

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021020\
 Data File : VU036702.D
 Acq On : 10 Feb 2020 10:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 11 03:23:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 10 16:50:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	269386	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	253895	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	115034	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	80744	44.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.88%
7) Chloroethane-d5	1.93	69	74920	44.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.94%
11) 1,1-Dichloroethene-d2	2.59	63	161021	47.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.94%
21) 2-Butanone-d5	4.68	46	147106	95.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.97%
24) Chloroform-d	5.11	84	154085	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.78%
26) 1,2-Dichloroethane-d4	5.74	65	100939	45.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.78%
32) Benzene-d6	5.77	84	311450	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.32%
36) 1,2-Dichloropropane-d6	6.73	67	103322	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.26%
41) Toluene-d8	7.93	98	280613	45.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.82%
43) trans-1,3-Dichloropropene-	8.21	79	49249	46.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.84%
47) 2-Hexanone-d5	8.66	63	116761	92.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.33%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	152206	46.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.22%
66) 1,2-Dichlorobenzene-d4	12.21	152	98349	47.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	97128	52.185	ug/L 97
3) Chloromethane	1.54	50	114942	52.115	ug/L 99
5) Vinyl chloride	1.62	62	124772	52.540	ug/L 98
6) Bromomethane	1.87	94	75042	50.396	ug/L 99
8) Chloroethane	1.95	64	75826	50.308	ug/L 99
9) Trichlorofluoromethane	2.16	101	144694	51.274	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	89903	53.188	ug/L 100
12) 1,1-Dichloroethene	2.60	96	85840	52.165	ug/L 97
13) Acetone	2.66	43	200756	123.298	ug/L 99
14) Carbon disulfide	2.82	76	252977	51.444	ug/L 100
15) Methyl Acetate	2.99	43	119536	50.782	ug/L 100
16) Methylene chloride	3.08	84	103879	51.146	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	91301	52.146	ug/L 97
18) Methyl tert-butyl Ether	3.41	73	314913	51.823	ug/L 99
19) 1,1-Dichloroethane	3.92	63	181906	52.143	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	103962	52.112	ug/L 97
22) 2-Butanone	4.75	43	219618	113.647	ug/L 100

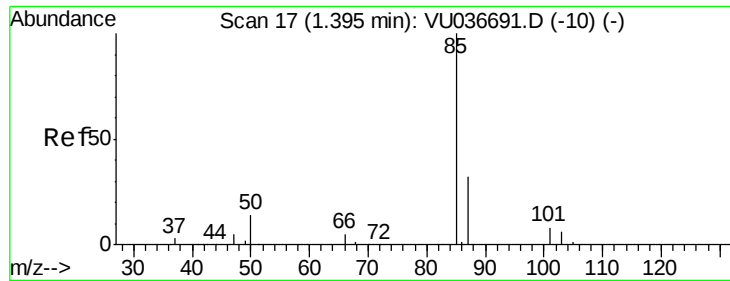
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021020\
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 Quant Title : VOC Analysis
 QLast Update : Mon Feb 10 16:50:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	47781	51.111	ug/L	99
25) Chloroform	5.13	83	175402	51.698	ug/L	99
27) 1,2-Dichloroethane	5.84	62	146412	51.315	ug/L	100
29) Cyclohexane	5.43	56	169845	52.078	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	139571	51.750	ug/L	99
31) Carbon tetrachloride	5.57	117	113723	52.076	ug/L	99
33) Benzene	5.81	78	399110	51.971	ug/L	100
34) Trichloroethene	6.58	95	98543	51.892	ug/L	98
35) Methylcyclohexane	6.80	83	173264	51.809	ug/L	99
37) 1,2-Dichloropropane	6.83	63	108571	52.430	ug/L	100
38) Bromodichloromethane	7.14	83	131481	52.249	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	170693	51.589	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	325961	99.629	ug/L	99
42) Toluene	8.00	91	426981	51.455	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	150323	52.006	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	97421	51.569	ug/L	98
46) Tetrachloroethene	8.58	164	66147	49.637	ug/L	99
48) 2-Hexanone	8.72	43	286013	107.164	ug/L	100
49) Dibromochloromethane	8.84	129	94397	51.088	ug/L	97
50) 1,2-Dibromoethane	8.95	107	100834	50.808	ug/L	99
51) Chlorobenzene	9.47	112	251782	50.390	ug/L	99
52) Ethylbenzene	9.60	91	465945	51.102	ug/L	100
53) m,p-Xylene	9.72	106	173298	51.521	ug/L	99
54) o-xylene	10.12	106	169333	50.818	ug/L	99
55) Styrene	10.14	104	285926	51.487	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.81	83	173640	51.009	ug/L	100
59) Bromoform	10.32	173	65354	51.423	ug/L	100
60) 1,2,3-Trichloropropane	10.85	75	137250	50.722	ug/L	99
61) Isopropylbenzene	10.51	105	443754	51.806	ug/L	100
62) 1,3,5-Trimethylbenzene	11.11	105	385667	52.516	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	384258	52.400	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	188414	52.305	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	189606	52.282	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	190052	52.110	ug/L	98
68) 1,2-Dibromo-3-chloropropan	13.01	75	39684	51.319	ug/L	98
69) 1,3,5-Trichlorobenzene	13.23	180	134085	53.679	ug/L	100
70) 1,2,4-trichlorobenzene	13.85	180	115441	55.424	ug/L	99
71) Naphthalene	14.10	128	403750	54.991	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	111501	53.732	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 52.185 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

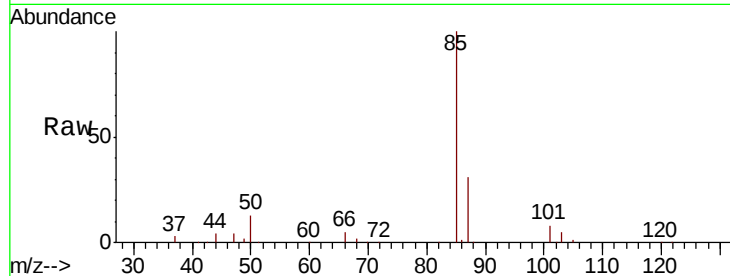
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 97128

Ion Ratio Lower Upper

85 100

87 30.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036691.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036691.D (-10) (-)

1.39

100000

80000

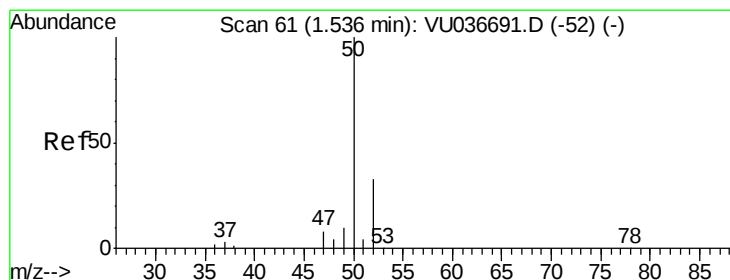
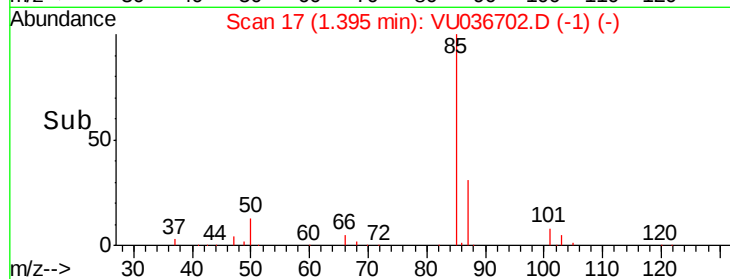
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 52.115 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036702.D

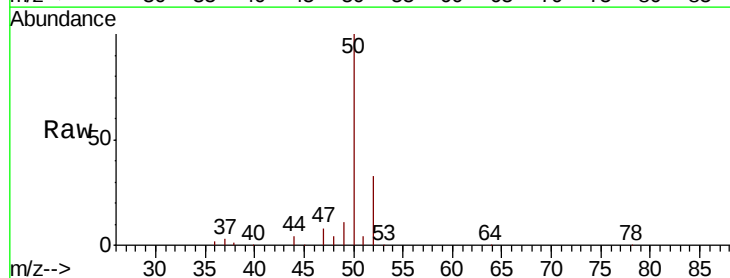
Acq: 10 Feb 2020 10:06

Tgt Ion: 50 Resp: 114942

Ion Ratio Lower Upper

50 100

52 33.3 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036691.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU036691.D (-52) (-)

1.54

120000

100000

80000

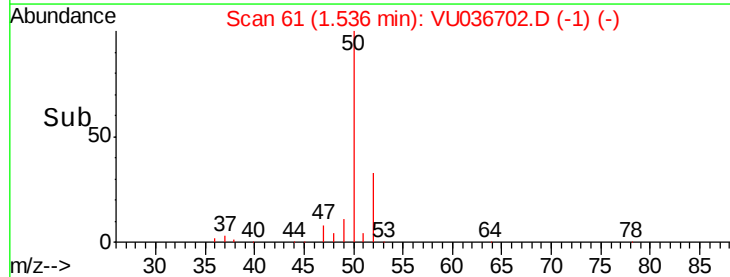
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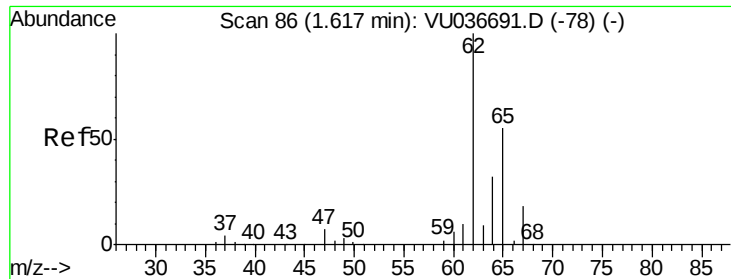
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 52.540 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

Instrument :

MSVOA_U

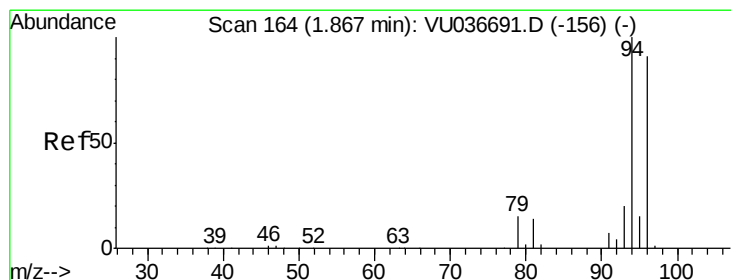
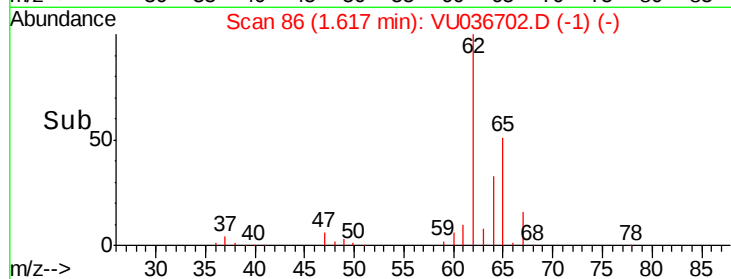
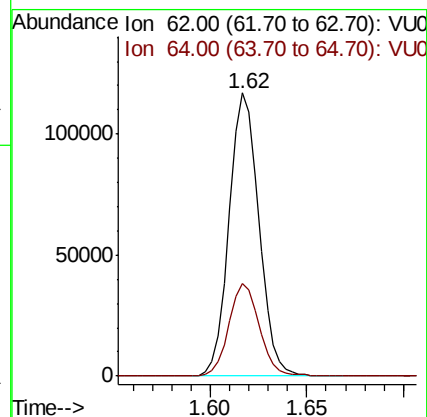
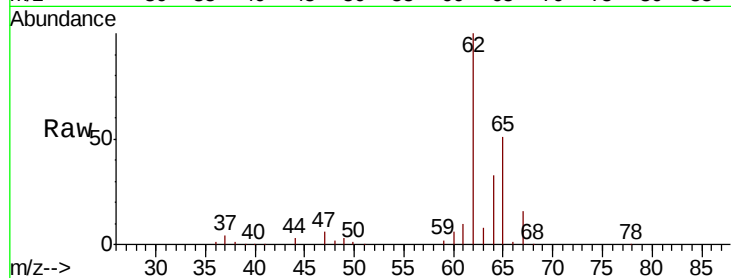
ClientSampleId :

Tot Ion: 62 Resp: 124772

Ion Ratio Lower Upper

62 100

64 32.6 23.4 43.6



#6

Bromomethane

Concen: 50.396 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU036702.D

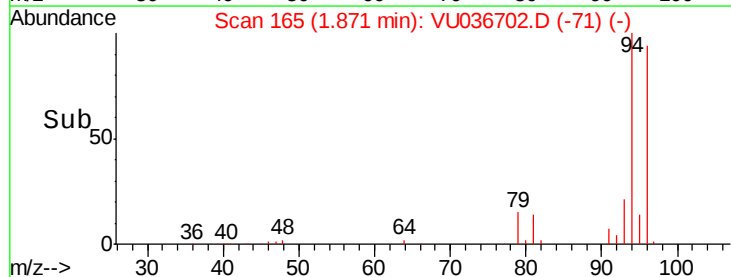
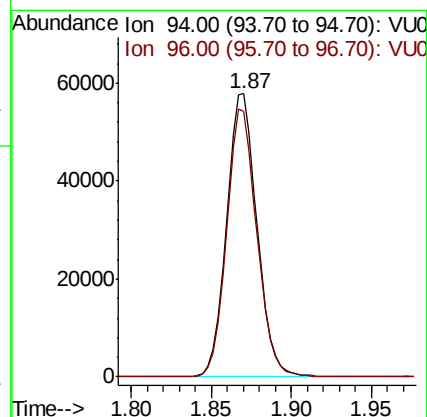
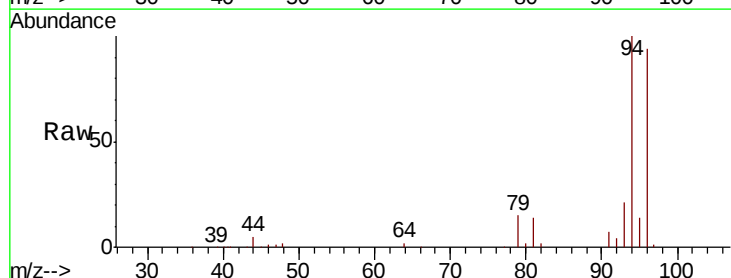
Acq: 10 Feb 2020 10:06

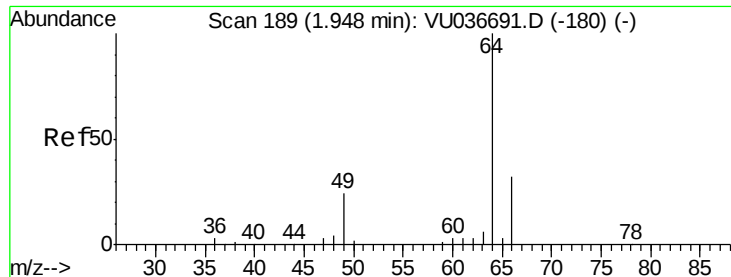
Tgt Ion: 94 Resp: 75042

Ion Ratio Lower Upper

94 100

96 94.0 66.3 123.1

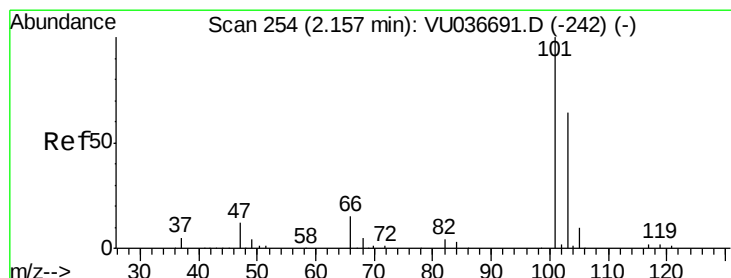
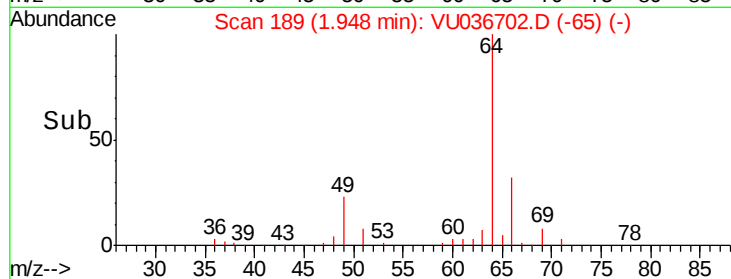
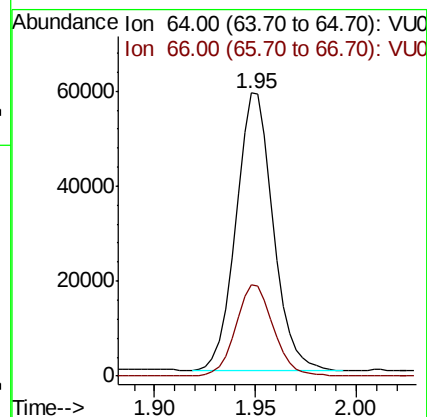
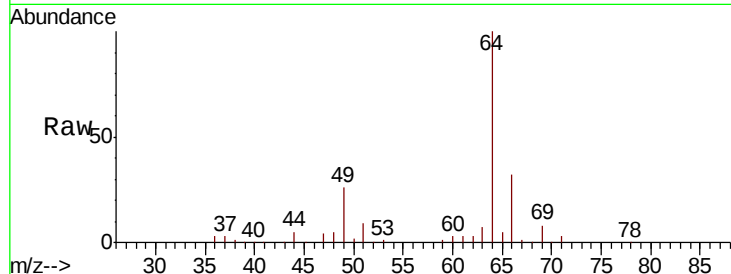




#8
Chloroethane
Concen: 50.308 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

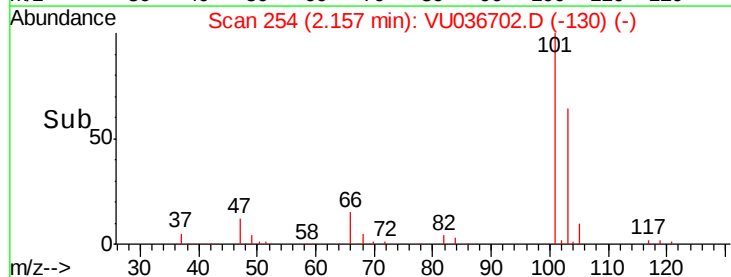
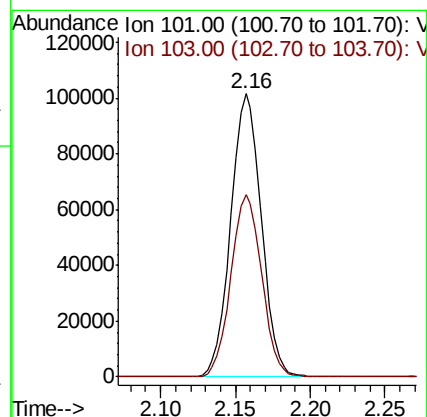
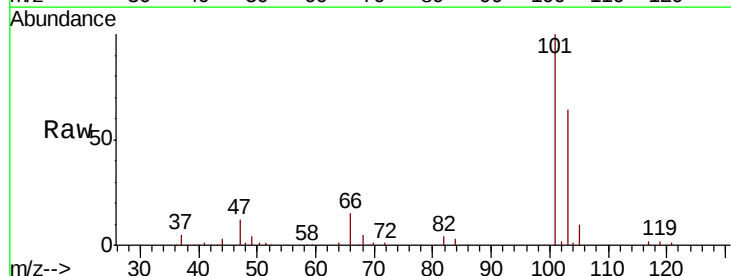
Instrument :
MSVOA_U
ClientSampleId :

