

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021020\
 Data File : VU036712.D
 Acq On : 10 Feb 2020 16:18
 Operator : JC/MD
 Sample : MDL07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 11 03:35:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 03:31:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	261630	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	247282	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	103750	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	68240	39.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.22%
7) Chloroethane-d5	1.93	69	70274	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.88%
11) 1,1-Dichloroethene-d2	2.59	63	103598	31.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.90%
21) 2-Butanone-d5	4.68	46	147286	98.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.94%
24) Chloroform-d	5.11	84	142542	45.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.28%
26) 1,2-Dichloroethane-d4	5.75	65	102925	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.30%
32) Benzene-d6	5.77	84	300536	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
36) 1,2-Dichloropropane-d6	6.73	67	104233	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.60%
41) Toluene-d8	7.93	98	270617	45.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.92%
43) trans-1,3-Dichloropropene-	8.21	79	46300	44.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.62%
47) 2-Hexanone-d5	8.67	63	120560	97.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.88%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	151628	47.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.36%
66) 1,2-Dichlorobenzene-d4	12.21	152	92174	48.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	4214	2.331 ug/L	94
3) Chloromethane	1.54	50	5375	2.509 ug/L	98
5) Vinyl chloride	1.62	62	6358	2.757 ug/L #	61
6) Bromomethane	1.87	94	3332	2.304 ug/L	97
8) Chloroethane	1.95	64	4200	2.869 ug/L	84
9) Trichlorofluoromethane	2.16	101	6930	2.529 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	4713	2.871 ug/L	92
12) 1,1-Dichloroethene	2.61	96	4832	3.023 ug/L #	1
13) Acetone	2.66	43	10506	6.644 ug/L	94
14) Carbon disulfide	2.82	76	12003	2.513 ug/L	96
15) Methyl Acetate	2.99	43	5521	2.415 ug/L	95
16) Methylene chloride	3.08	84	6036	3.060 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	4588	2.698 ug/L	92
18) Methyl tert-butyl Ether	3.41	73	15203	2.576 ug/L	98
19) 1,1-Dichloroethane	3.92	63	8923	2.634 ug/L	93
20) cis-1,2-Dichloroethene	4.72	96	5230	2.699 ug/L	93
22) 2-Butanone	4.76	43	10683	5.692 ug/L	97

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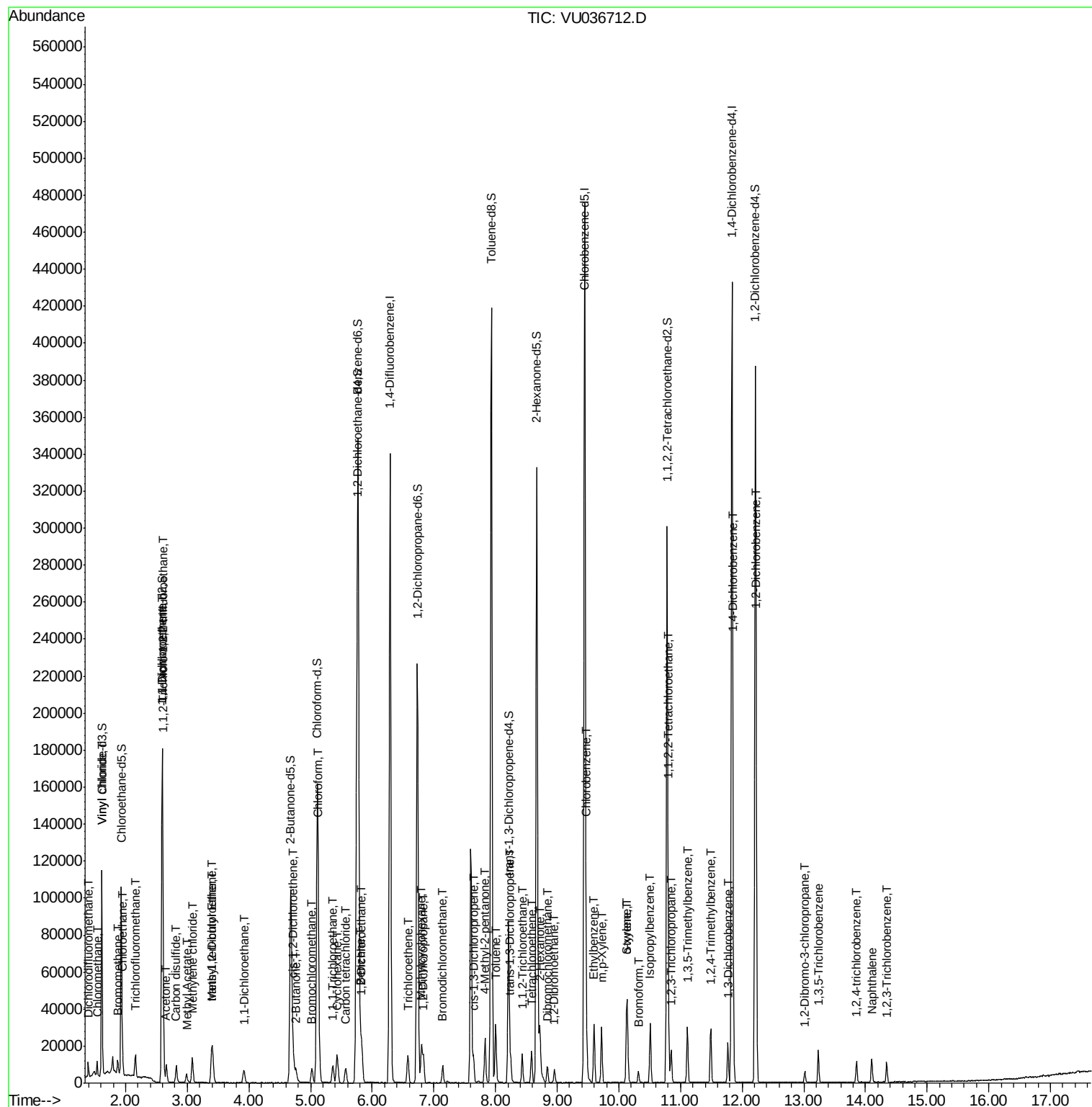
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	2341	2.578	ug/L	92
25) Chloroform	5.13	83	14650	4.446	ug/L	99
27) 1,2-Dichloroethane	5.84	62	7582	2.736	ug/L #	93
29) Cyclohexane	5.43	56	7669	2.414	ug/L	95
30) 1,1,1-Trichloroethane	5.36	97	6820	2.596	ug/L	98
31) Carbon tetrachloride	5.56	117	2809	1.321	ug/L	89
33) Benzene	5.82	78	19878	2.658	ug/L	100
34) Trichloroethene	6.58	95	4762	2.575	ug/L	95
35) Methylcyclohexane	6.80	83	8107	2.489	ug/L	97
37) 1,2-Dichloropropane	6.83	63	5288	2.622	ug/L #	92
38) Bromodichloromethane	7.14	83	5867	2.394	ug/L #	96
39) cis-1,3-Dichloropropene	7.64	75	8021	2.489	ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	16236	5.095	ug/L	99
42) Toluene	8.00	91	22425	2.775	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	7466	2.652	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	4773	2.594	ug/L	98
46) Tetrachloroethene	8.58	164	3444	2.654	ug/L	91
48) 2-Hexanone	8.72	43	16122	6.202	ug/L	93
49) Dibromochloromethane	8.84	129	4545	2.526	ug/L	94
50) 1,2-Dibromoethane	8.95	107	4925	2.548	ug/L #	94
51) Chlorobenzene	9.47	112	12851	2.641	ug/L	99
52) Ethylbenzene	9.60	91	22161	2.495	ug/L	96
53) m,p-Xylene	9.72	106	8352	2.549	ug/L	90
54) o-xylene	10.13	106	8037	2.476	ug/L	92
55) Styrene	10.14	104	11958	2.211	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.81	83	9171	2.766	ug/L #	95
59) Bromoform	10.32	173	2679	2.337	ug/L #	93
60) 1,2,3-Trichloropropane	10.85	75	7339	3.007	ug/L	98
61) Isopropylbenzene	10.51	105	20211	2.616	ug/L	98
62) 1,3,5-Trimethylbenzene	11.11	105	16581	2.503	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	16468	2.490	ug/L	98
64) 1,3-Dichlorobenzene	11.77	146	8389	2.582	ug/L	95
65) 1,4-Dichlorobenzene	11.86	146	8903	2.722	ug/L	95
67) 1,2-Dichlorobenzene	12.24	146	9273	2.819	ug/L	94
68) 1,2-Dibromo-3-chloropropan	13.01	75	1618	2.320	ug/L	96
69) 1,3,5-Trichlorobenzene	13.24	180	4934	2.190	ug/L	95
70) 1,2,4-trichlorobenzene	13.86	180	3196	1.701	ug/L	95
71) Naphthalene	14.10	128	10027	1.514	ug/L	99
72) 1,2,3-Trichlorobenzene	14.35	180	3305	1.766	ug/L	98

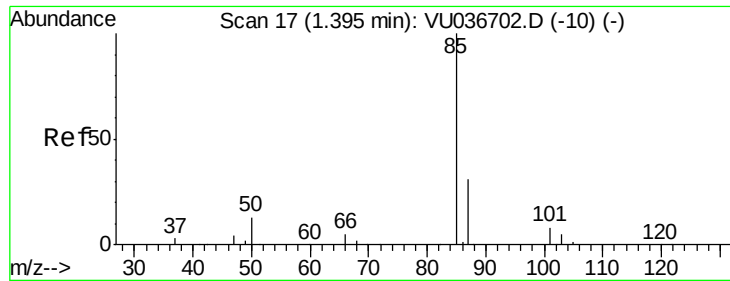
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.331 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Instrument :

MSVOA_U

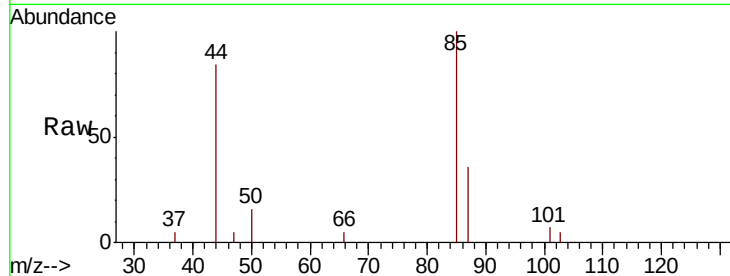
ClientSampleId :

Tot Ion: 85 Resp: 4214

Ion Ratio Lower Upper

85 100

87 35.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036712.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036712.D (-10) (-)

1.39

4000

3000

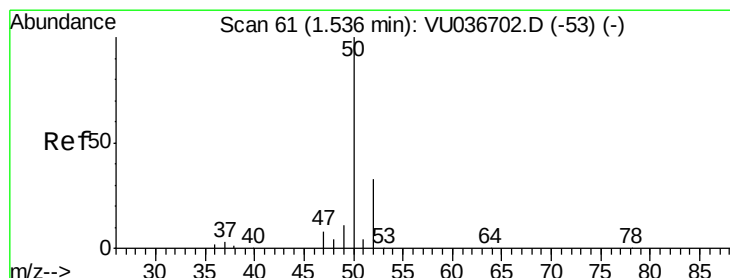
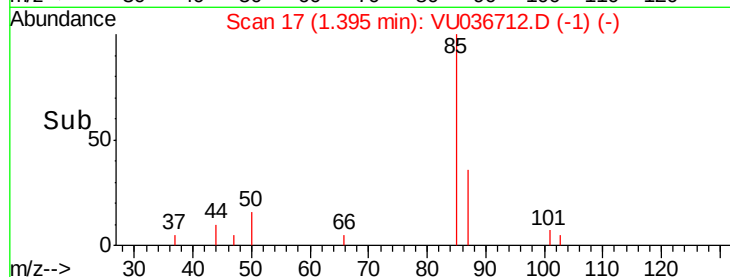
2000

1000

0

Time-->

1.36 1.38 1.40 1.42



#3

Chloromethane

Concen: 2.509 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036712.D

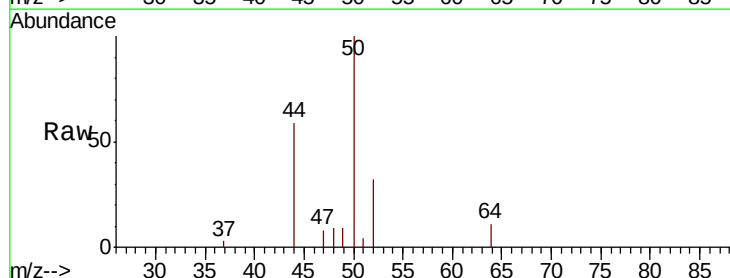
Acq: 10 Feb 2020 16:18

Tgt Ion: 50 Resp: 5375

Ion Ratio Lower Upper

50 100

52 31.8 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036712.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036712.D (-53) (-)

1.54

6000

5000

4000

3000

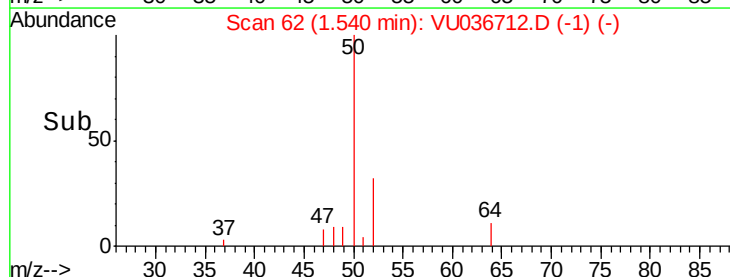
2000

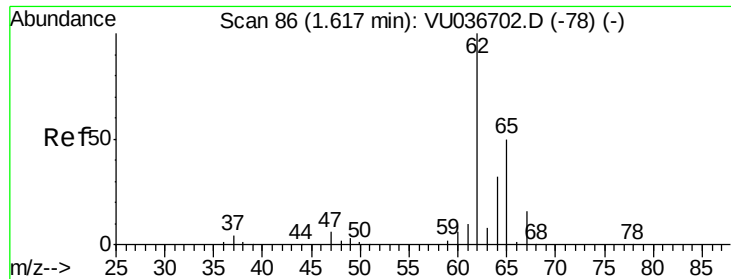
1000

0

Time-->

1.50 1.52 1.54 1.56





#5

Vinyl chloride

Concen: 2.757 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Instrument :

MSVOA_U

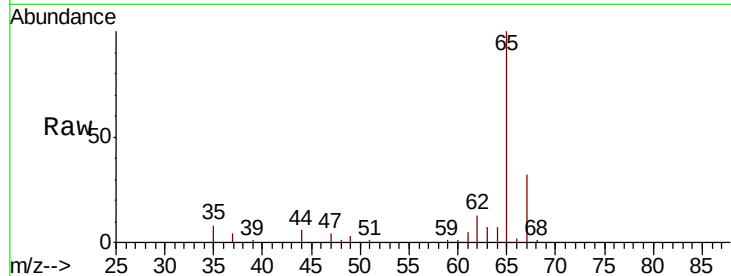
ClientSampled :

Tot Ion: 62 Resp: 6358

Ion Ratio Lower Upper

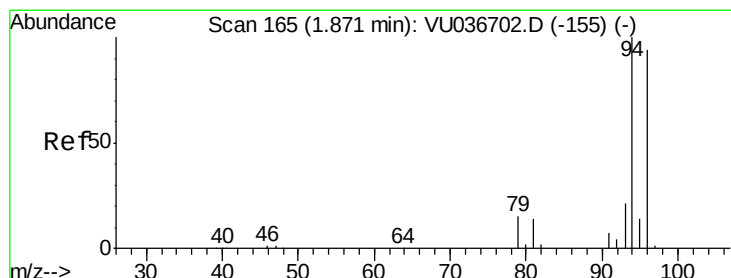
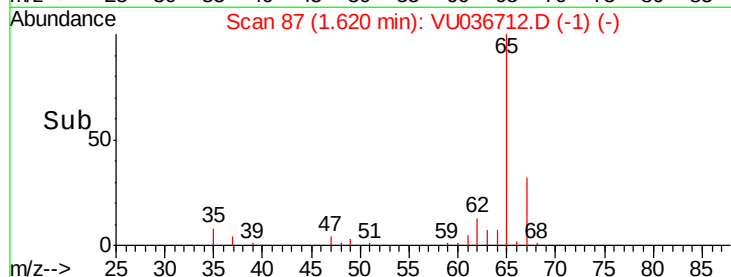
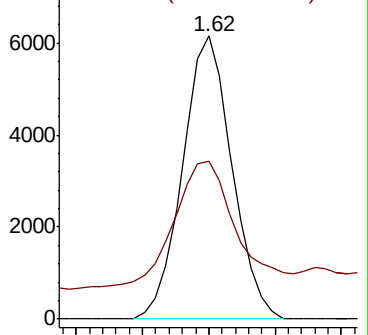
62 100

64 55.8 23.4 43.6#



Abundance Ion 62.00 (61.70 to 62.70): VU036712.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU036712.D (-1) (-)



#6

Bromomethane

Concen: 2.304 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036712.D

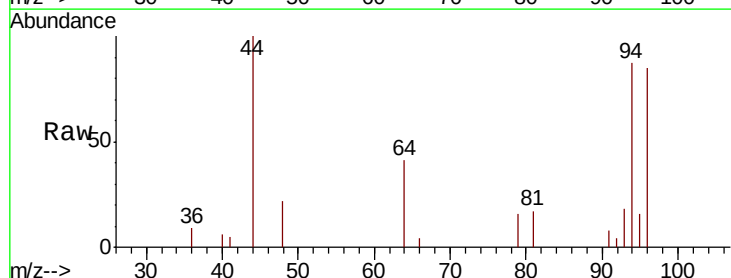
Acq: 10 Feb 2020 16:18

Tgt Ion: 94 Resp: 3332

Ion Ratio Lower Upper

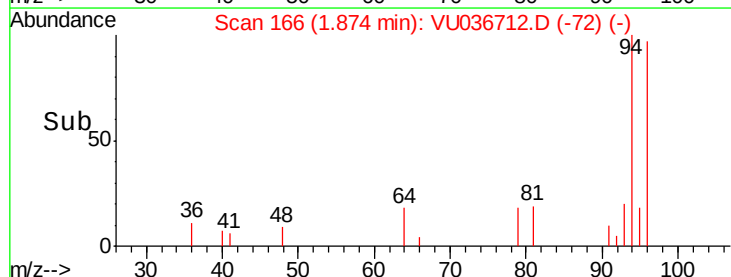
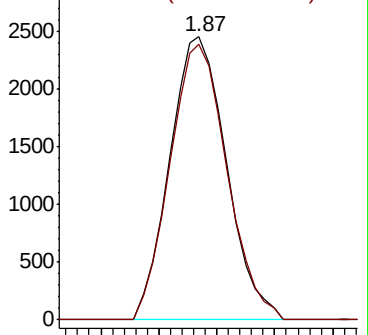
94 100

