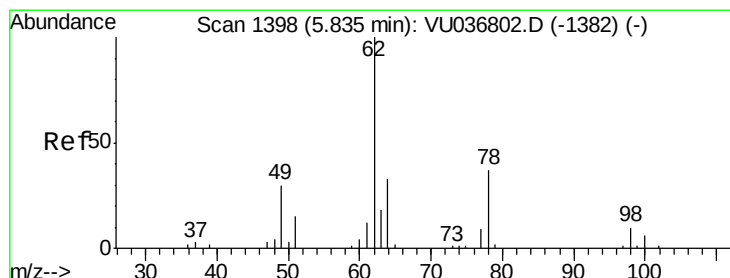
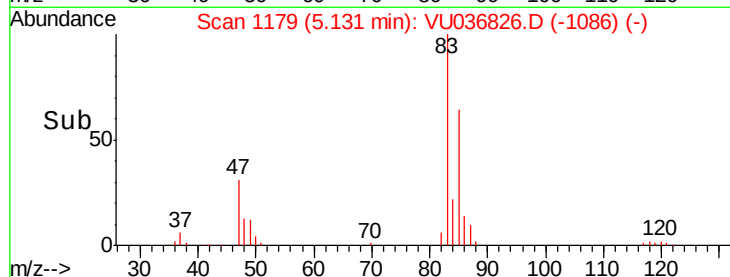
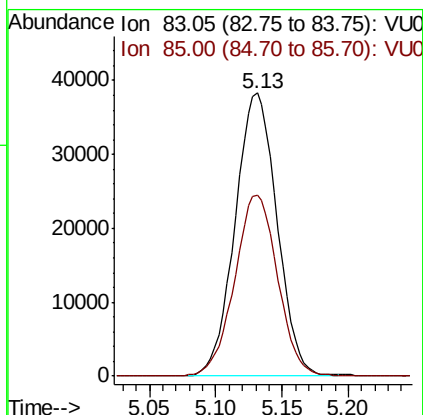
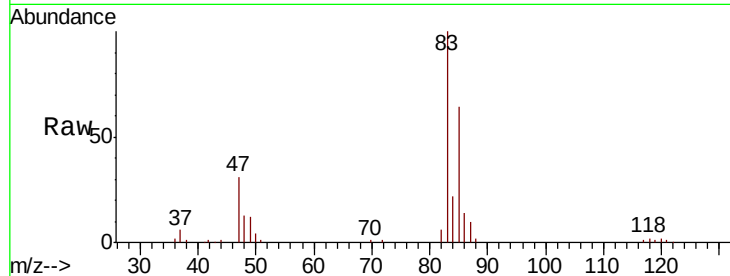




#25
Chloroform
Concen: 5.121 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036826.D
Acq: 18 Feb 2020 10:25

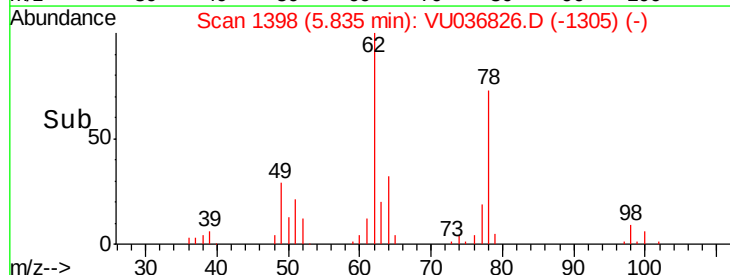
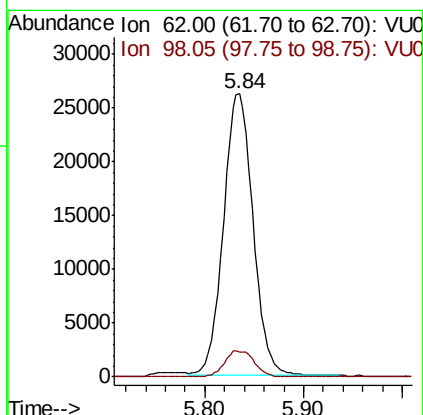
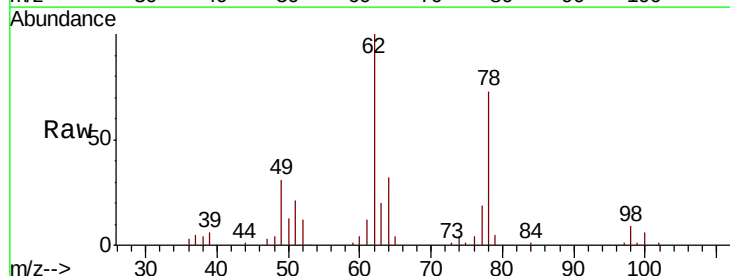
Instrument :
MSVOA_U
ClientSampleId :

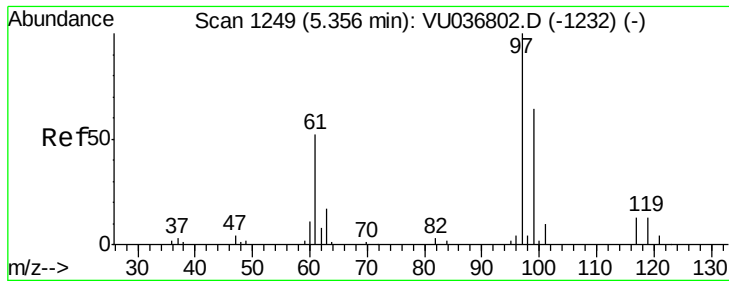
Tot Ion: 83 Resp: 84066
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.281 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036826.D
Acq: 18 Feb 2020 10:25

Tgt Ion: 62 Resp: 55253
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.4

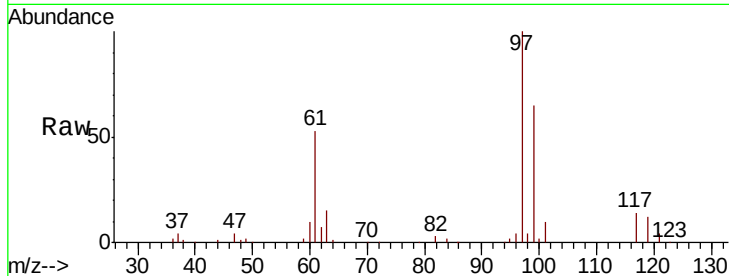




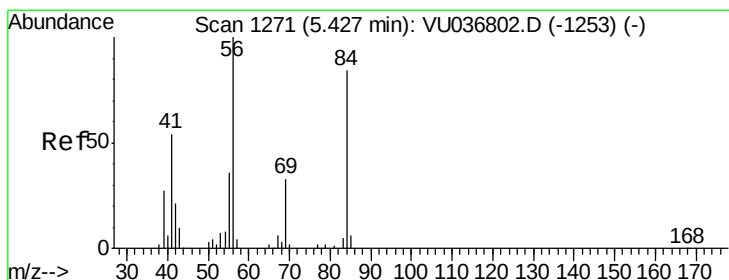
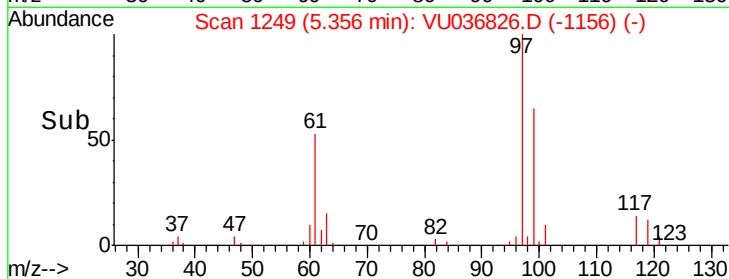
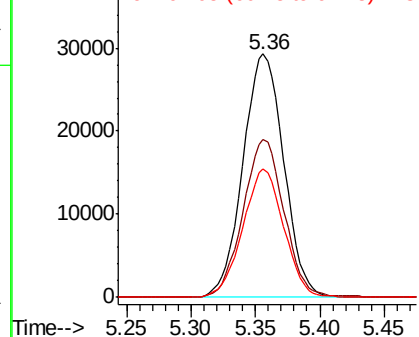
#29
 1,1,1-Trichloroethane
 Concen: 5.412 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 64658
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.0 76.4
 61 52.8 41.6 62.4

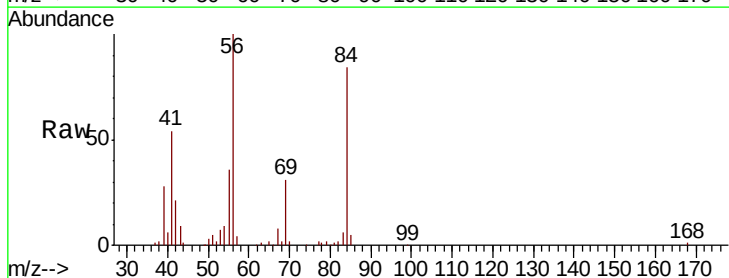


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

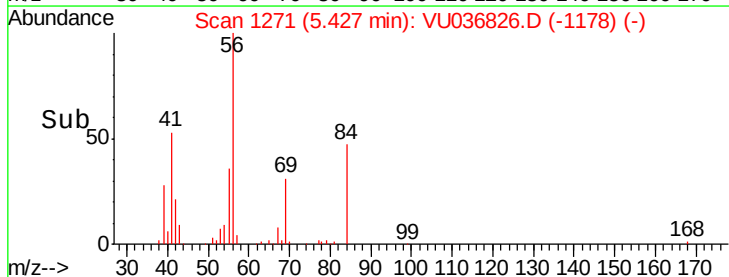
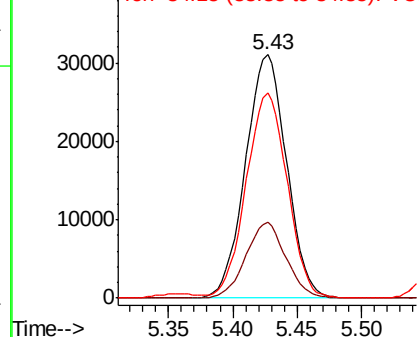


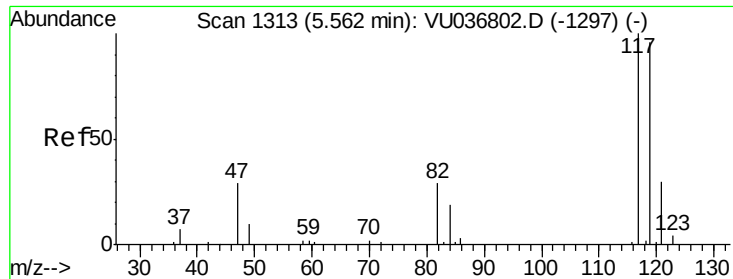
#30
 Cyclohexane
 Concen: 5.434 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

Tgt Ion: 56 Resp: 68956
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.6 37.0
 84 84.4 70.0 105.0



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: 5.248 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

Instrument :

MSVOA_U

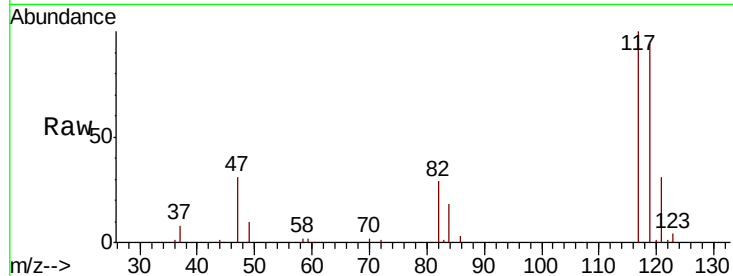
ClientSampleId :