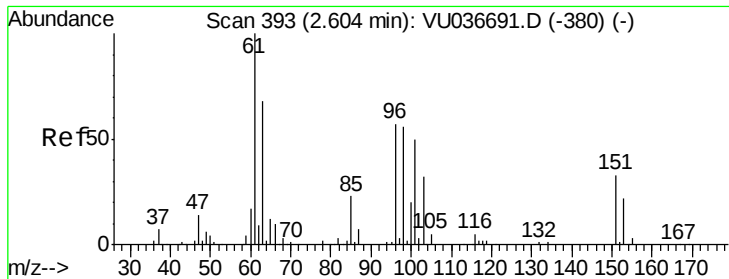
Tot Ion: 64 Resp: 75826
Ion Ratio Lower Upper
64 100
66 32.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 51.274 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Tgt Ion: 101 Resp: 144694
Ion Ratio Lower Upper
101 100
103 64.7 51.6 77.4





#10

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

Concen: 53.188 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

Instrument :

MSVOA_U

ClientSampleId :

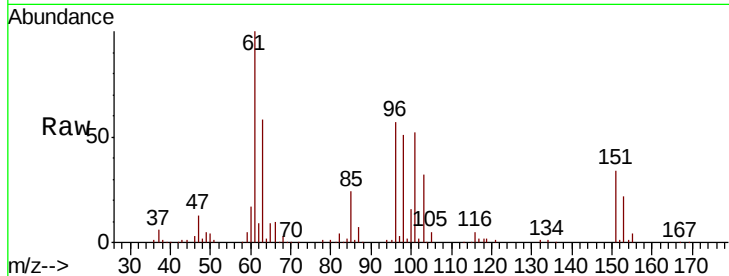
Tot Ion:101 Resp: 89903

Ion Ratio Lower Upper

101 100

85 45.6 36.5 54.7

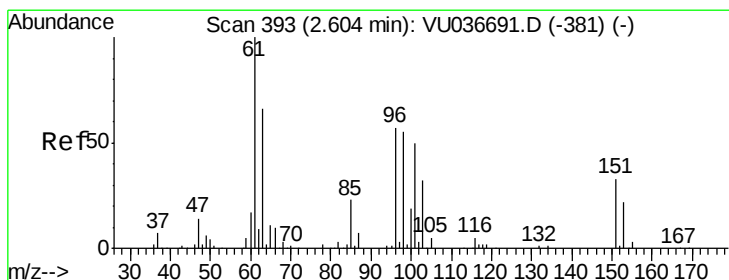
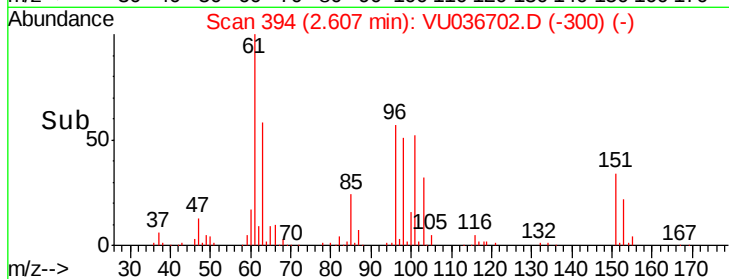
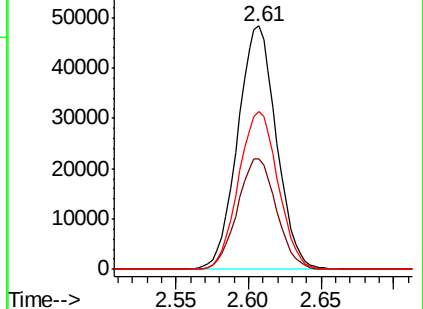
151 66.0 52.6 78.8



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: 52.165 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

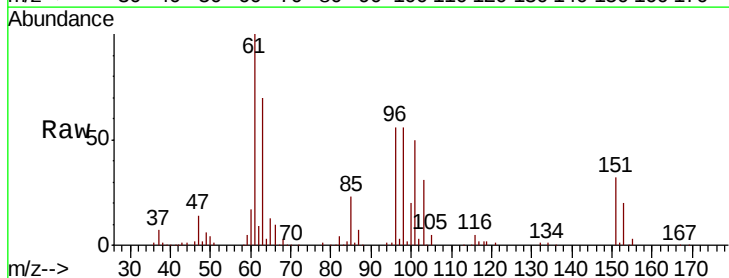
Tgt Ion: 96 Resp: 85840

Ion Ratio Lower Upper

96 100

61 180.0 124.4 231.0

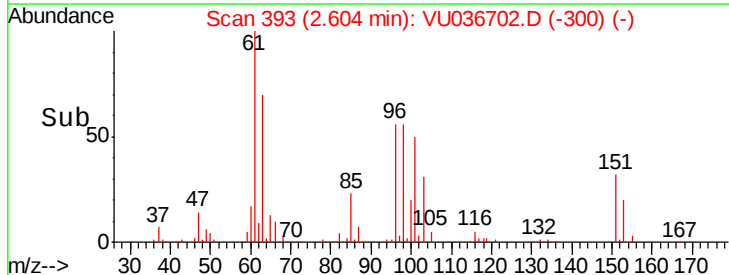
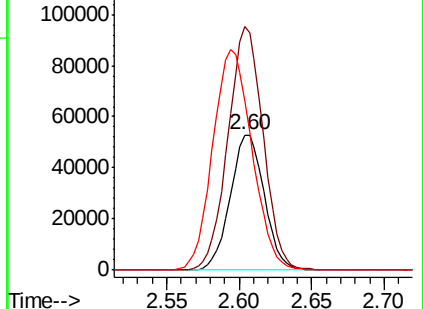
63 125.6 83.4 155.0

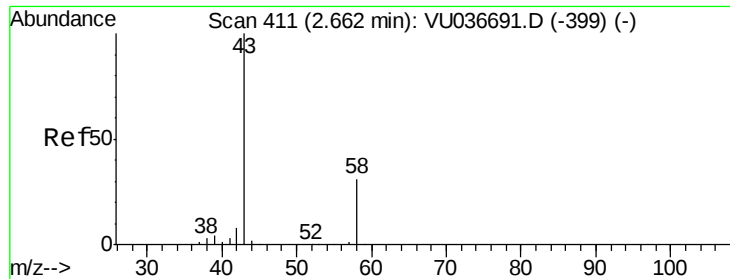


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 123.298 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

Instrument :

MSVOA_U

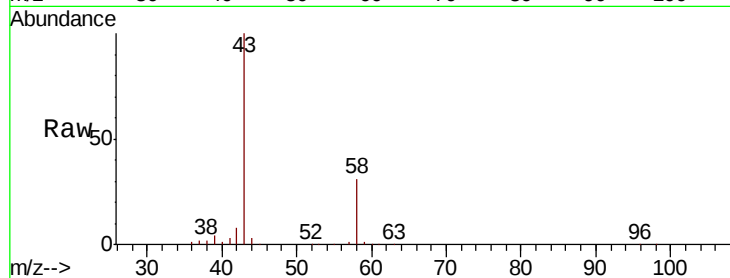
ClientSampleId :

Tot Ion: 43 Resp: 200756

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU036691.D (-399) (-)

Ion 58.00 (57.70 to 58.70): VU036691.D (-399) (-)

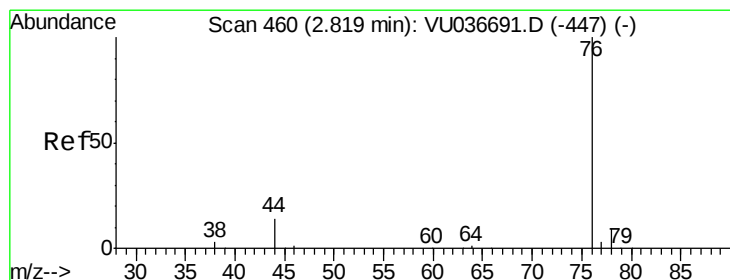
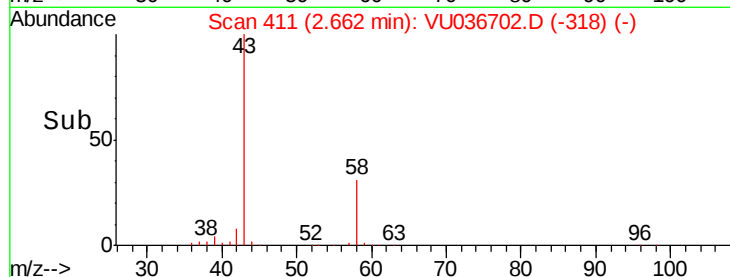
2.66

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 51.444 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036702.D

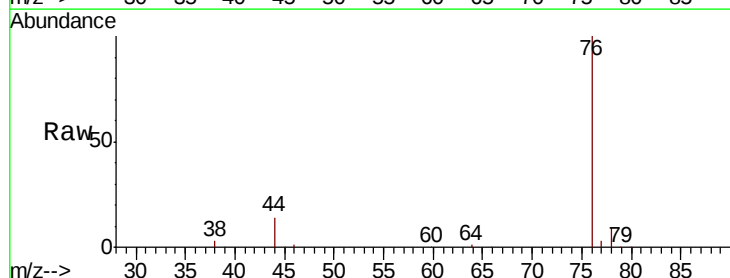
Acq: 10 Feb 2020 10:06

Tgt Ion: 76 Resp: 252977

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036691.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036691.D (-447) (-)

2.82

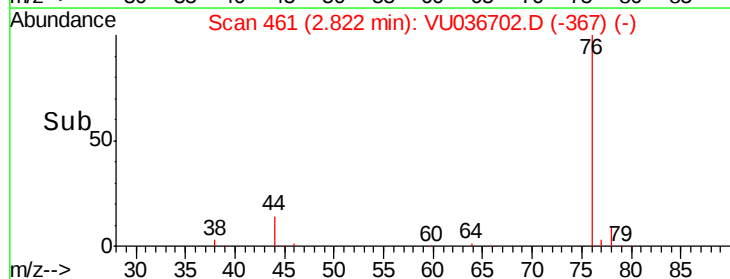
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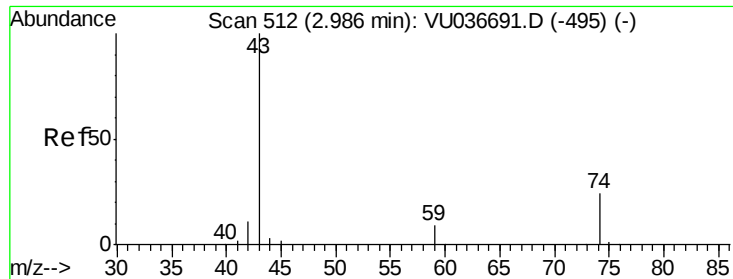
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50000

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Time-->

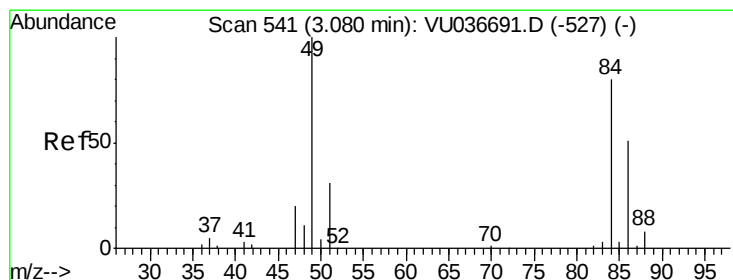
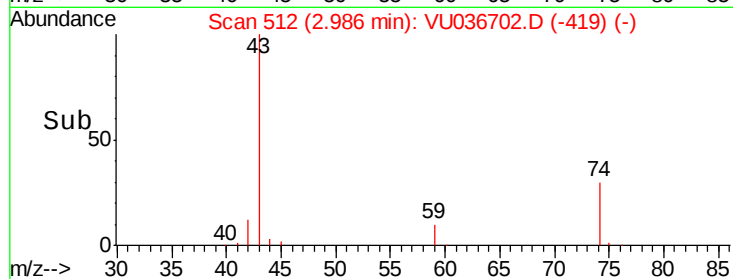
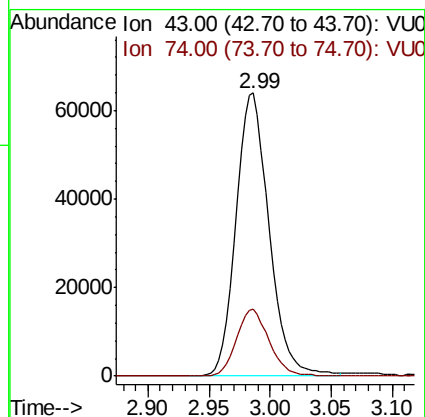
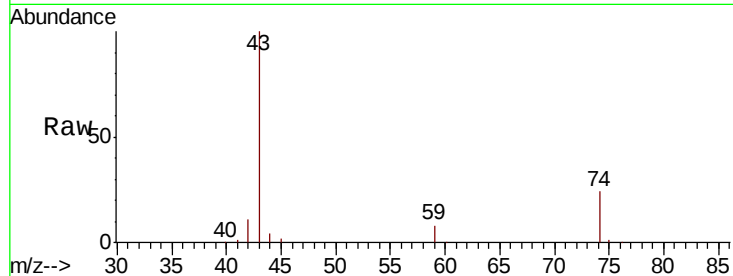




#15
Methyl Acetate
Concen: 50.782 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

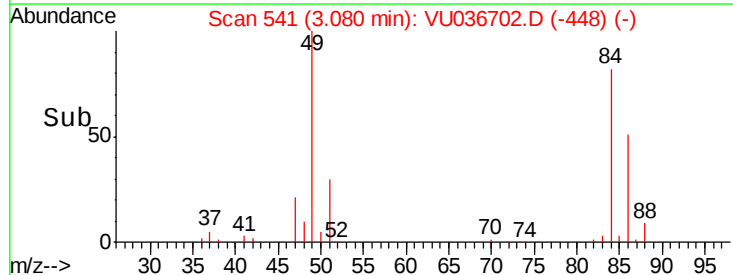
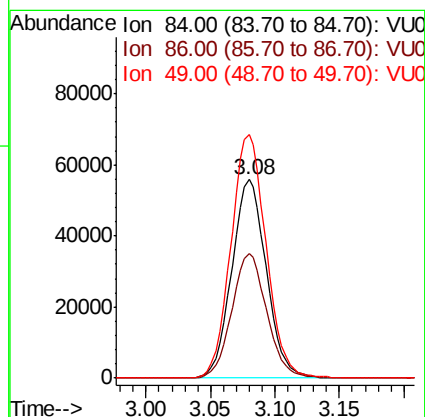
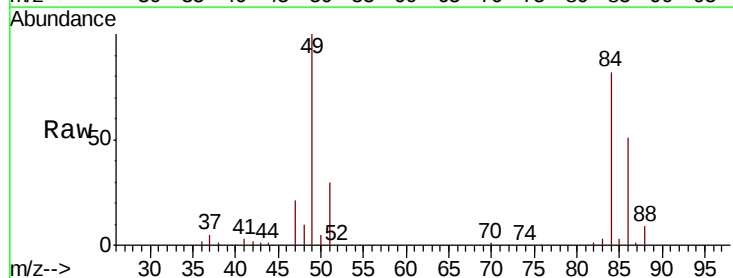
Instrument :
MSVOA_U
ClientSampled :

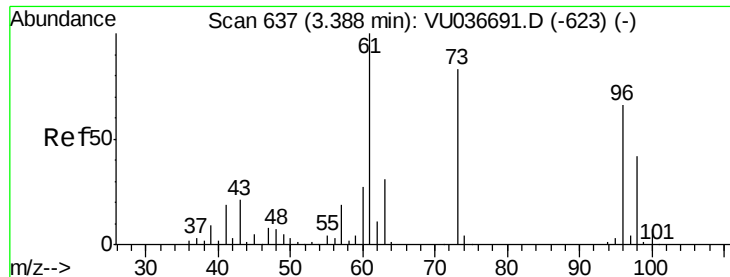
Tot Ion: 43 Resp: 119536
Ion Ratio Lower Upper
43 100
74 23.6 18.7 28.1



#16
Methylene chloride
Concen: 51.146 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Tgt Ion: 84 Resp: 103879
Ion Ratio Lower Upper
84 100
86 62.9 44.4 82.5
49 122.7 89.2 165.8

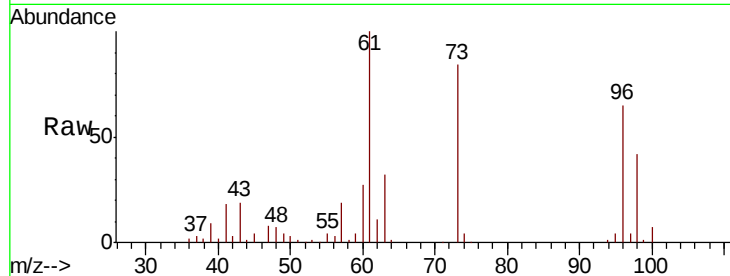




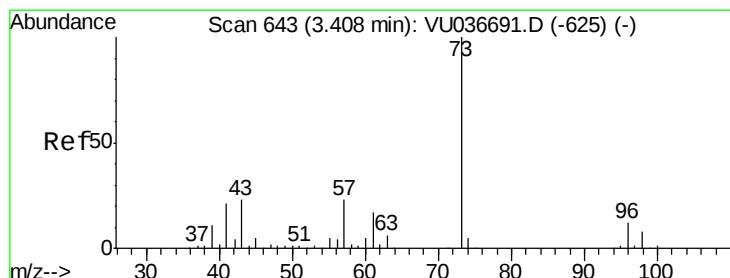
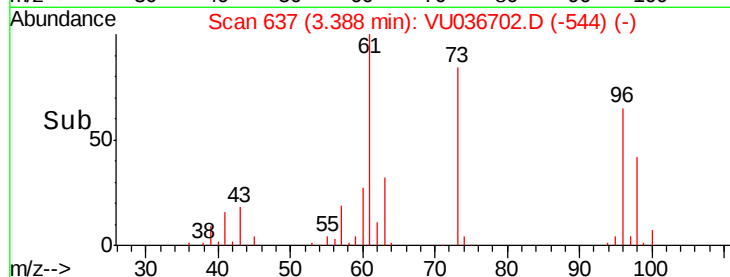
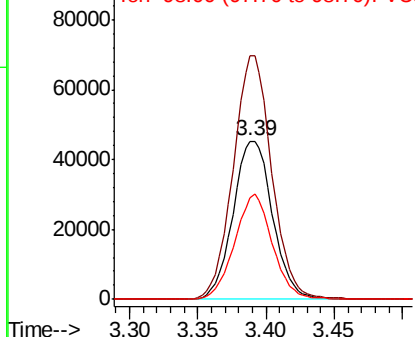
#17
trans-1,2-Dichloroethene
Concen: 52.146 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 91301
Ion Ratio Lower Upper
96 100
61 153.5 103.4 192.0
98 64.2 45.4 84.2