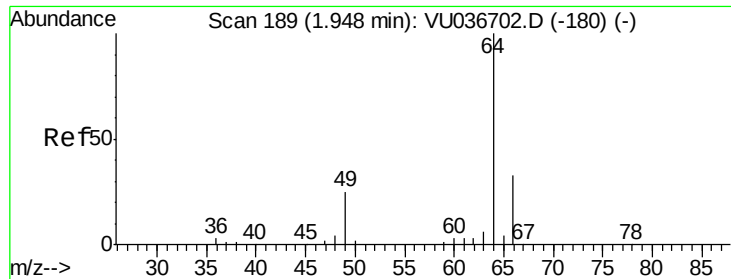
96 97.3 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU036712.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU036712.D (-72) (-)

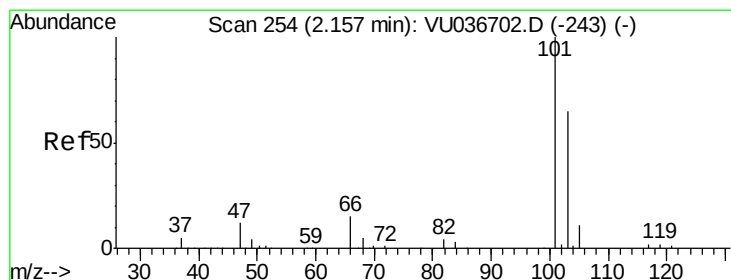
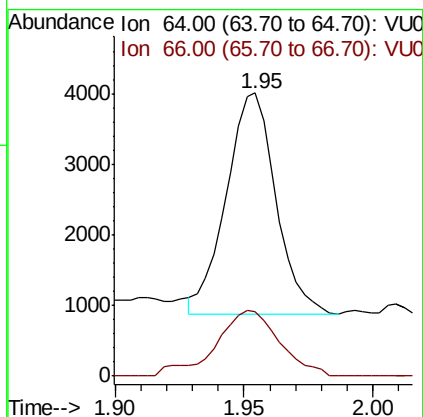
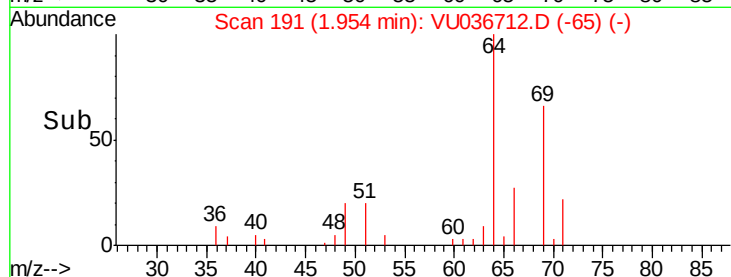
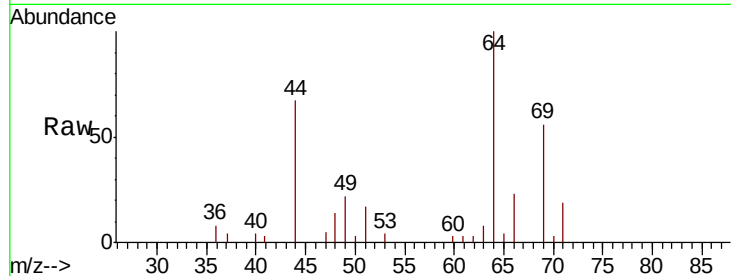




#8
Chloroethane
Concen: 2.869 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.01 min
Lab File: VU036712.D
Acq: 10 Feb 2020 16:18

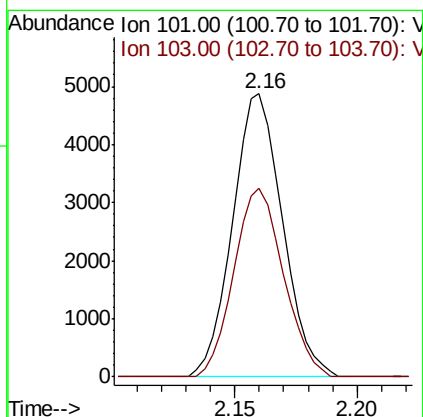
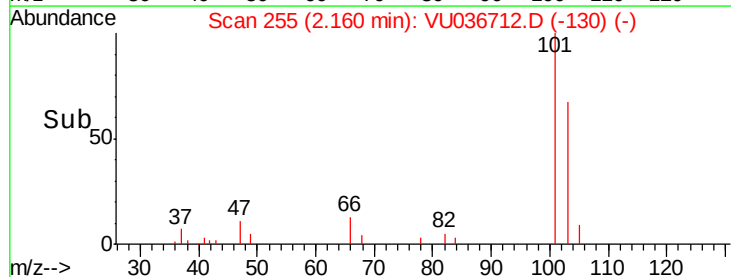
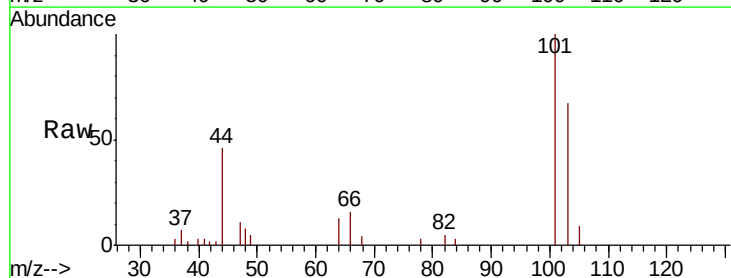
Instrument :
MSVOA_U
ClientSampleId :

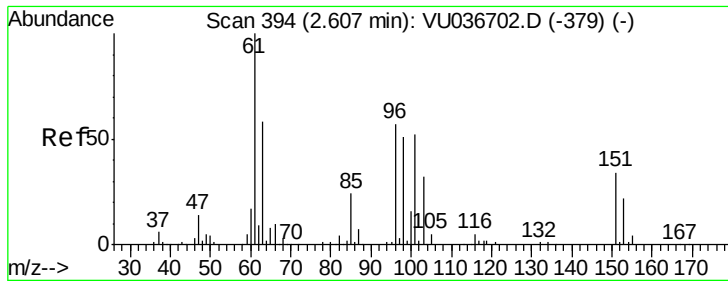
Tot Ion: 64 Resp: 4200
Ion Ratio Lower Upper
64 100
66 22.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 2.529 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU036712.D
Acq: 10 Feb 2020 16:18

Tgt Ion:101 Resp: 6930
Ion Ratio Lower Upper
101 100
103 66.2 51.6 77.4





#10

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

Concen: 2.871 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Instrument :

MSVOA_U

ClientSampleId :

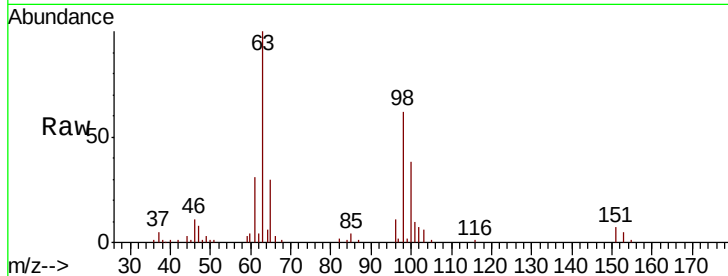
Tot Ion:101 Resp: 4713

Ion Ratio Lower Upper

101 100

85 38.4 36.5 54.7

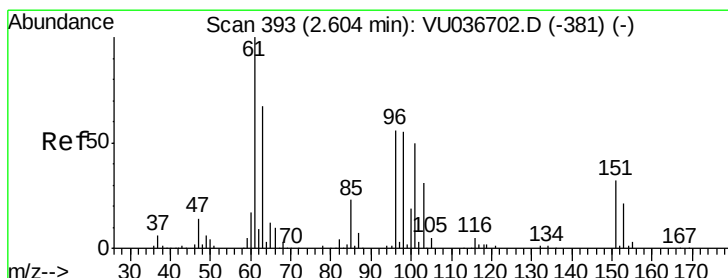
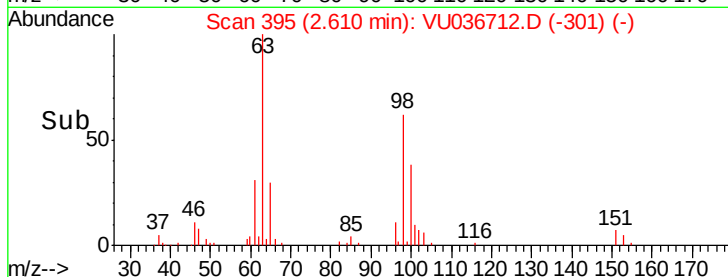
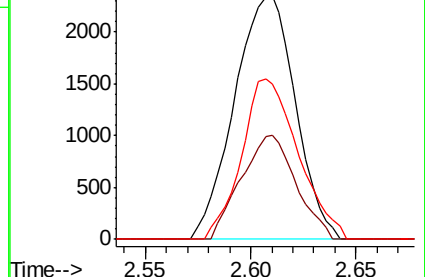
151 61.2 52.6 78.8



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: 3.023 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

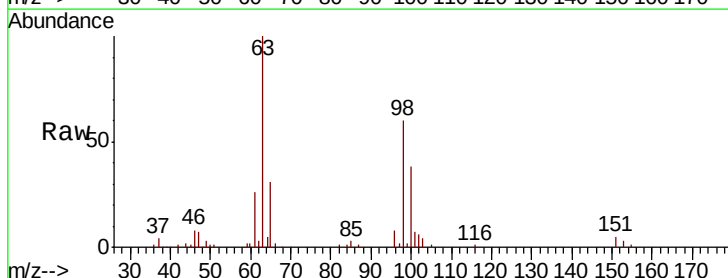
Tgt Ion: 96 Resp: 4832

Ion Ratio Lower Upper

96 100

61 309.1 124.4 231.0#

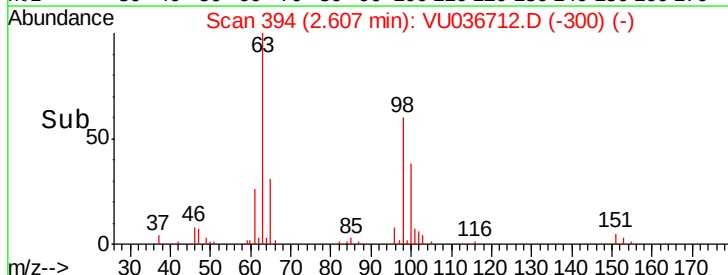
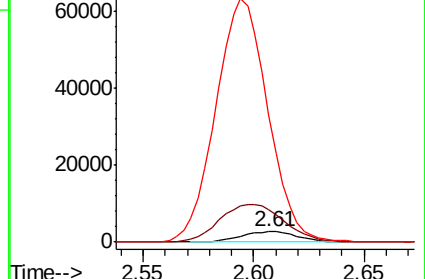
63 1206.6 83.4 155.0#

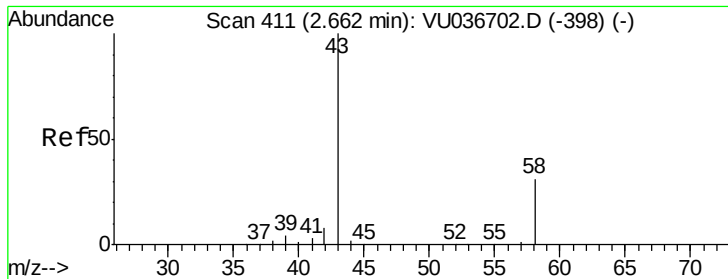


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.644 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

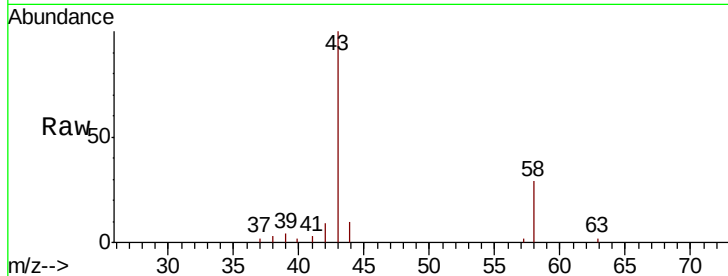
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 10506

Ion Ratio Lower Upper

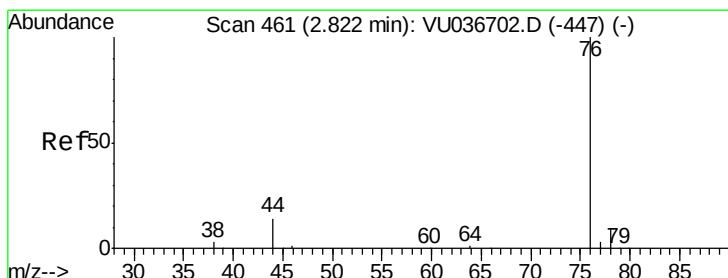
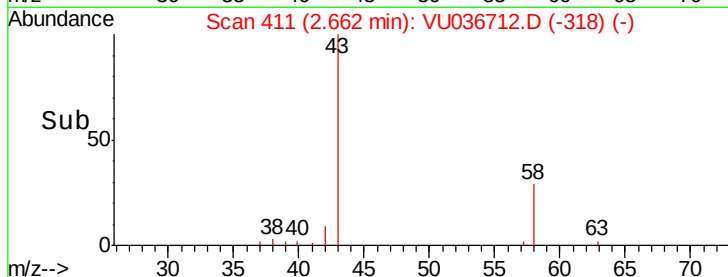
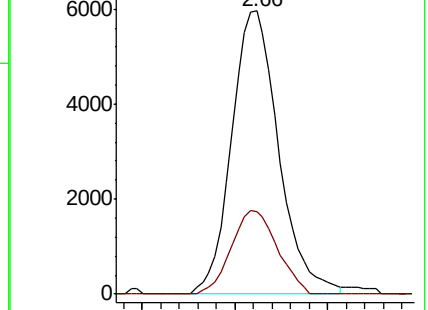
43 100

58 28.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU036712.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036712.D (-398) (-)



#14

Carbon disulfide

Concen: 2.513 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036712.D

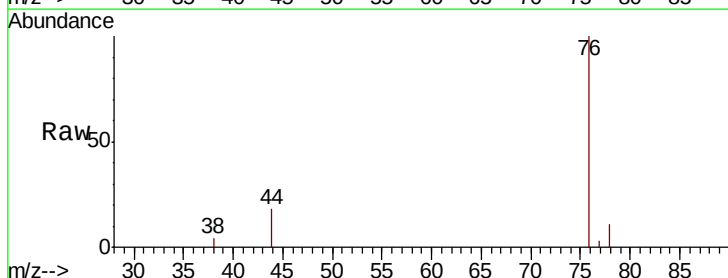
Acq: 10 Feb 2020 16:18

Tgt Ion: 76 Resp: 12003

Ion Ratio Lower Upper

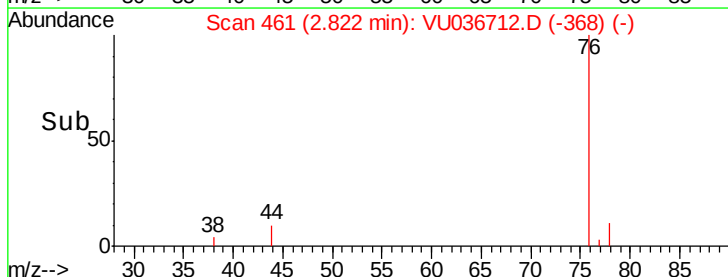
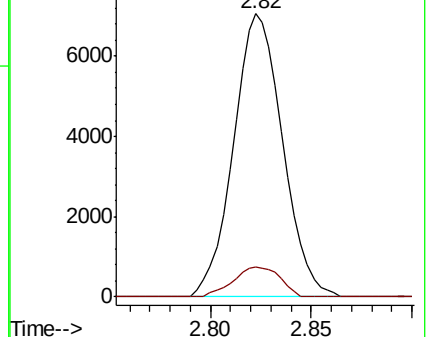
76 100

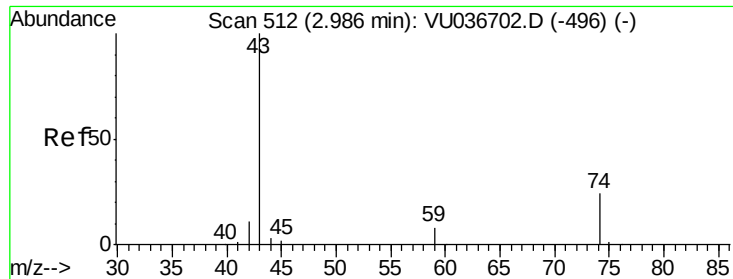
78 10.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036712.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036712.D (-368) (-)