Tot Ion:117 Resp: 50585

Ion Ratio Lower Upper

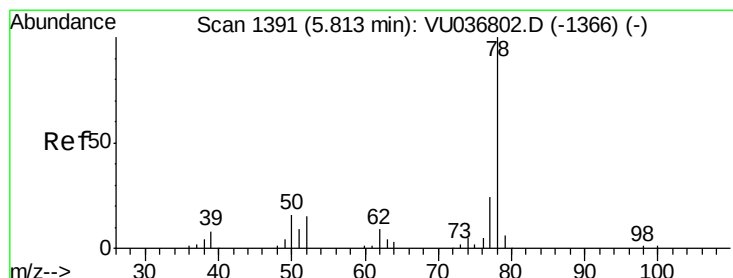
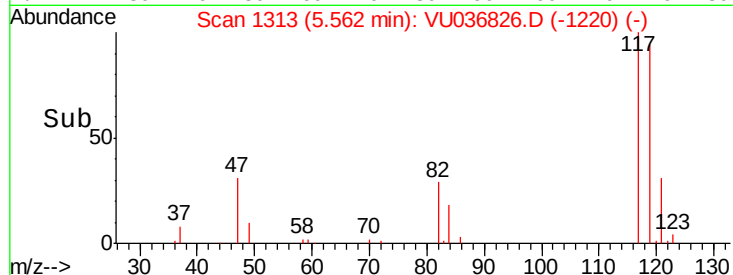
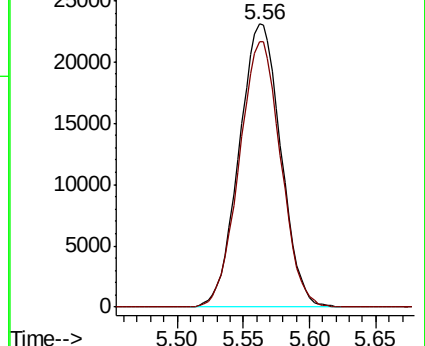
117 100

119 93.4 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.452 ug/L

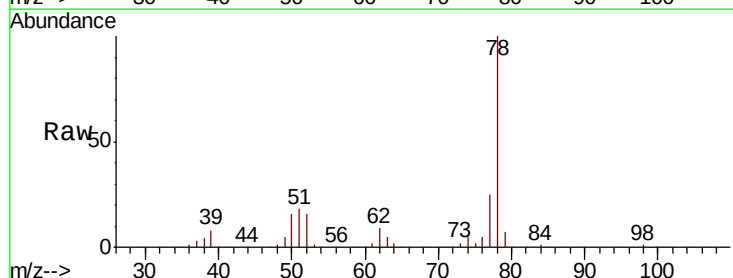
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

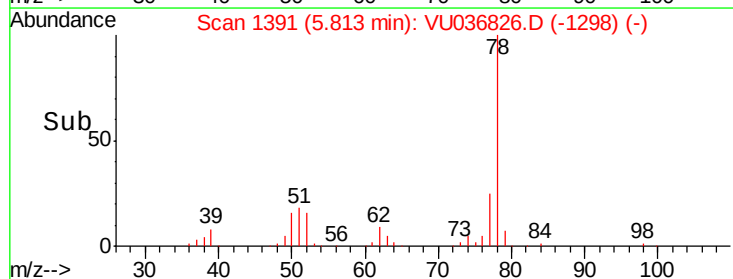
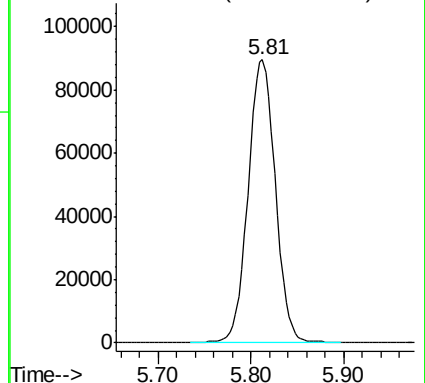
Lab File: VU036826.D

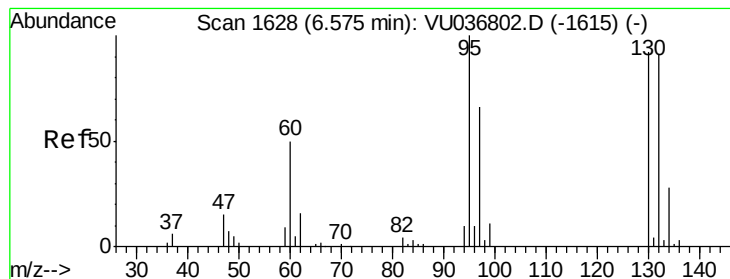
Acq: 18 Feb 2020 10:25

Tgt Ion: 78 Resp: 182927



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.492 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 46934

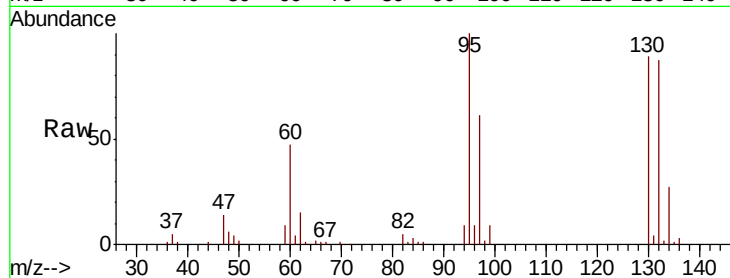
Ion Ratio Lower Upper

95 100

97 61.5 45.6 84.8

132 86.7 62.8 116.6

130 88.5 63.8 118.4



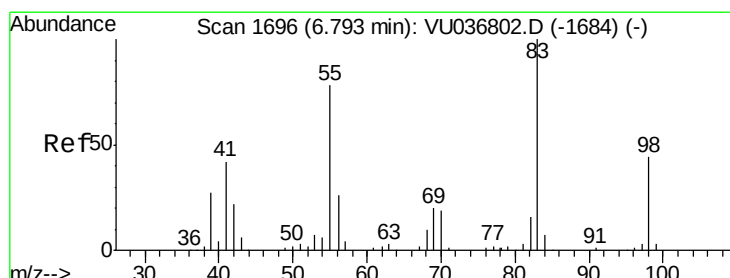
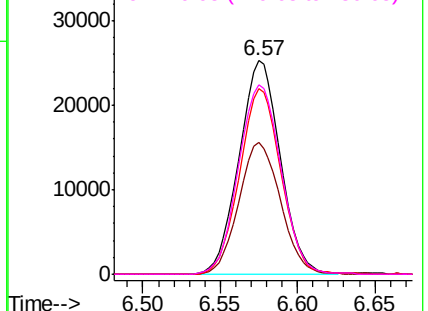
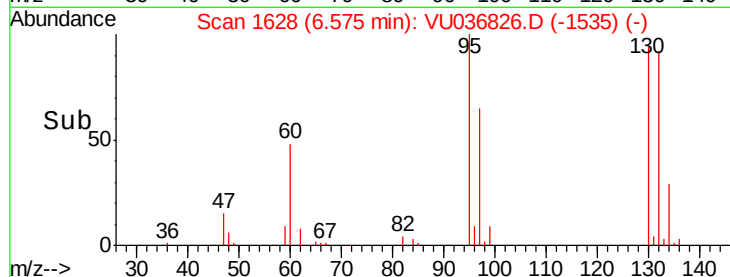
Abundance

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: 5.222 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

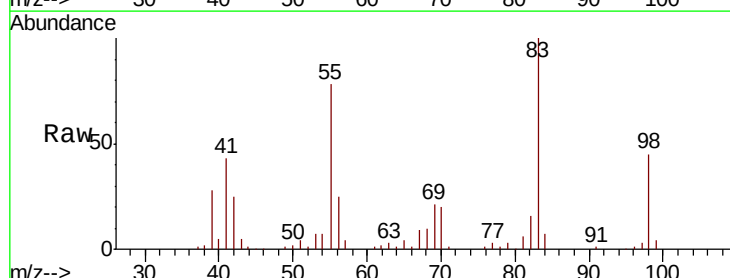
Tgt Ion: 83 Resp: 70811

Ion Ratio Lower Upper

83 100

55 77.8 61.0 91.4

98 45.0 34.2 51.4

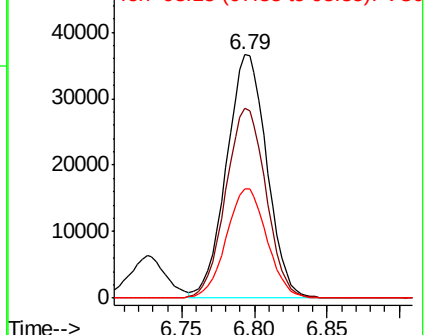
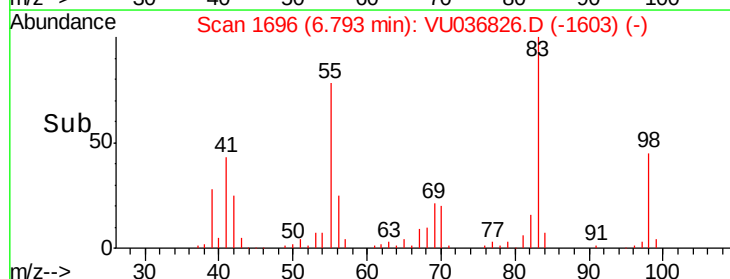


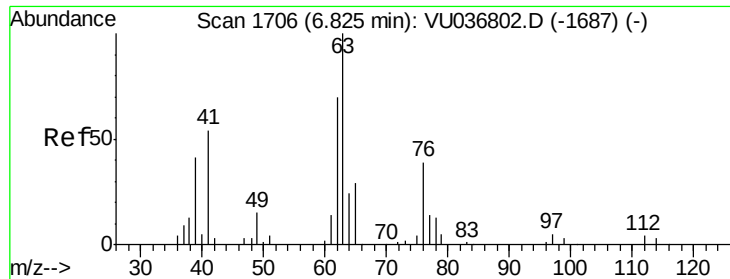
Abundance

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

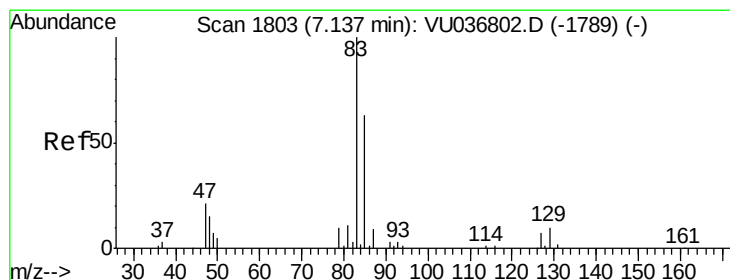
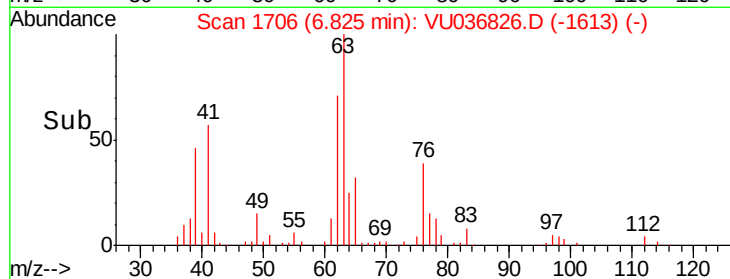
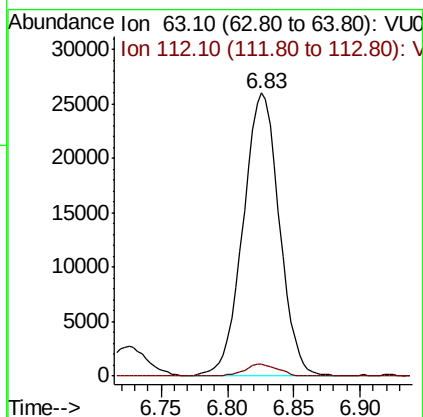
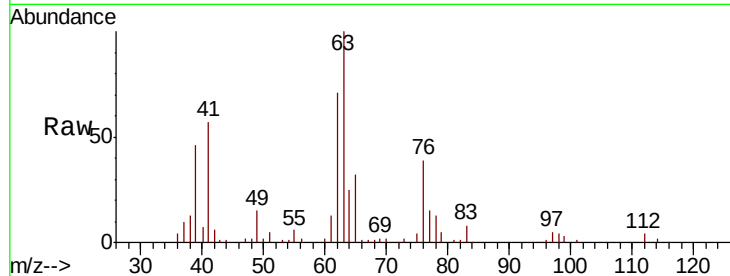