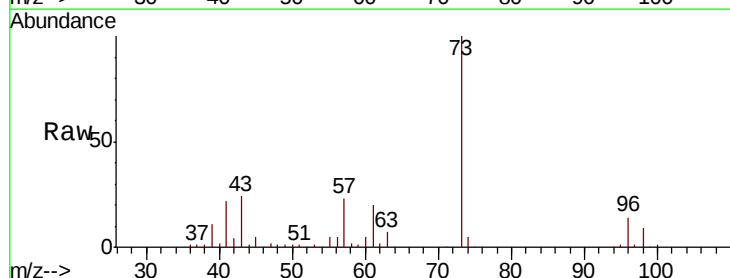


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

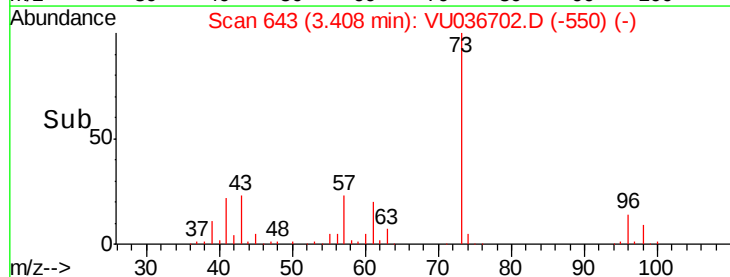
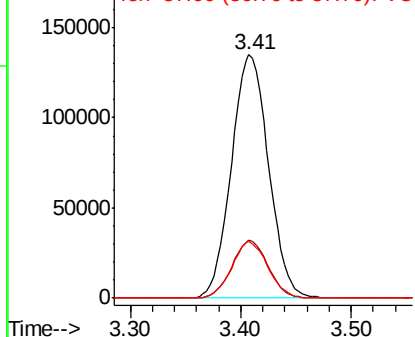


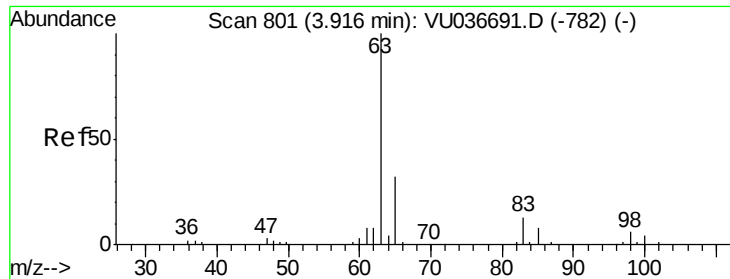
#18
Methyl tert-butyl Ether
Concen: 51.823 ug/L
RT: 3.41 min Scan# 643
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Tgt Ion: 73 Resp: 314913
Ion Ratio Lower Upper
73 100
43 23.1 18.6 28.0
57 22.6 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

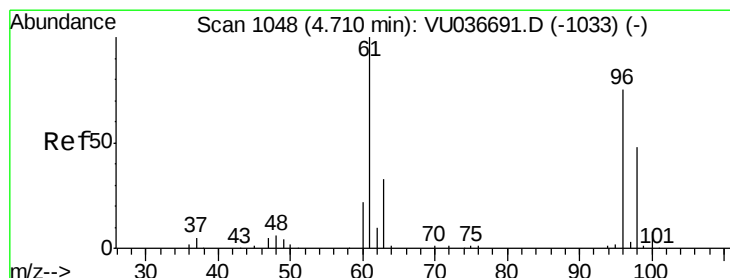
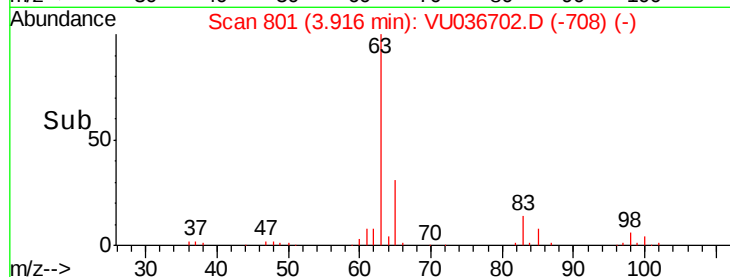
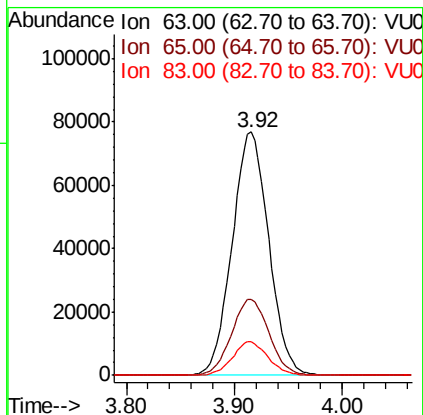
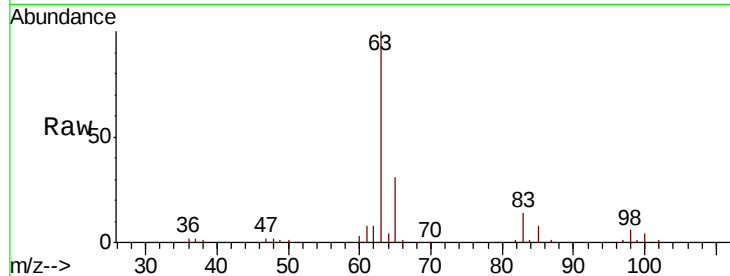




#19
 1,1-Dichloroethane
 Concen: 52.143 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

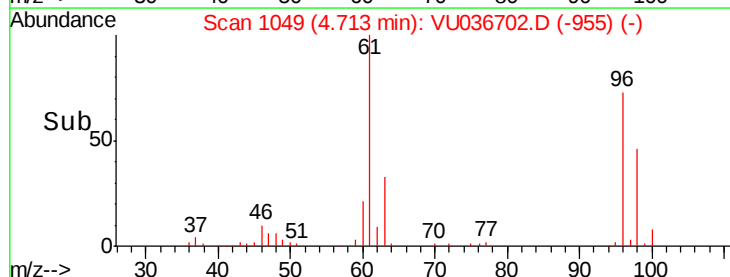
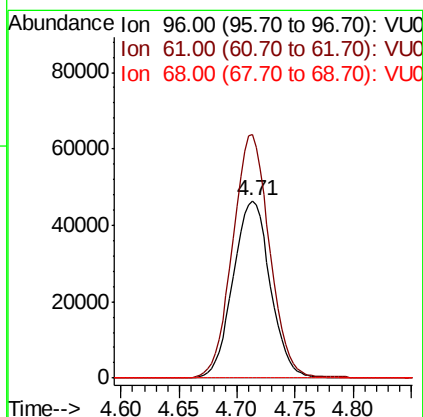
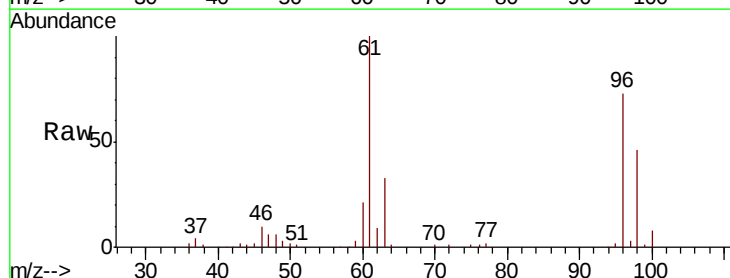
Instrument :
 MSVOA_U
 ClientSampled :

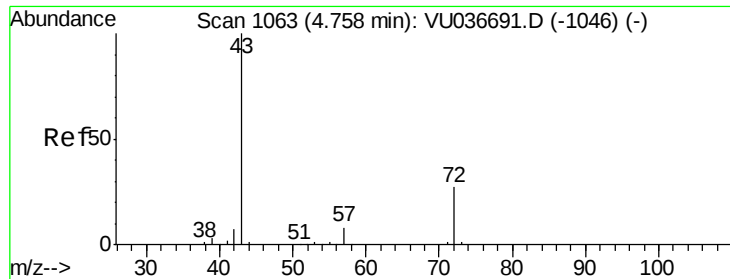
Tot Ion: 63 Resp: 181906
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.0 40.8
 83 13.7 10.1 18.7



#20
 cis-1,2-Dichloroethene
 Concen: 52.112 ug/L
 RT: 4.71 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

Tgt Ion: 96 Resp: 103962
 Ion Ratio Lower Upper
 96 100
 61 137.2 93.3 173.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 113.647 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

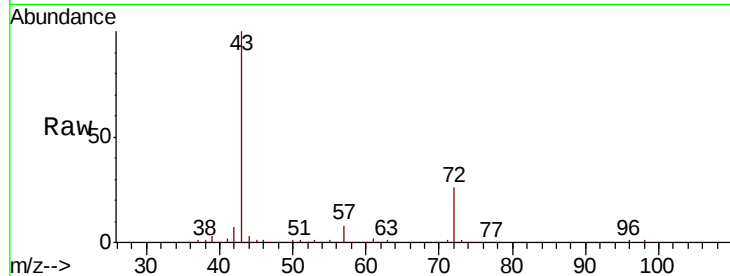
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 219618

Ion Ratio Lower Upper

43 100

72 27.1 13.6 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU036691.D (-1046) (-)

Ion 72.00 (71.70 to 72.70): VU036691.D (-1046) (-)

4.75

100000

80000

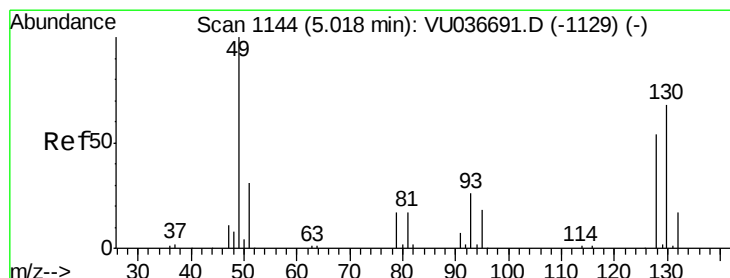
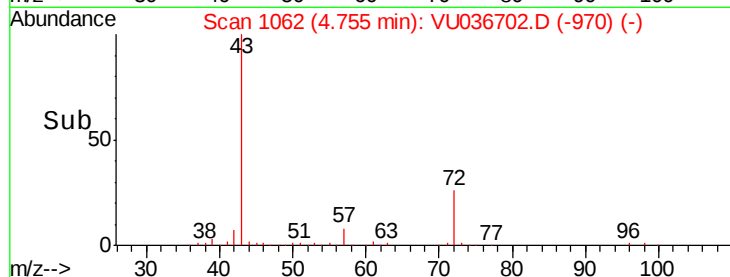
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 51.111 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

Tgt Ion:128 Resp: 47781

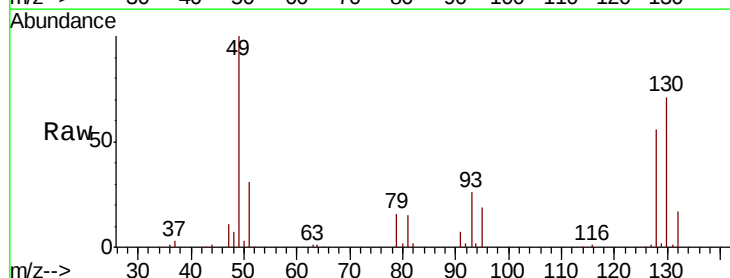
Ion Ratio Lower Upper

128 100

49 178.5 127.3 236.5

130 127.0 88.5 164.3

51 56.1 44.4 66.6



Abundance Ion 128.00 (127.70 to 128.70): VU036691.D (-1129) (-)

Ion 49.00 (48.70 to 49.70): VU036691.D (-1129) (-)

Ion 130.00 (129.70 to 130.70): VU036691.D (-1129) (-)

Ion 51.00 (50.70 to 51.70): VU036691.D (-1129) (-)

60000

50000

40000

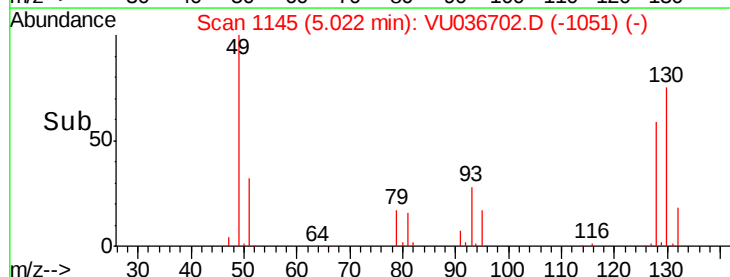
30000

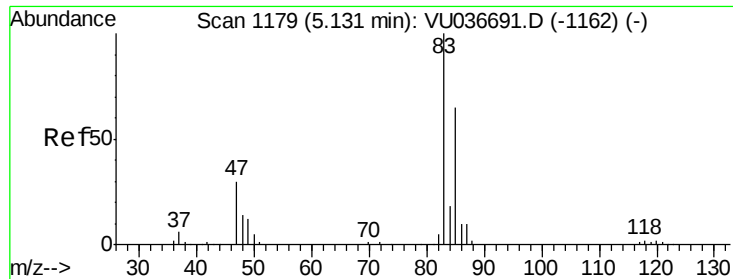
20000

10000

0

Time-->

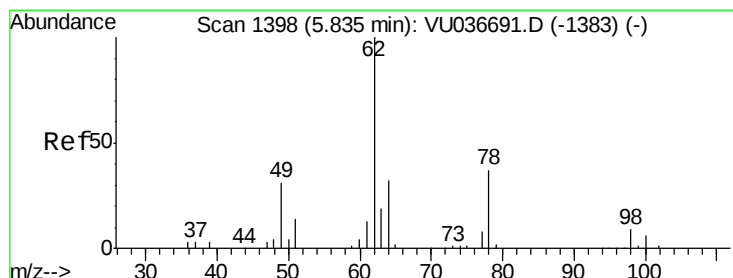
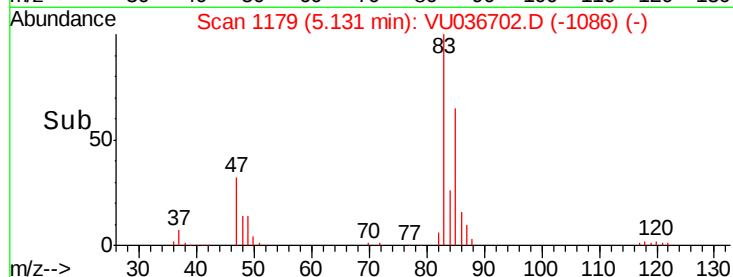
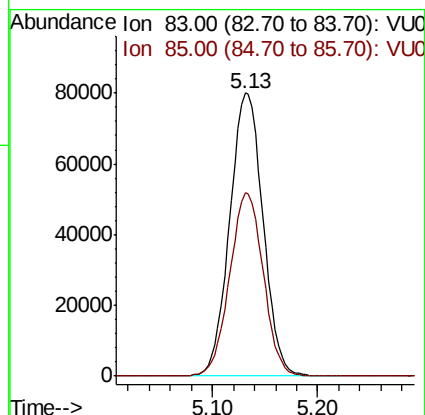
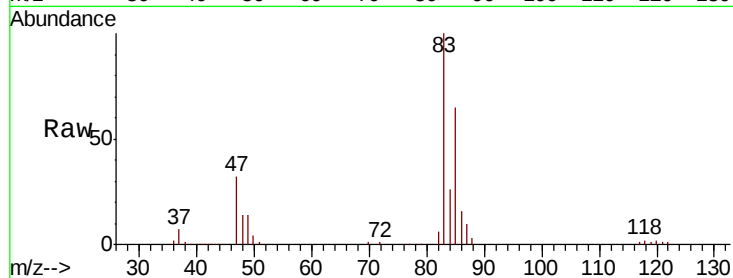




#25
Chloroform
Concen: 51.698 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

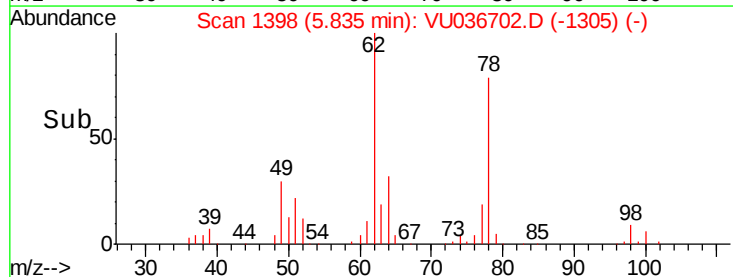
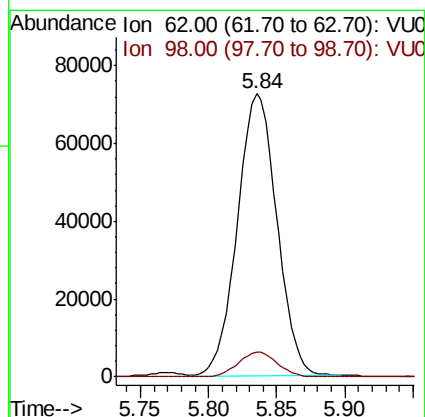
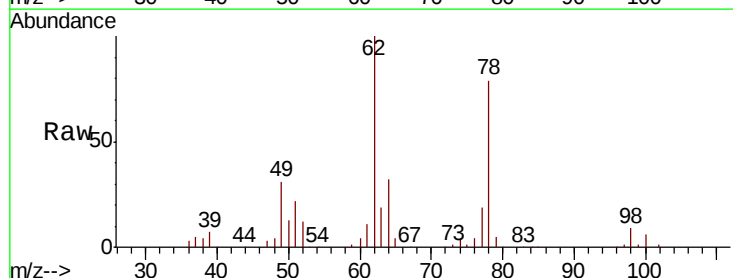
Instrument :
MSVOA_U
ClientSampleId :