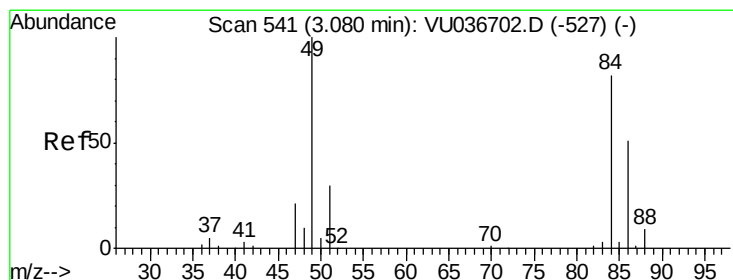
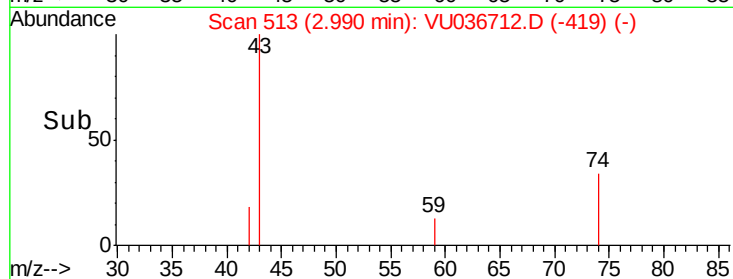
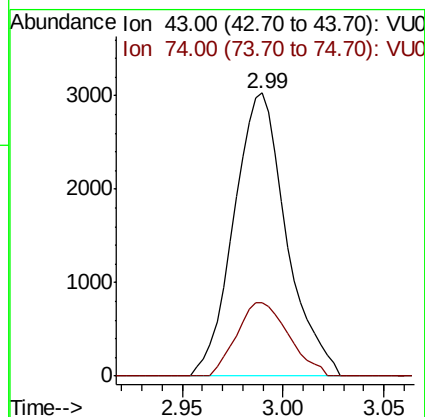
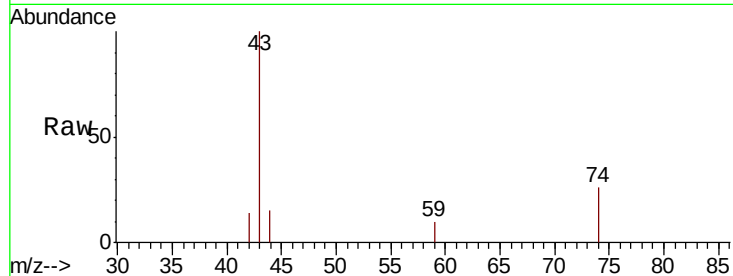




#15
Methvl Acetate
Concen: 2.415 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU036712.D
Acq: 10 Feb 2020 16:18

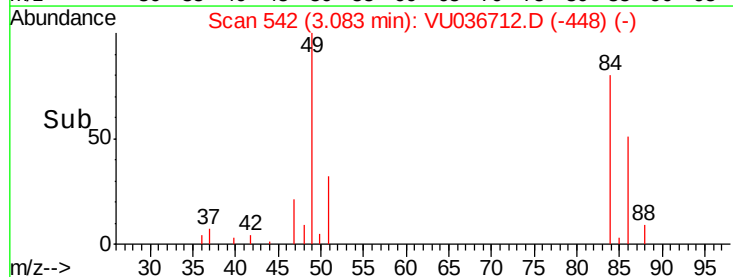
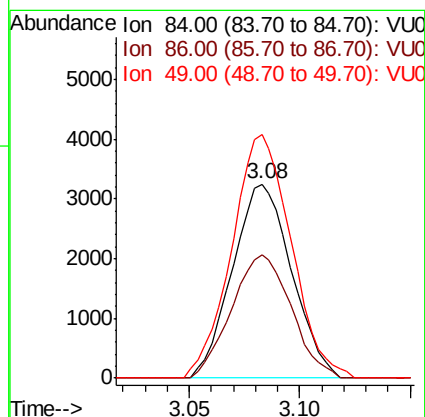
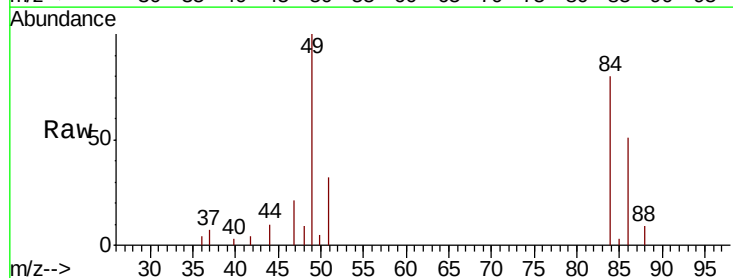
Instrument :
MSVOA_U
ClientSampleId :

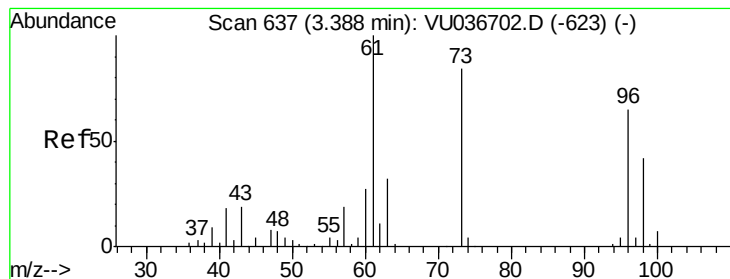
Tot Ion: 43 Resp: 5521
Ion Ratio Lower Upper
43 100
74 25.7 18.7 28.1



#16
Methylene chloride
Concen: 3.060 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036712.D
Acq: 10 Feb 2020 16:18

Tgt Ion: 84 Resp: 6036
Ion Ratio Lower Upper
84 100
86 63.7 44.4 82.5
49 125.4 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 2.698 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Instrument :
MSVOA_U
ClientSampleId :

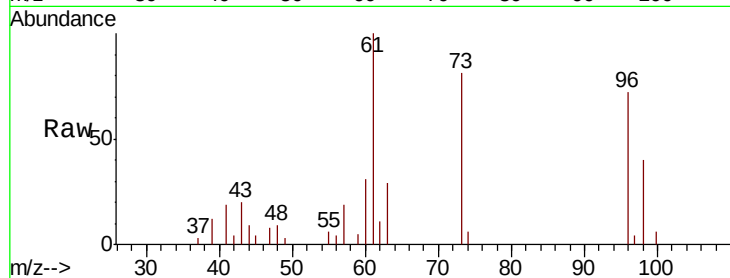
Tot Ion: 96 Resp: 4588

Ion Ratio Lower Upper

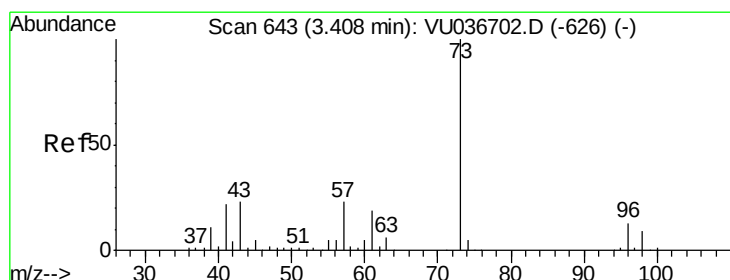
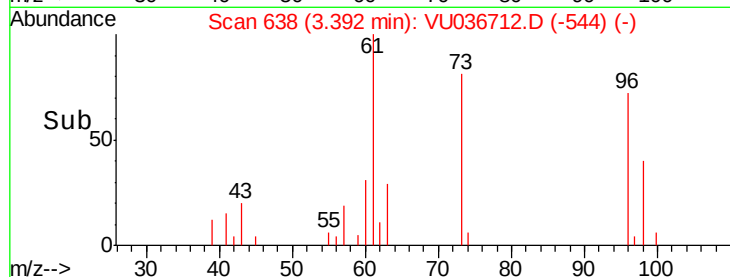
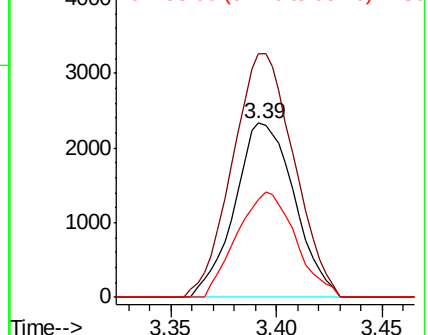
96 100

61 139.6 103.4 192.0

98 55.8 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: 2.576 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.01 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

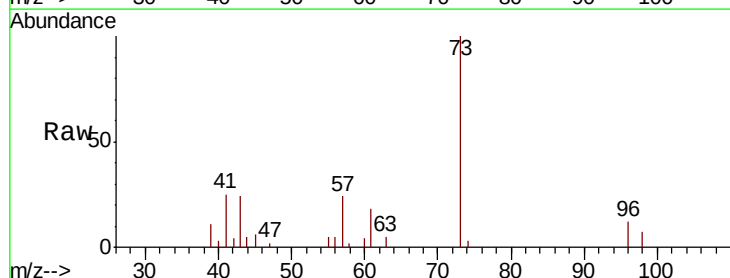
Tgt Ion: 73 Resp: 15203

Ion Ratio Lower Upper

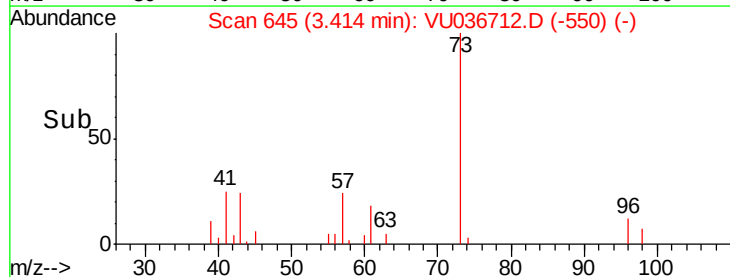
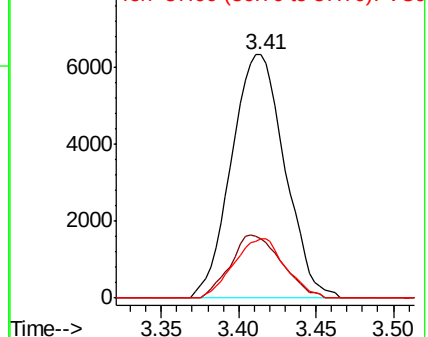
73 100

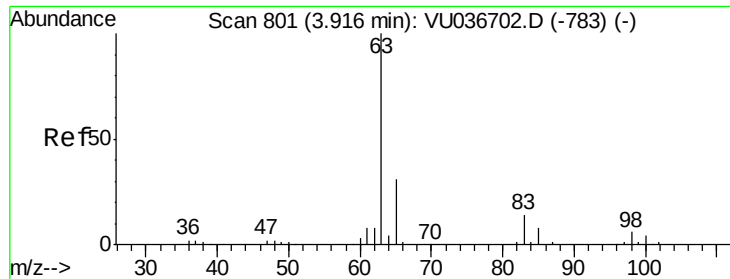
43 24.9 18.6 28.0

57 23.7 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

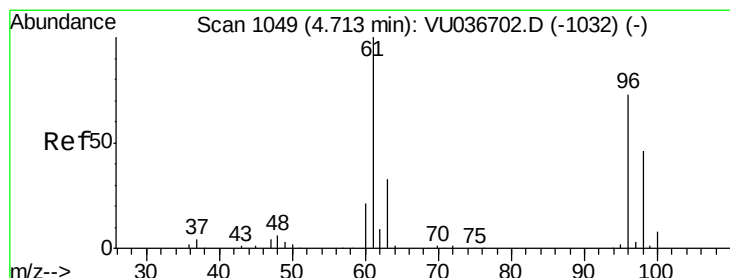
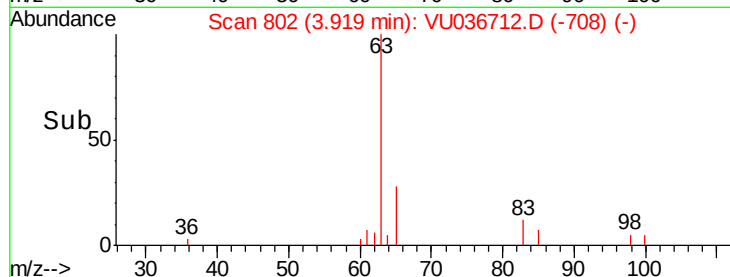
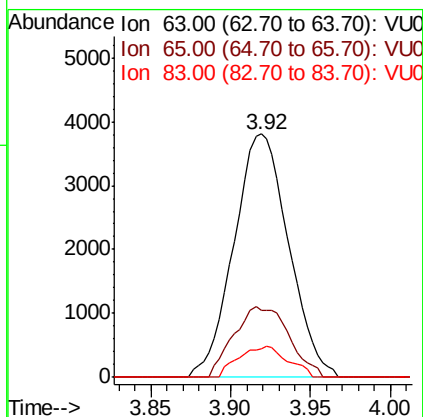
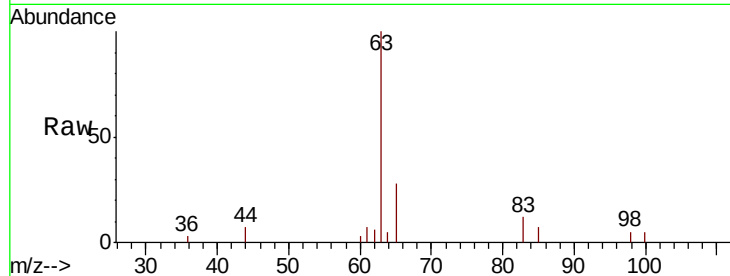




#19
 1,1-Dichloroethane
 Concen: 2.634 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

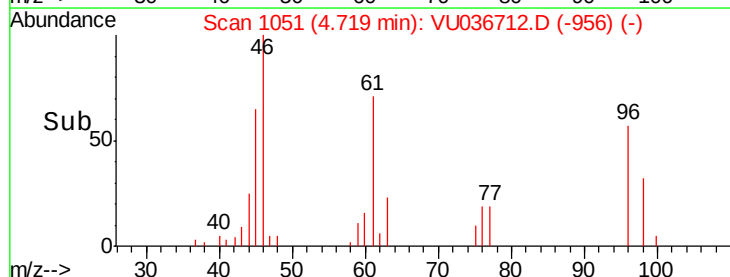
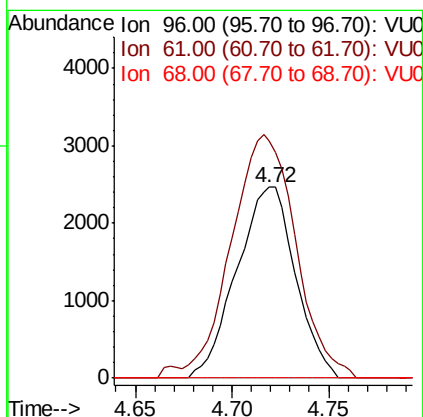
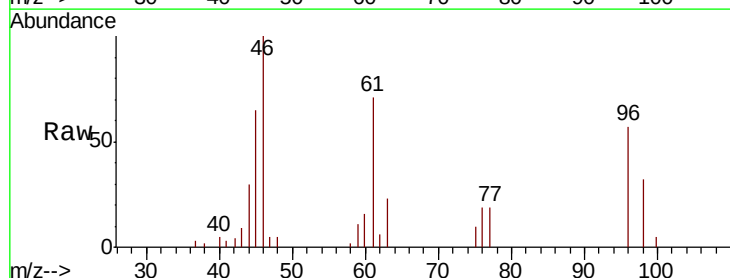
Instrument :
 MSVOA_U
 ClientSampled :

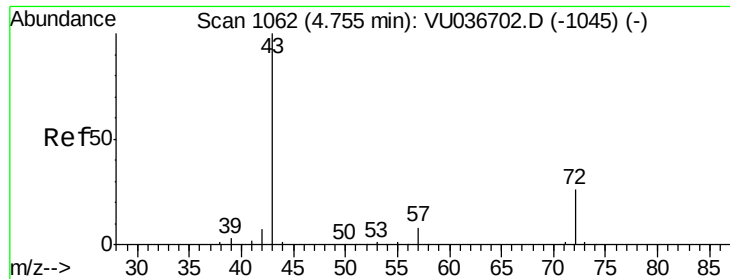
Tot Ion: 63 Resp: 8923
 Ion Ratio Lower Upper
 63 100
 65 27.6 22.0 40.8
 83 12.0 10.1 18.7



#20
 cis-1,2-Dichloroethene
 Concen: 2.699 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

Tgt Ion: 96 Resp: 5230
 Ion Ratio Lower Upper
 96 100
 61 124.7 93.3 173.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 5.692 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Instrument :

MSVOA_U

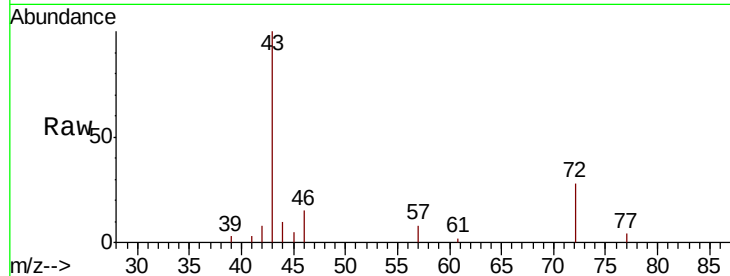
ClientSampleId :