#37
 1,2-Dichloropropane
 Concen: 5.392 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

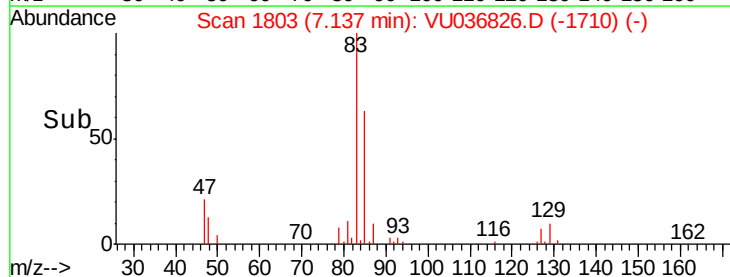
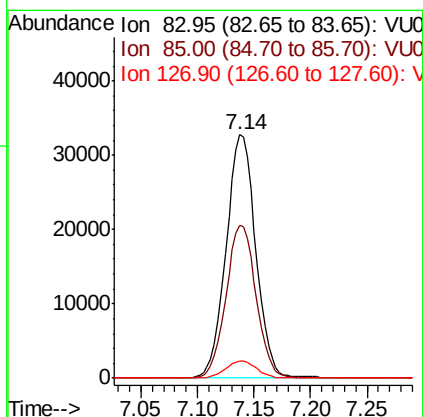
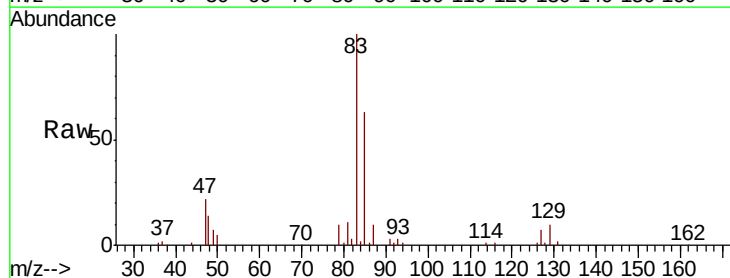
Instrument :
 MSVOA_U
 ClientSampleId :

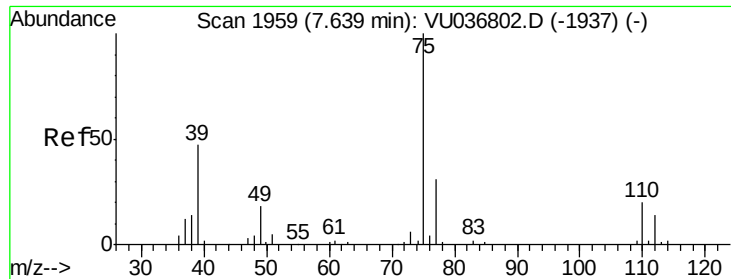
Tot Ion: 63 Resp: 49403
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.474 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

Tgt Ion: 83 Resp: 59846
 Ion Ratio Lower Upper
 83 100
 85 62.9 43.0 80.0
 127 7.1 6.3 9.5

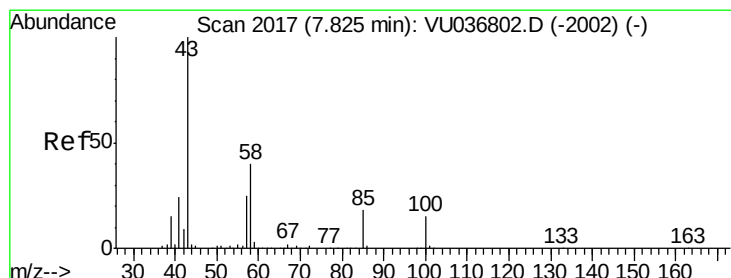
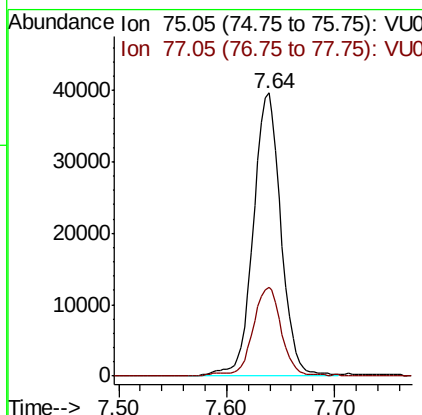
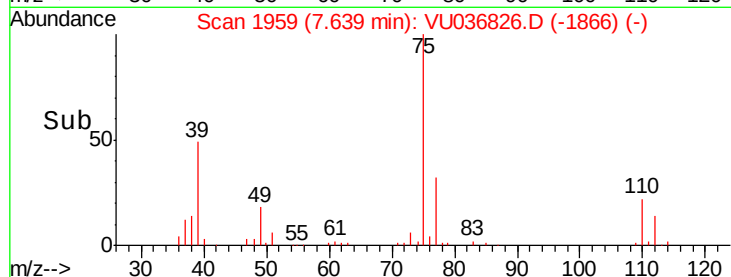
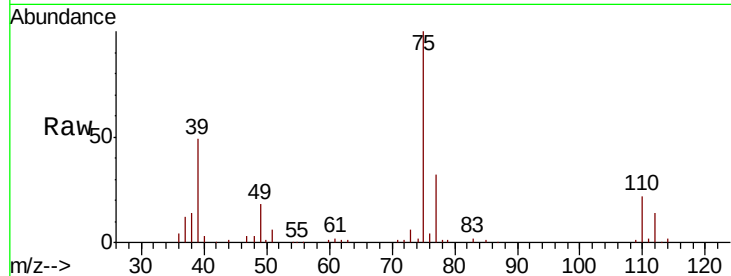




#39
 cis-1,3-Dichloropropene
 Concen: 5.343 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

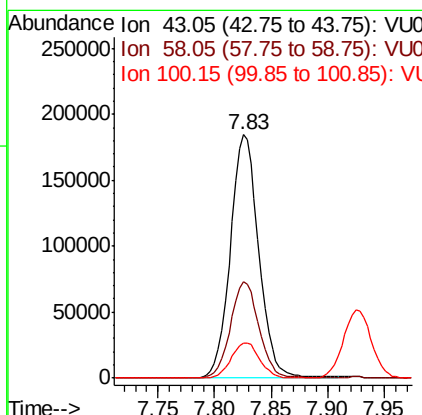
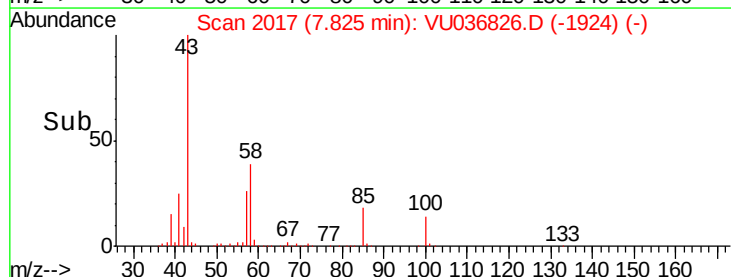
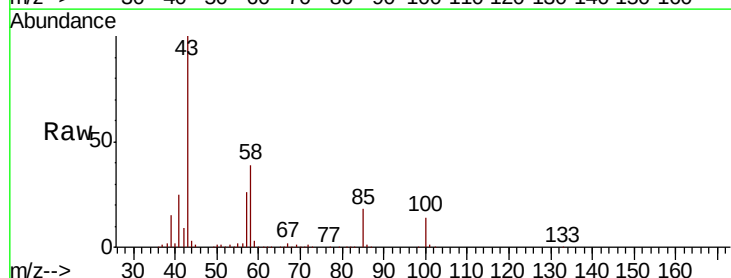
Instrument :
 MSVOA_U
 ClientSampleId :

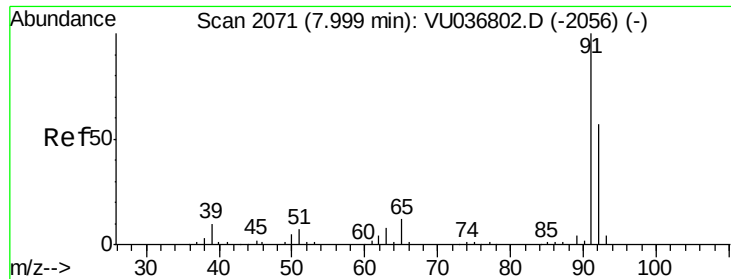
Tot Ion: 75 Resp: 70827
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 54.541 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

Tgt Ion: 43 Resp: 322445
 Ion Ratio Lower Upper
 43 100
 58 39.8 32.0 48.0
 100 14.7 11.8 17.8





#42

Toluene

Concen: 5.478 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

Instrument :

MSVOA_U

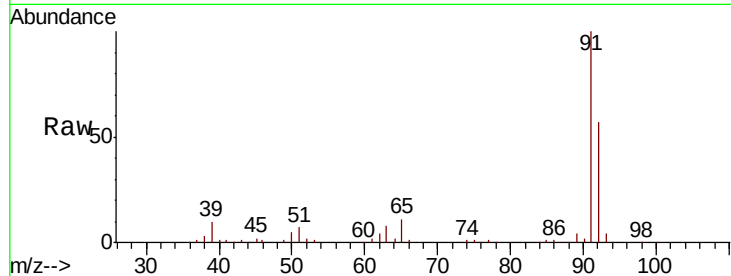
ClientSampled :

Tot Ion: 91 Resp: 197398

Ion Ratio Lower Upper

91 100

92 57.3 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036802.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036802.D (-2056) (-)

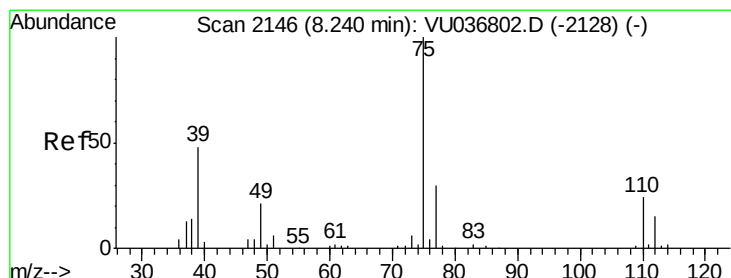
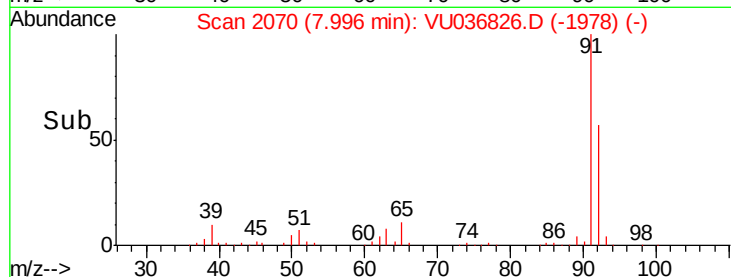
8.00

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.391 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU036826.D

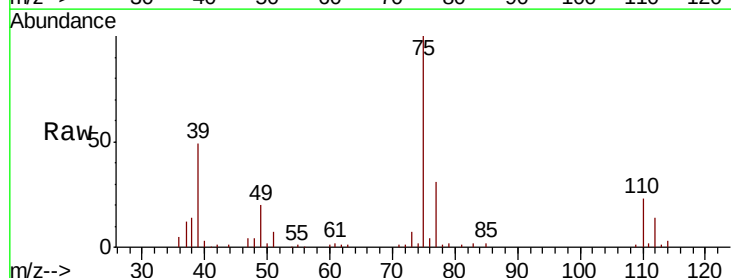
Acq: 18 Feb 2020 10:25

Tgt Ion: 75 Resp: 55849

Ion Ratio Lower Upper

75 100

77 31.1 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036802.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU036802.D (-2128) (-)