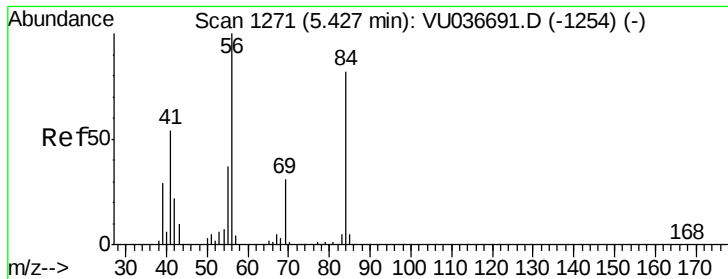
Tot Ion: 83 Resp: 175402
Ion Ratio Lower Upper
83 100
85 64.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 51.315 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Tgt Ion: 62 Resp: 146412
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.4

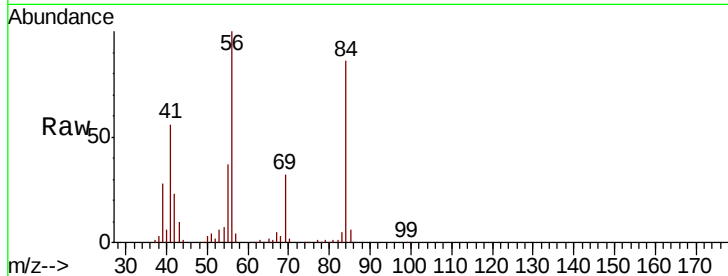




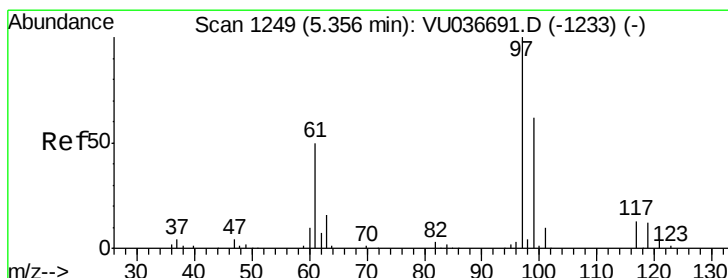
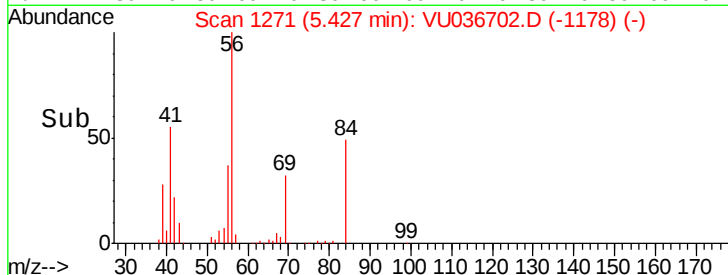
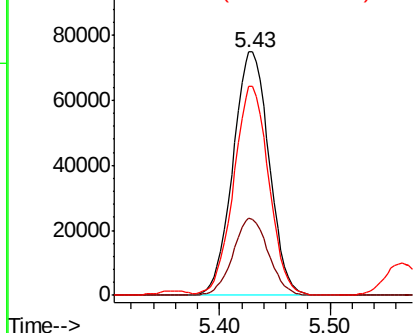
#29
Cyclohexane
Concen: 52.078 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 169845
Ion Ratio Lower Upper
56 100
69 31.0 25.0 37.4
84 83.2 68.2 102.2

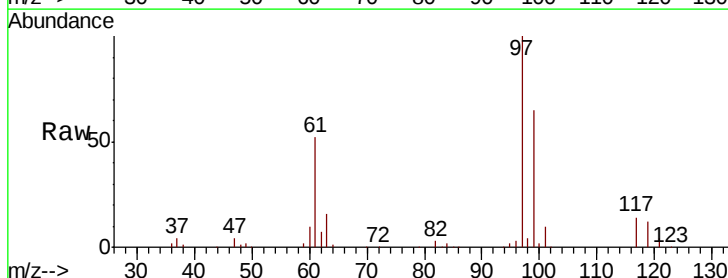


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

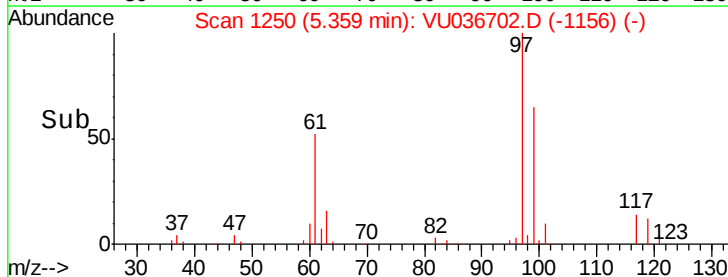
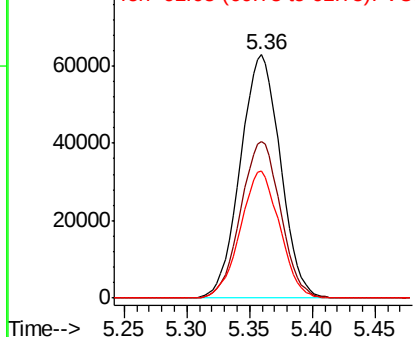


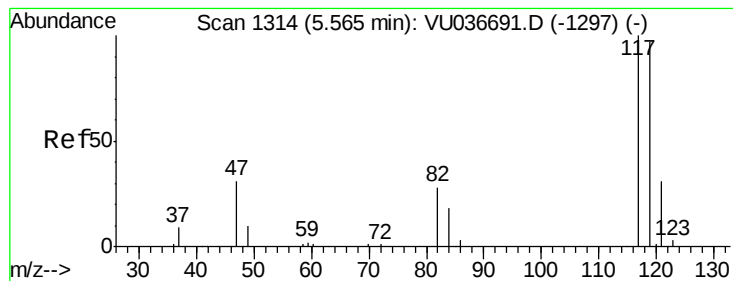
#30
1,1,1-Trichloroethane
Concen: 51.750 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Tgt Ion: 97 Resp: 139571
Ion Ratio Lower Upper
97 100
99 64.5 50.9 76.3
61 51.3 40.2 60.2



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 52.076 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

Instrument :

MSVOA_U

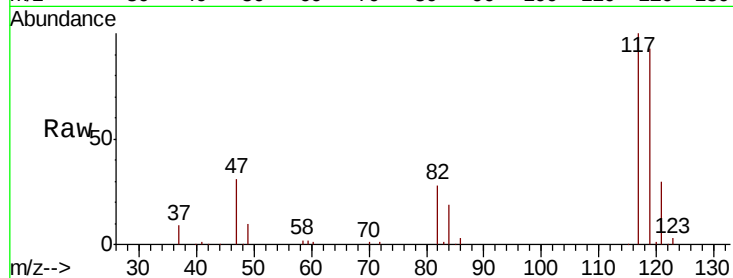
ClientSampleId :

Tot Ion:117 Resp: 113723

Ion Ratio Lower Upper

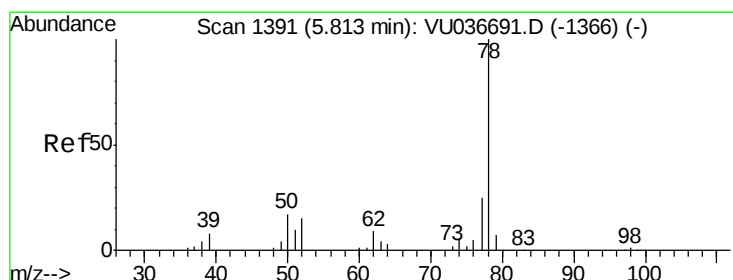
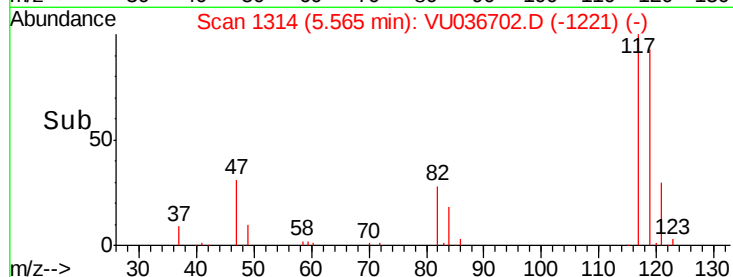
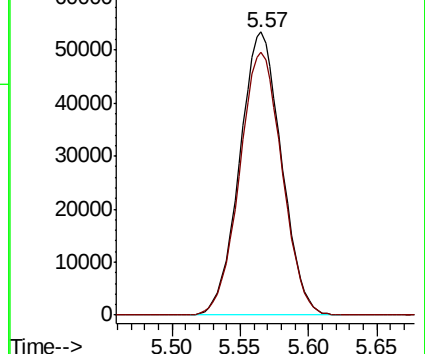
117 100

119 94.3 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.971 ug/L

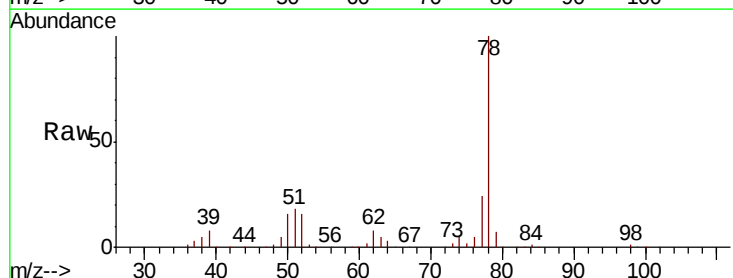
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

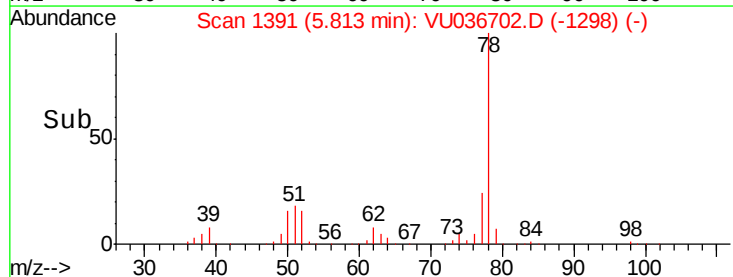
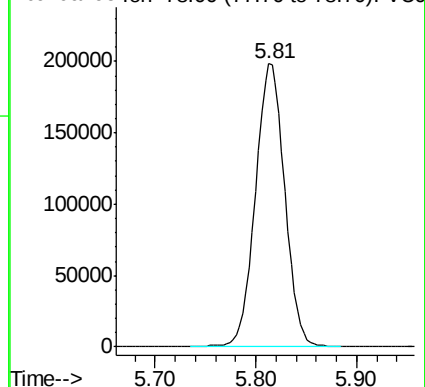
Lab File: VU036702.D

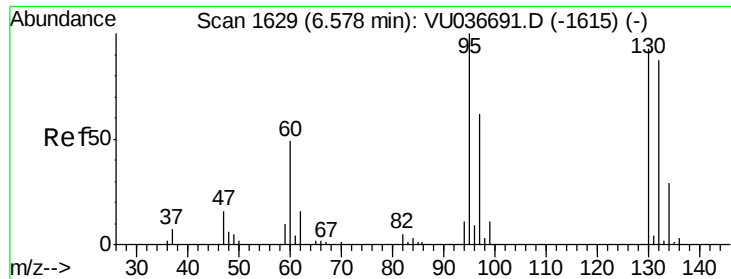
Acq: 10 Feb 2020 10:06

Tgt Ion: 78 Resp: 399110



Abundance Ion 78.00 (77.70 to 78.70): VU0

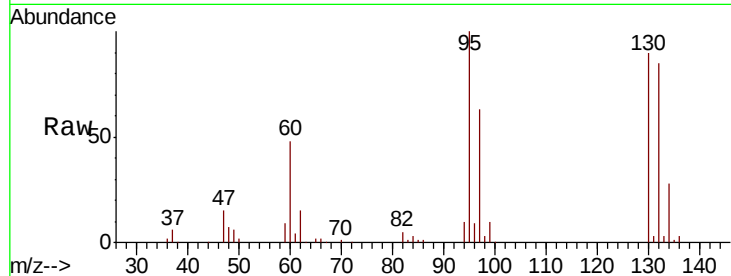




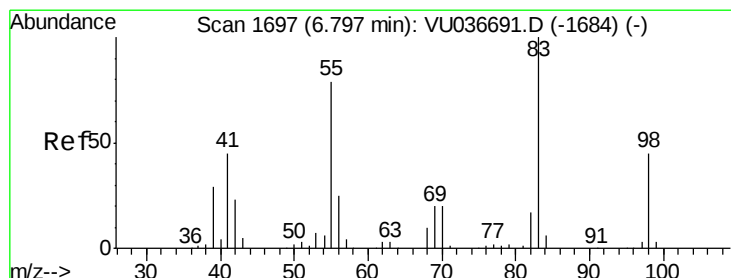
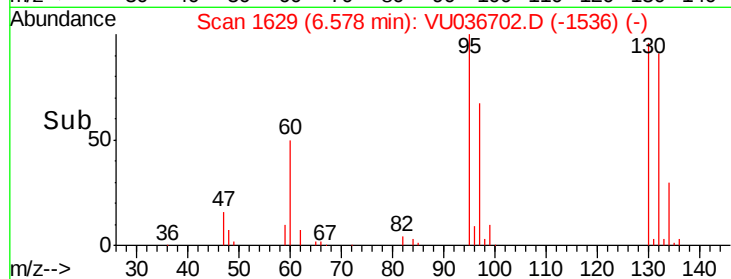
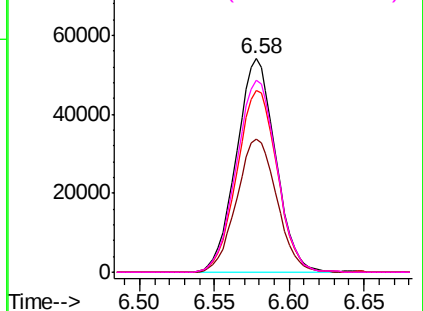
#34
 Trichloroethene
 Concen: 51.892 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 98543
 Ion Ratio Lower Upper
 95 100
 97 62.6 44.5 82.7
 132 84.9 59.6 110.8
 130 90.0 65.0 120.8

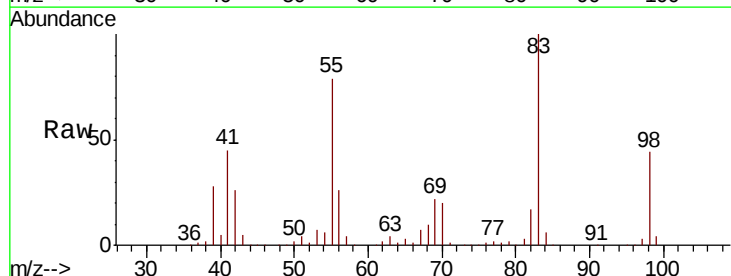


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

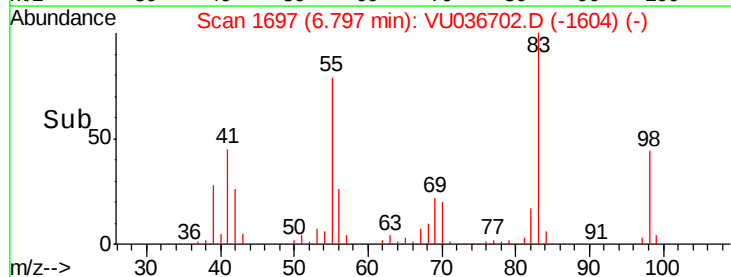
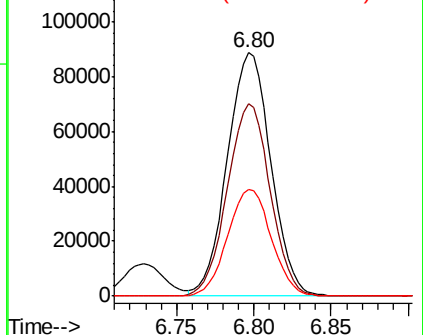


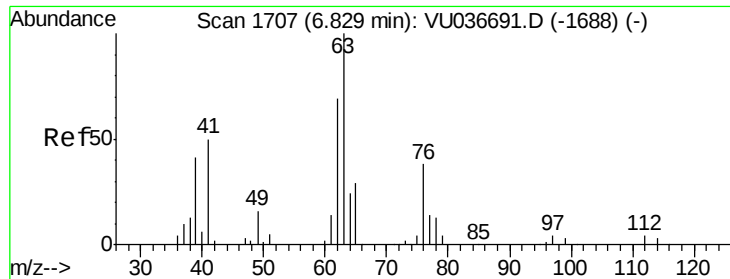
#35
 Methylcyclohexane
 Concen: 51.809 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

Tgt Ion: 83 Resp: 173264
 Ion Ratio Lower Upper
 83 100
 55 78.1 61.2 91.8
 98 44.1 35.4 53.0



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

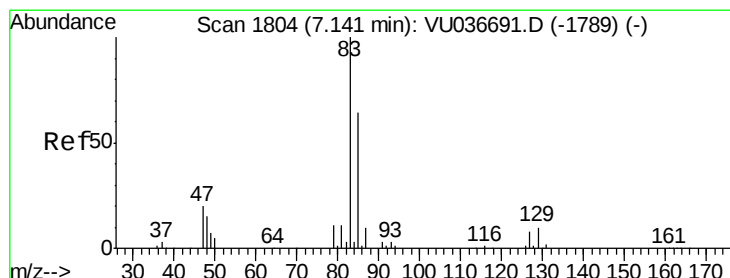
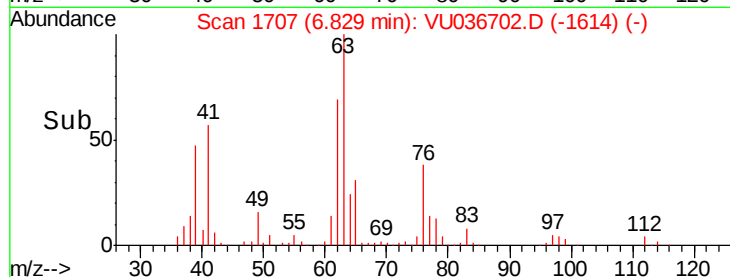
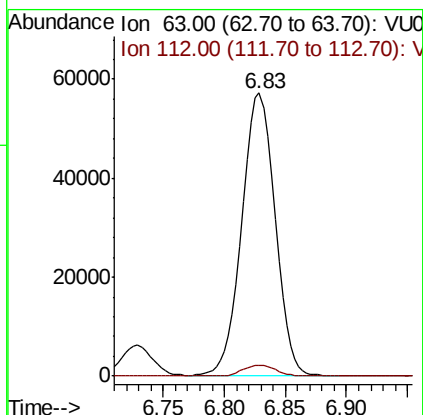
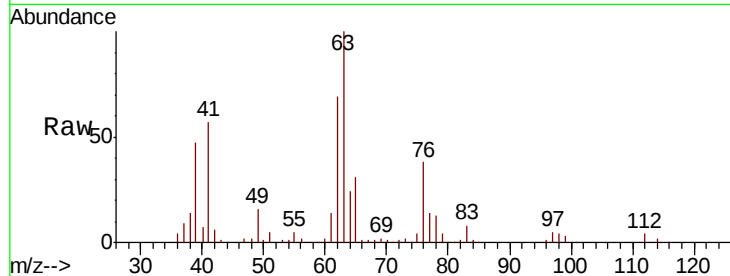