Tot Ion: 43 Resp: 10683

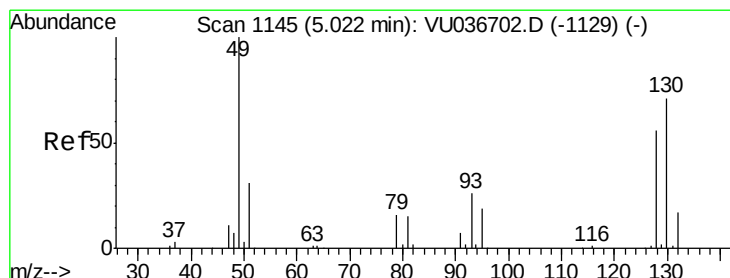
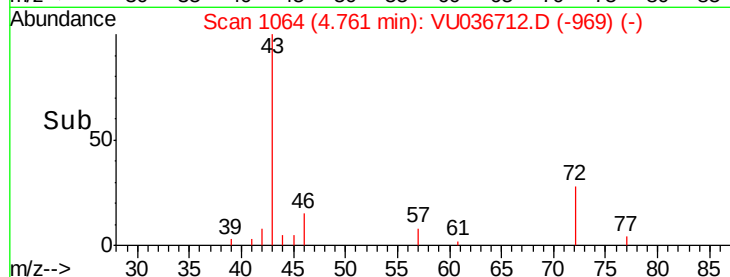
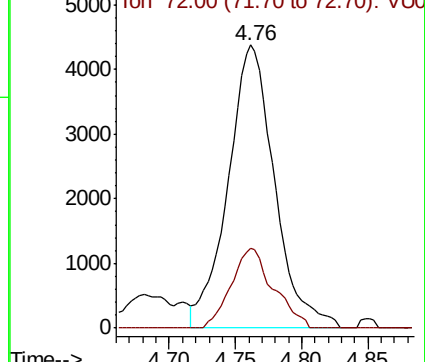
Ion Ratio Lower Upper

43 100

72 25.6 13.6 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU036712.D (-969) (-)



#23

Bromochloromethane

Concen: 2.578 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Tgt Ion: 128 Resp: 2341

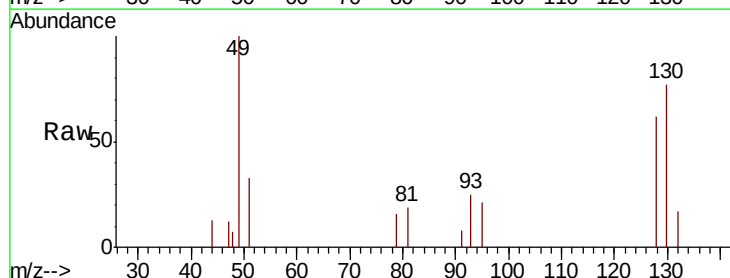
Ion Ratio Lower Upper

128 100

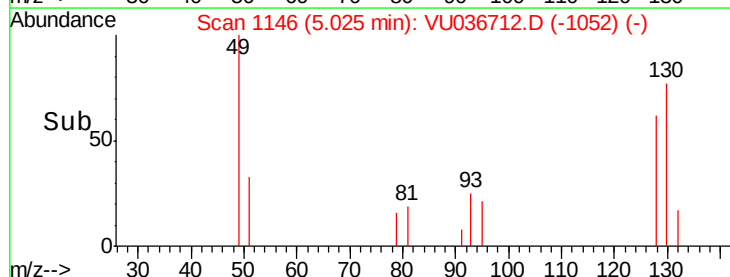
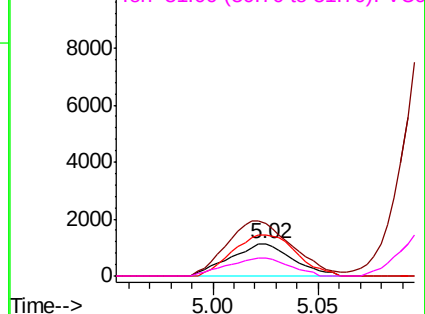
49 162.3 127.3 236.5

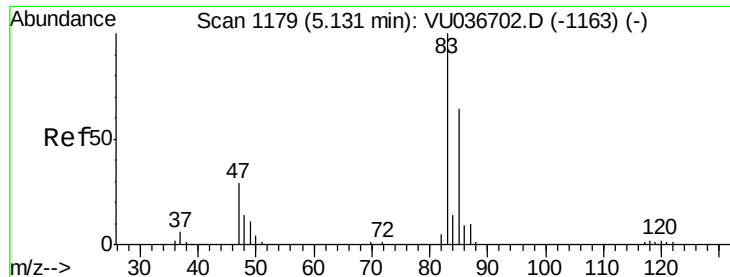
130 124.4 88.5 164.3

51 54.0 44.4 66.6



Abundance Ion 128.00 (127.70 to 128.70): VU036712.D (-1052) (-)

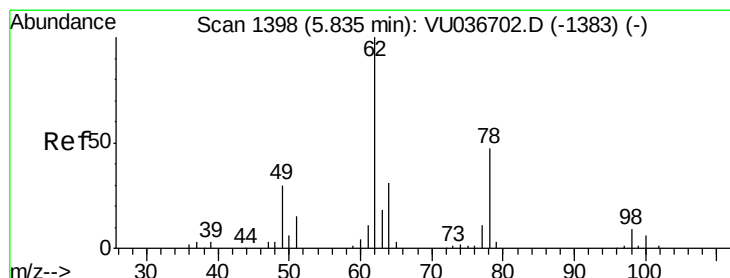
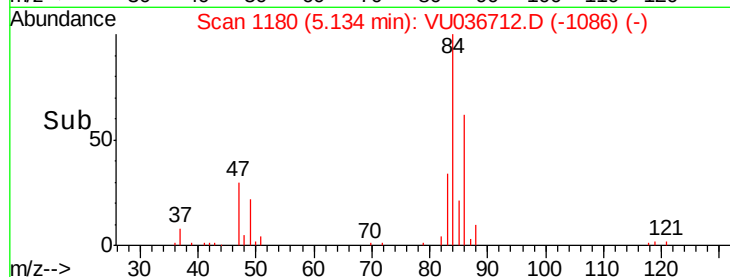
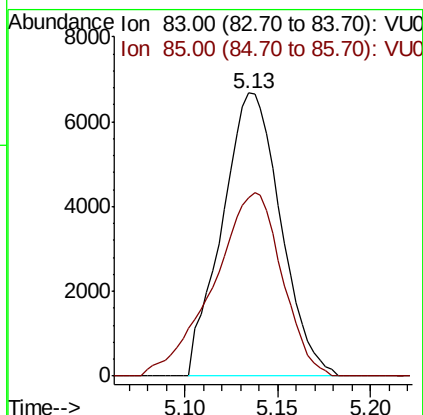
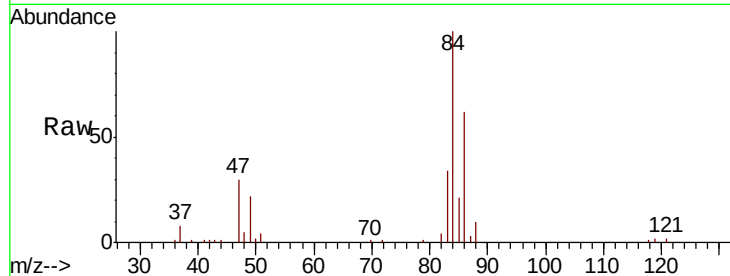




#25
Chloroform
Concen: 4.446 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036712.D
Acq: 10 Feb 2020 16:18

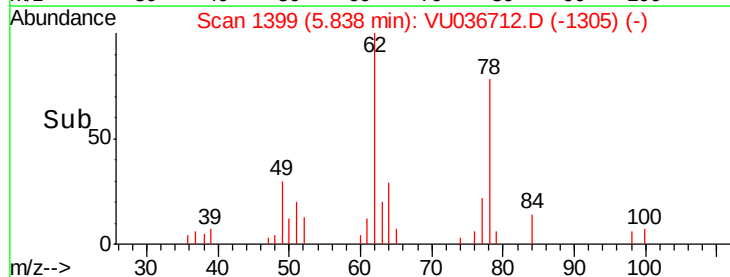
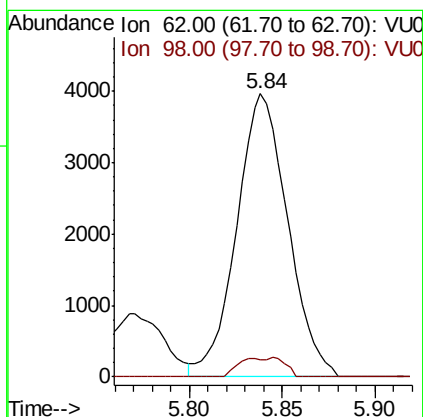
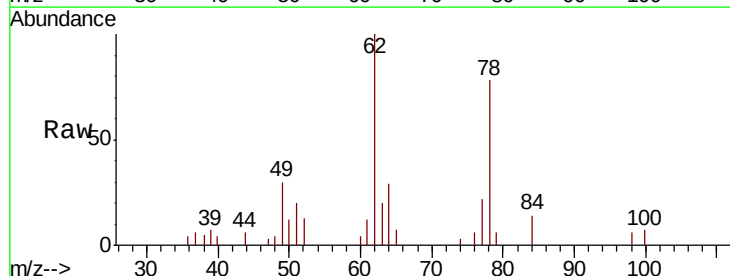
Instrument :
MSVOA_U
ClientSampleId :

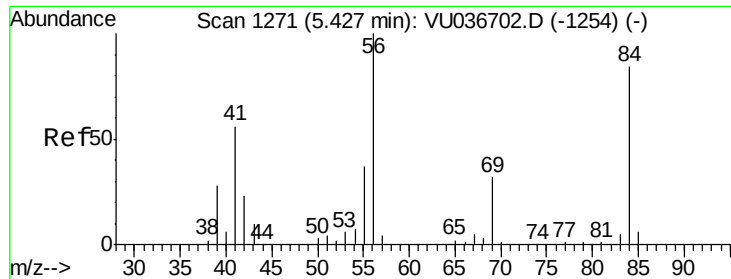
Tot Ion: 83 Resp: 14650
Ion Ratio Lower Upper
83 100
85 62.9 44.6 82.8



#27
1,2-Dichloroethane
Concen: 2.736 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036712.D
Acq: 10 Feb 2020 16:18

Tgt Ion: 62 Resp: 7582
Ion Ratio Lower Upper
62 100
98 6.2 7.0 10.4#

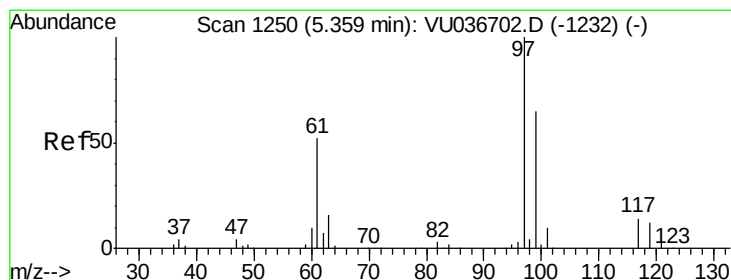
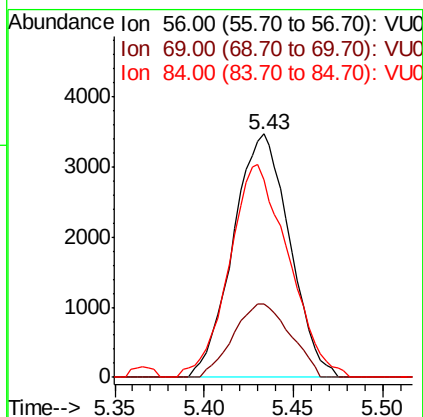
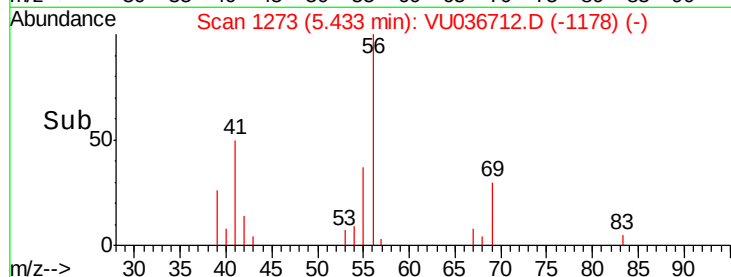
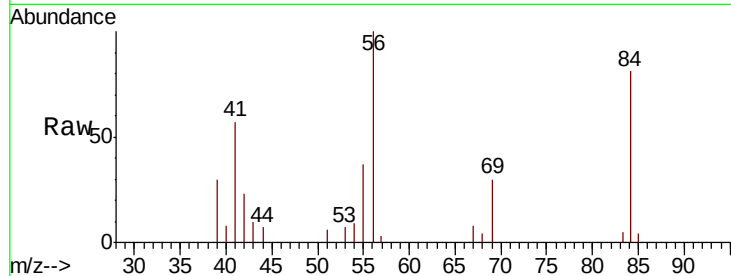




#29
Cyclohexane
Concen: 2.414 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VU036712.D
Acq: 10 Feb 2020 16:18

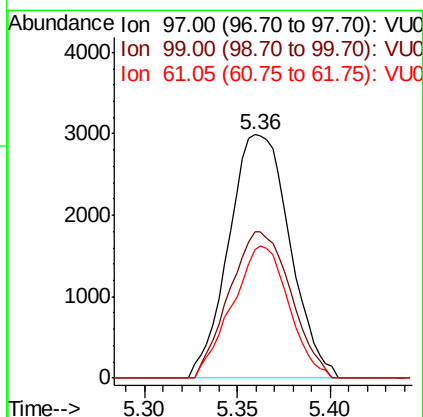
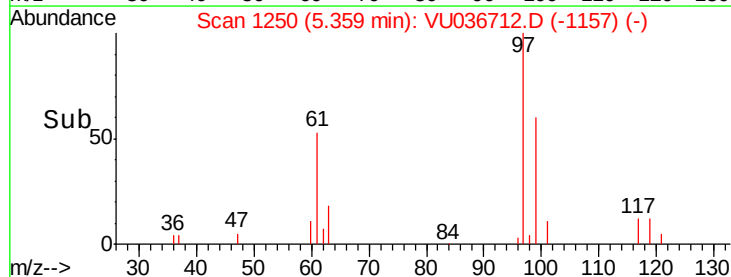
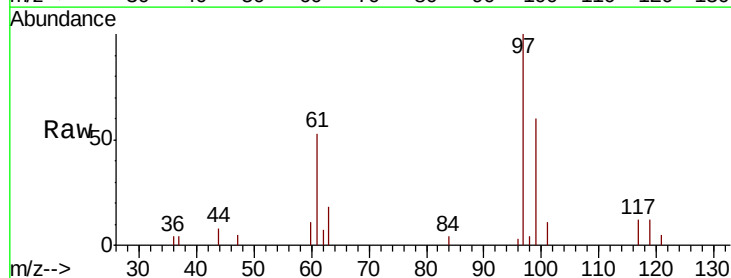
Instrument :
MSVOA_U
ClientSampled :

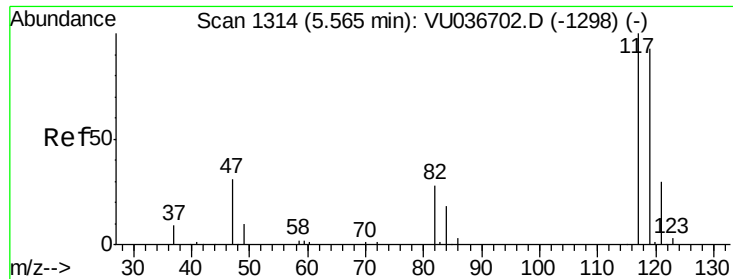
Tot Ion: 56 Resp: 7669
Ion Ratio Lower Upper
56 100
69 30.4 25.0 37.4
84 91.4 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 2.596 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036712.D
Acq: 10 Feb 2020 16:18

Tgt Ion: 97 Resp: 6820
Ion Ratio Lower Upper
97 100
99 60.5 50.9 76.3
61 50.2 40.2 60.2





#31

Carbon tetrachloride

Concen: 1.321 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Instrument :

MSVOA_U

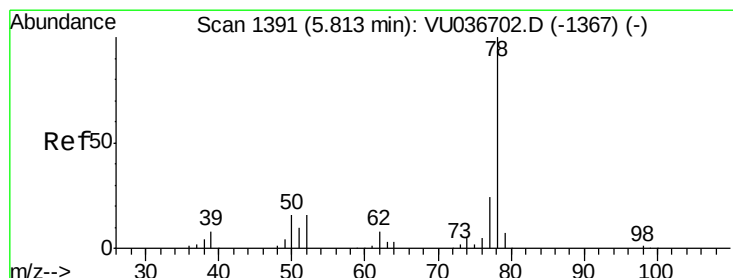
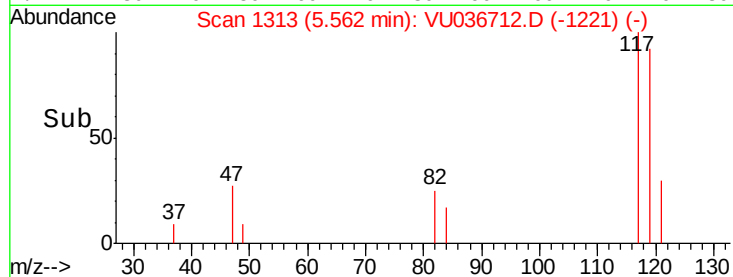
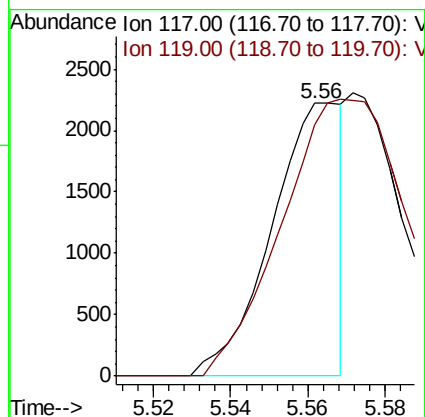
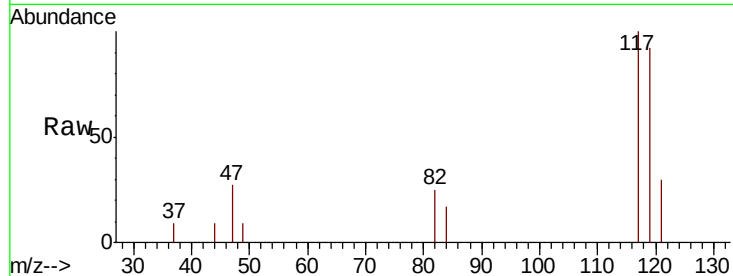
ClientSampleId :