8.24

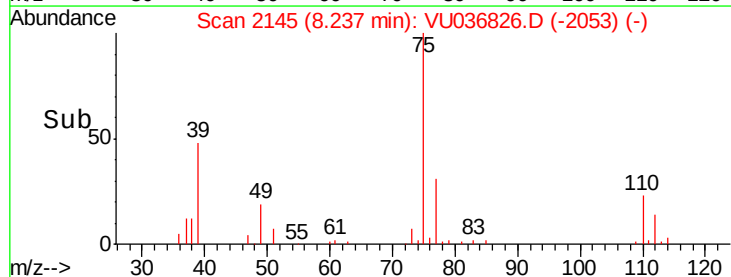
30000

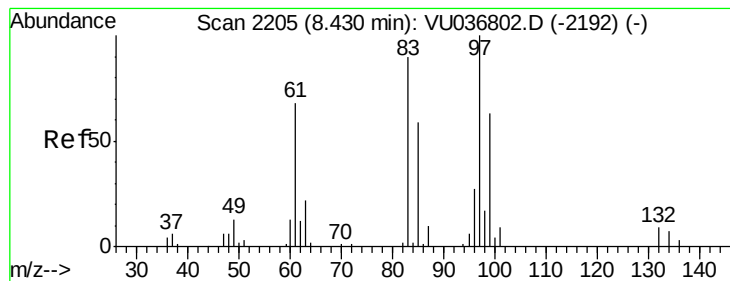
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.541 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 35317

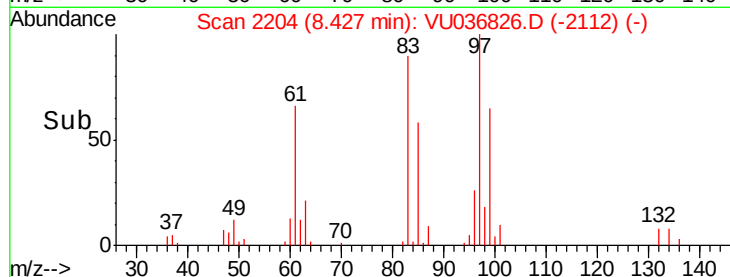
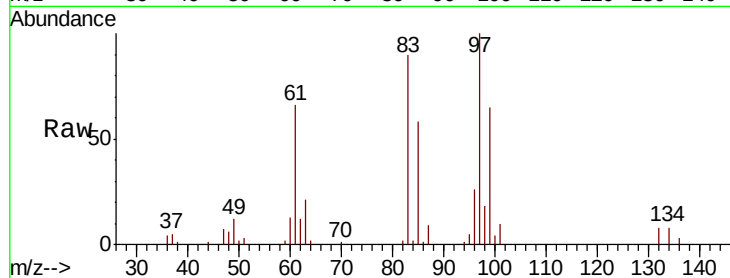
Ion Ratio Lower Upper

97 100

99 64.7 44.1 81.9

83 89.6 63.5 117.9

85 57.9 41.2 76.4



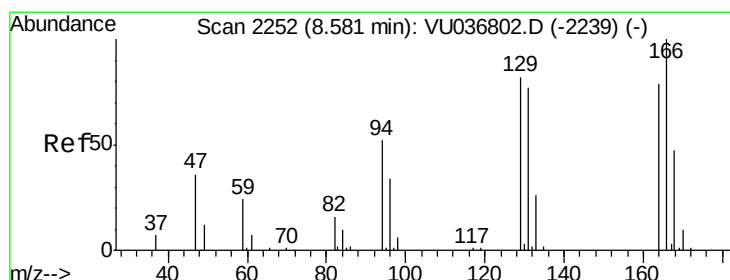
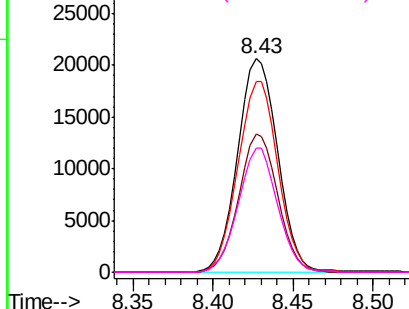
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.156 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

Tgt Ion: 164 Resp: 29973

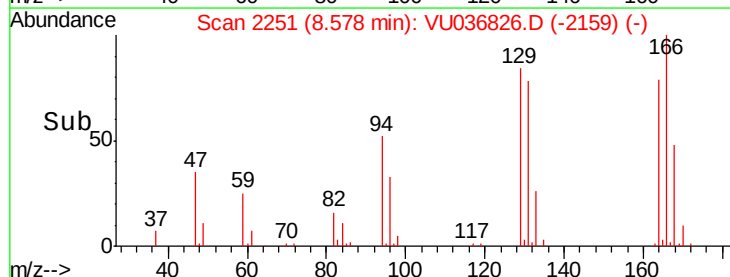
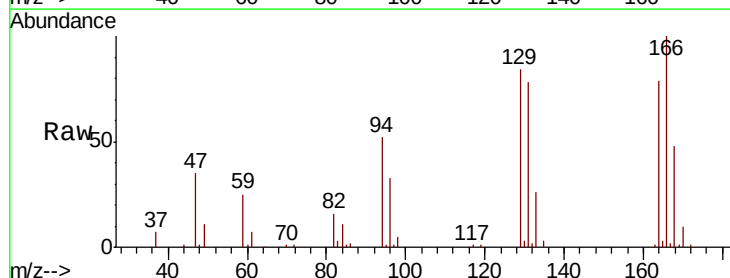
Ion Ratio Lower Upper

164 100

129 105.7 68.0 126.4

131 98.5 69.4 128.8

166 126.3 86.6 160.8



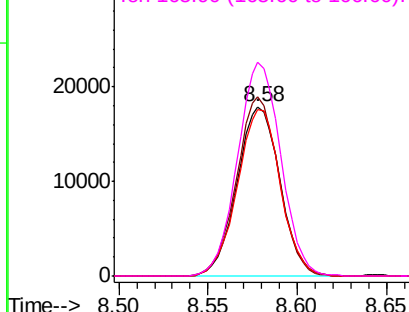
Abundance

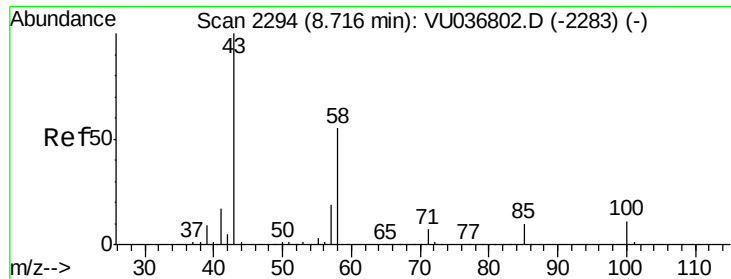
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

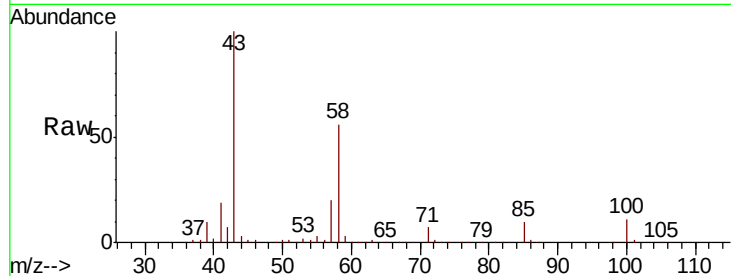




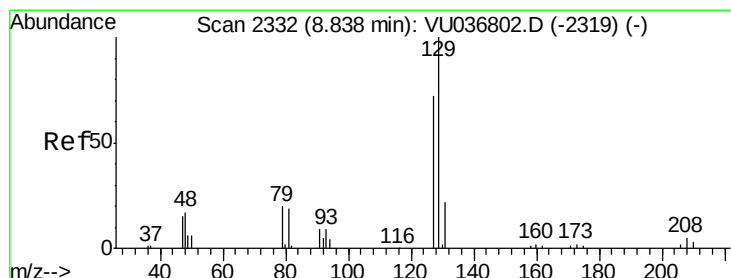
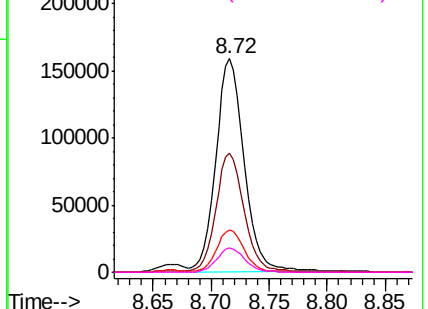
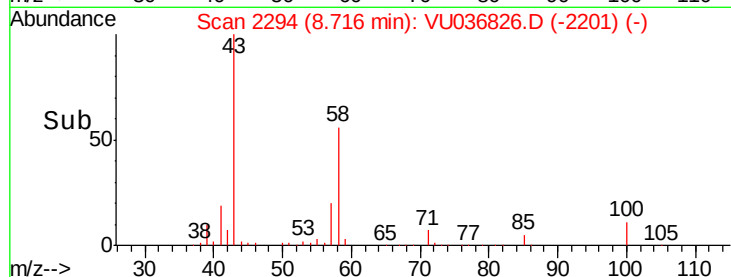
#48
2-Hexanone
Concen: 52.997 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VU036826.D
Acq: 18 Feb 2020 10:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 268128
Ion Ratio Lower Upper
43 100
58 57.2 43.6 65.4
57 19.6 15.0 22.4
100 11.5 9.0 13.6

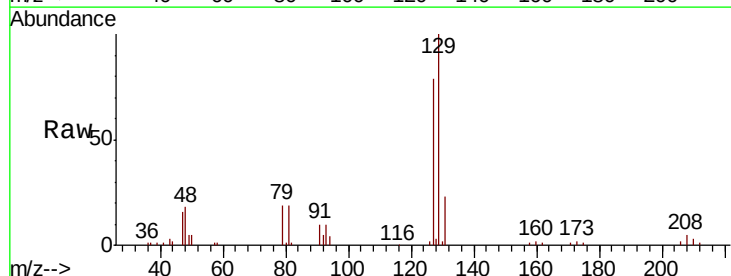


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

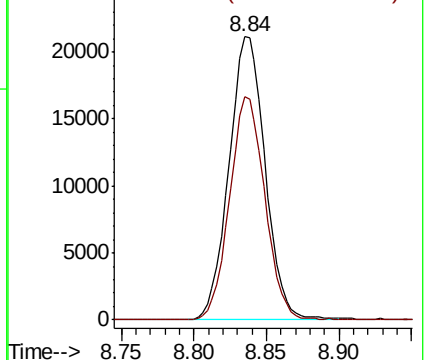
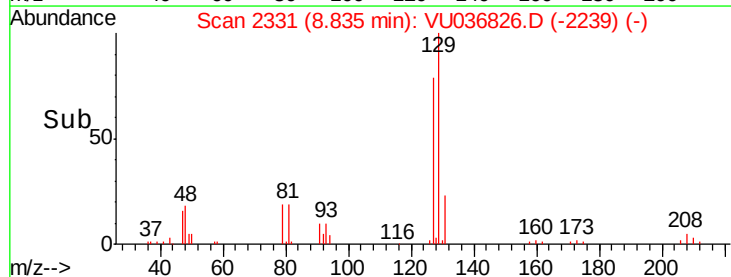