#37
 1,2-Dichloropropane
 Concen: 52.430 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

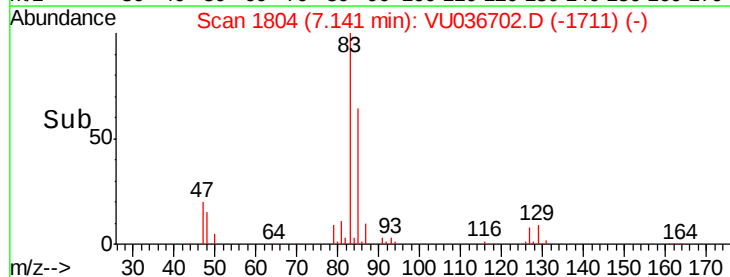
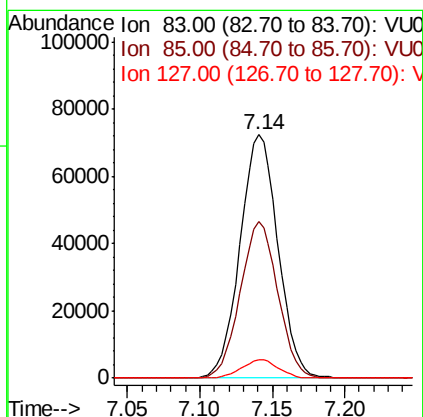
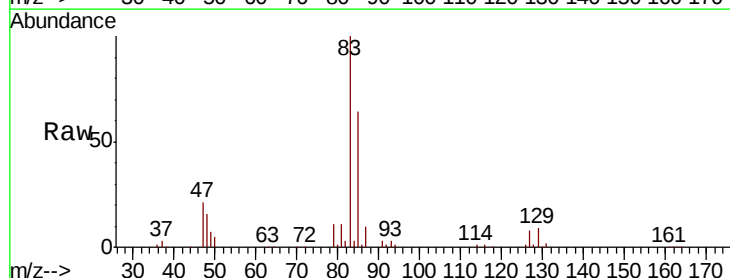
Instrument :
 MSVOA_U
 ClientSampled :

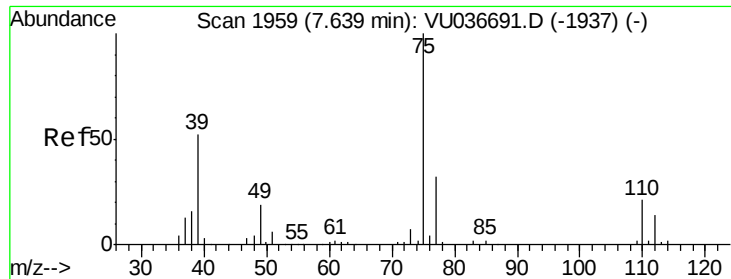
Tot Ion: 63 Resp: 108571
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 52.249 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

Tgt Ion: 83 Resp: 131481
 Ion Ratio Lower Upper
 83 100
 85 64.1 43.9 81.5
 127 7.7 6.0 9.0

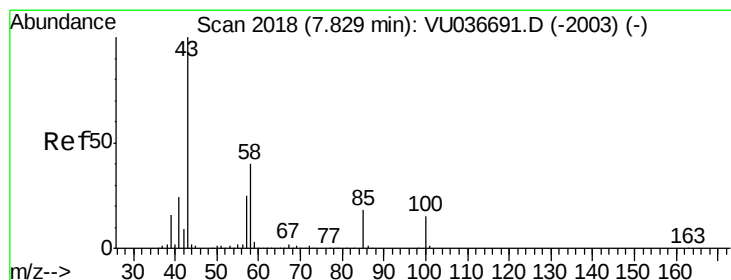
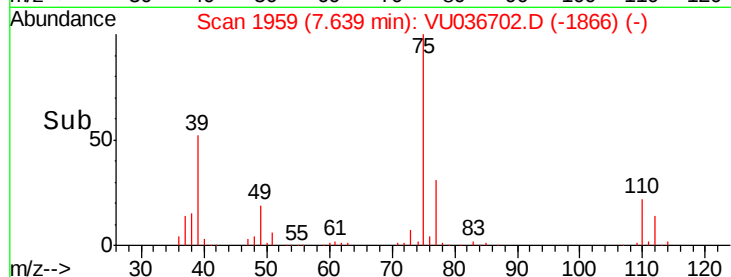
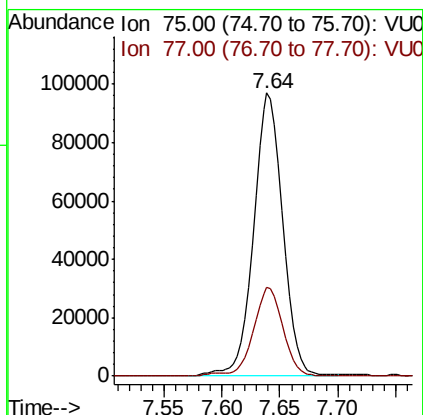
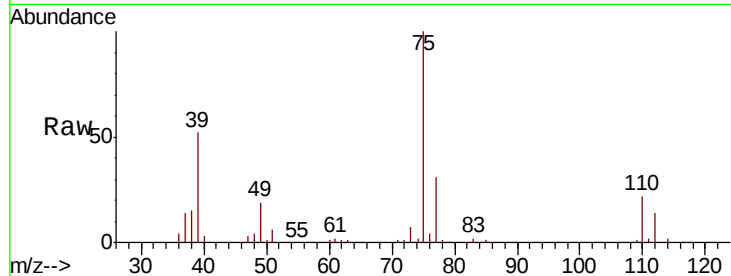




#39
 cis-1,3-Dichloropropene
 Concen: 51.589 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

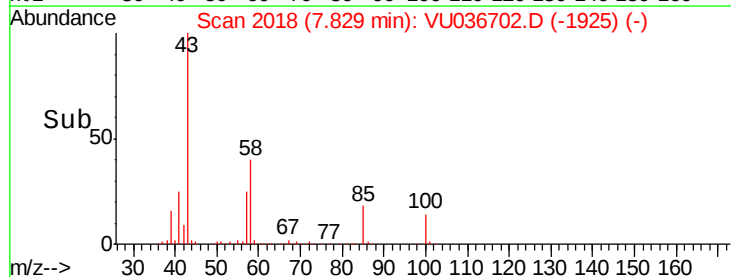
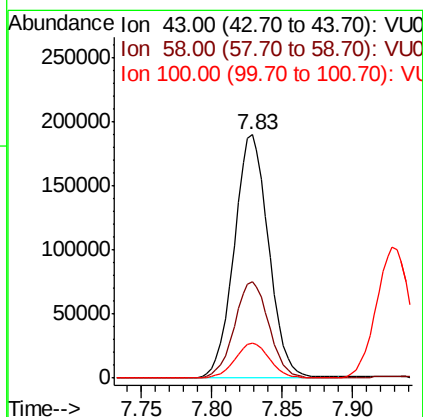
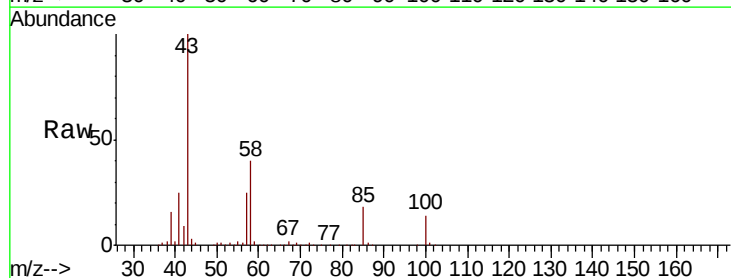
Instrument :
 MSVOA_U
 ClientSampled :

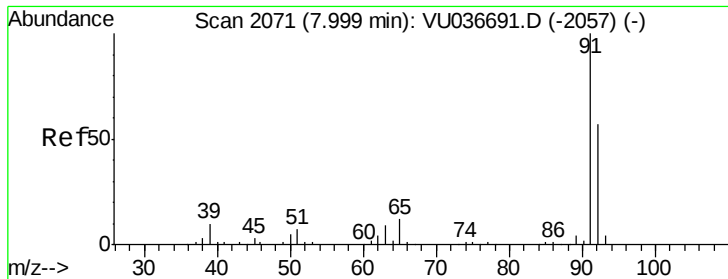
Tot Ion: 75 Resp: 170693
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 99.629 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

Tgt Ion: 43 Resp: 325961
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.0 46.6
 100 14.4 11.4 17.2





#42

Toluene

Concen: 51.455 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

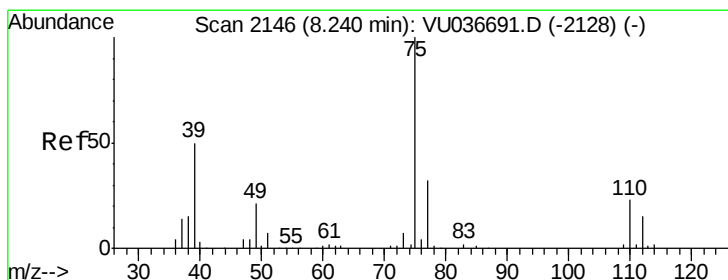
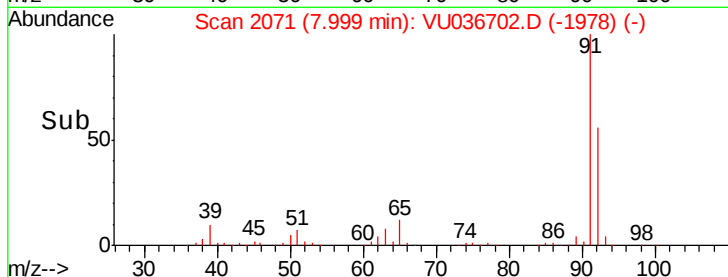
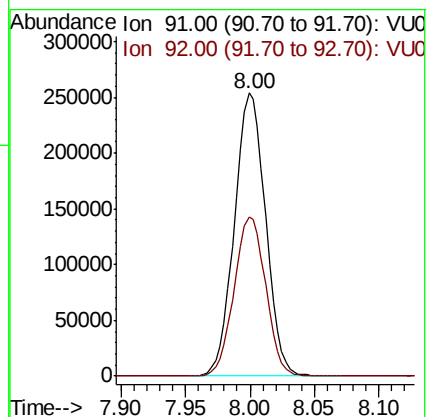
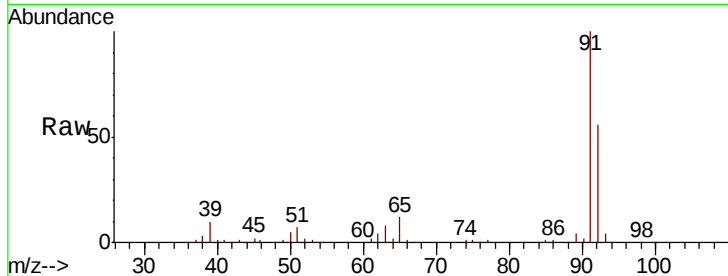
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 426981

Ion Ratio Lower Upper

91 100

92 56.4 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 52.006 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036702.D

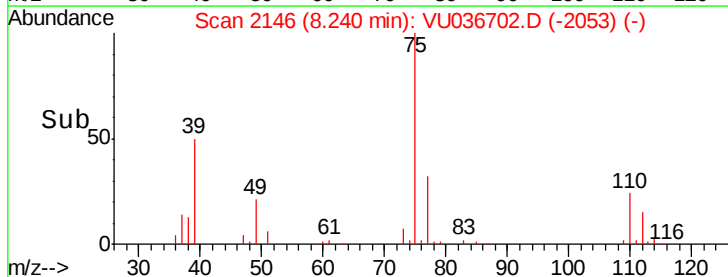
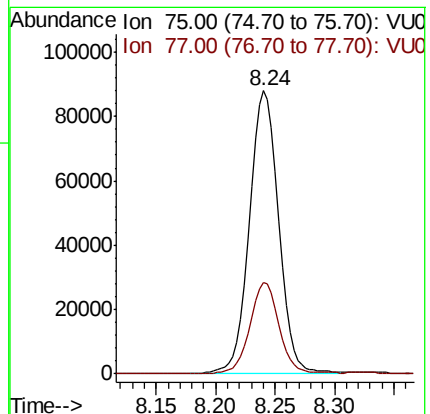
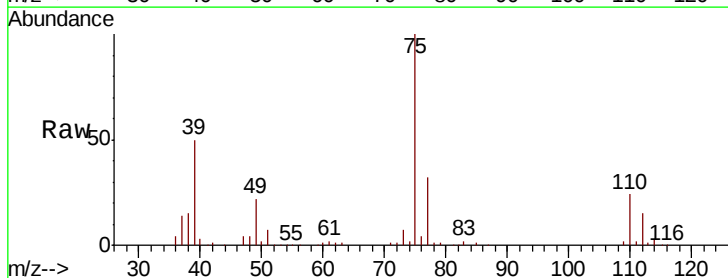
Acq: 10 Feb 2020 10:06

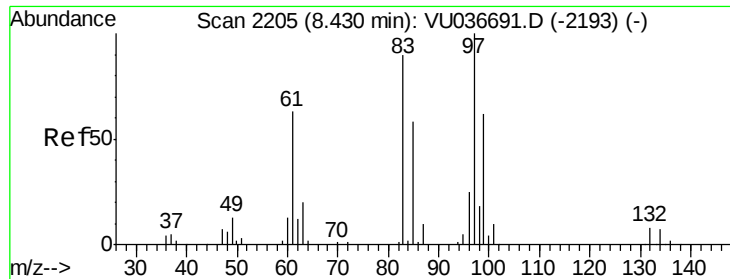
Tgt Ion: 75 Resp: 150323

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0

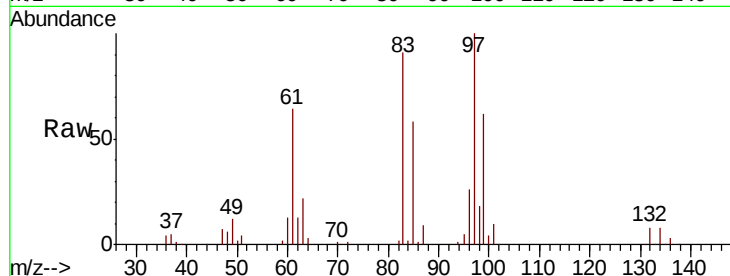




#45
1,1,2-Trichloroethane
Concen: 51.569 ug/L
RT: 8.43 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	97421
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.6	79.0
83	91.2	61.1	113.5
85	57.7	40.4	75.0



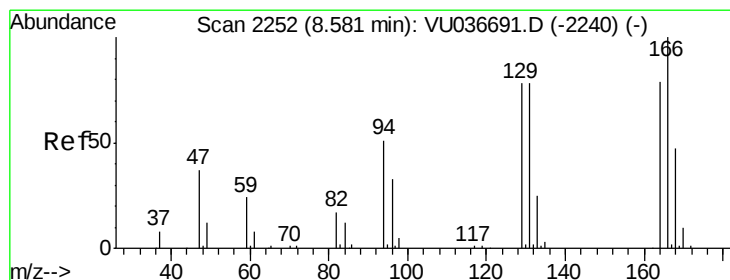
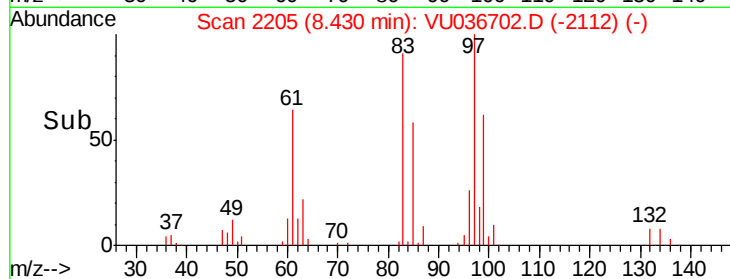
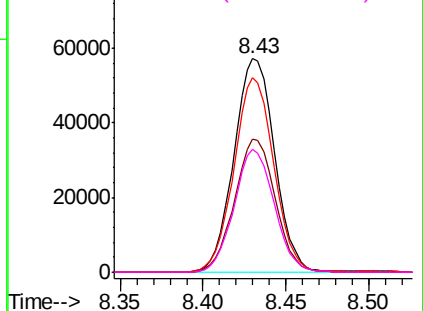
Abundance

Ion 97.00 (96.70 to 97.70): VU036691.D (-2193) (-)

Ion 99.00 (98.70 to 99.70): VU036691.D (-2193) (-)

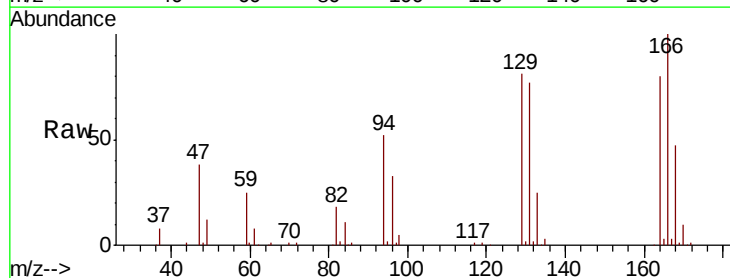
Ion 83.00 (82.70 to 83.70): VU036691.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU036691.D (-2193) (-)



#46
Tetrachloroethene
Concen: 49.637 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Tgt Ion:	164	Resp:	66147
Ion	Ratio	Lower	Upper
164	100		
129	101.6	71.0	131.9
131	95.9	66.6	123.6
166	124.7	86.4	160.4



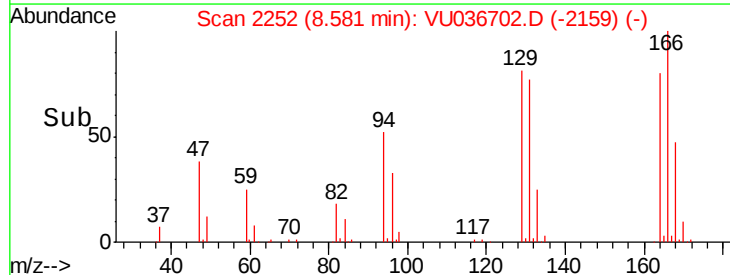
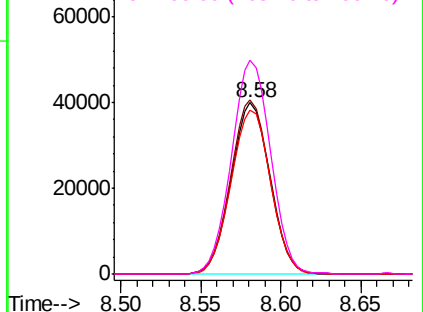
Abundance