Tot Ion:117 Resp: 2809

Ion Ratio Lower Upper

117 100

119 106.3 76.2 114.4



#33

Benzene

Concen: 2.658 ug/L

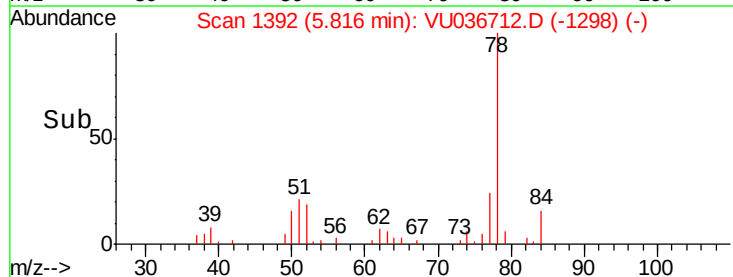
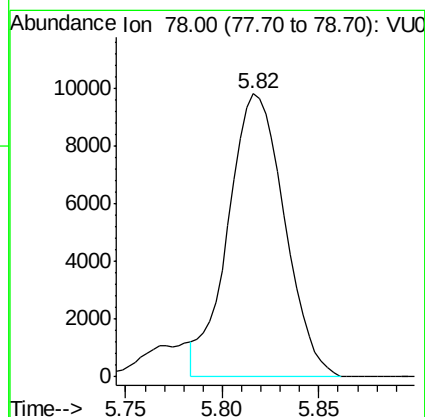
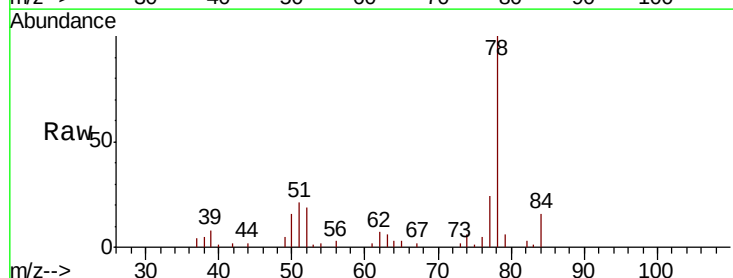
RT: 5.82 min Scan# 1392

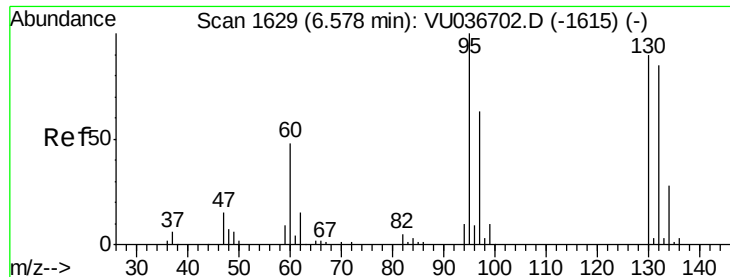
Delta R.T. 0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Tgt Ion: 78 Resp: 19878





#34

Trichloroethene

Concen: 2.575 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 4762

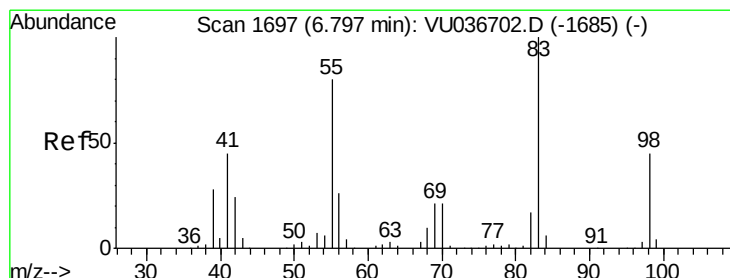
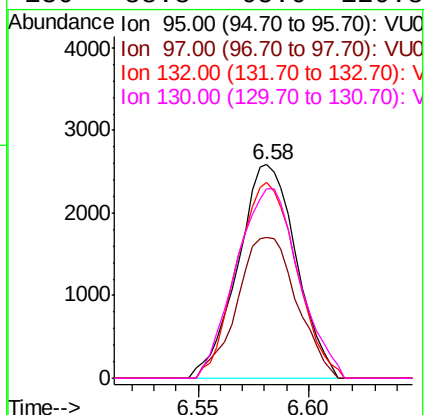
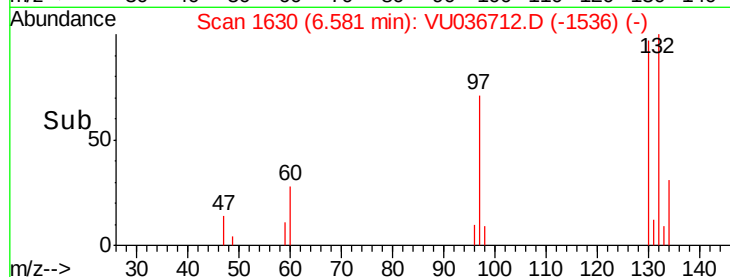
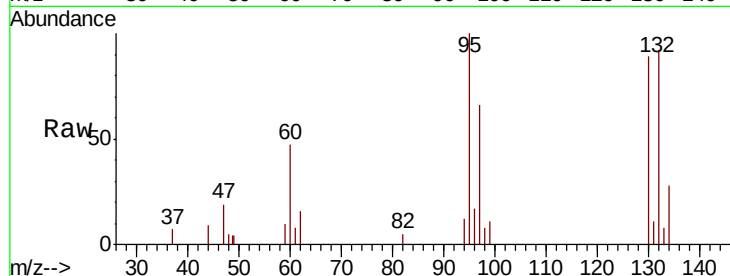
Ion Ratio Lower Upper

95 100

97 65.7 44.5 82.7

132 91.9 59.6 110.8

130 88.8 65.0 120.8



#35

Methylcyclohexane

Concen: 2.489 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

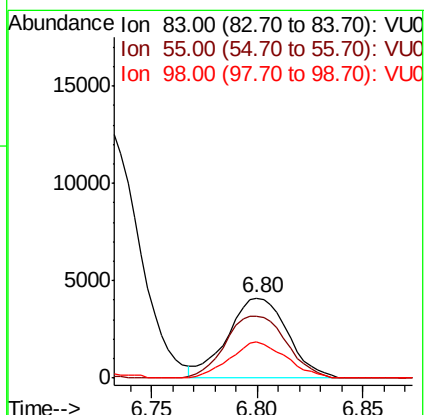
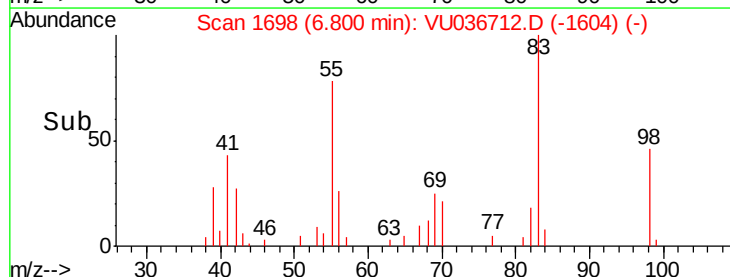
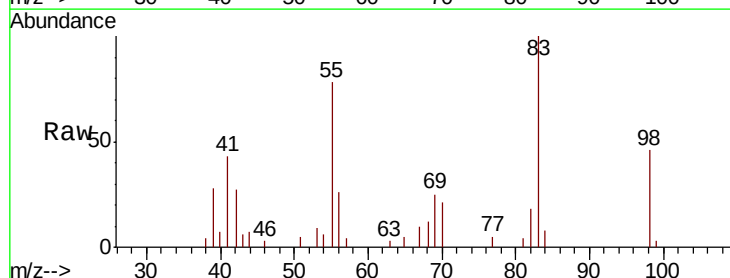
Tgt Ion: 83 Resp: 8107

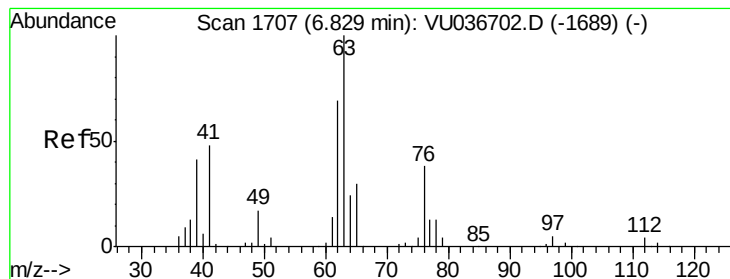
Ion Ratio Lower Upper

83 100

55 78.8 61.2 91.8

98 42.5 35.4 53.0





#37

1,2-Dichloropropane

Concen: 2.622 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Instrument :

MSVOA_U

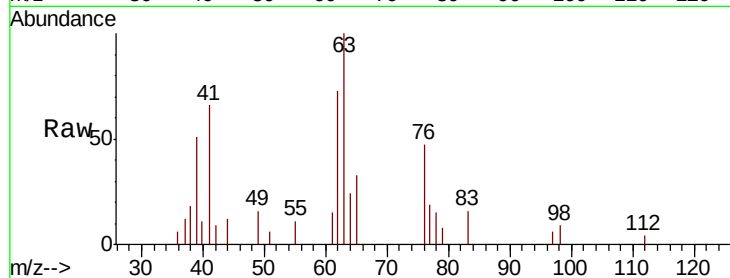
ClientSampleId :

Tot Ion: 63 Resp: 5288

Ion Ratio Lower Upper

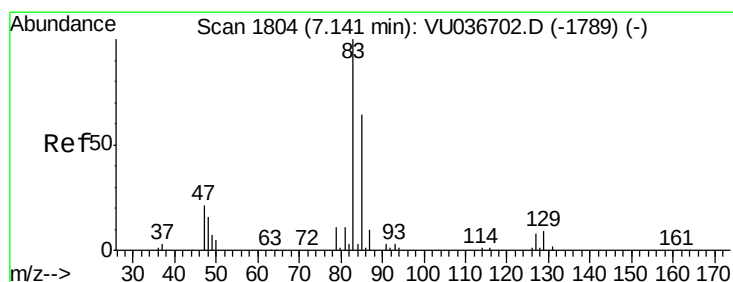
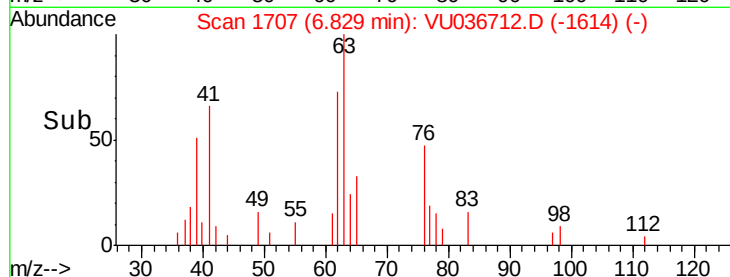
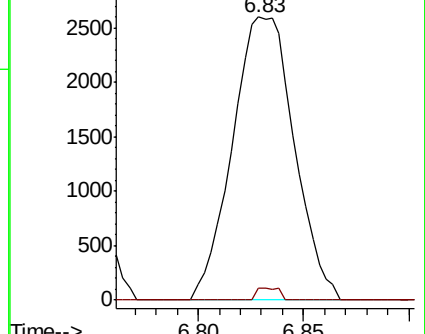
63 100

112 1.2 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU036712.D (-1689) (-)

Ion 112.00 (111.70 to 112.70): VU036712.D (-1689) (-)



#38

Bromodichloromethane

Concen: 2.394 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

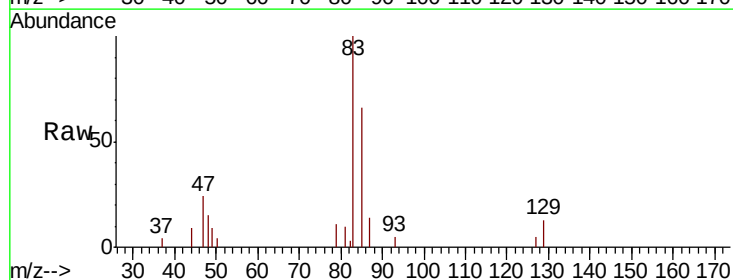
Tgt Ion: 83 Resp: 5867

Ion Ratio Lower Upper

83 100

85 65.6 43.9 81.5

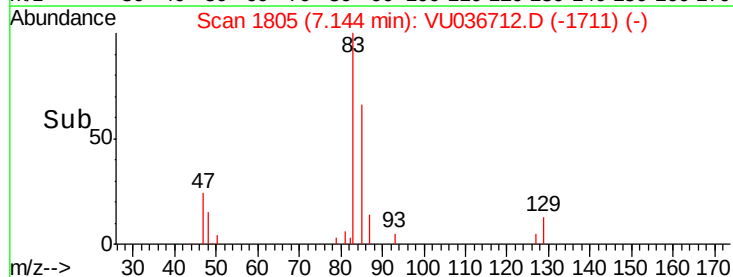
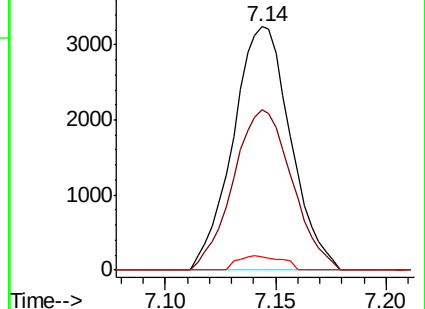
127 5.4 6.0 9.0#

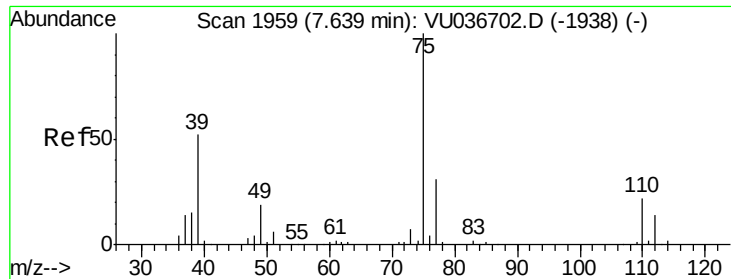


Abundance Ion 83.00 (82.70 to 83.70): VU036712.D (-1789) (-)

Ion 85.00 (84.70 to 85.70): VU036712.D (-1789) (-)

Ion 127.00 (126.70 to 127.70): VU036712.D (-1789) (-)

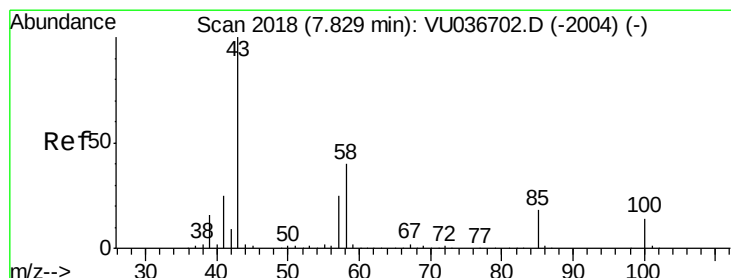
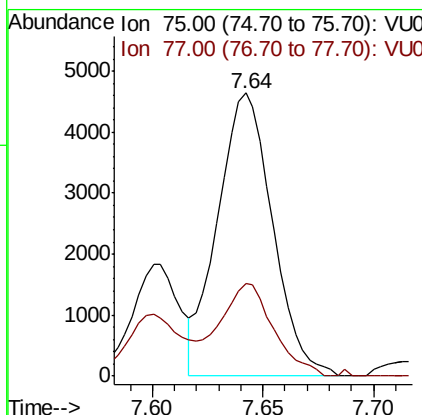
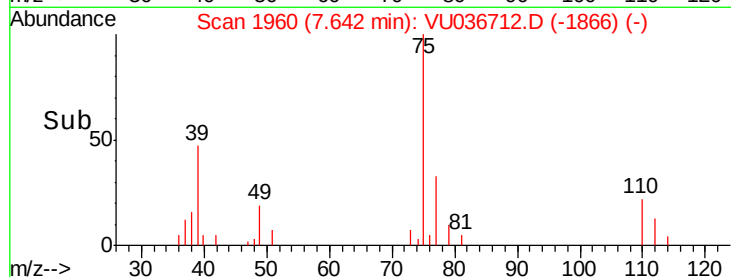
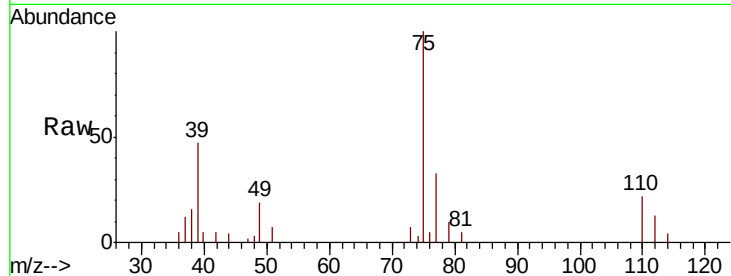




#39
 cis-1,3-Dichloropropene
 Concen: 2.489 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

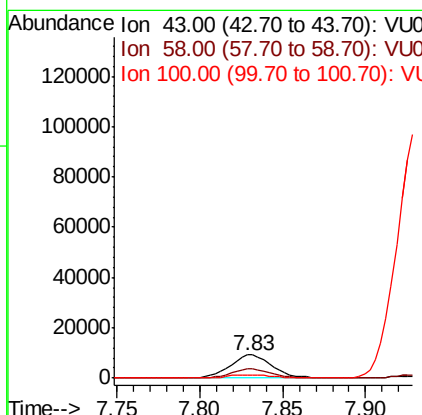
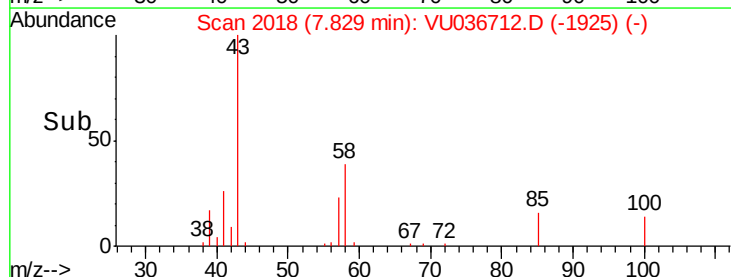
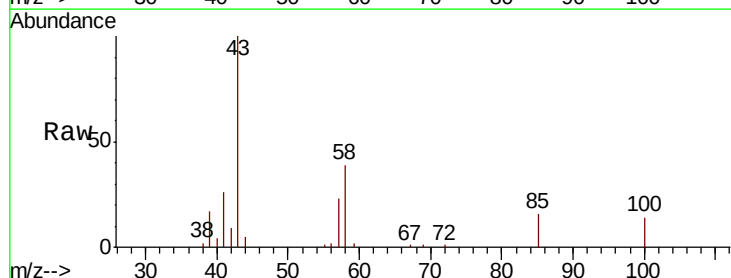
Instrument :
 MSVOA_U
 ClientSampled :