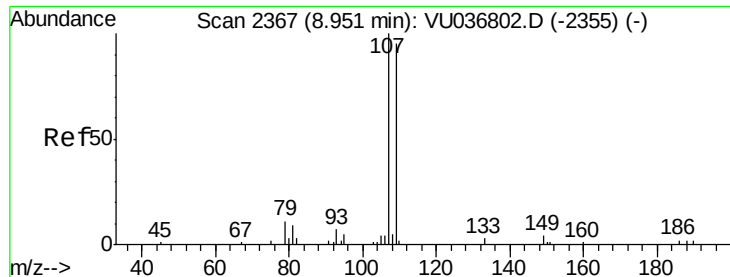
#49
Dibromochloromethane
Concen: 5.559 ug/L
RT: 8.84 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU036826.D
Acq: 18 Feb 2020 10:25

Tgt Ion: 129 Resp: 36644
Ion Ratio Lower Upper
129 100
127 78.8 56.7 105.3



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

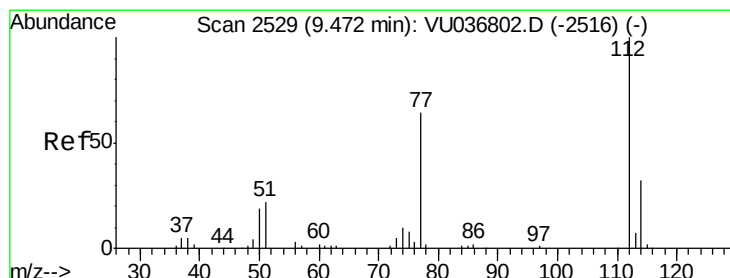
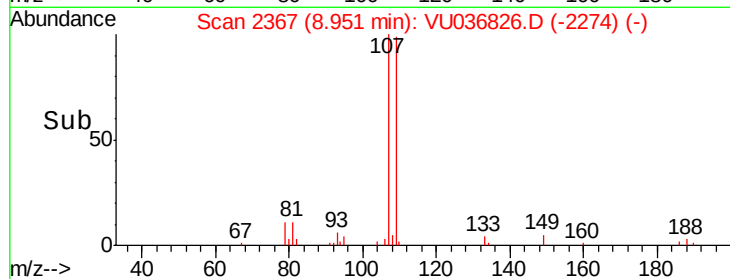
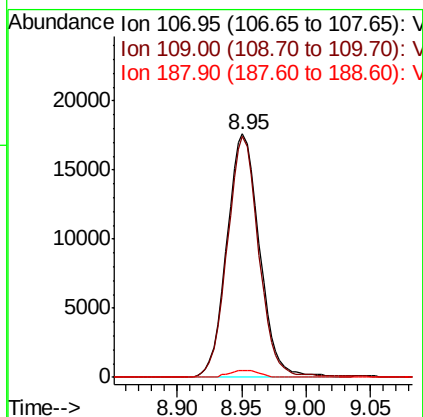
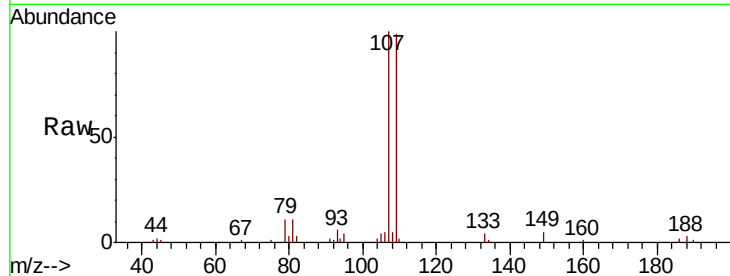




#50
 1,2-Dibromoethane
 Concen: 5.393 ug/L
 RT: 8.95 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

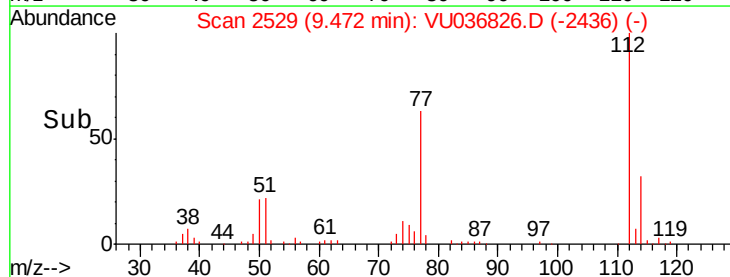
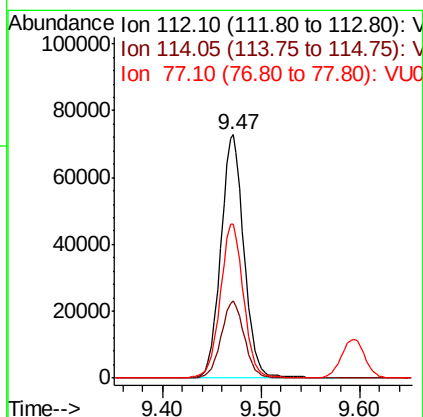
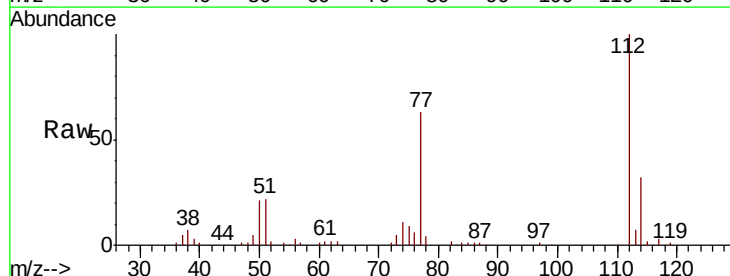
Instrument :
 MSVOA_U
 ClientSampled :

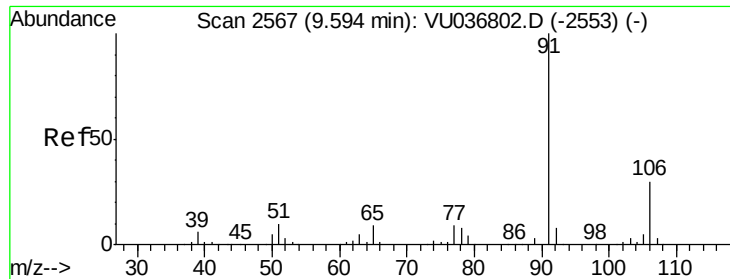
Tot Ion:107 Resp: 31045
 Ion Ratio Lower Upper
 107 100
 109 99.0 66.4 123.2
 188 2.7 2.4 3.6



#51
 Chlorobenzene
 Concen: 5.374 ug/L
 RT: 9.47 min Scan# 2529
 Delta R.T. 0.00 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

Tgt Ion:112 Resp: 119810
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.9 42.5
 77 63.5 51.0 76.4





#52

Ethylbenzene

Concen: 5.319 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

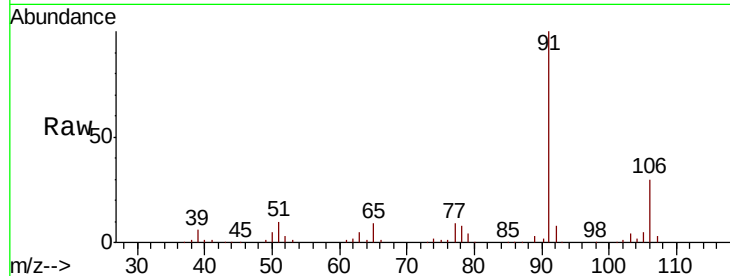
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 214087

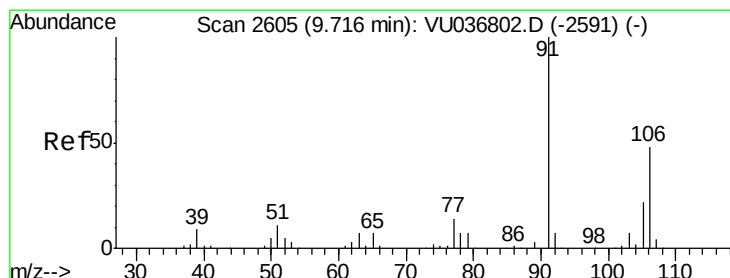
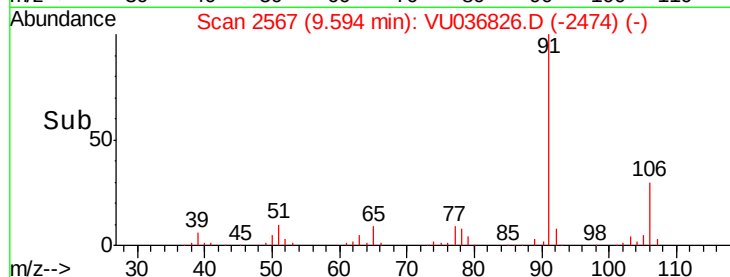
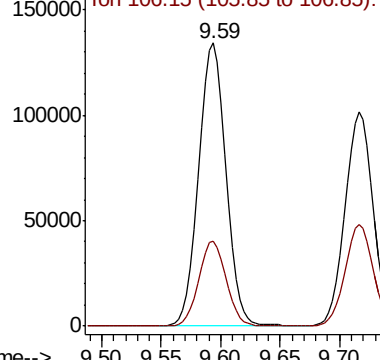
Ion Ratio Lower Upper

91 100

106 29.8 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036826.D (-2553) (-)



#53

m,p-Xylene

Concen: 5.345 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU036826.D

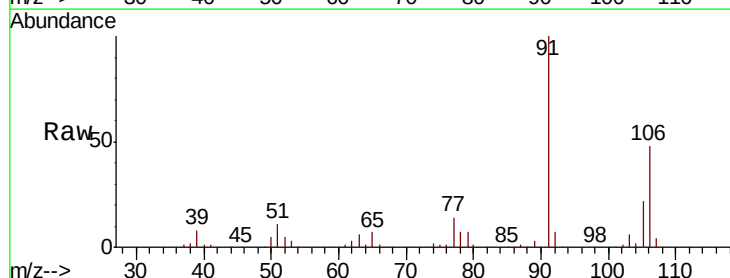
Acq: 18 Feb 2020 10:25

Tgt Ion: 106 Resp: 79174

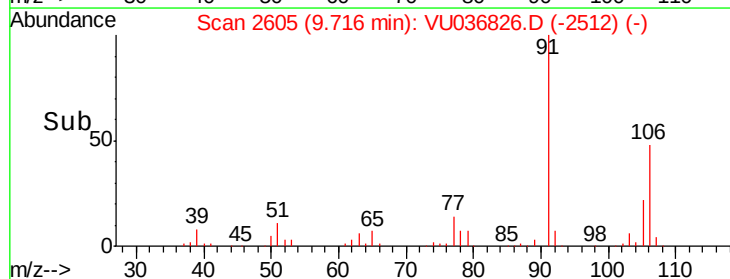
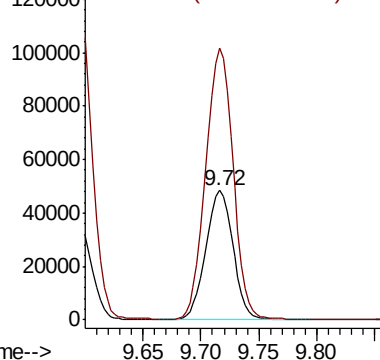
Ion Ratio Lower Upper

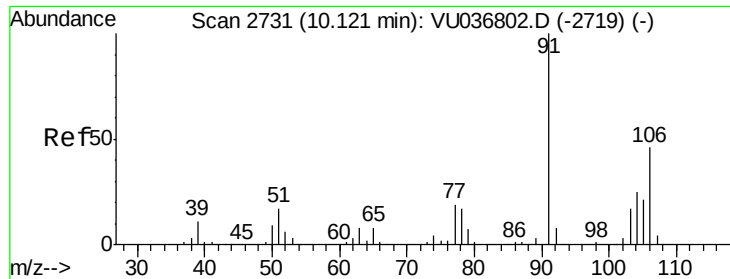
106 100

91 209.8 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036826.D (-2512) (-)