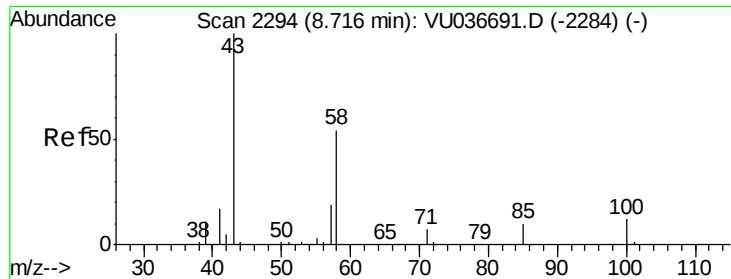
Ion 164.00 (163.70 to 164.70): VU036691.D (-2240) (-)

Ion 129.00 (128.70 to 129.70): VU036691.D (-2240) (-)

Ion 131.00 (130.70 to 131.70): VU036691.D (-2240) (-)

Ion 166.00 (165.70 to 166.70): VU036691.D (-2240) (-)

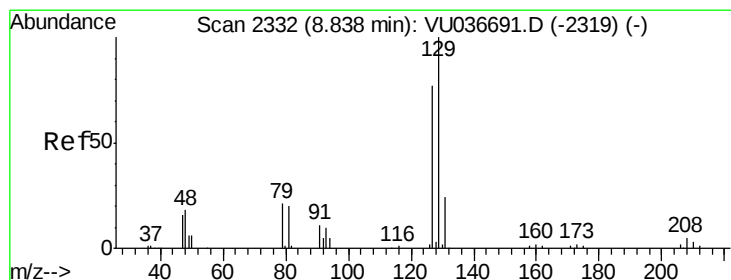
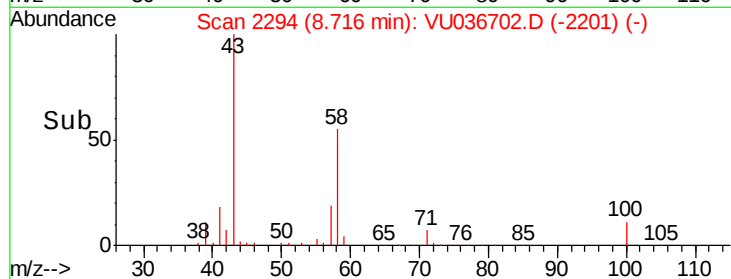
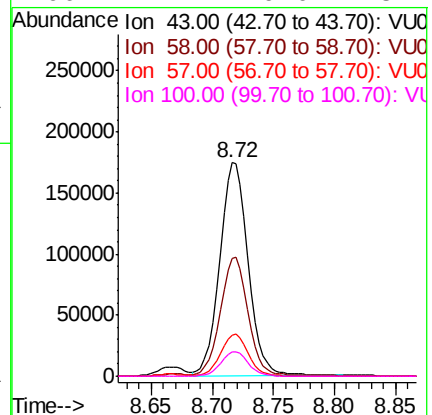
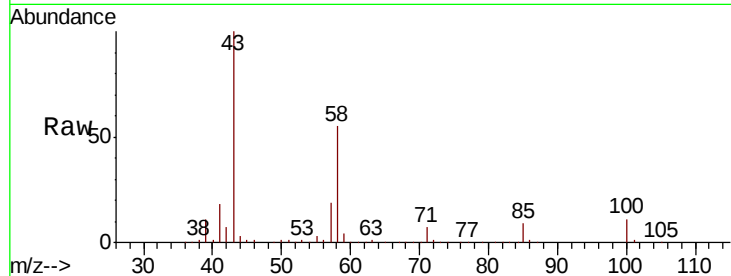




#48
2-Hexanone
Concen: 107.164 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

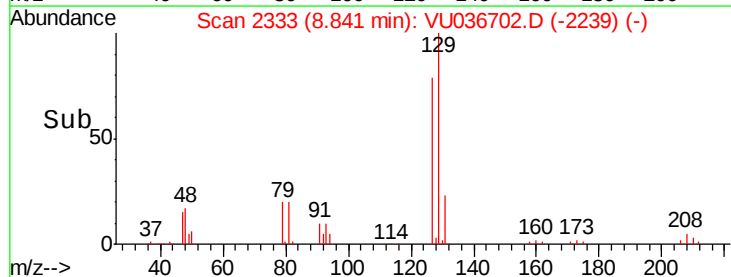
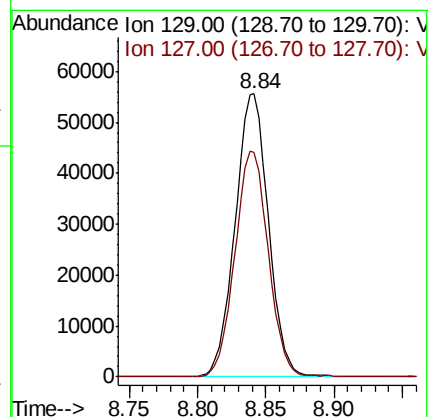
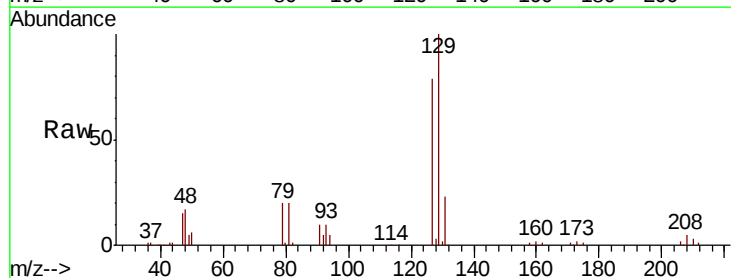
Instrument :
MSVOA_U
ClientSampleId :

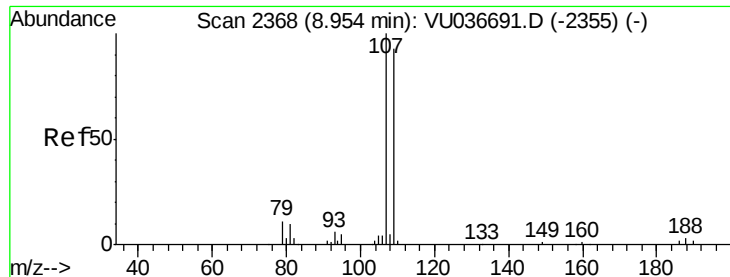
Tot Ion: 43 Resp: 286013
Ion Ratio Lower Upper
43 100
58 54.3 43.6 65.4
57 19.4 15.5 23.3
100 11.2 9.0 13.4



#49
Dibromochloromethane
Concen: 51.088 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Tgt Ion: 129 Resp: 94397
Ion Ratio Lower Upper
129 100
127 79.5 53.6 99.6

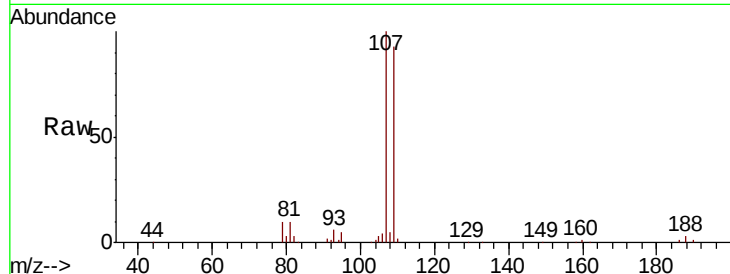




#50
 1,2-Dibromoethane
 Concen: 50.808 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
107	107	100		
109	109	93.5	65.8	122.2
188	188	2.8	2.5	3.7

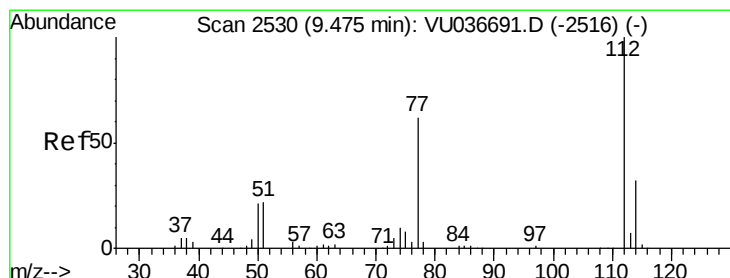
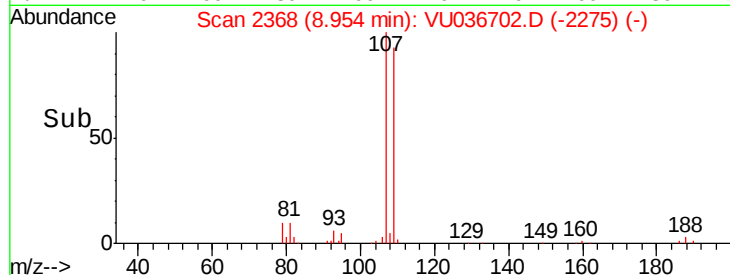
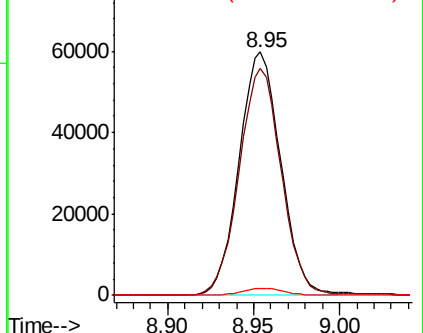


Abundance

Ion 107.00 (106.70 to 107.70): V

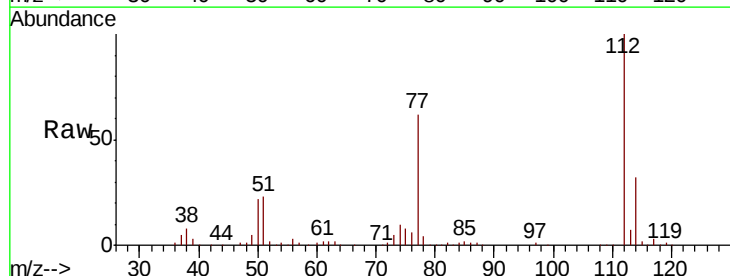
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 50.390 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

Tgt Ion	Ion	Ratio	Lower	Upper
112	112	100		
114	114	31.8	22.7	42.1
77	77	62.3	50.6	75.8

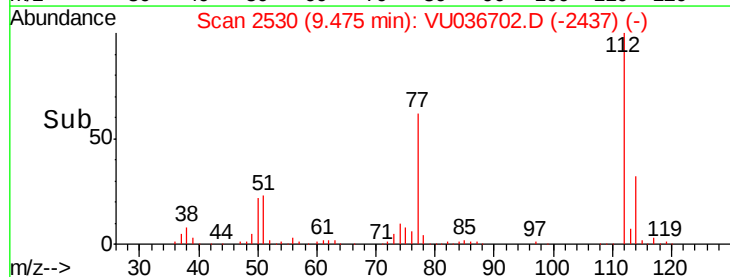
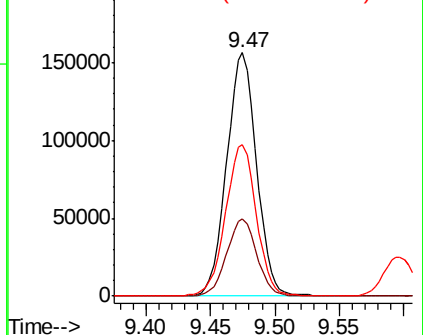


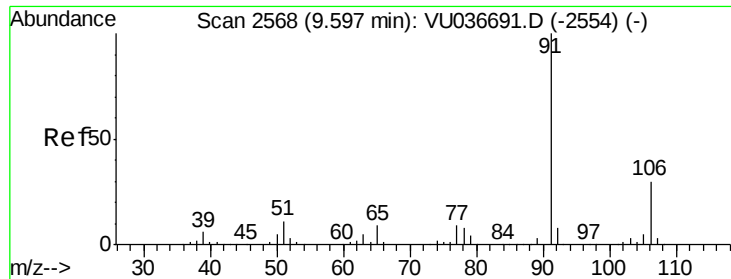
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU

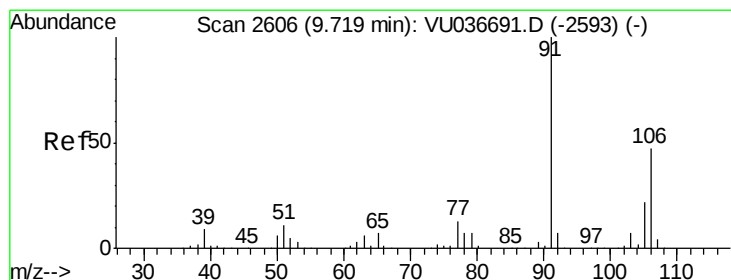
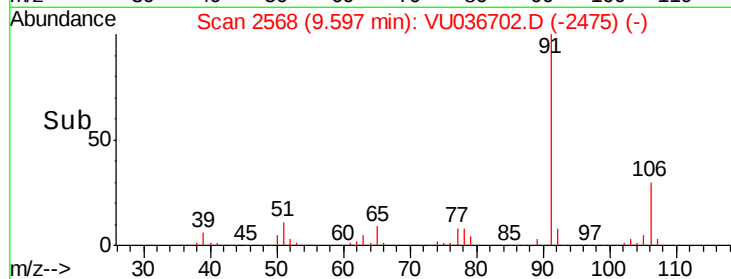
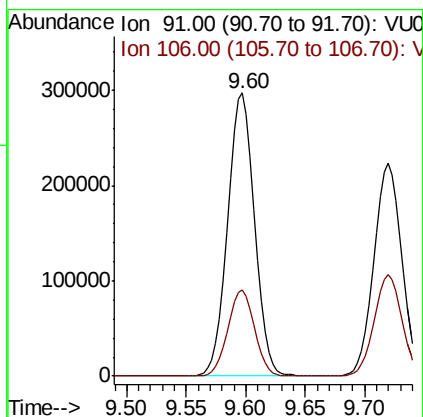
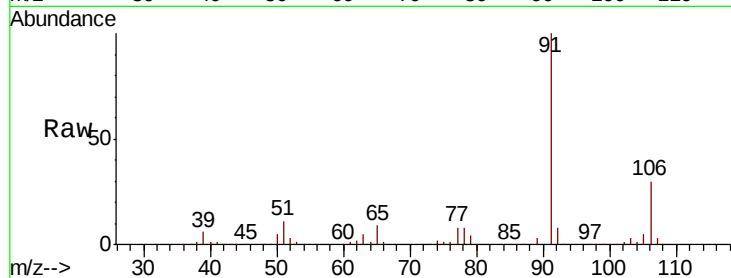




#52
Ethylbenzene
Concen: 51.102 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

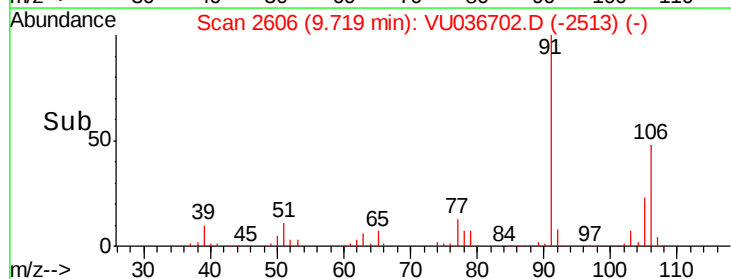
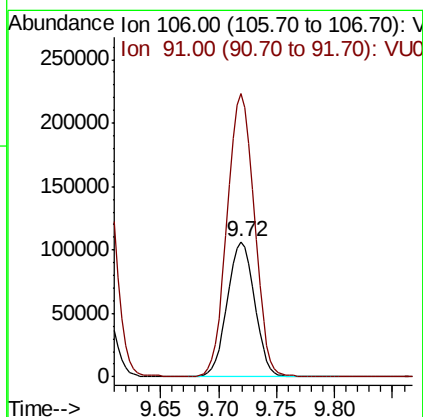
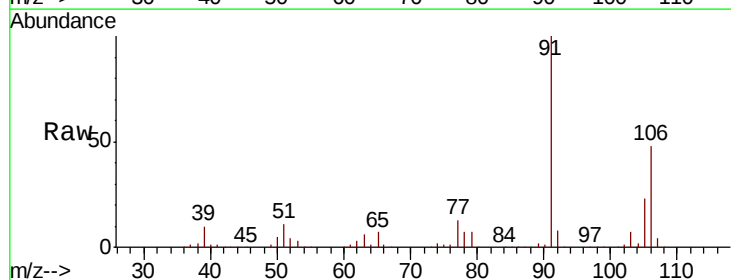
Instrument :
MSVOA_U
ClientSampled :

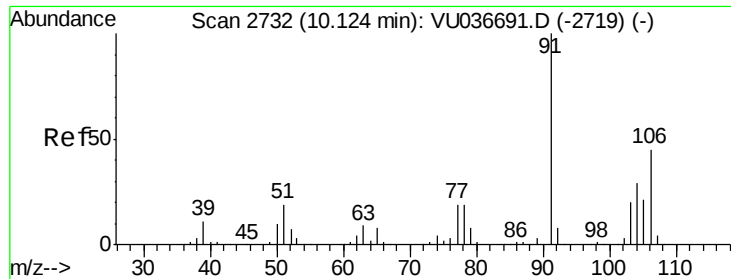
Tot Ion: 91 Resp: 465945
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.6



#53
m,p-Xylene
Concen: 51.521 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Tgt Ion: 106 Resp: 173298
Ion Ratio Lower Upper
106 100
91 209.8 145.9 270.9

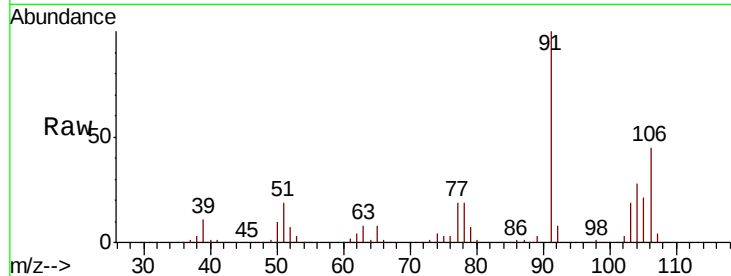




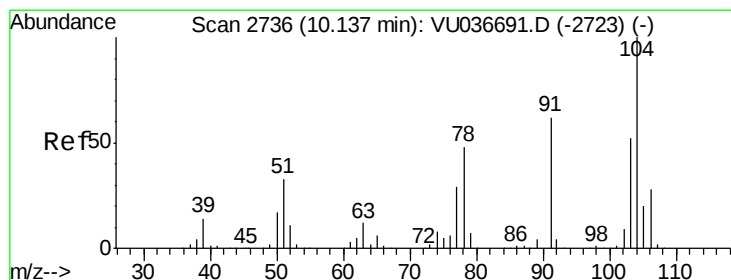
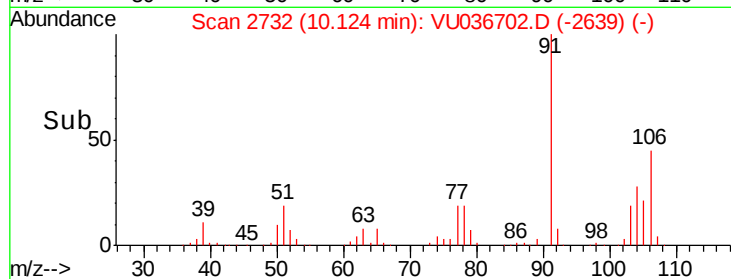
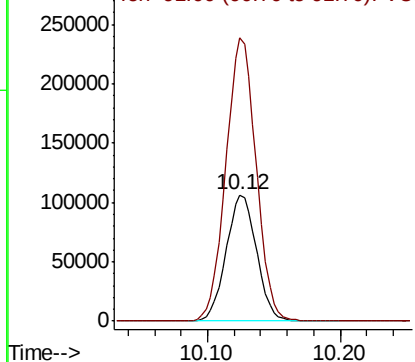
#54
o-xylene
Concen: 50.818 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 169333
Ion Ratio Lower Upper
106 100
91 224.7 156.0 289.6