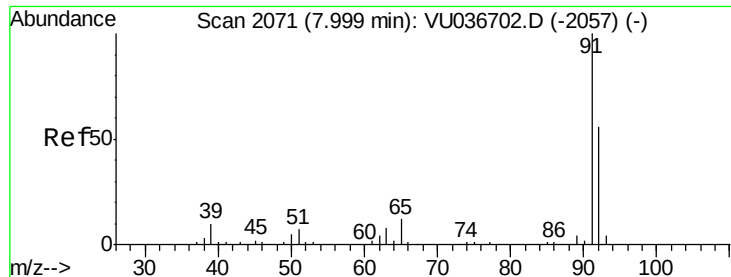
Tot Ion: 75 Resp: 8021
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 5.095 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

Tgt Ion: 43 Resp: 16236
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.0 46.6
 100 14.8 11.4 17.2





#42

Toluene

Concen: 2.775 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Instrument :

MSVOA_U

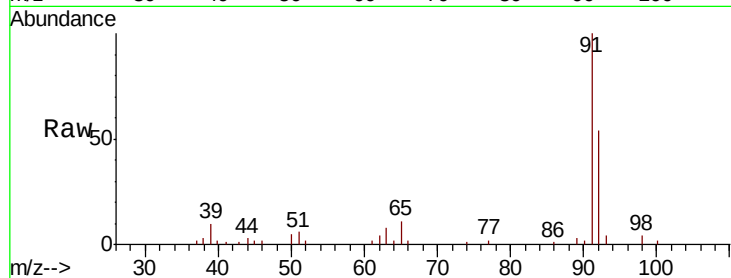
ClientSampled :

Tot Ion: 91 Resp: 22425

Ion Ratio Lower Upper

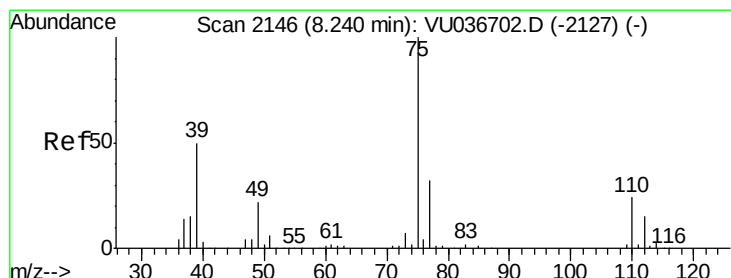
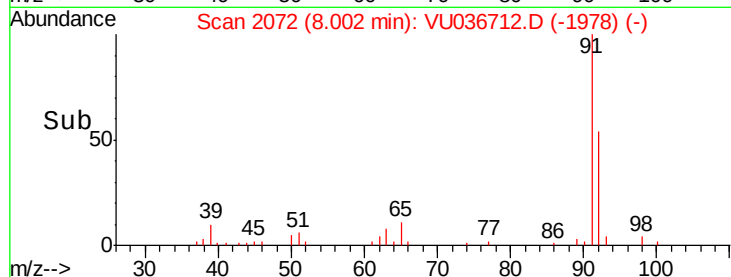
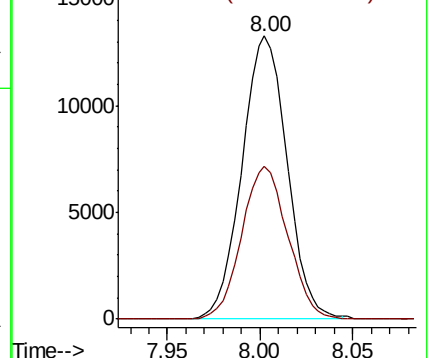
91 100

92 53.9 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 2.652 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036712.D

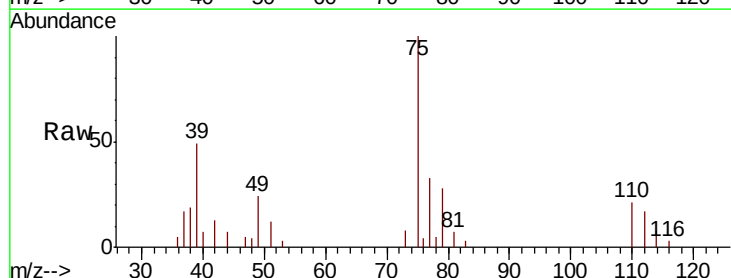
Acq: 10 Feb 2020 16:18

Tgt Ion: 75 Resp: 7466

Ion Ratio Lower Upper

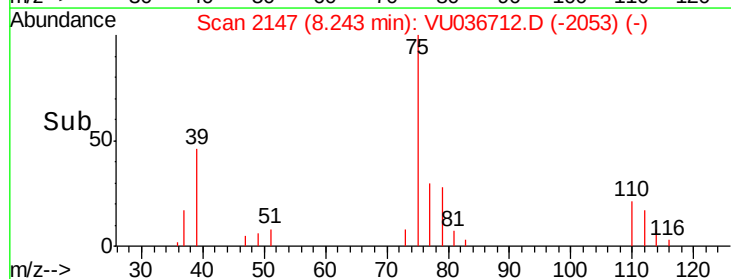
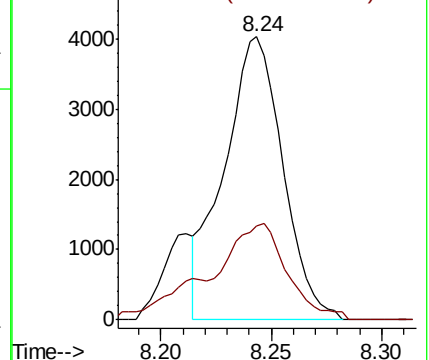
75 100

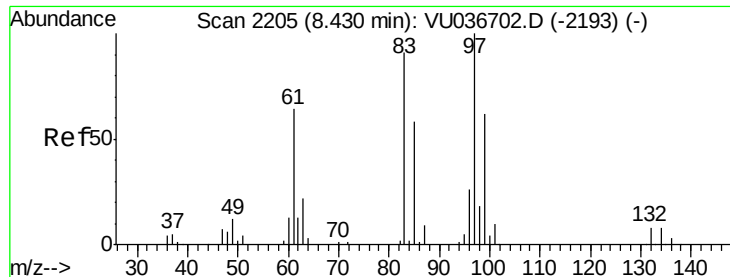
77 33.1 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 2.594 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 4773

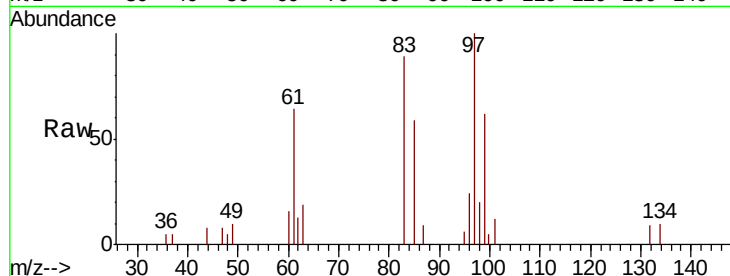
Ion Ratio Lower Upper

97 100

99 61.9 42.6 79.0

83 89.2 61.1 113.5

85 59.0 40.4 75.0

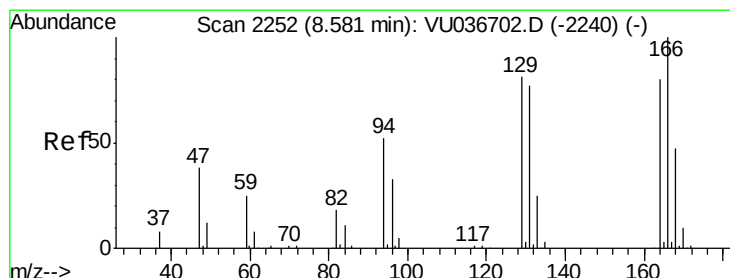
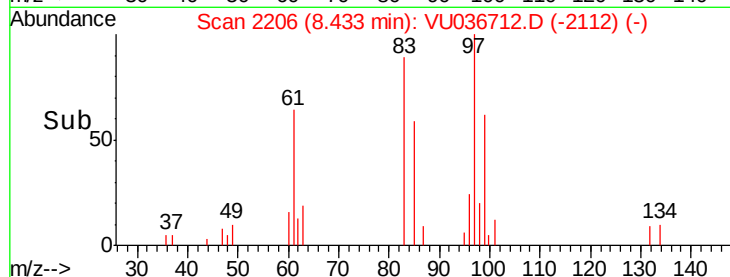
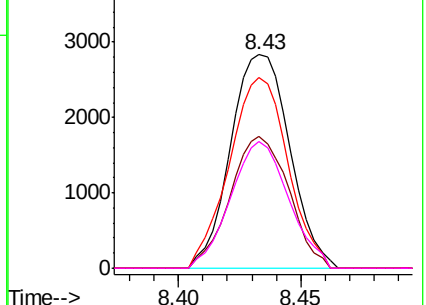


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 2.654 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Tgt Ion: 164 Resp: 3444

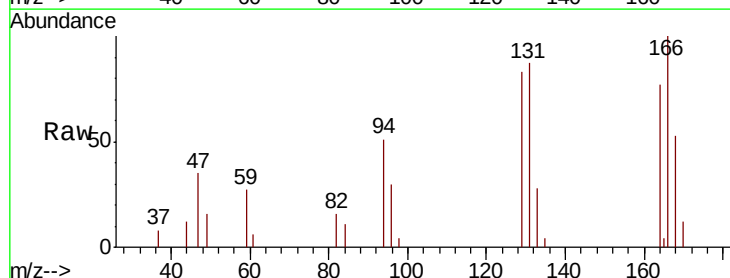
Ion Ratio Lower Upper

164 100

129 106.7 71.0 131.9

131 112.4 66.6 123.6

166 129.2 86.4 160.4

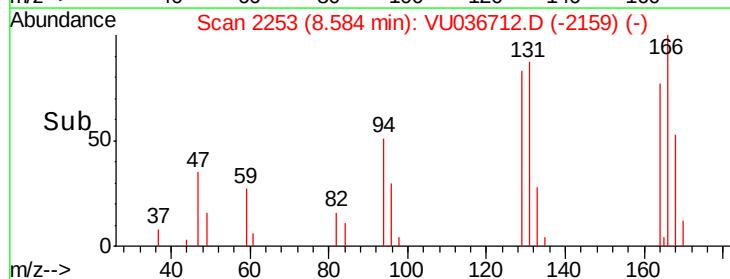
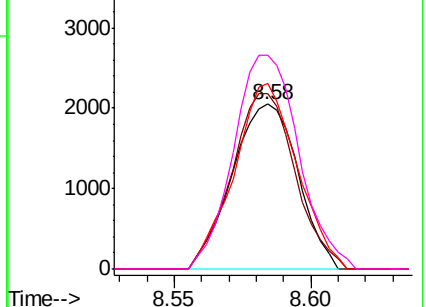


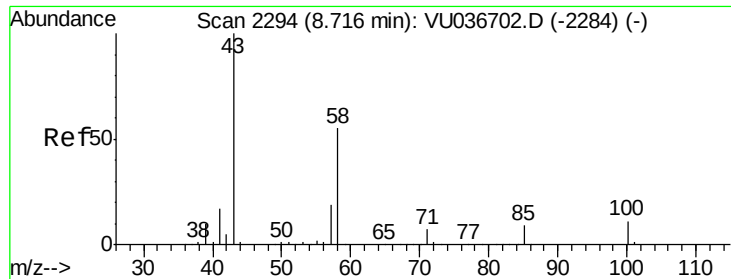
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

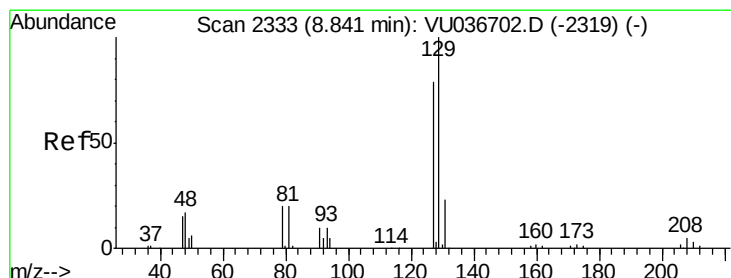
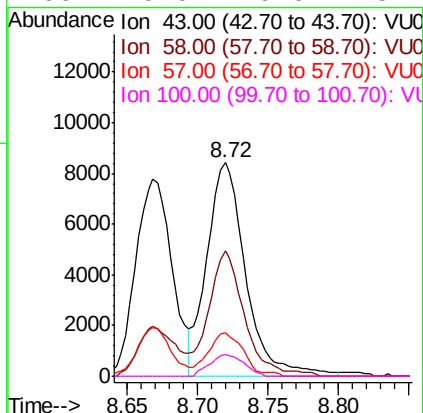
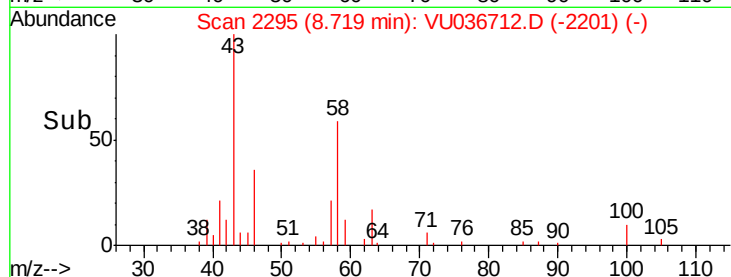
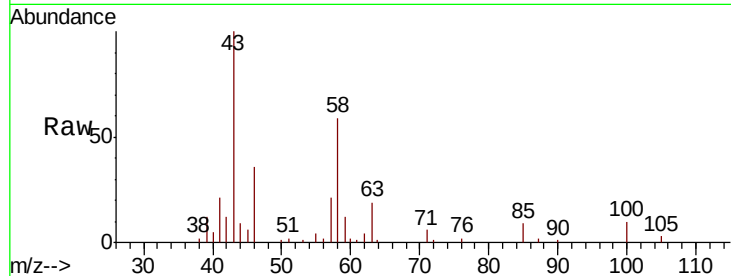




#48
2-Hexanone
Concen: 6.202 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VU036712.D
Acq: 10 Feb 2020 16:18

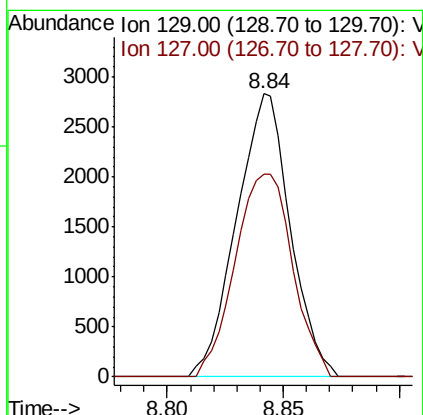
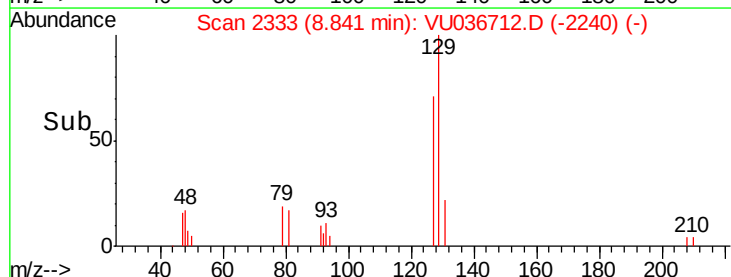
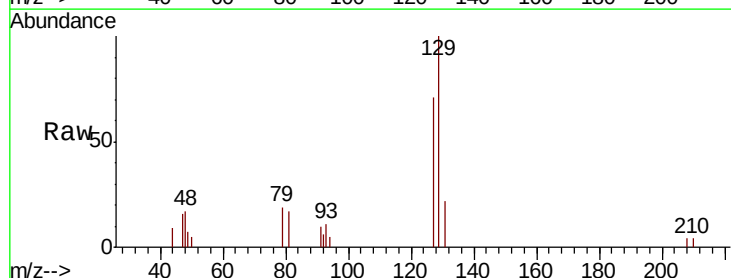
Instrument :
MSVOA_U
ClientSampleId :

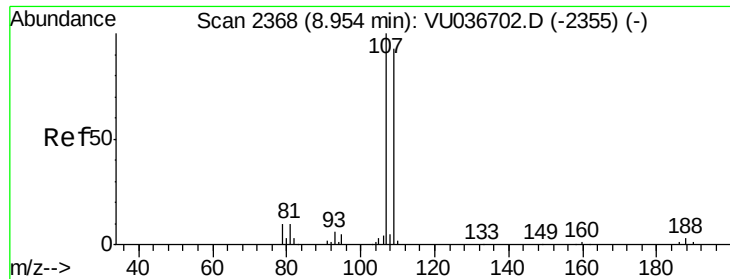
Tot Ion: 43 Resp: 16122
Ion Ratio Lower Upper
43 100
58 49.0 43.6 65.4
57 15.8 15.5 23.3
100 9.0 9.0 13.4



#49
Dibromochloromethane
Concen: 2.526 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036712.D
Acq: 10 Feb 2020 16:18