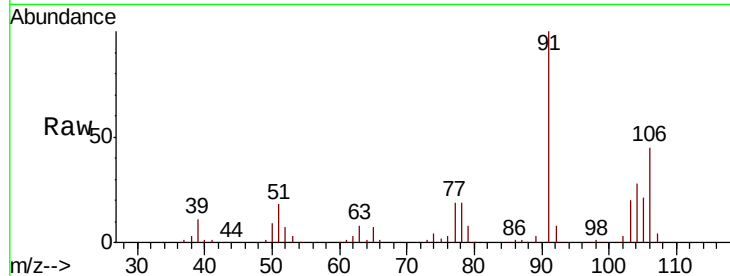




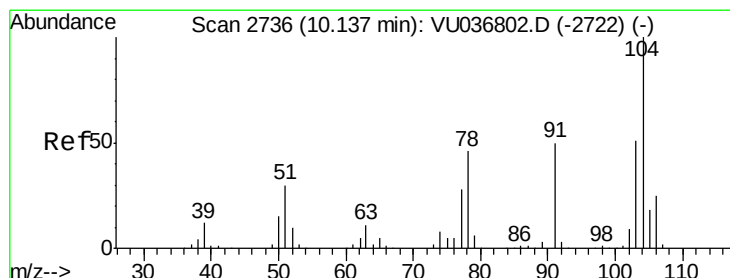
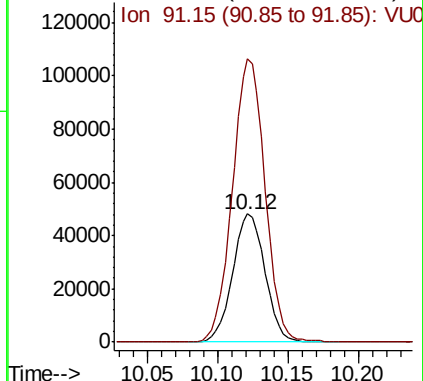
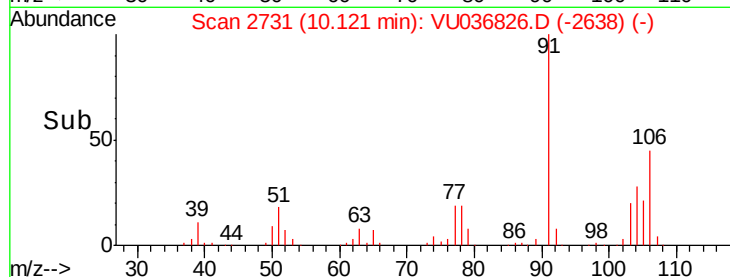
#54
o-Xylene
Concen: 5.316 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU036826.D
Acq: 18 Feb 2020 10:25

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 77329
Ion Ratio Lower Upper
106 100
91 220.5 151.1 280.5

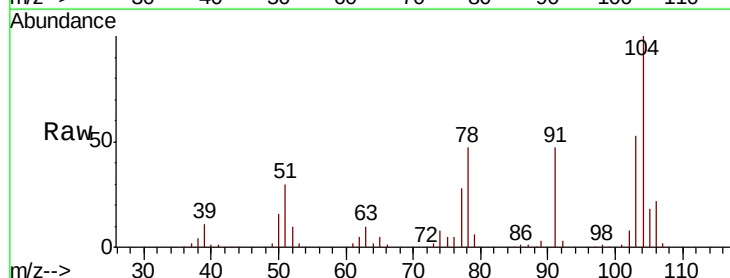


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

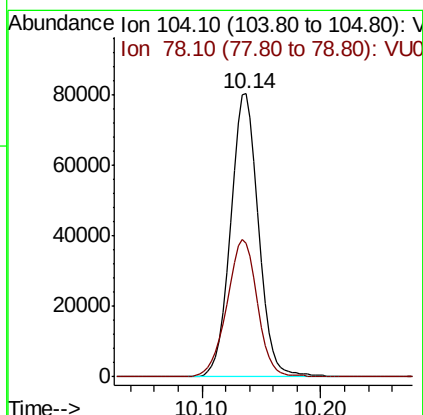
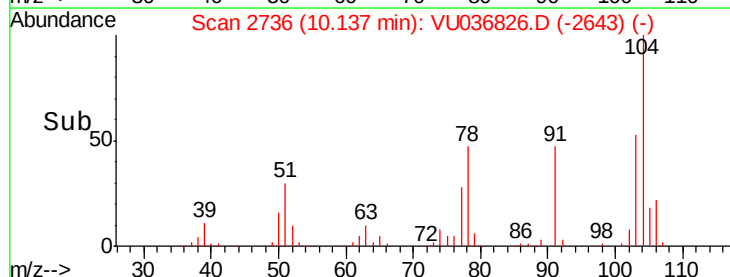


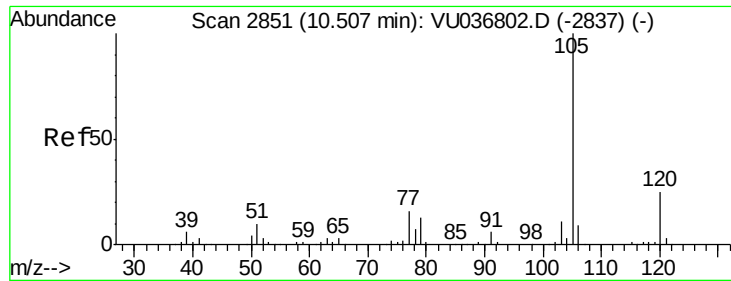
#55
Styrene
Concen: 5.320 ug/L
RT: 10.14 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VU036826.D
Acq: 18 Feb 2020 10:25

Tgt Ion:104 Resp: 130448
Ion Ratio Lower Upper
104 100
78 47.2 33.5 62.3



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





#56

Isopropylbenzene

Concen: 5.336 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

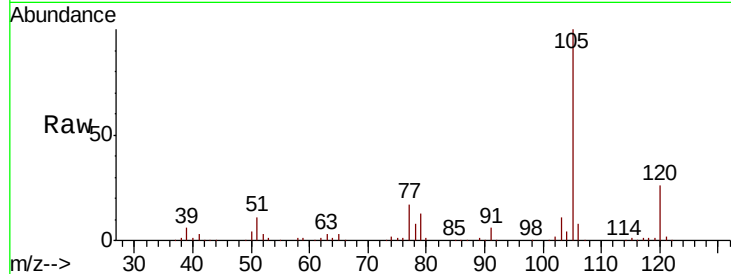
Tot Ion:105 Resp: 207704

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

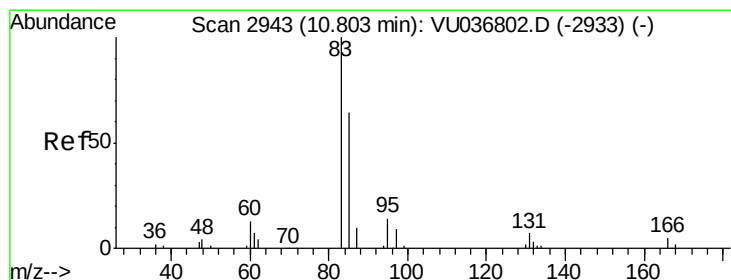
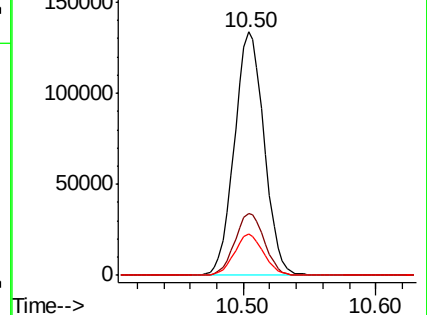
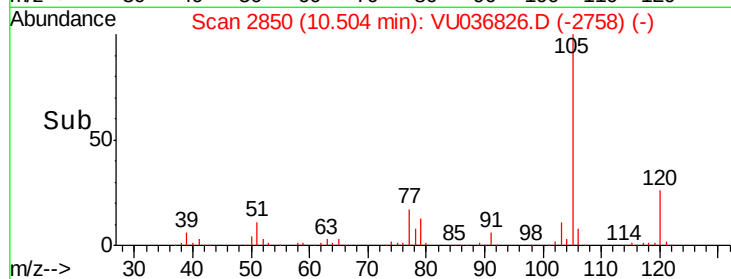
77 16.7 13.0 19.6



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: 5.548 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

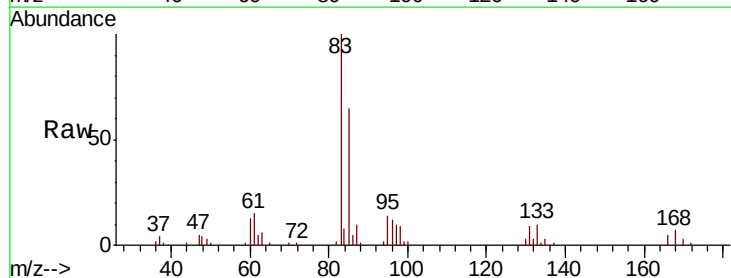
Tgt Ion: 83 Resp: 46290

Ion Ratio Lower Upper

83 100

85 64.9 45.6 84.6

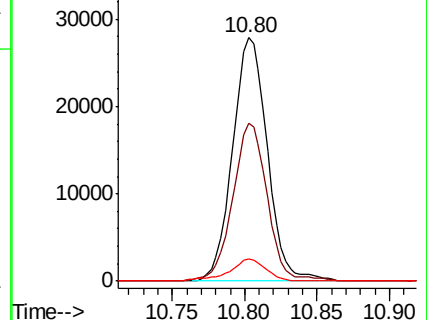
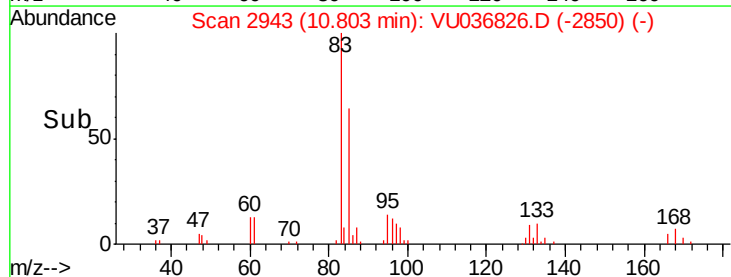
131 9.0 6.8 10.2

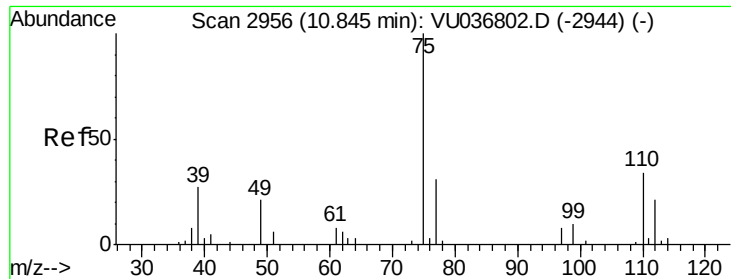


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.372 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

Instrument :

MSVOA_U

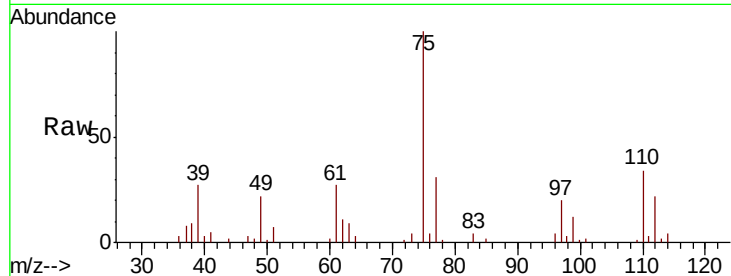
ClientSampleId :

Tot Ion: 75 Resp: 32496

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU036826.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU036826.D (-2944) (-)