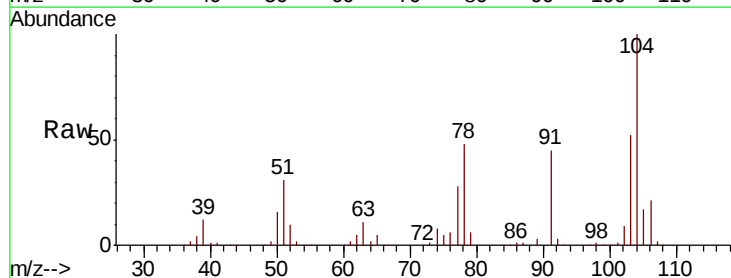


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

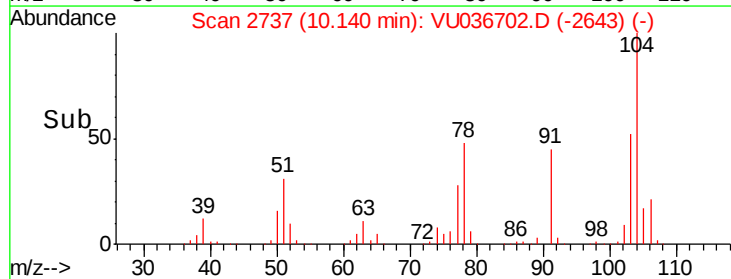
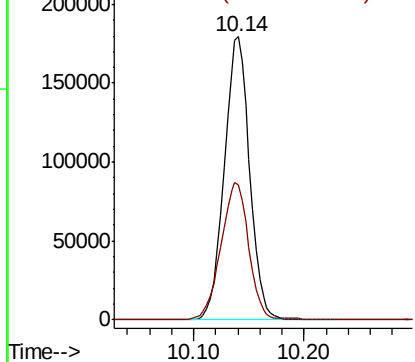


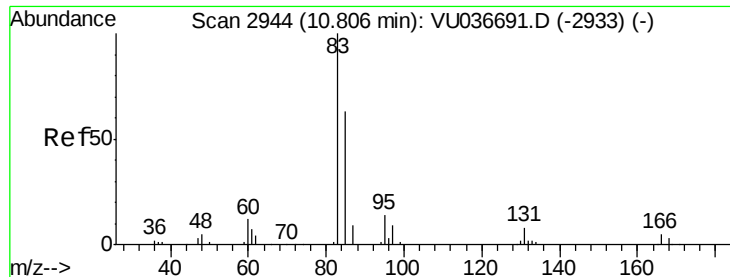
#55
Styrene
Concen: 51.487 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Tgt Ion:104 Resp: 285926
Ion Ratio Lower Upper
104 100
78 47.6 33.7 62.7



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





#57

1,1,2,2-Tetrachloroethane

Concen: 51.009 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

Instrument :

MSVOA_U

ClientSampled :

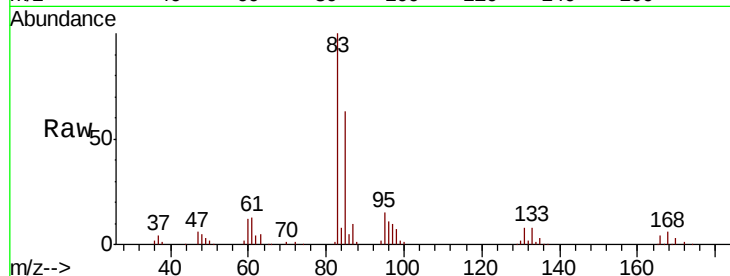
Tot Ion: 83 Resp: 173640

Ion Ratio Lower Upper

83 100

85 63.4 44.7 82.9

131 8.4 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU036691.D (-2933) (-)

Ion 85.00 (84.70 to 85.70): VU036691.D (-2933) (-)

Ion 131.00 (130.70 to 131.70): VU036691.D (-2933) (-)

10.81

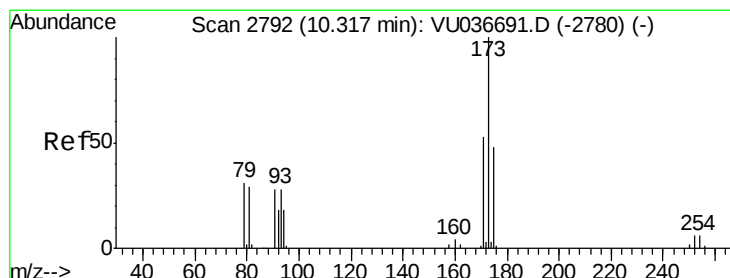
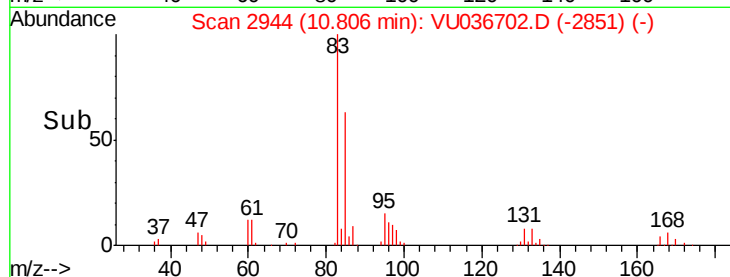
100000

50000

0

Time-->

10.75 10.80 10.85 10.90



#59

Bromoform

Concen: 51.423 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

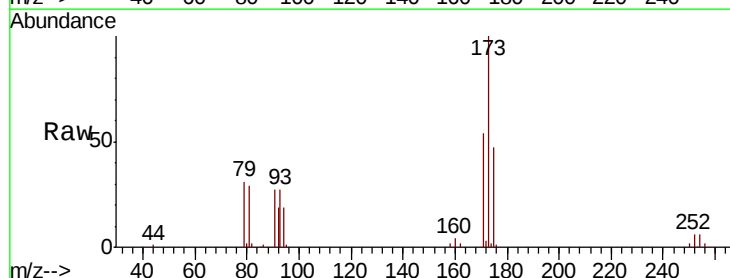
Tgt Ion: 173 Resp: 65354

Ion Ratio Lower Upper

173 100

175 47.8 38.2 57.4

254 5.7 4.8 7.2



Abundance Ion 173.00 (172.70 to 173.70): VU036691.D (-2780) (-)

Ion 175.00 (174.70 to 175.70): VU036691.D (-2780) (-)

Ion 254.00 (253.70 to 254.70): VU036691.D (-2780) (-)

10.32

50000

40000

30000

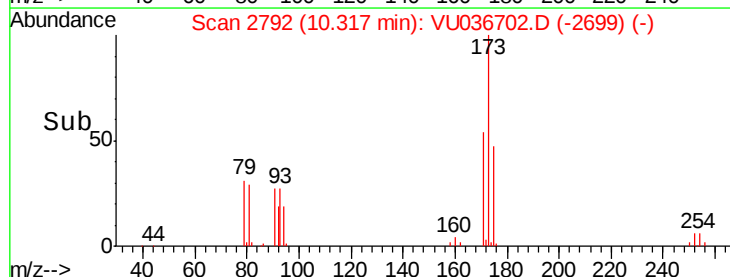
20000

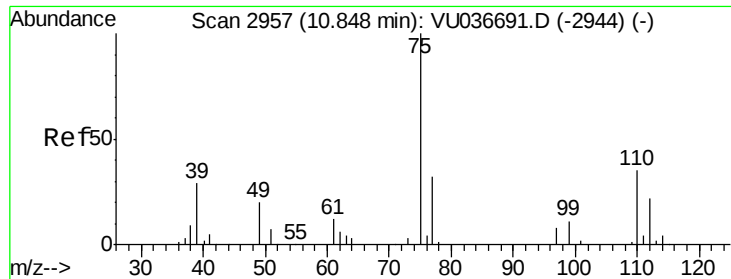
10000

0

Time-->

10.25 10.30 10.35 10.40

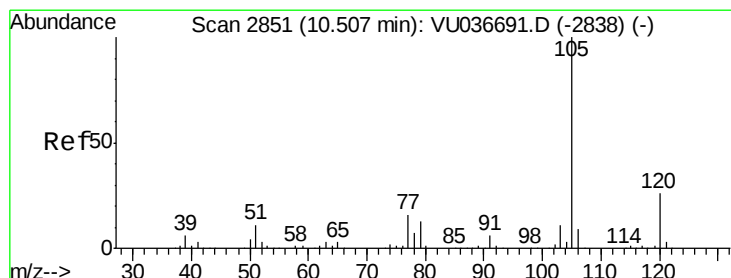
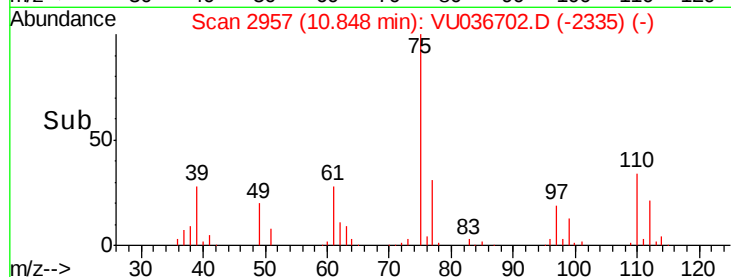
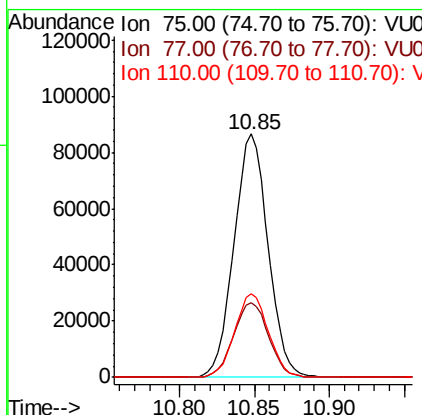
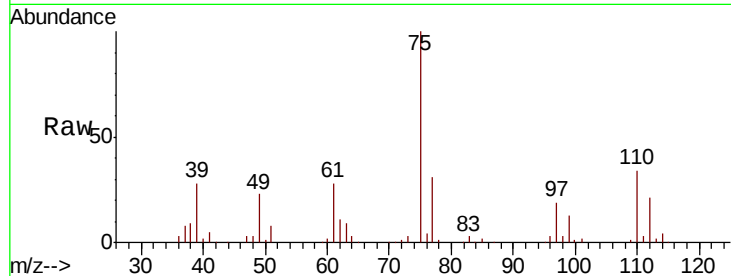




#60
1,2,3-Trichloropropane
Concen: 50.722 ug/L
RT: 10.85 min Scan# 2957
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

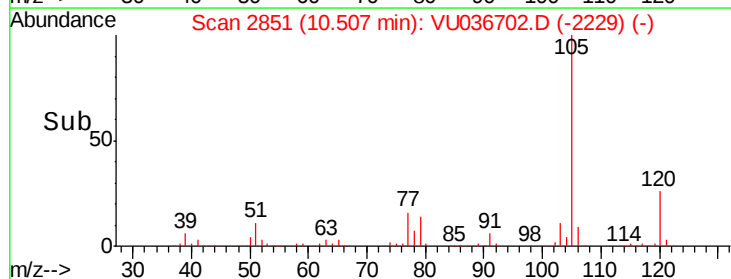
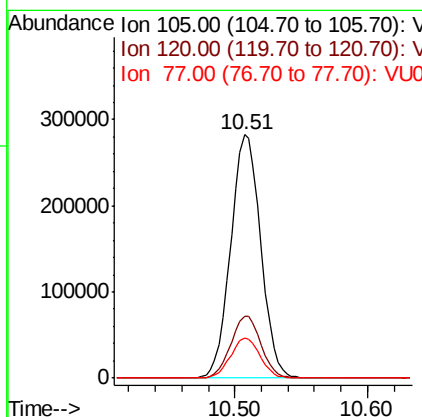
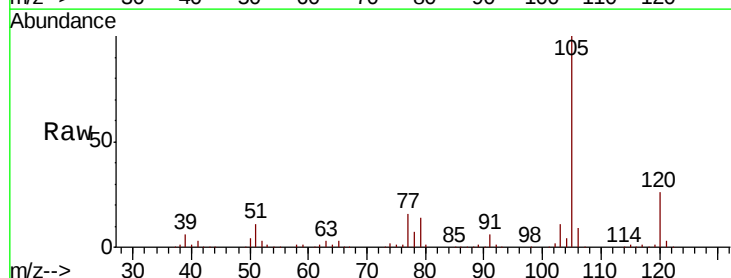
Instrument :
MSVOA_U
ClientSampled :

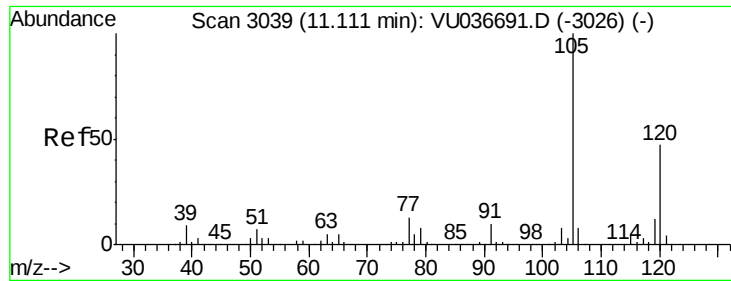
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.1	39.1
110	34.1	26.9	40.3



#61
Isopropylbenzene
Concen: 51.806 ug/L
RT: 10.51 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.2	30.4
77	16.3	13.0	19.6





#62

1,3,5-Trimethylbenzene

Concen: 52.516 ug/L

RT: 11.11 min Scan# 3039

Delta R.T. 0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

Instrument :

MSVOA_U

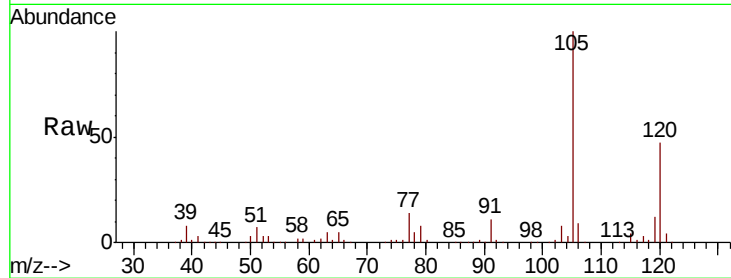
ClientSampled :

Tot Ion:105 Resp: 385667

Ion Ratio Lower Upper

105 100

120 46.9 37.1 55.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

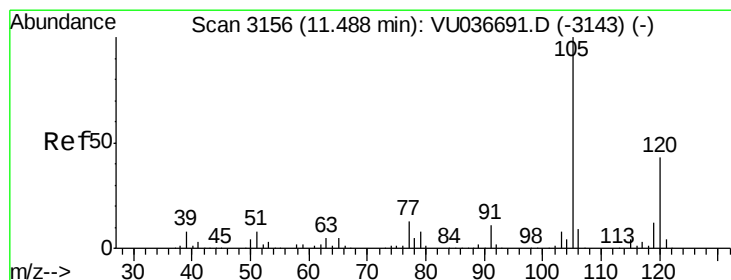
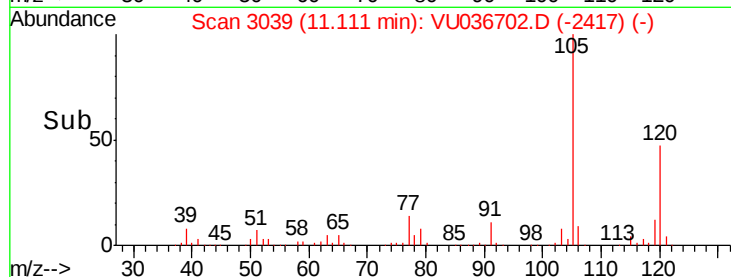
100000

50000

0

11.05 11.10 11.15

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 52.400 ug/L

RT: 11.49 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU036702.D

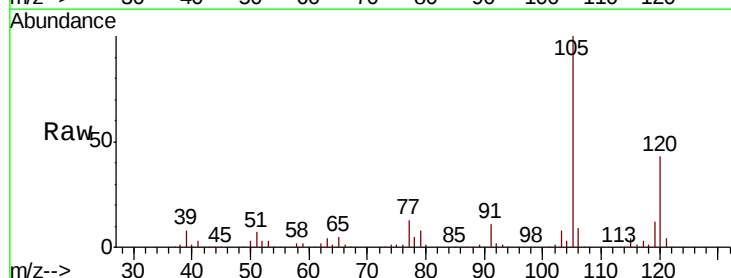
Acq: 10 Feb 2020 10:06

Tgt Ion:105 Resp: 384258

Ion Ratio Lower Upper

105 100

120 43.3 34.7 52.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

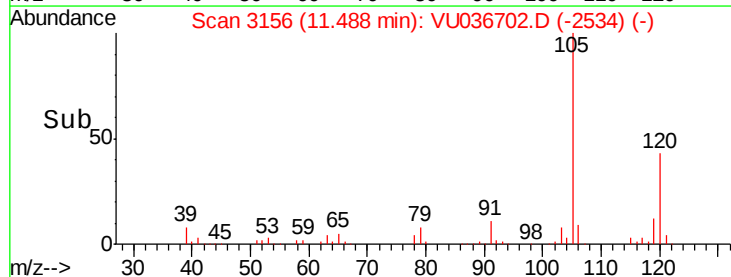
100000

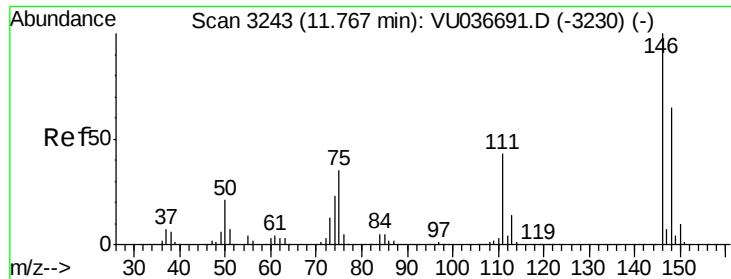
50000

0

11.45 11.50 11.55

Time-->





#64

1,3-Dichlorobenzene

Concen: 52.305 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

Instrument :

MSVOA_U

ClientSampled :