Tgt Ion: 129 Resp: 4545
Ion Ratio Lower Upper
129 100
127 71.5 53.6 99.6

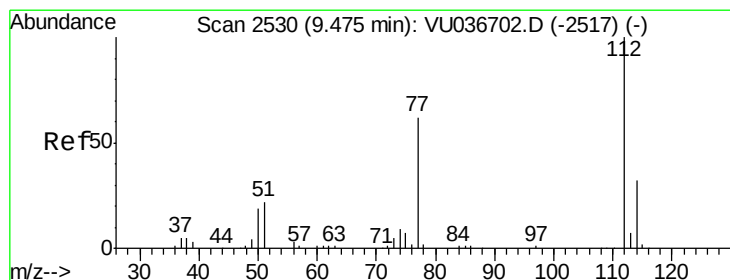
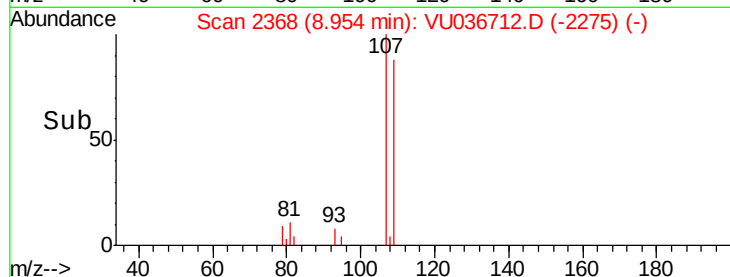
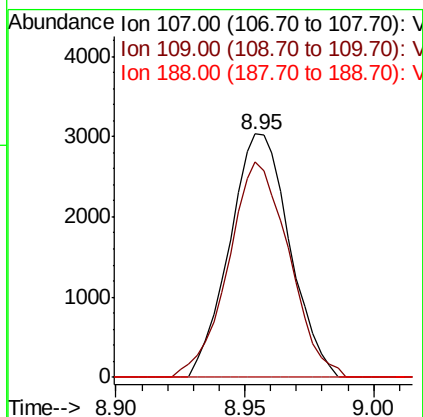
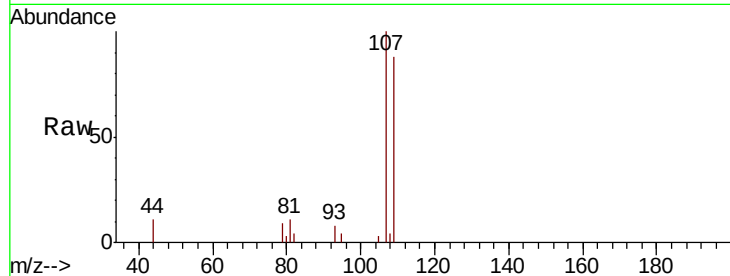




#50
 1,2-Dibromoethane
 Concen: 2.548 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

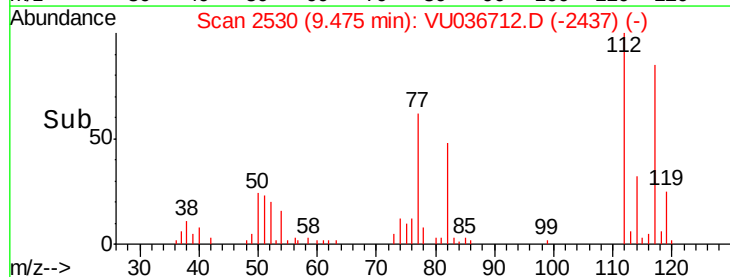
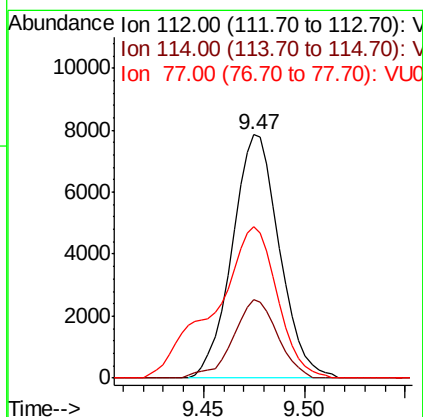
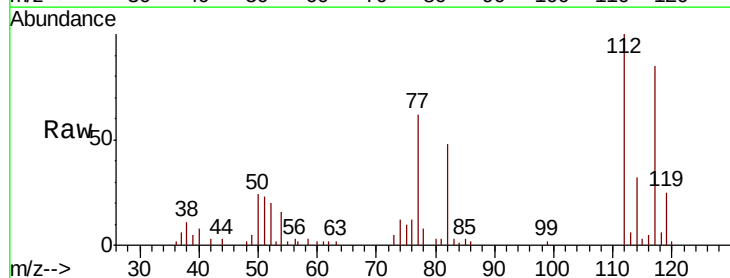
Instrument :
 MSVOA_U
 ClientSampleId :

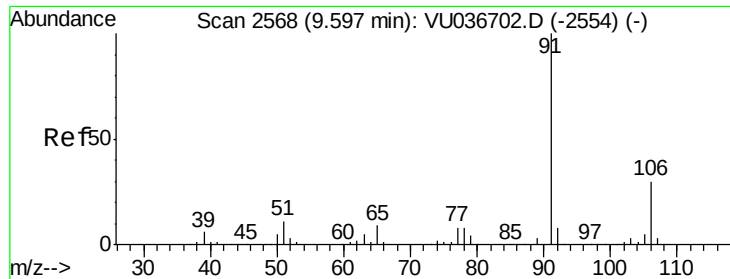
Tot Ion:107 Resp: 4925
 Ion Ratio Lower Upper
 107 100
 109 88.5 65.8 122.2
 188 0.0 2.5 3.7#



#51
 Chlorobenzene
 Concen: 2.641 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

Tgt Ion:112 Resp: 12851
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.7 42.1
 77 62.0 50.6 75.8





#52

Ethylbenzene

Concen: 2.495 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

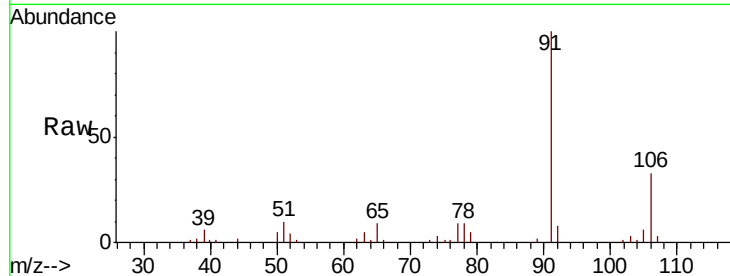
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 22161

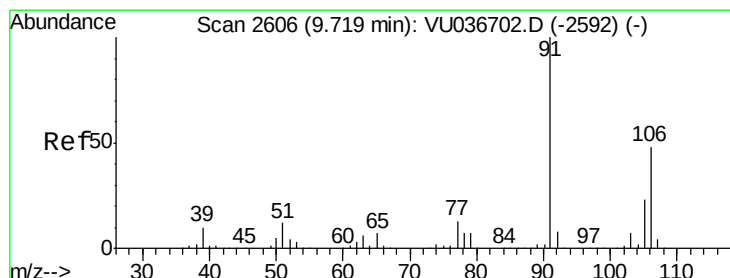
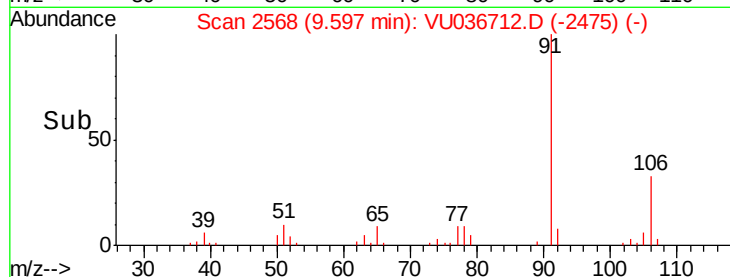
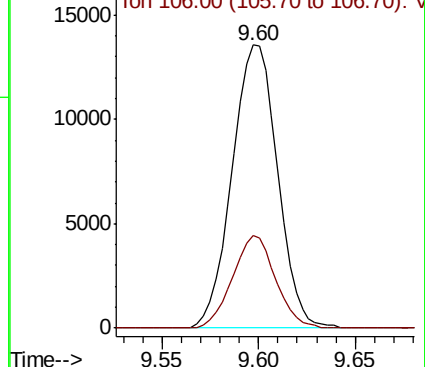
Ion Ratio Lower Upper

91 100

106 32.6 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU036712.D (-2554) (-)



#53

m,p-Xylene

Concen: 2.549 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036712.D

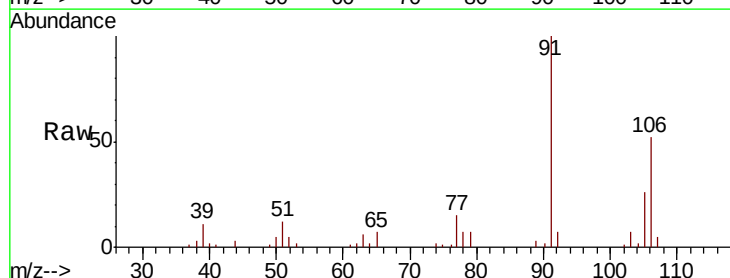
Acq: 10 Feb 2020 16:18

Tgt Ion: 106 Resp: 8352

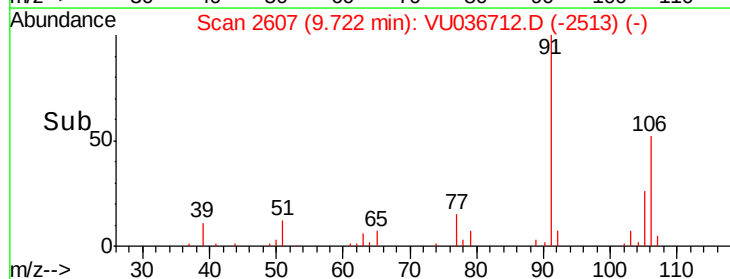
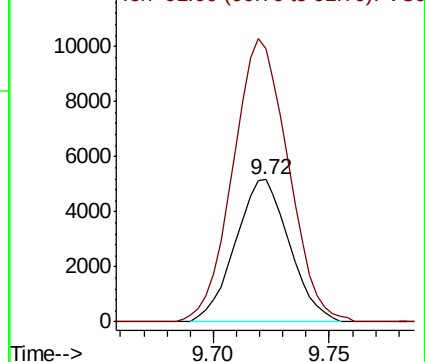
Ion Ratio Lower Upper

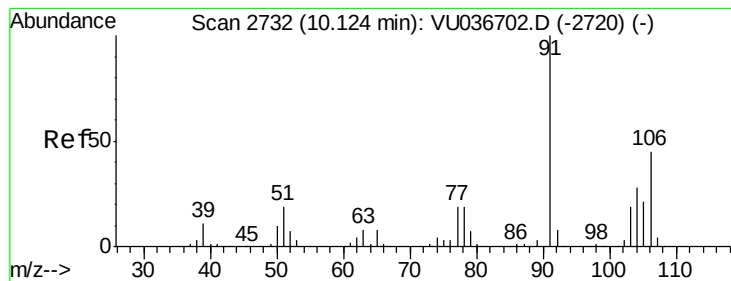
106 100

91 192.2 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036712.D (-2592) (-)





#54

o-xylene

Concen: 2.476 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Instrument :

MSVOA_U

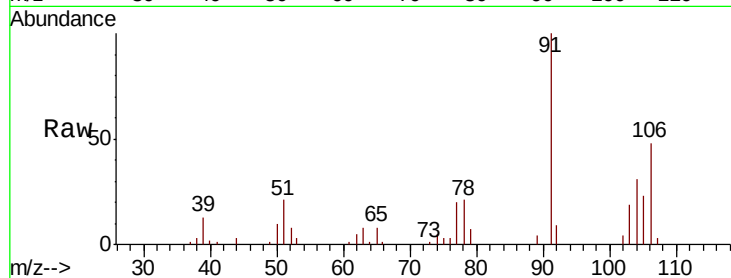
ClientSampleId :

Tot Ion:106 Resp: 8037

Ion Ratio Lower Upper

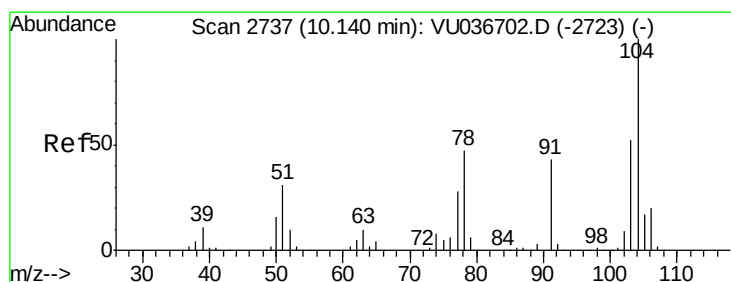
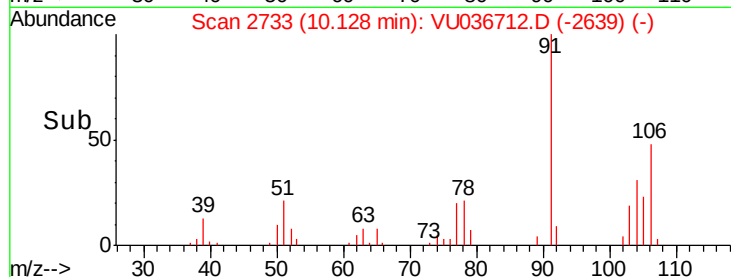
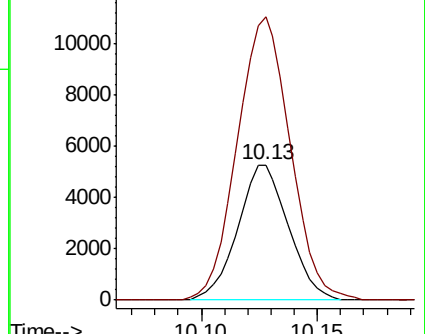
106 100

91 209.5 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 2.211 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036712.D

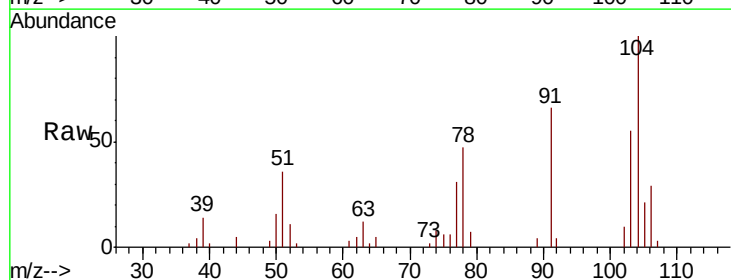
Acq: 10 Feb 2020 16:18

Tgt Ion:104 Resp: 11958

Ion Ratio Lower Upper

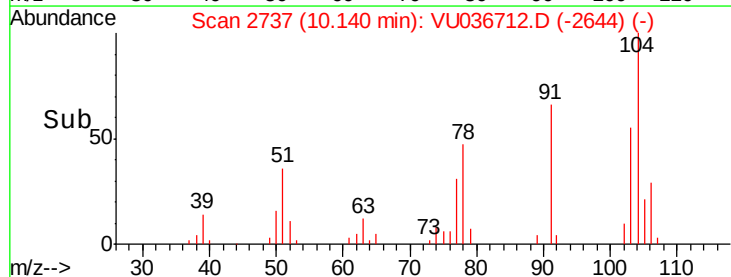
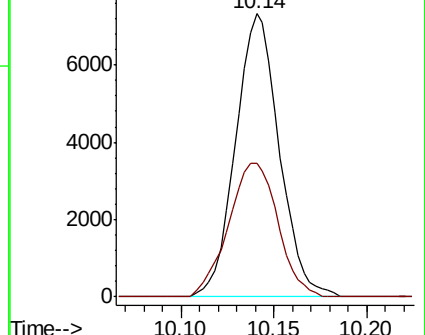
104 100

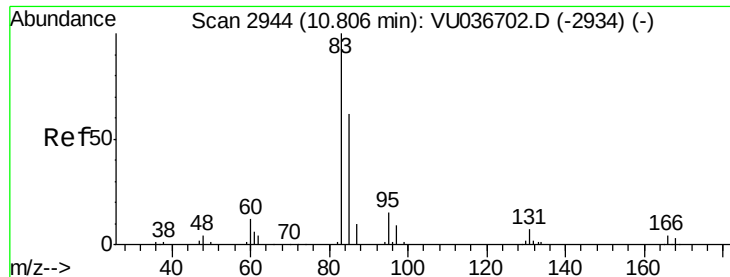
78 47.2 33.7 62.7



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: 2.766 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

Instrument :

MSVOA_U

ClientSampleId :