10.84

20000

15000

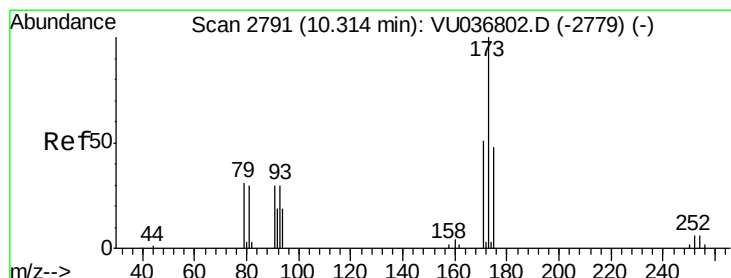
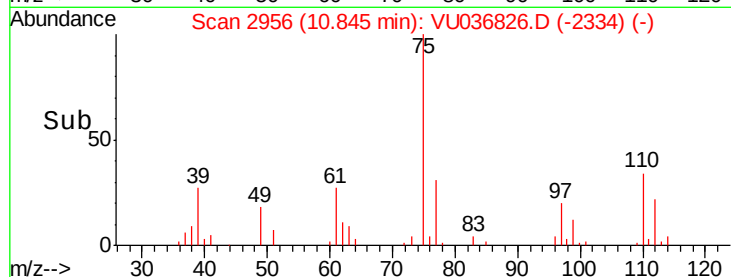
10000

5000

0

10.80 10.85 10.90

Time-->



#61

Bromoform

Concen: 5.489 ug/L

RT: 10.31 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

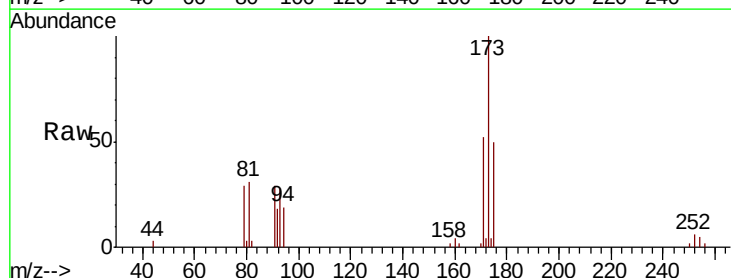
Tgt Ion: 173 Resp: 18268

Ion Ratio Lower Upper

173 100

175 48.8 39.9 59.9

254 4.7 4.6 6.8



Abundance Ion 172.90 (172.60 to 173.60): VU036826.D (-2779) (-)

Ion 174.90 (174.60 to 175.60): VU036826.D (-2779) (-)

Ion 253.75 (253.45 to 254.45): VU036826.D (-2779) (-)

10.31

15000

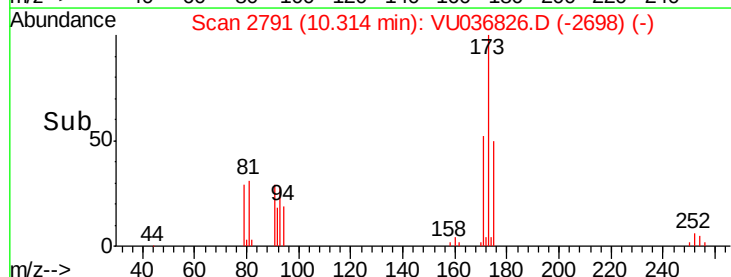
10000

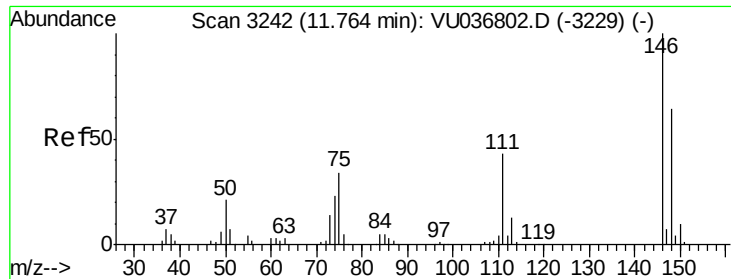
5000

0

10.25 10.30 10.35

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.328 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

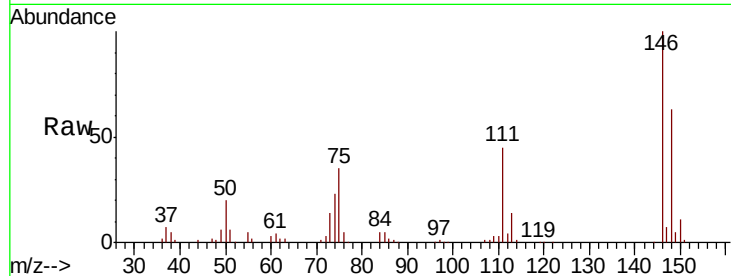
Tot Ion:146 Resp: 88664

Ion Ratio Lower Upper

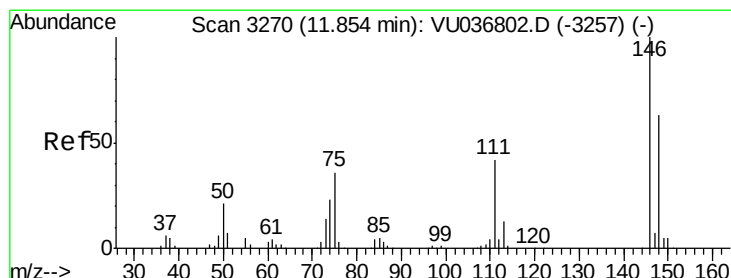
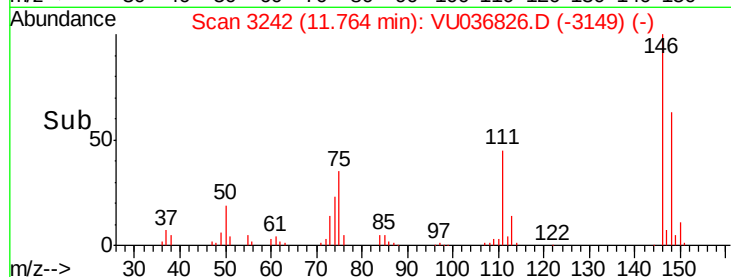
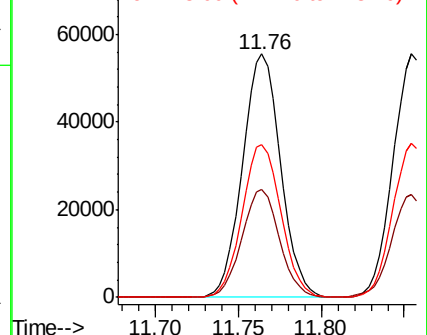
146 100

111 44.7 30.0 55.8

148 62.9 44.5 82.7



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



#63

1,4-Dichlorobenzene

Concen: 5.318 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

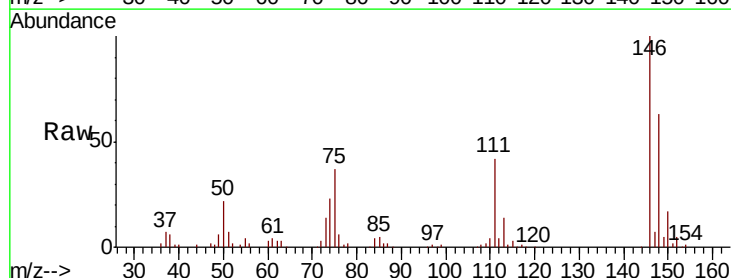
Tgt Ion:146 Resp: 87731

Ion Ratio Lower Upper

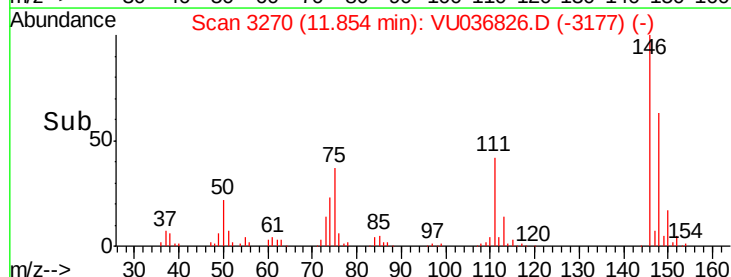
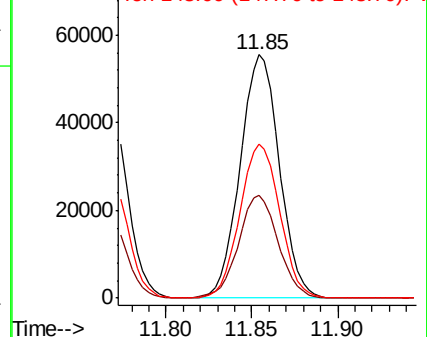
146 100

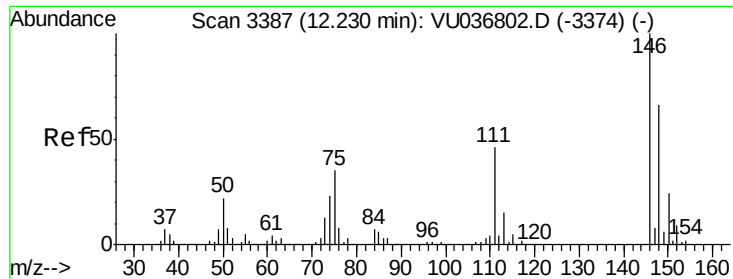
111 42.5 29.2 54.2

148 63.4 44.3 82.3



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

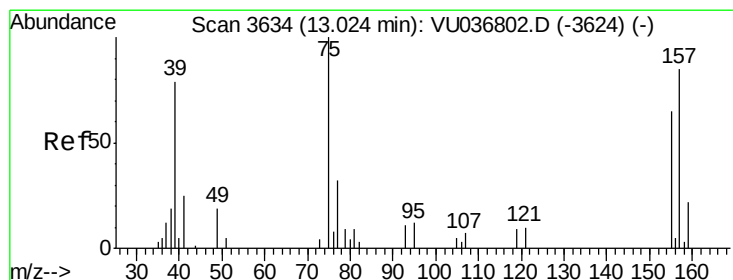
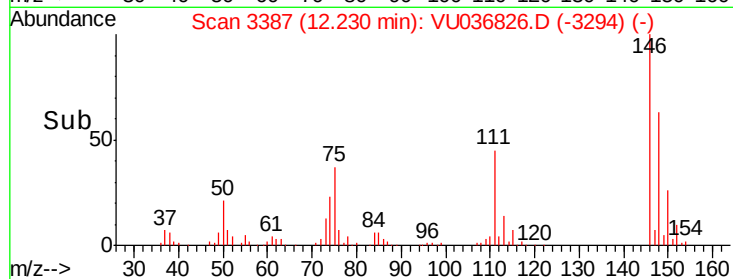
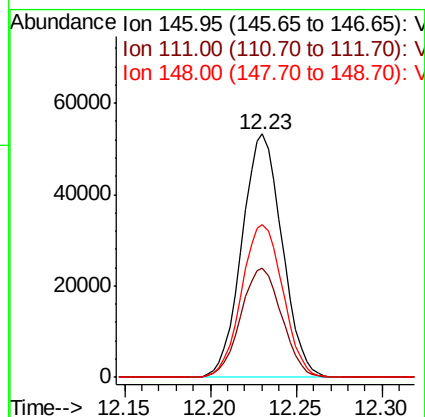
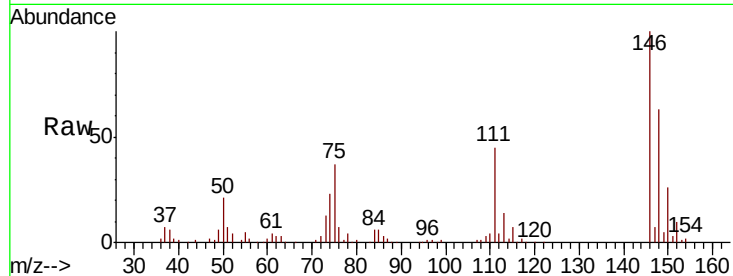




#65
 1,2-Dichlorobenzene
 Concen: 5.394 ug/L
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