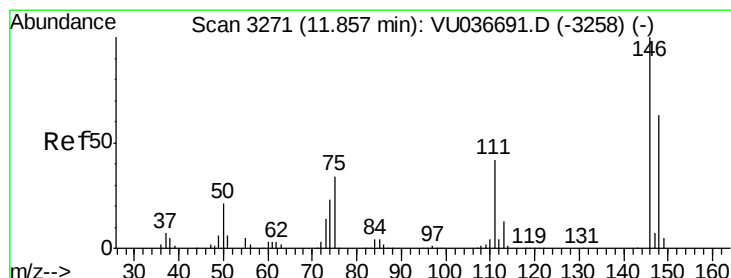
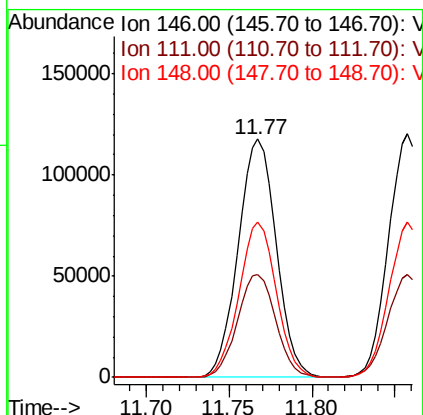
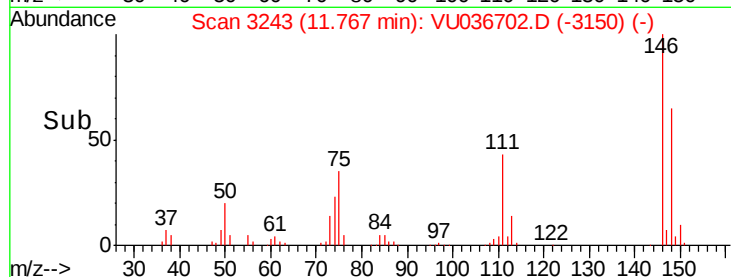
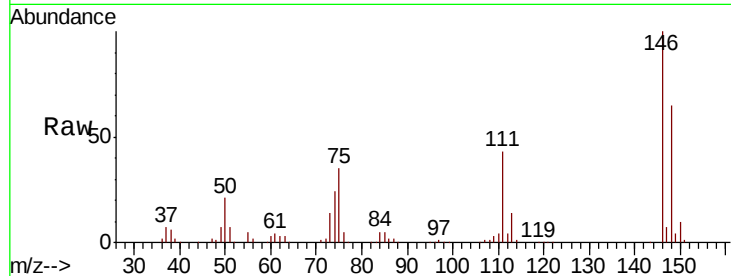
Tot Ion:146 Resp: 188414

Ion Ratio Lower Upper

146 100

111 43.4 30.4 56.4

148 65.3 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 52.282 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036702.D

Acq: 10 Feb 2020 10:06

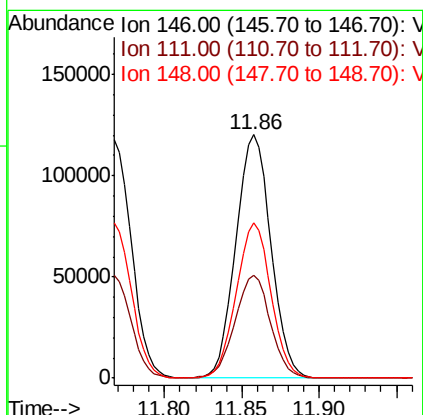
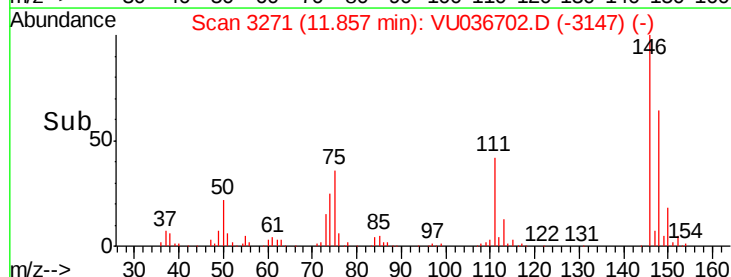
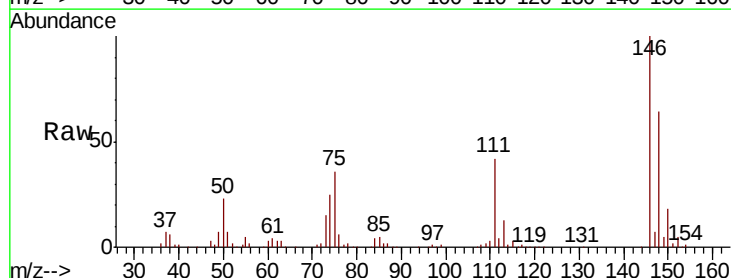
Tgt Ion:146 Resp: 189606

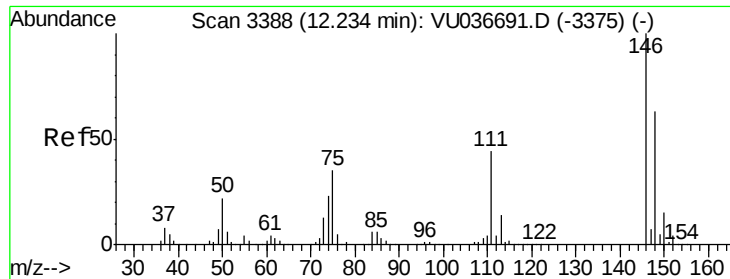
Ion Ratio Lower Upper

146 100

111 42.3 29.3 54.3

148 63.6 44.8 83.2

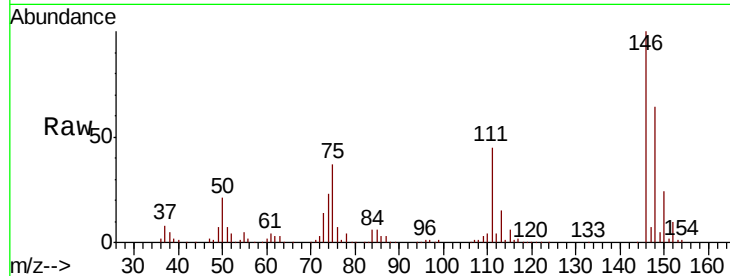




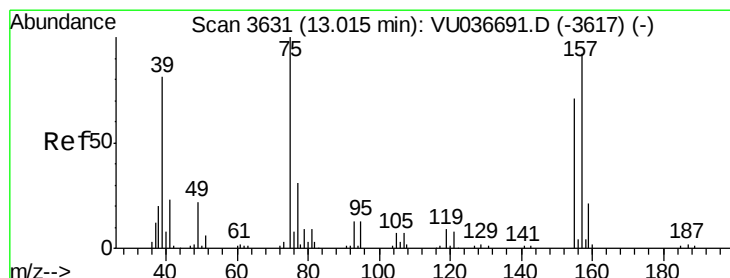
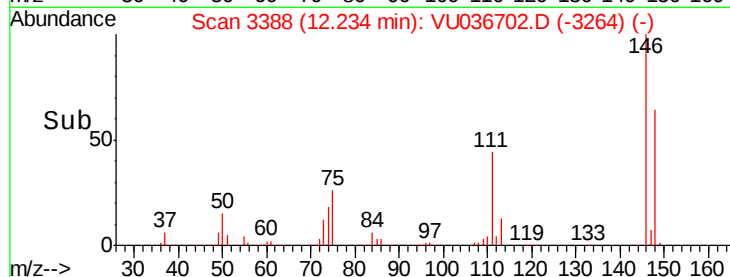
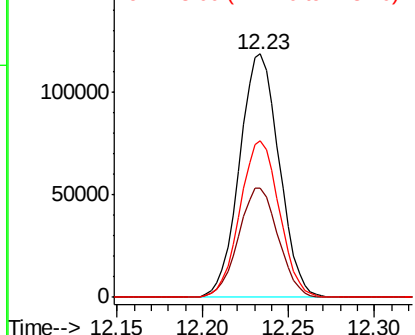
#67
 1,2-Dichlorobenzene
 Concen: 52.110 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 190052
 Ion Ratio Lower Upper
 146 100
 111 45.0 35.4 53.0
 148 64.4 50.4 75.6

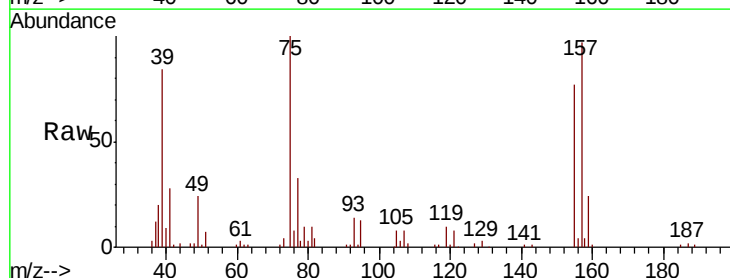


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

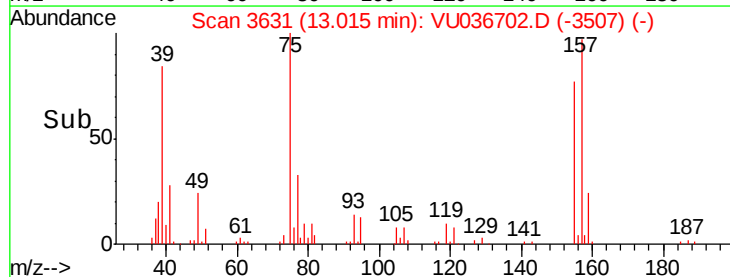
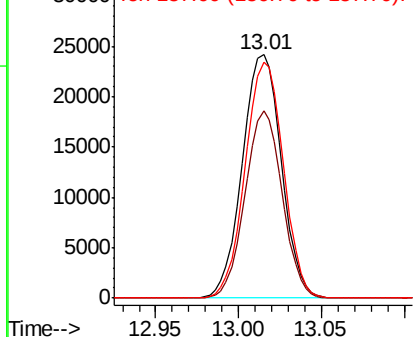


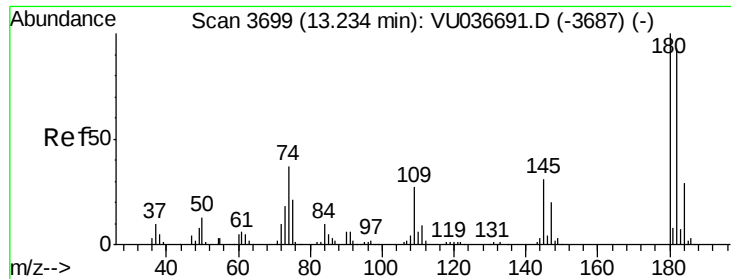
#68
 1,2-Dibromo-3-chloropropane
 Concen: 51.319 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

Tgt Ion: 75 Resp: 39684
 Ion Ratio Lower Upper
 75 100
 155 76.8 58.7 88.1
 157 96.9 77.8 116.6



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

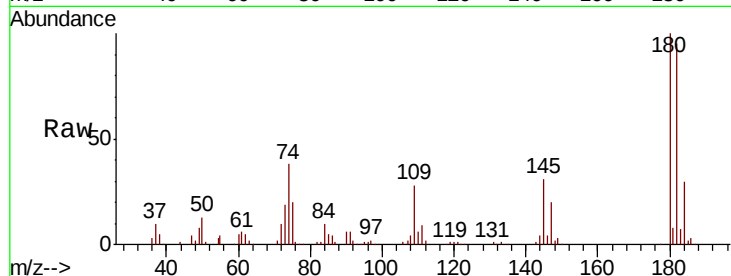




#69
 1,3,5-Trichlorobenzene
 Concen: 53.679 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.2	114.4
184	30.1	23.8	35.6
145	31.5	25.0	37.6



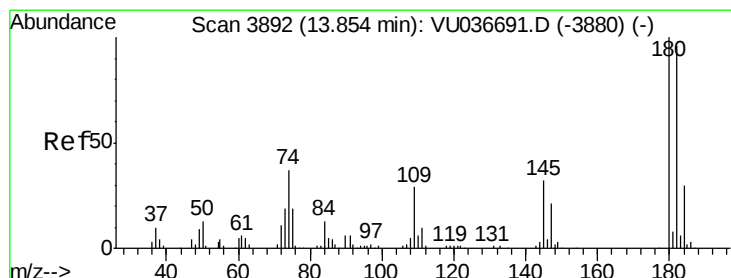
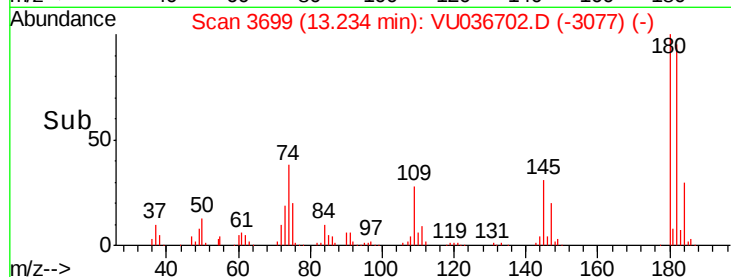
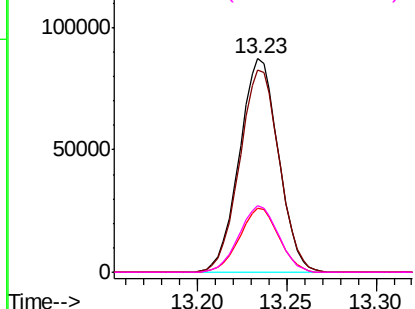
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

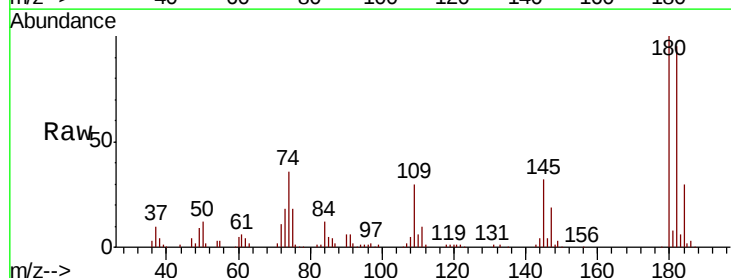
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 55.424 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036702.D
 Acq: 10 Feb 2020 10:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.1	114.1
145	31.8	25.7	38.5

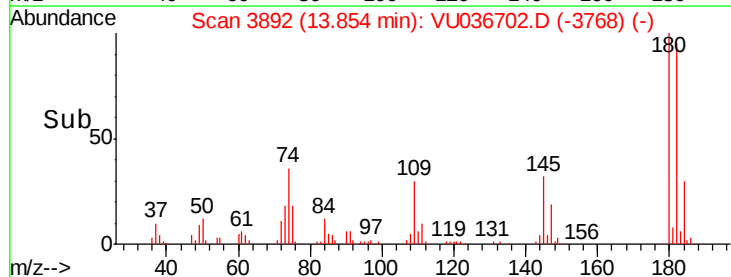
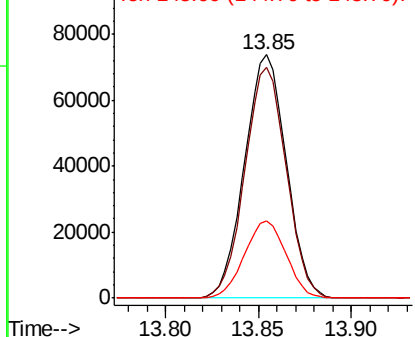


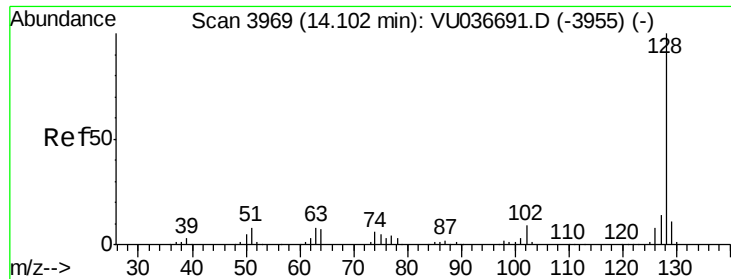
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

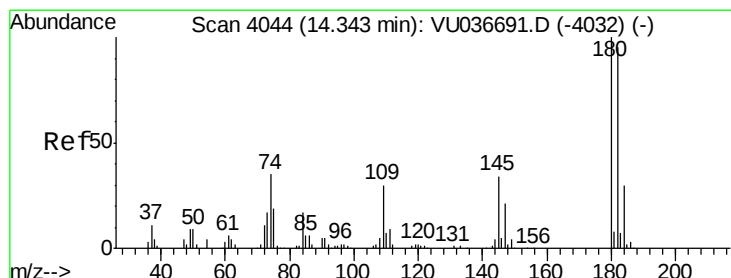
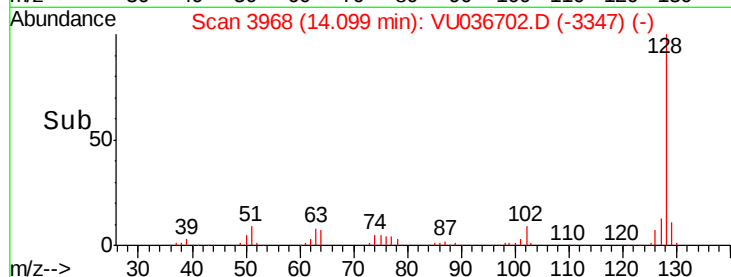
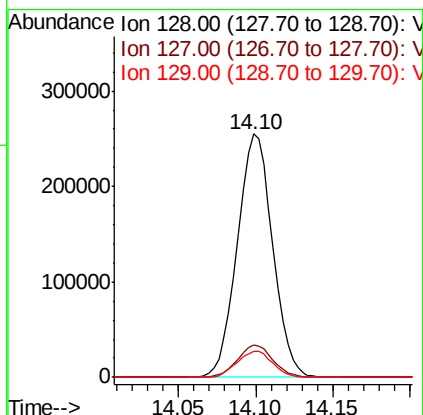
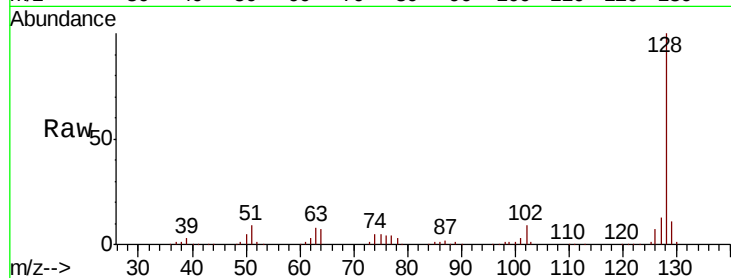




#71
Naphthalene
Concen: 54.991 ug/L
RT: 14.10 min Scan# 3968
Delta R.T. -0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 403750
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.8 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 53.732 ug/L
RT: 14.34 min Scan# 4044
Delta R.T. 0.00 min
Lab File: VU036702.D
Acq: 10 Feb 2020 10:06

Tgt Ion:180 Resp: 111501
Ion Ratio Lower Upper
180 100
182 95.3 76.8 115.2
145 34.0 27.5 41.3