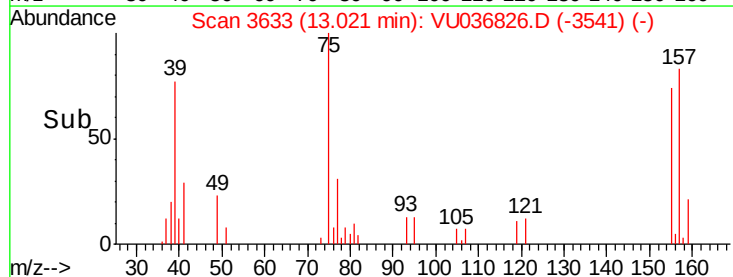
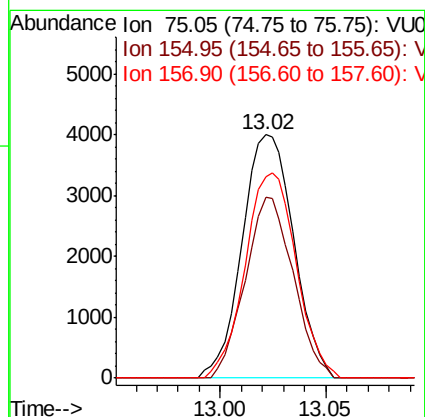
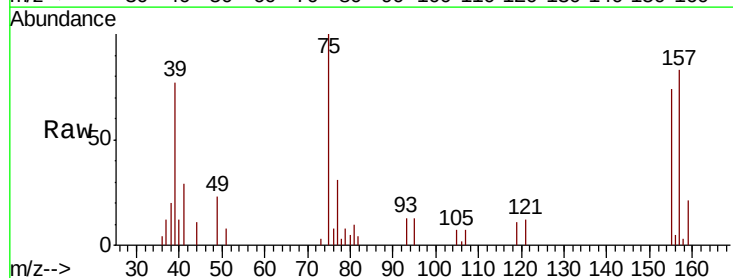
Instrument :
 MSVOA_U
 ClientSampleId :

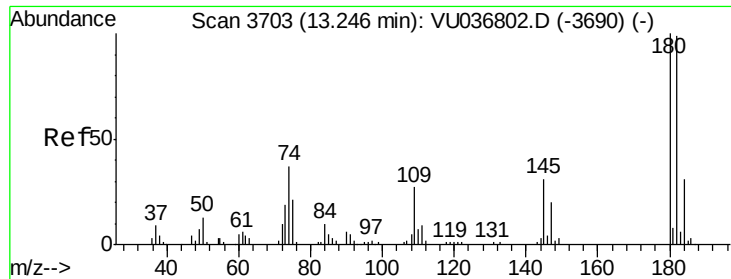
Tot Ion:146 Resp: 86537
 Ion Ratio Lower Upper
 146 100
 111 44.6 35.9 53.9
 148 62.7 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.695 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

Tgt Ion: 75 Resp: 6818
 Ion Ratio Lower Upper
 75 100
 155 74.3 52.9 79.3
 157 82.8 69.2 103.8

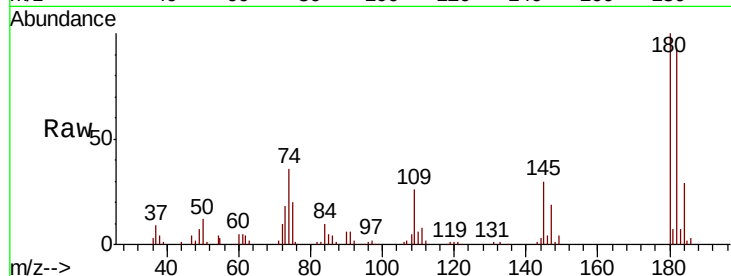




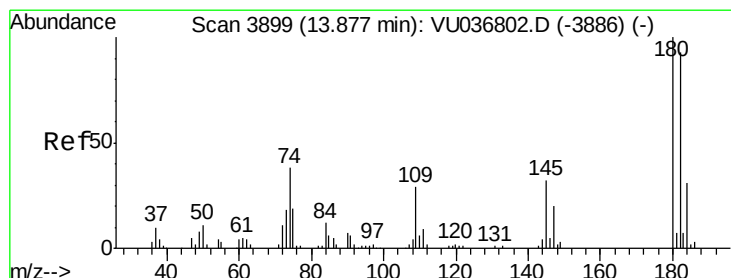
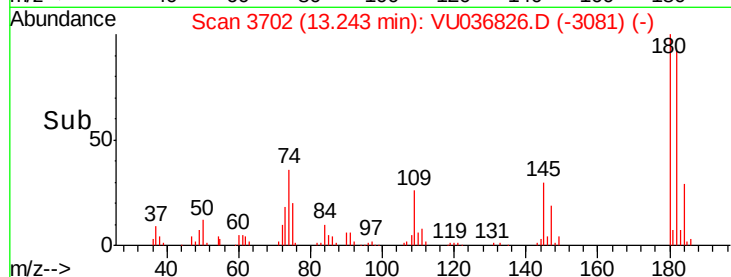
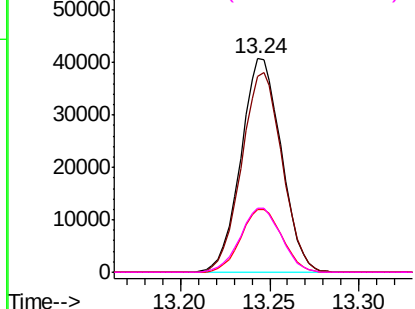
#67
 1,3,5-Trichlorobenzene
 Concen: 5.528 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 64762
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.4 114.6
 184 29.9 24.6 37.0
 145 30.4 25.3 37.9

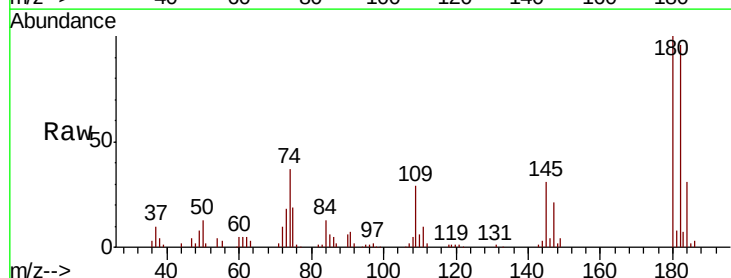


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

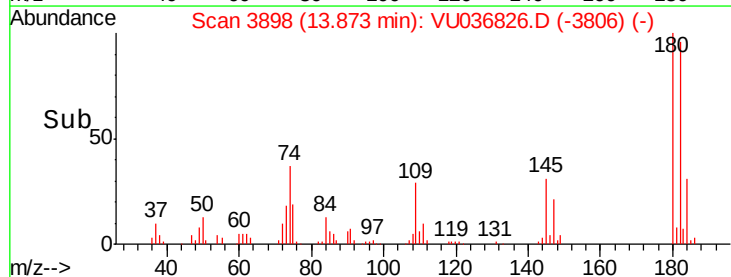
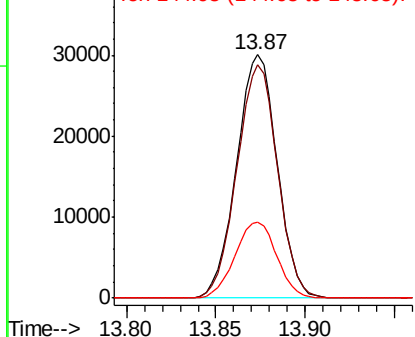


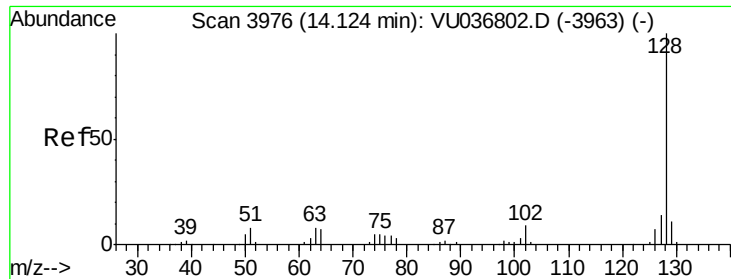
#68
 1,2,4-trichlorobenzene
 Concen: 5.400 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. -0.00 min
 Lab File: VU036826.D
 Acq: 18 Feb 2020 10:25

Tgt Ion:180 Resp: 47710
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.0 115.6
 145 32.2 26.5 39.7



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: 5.300 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

Instrument :

MSVOA_U

ClientSampleId :

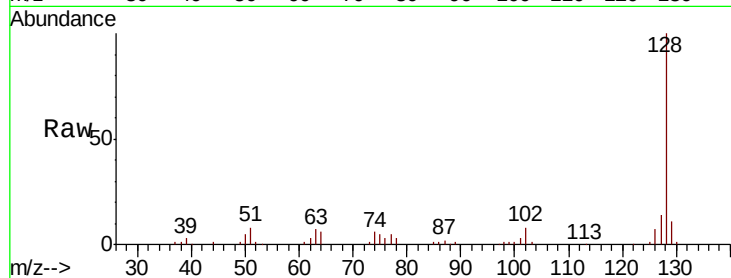
Tot Ion:128 Resp: 84837

Ion Ratio Lower Upper

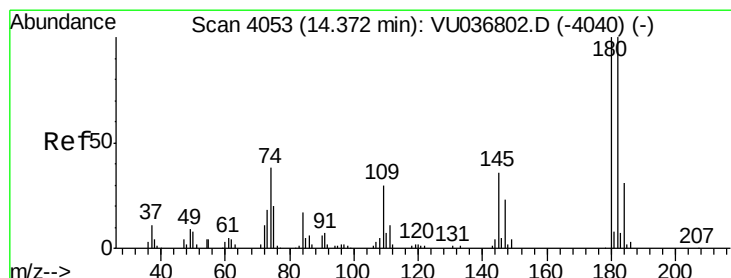
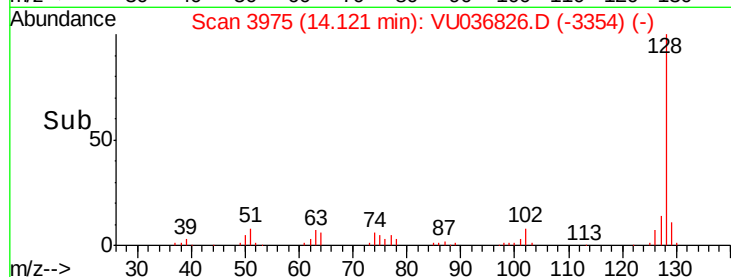
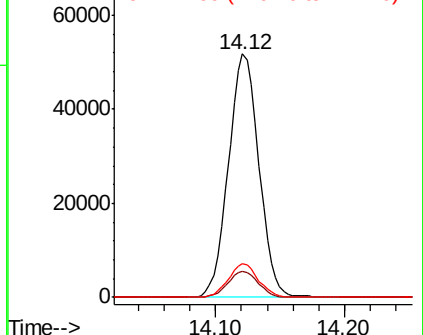
128 100

129 10.6 9.0 13.4

127 13.5 10.8 16.2



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: 5.662 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. -0.01 min

Lab File: VU036826.D

Acq: 18 Feb 2020 10:25

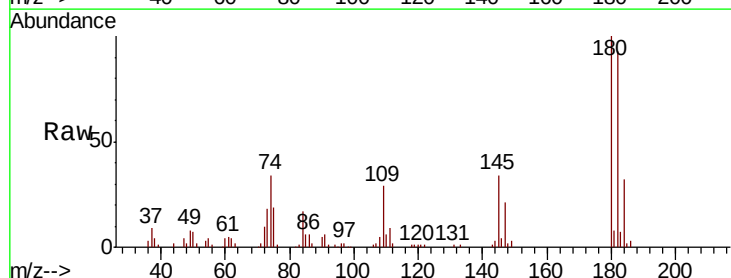
Tgt Ion:180 Resp: 44891

Ion Ratio Lower Upper

180 100

182 95.1 78.2 117.4

145 33.9 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