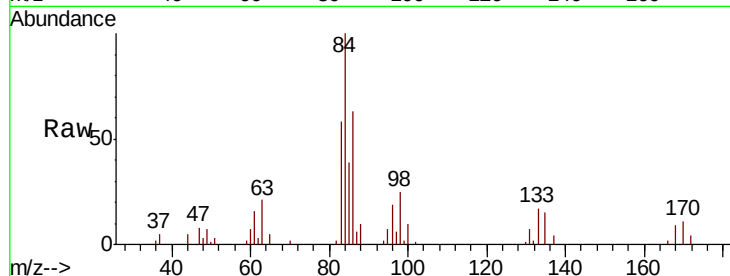
Tot Ion: 83 Resp: 9171

Ion Ratio Lower Upper

83 100

85 67.0 44.7 82.9

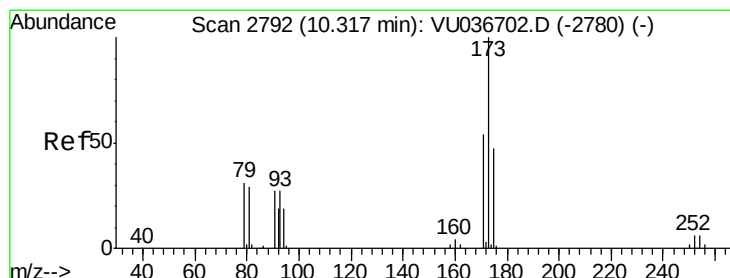
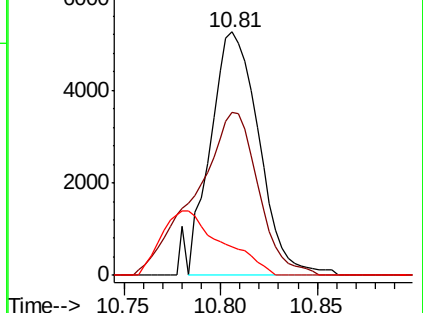
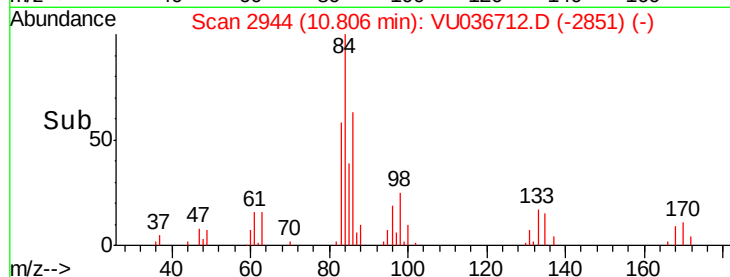
131 11.6 6.8 10.2#



Abundance Ion 83.00 (82.70 to 83.70): VU036712.D (-2934) (-)

Ion 85.00 (84.70 to 85.70): VU036712.D (-2934) (-)

Ion 131.00 (130.70 to 131.70): VU036712.D (-2934) (-)



#59

Bromoform

Concen: 2.337 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036712.D

Acq: 10 Feb 2020 16:18

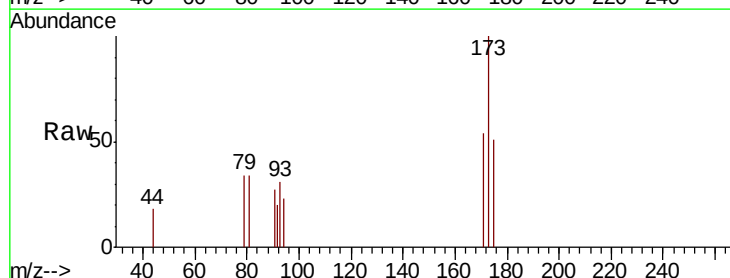
Tgt Ion: 173 Resp: 2679

Ion Ratio Lower Upper

173 100

175 51.9 38.2 57.4

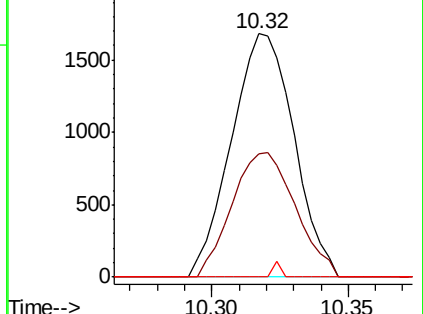
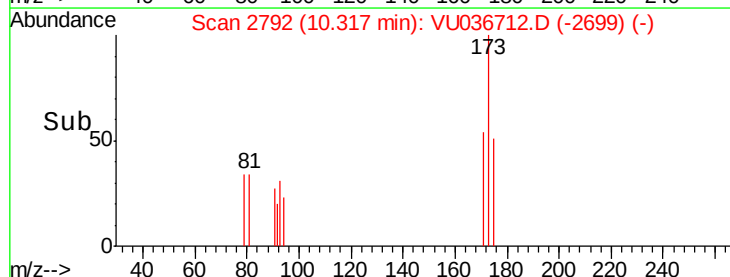
254 0.0 4.8 7.2#

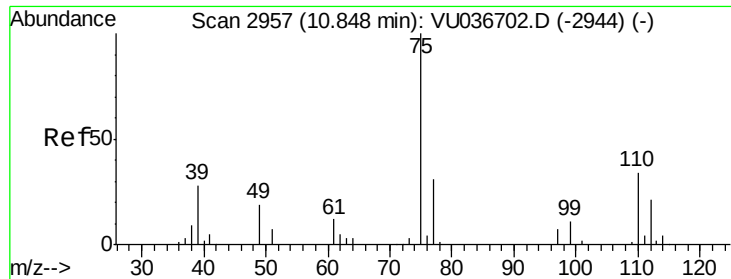


Abundance Ion 173.00 (172.70 to 173.70): VU036712.D (-2780) (-)

Ion 175.00 (174.70 to 175.70): VU036712.D (-2780) (-)

Ion 254.00 (253.70 to 254.70): VU036712.D (-2780) (-)

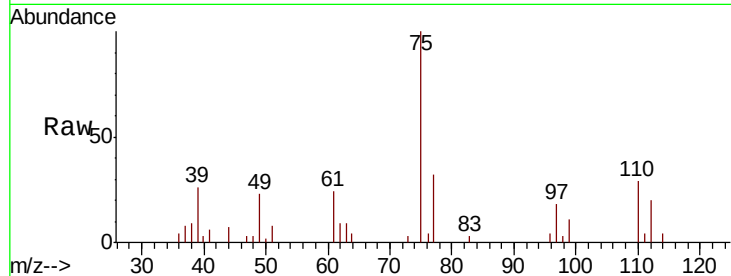




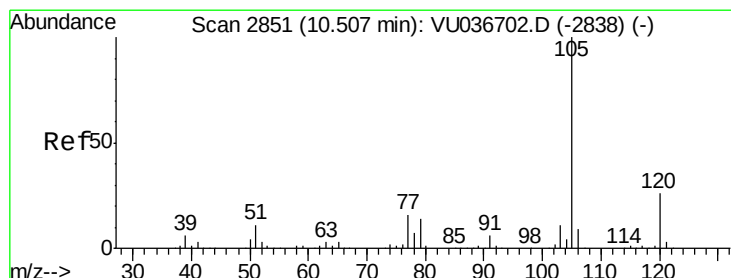
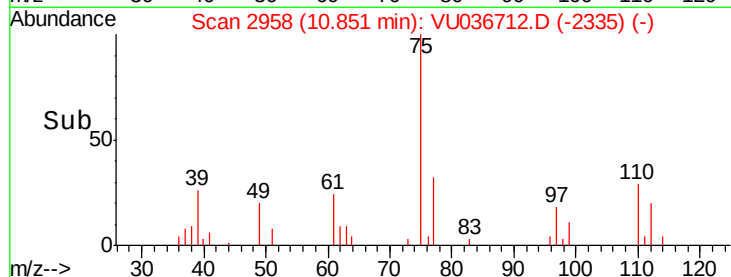
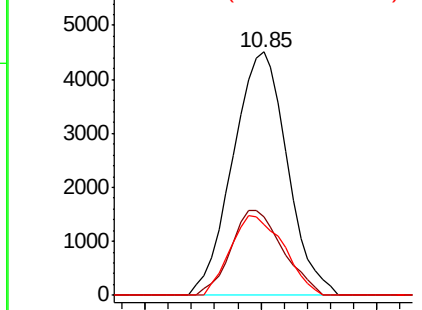
#60
 1,2,3-Trichloropropane
 Concen: 3.007 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. 0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 7339
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.1 39.1
 110 32.1 26.9 40.3

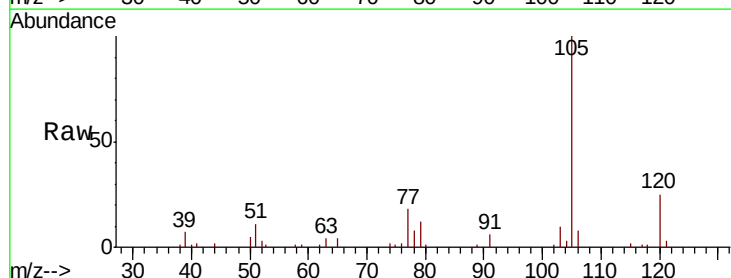


Abundance Ion 75.00 (74.70 to 75.70): VU036712.D (-2944) (-)
 Ion 77.00 (76.70 to 77.70): VU036712.D (-2944) (-)
 Ion 110.00 (109.70 to 110.70): VU036712.D (-2944) (-)

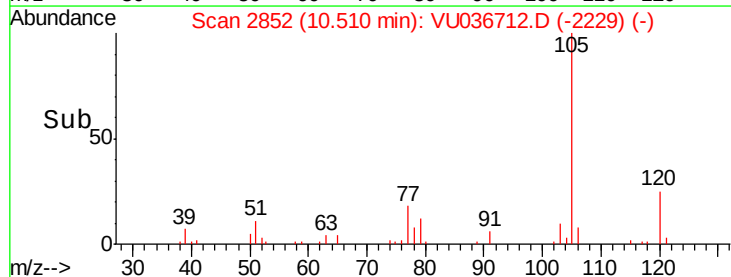
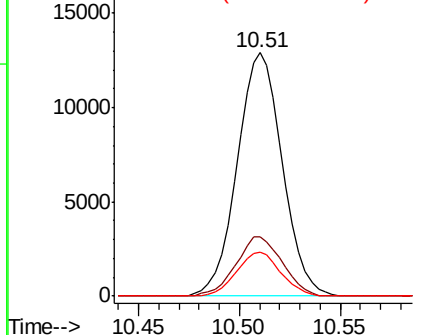


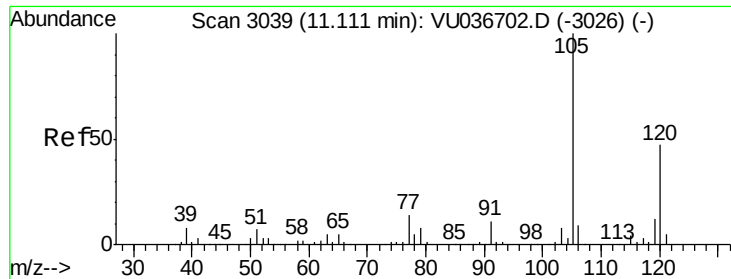
#61
 Isopropylbenzene
 Concen: 2.616 ug/L
 RT: 10.51 min Scan# 2852
 Delta R.T. 0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

Tgt Ion: 105 Resp: 20211
 Ion Ratio Lower Upper
 105 100
 120 25.1 20.2 30.4
 77 17.7 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): VU036712.D (-2838) (-)
 Ion 120.00 (119.70 to 120.70): VU036712.D (-2838) (-)
 Ion 77.00 (76.70 to 77.70): VU036712.D (-2838) (-)

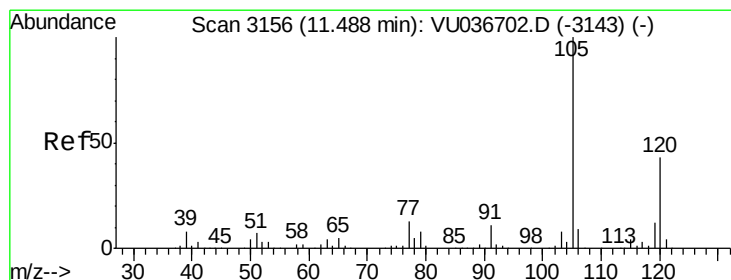
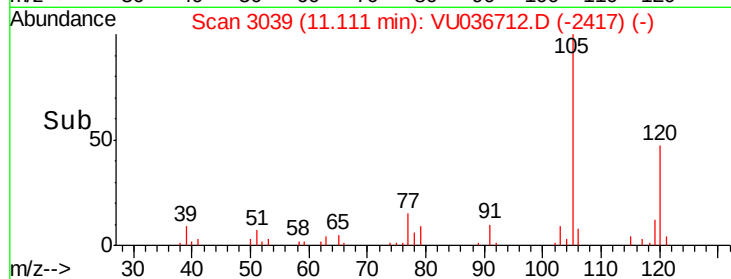
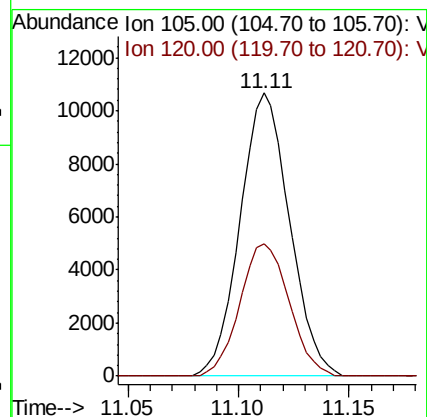
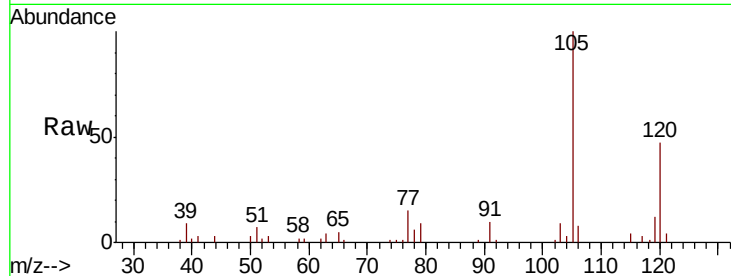




#62
 1,3,5-Trimethylbenzene
 Concen: 2.503 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. -0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

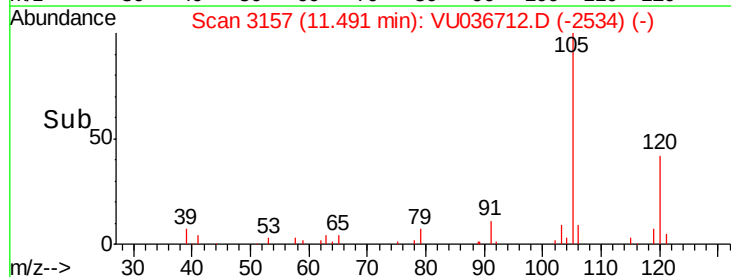
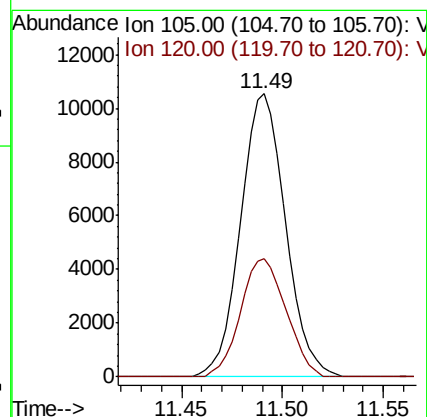
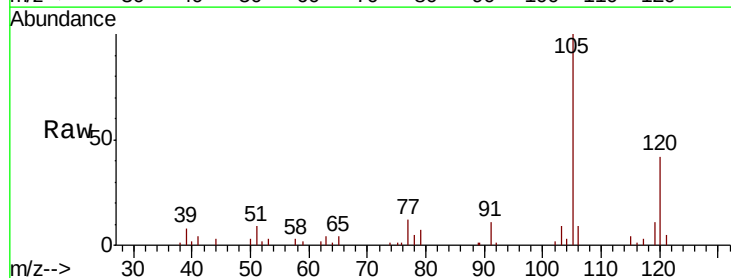
Instrument :
 MSVOA_U
 ClientSampleId :

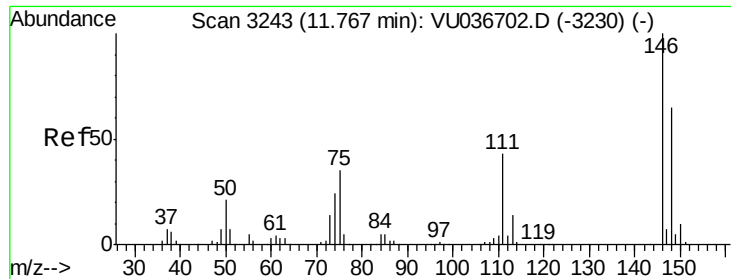
Tot Ion:105 Resp: 16581
 Ion Ratio Lower Upper
 105 100
 120 46.6 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 2.490 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

Tgt Ion:105 Resp: 16468
 Ion Ratio Lower Upper
 105 100
 120 42.1 34.7 52.1

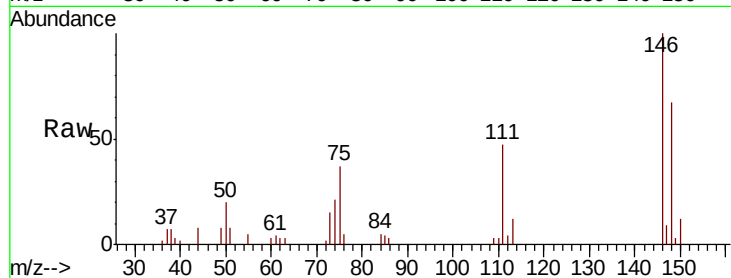




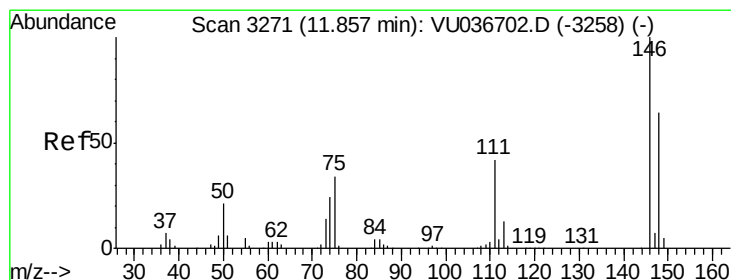
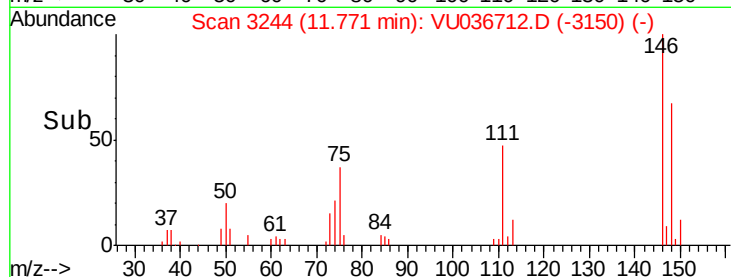
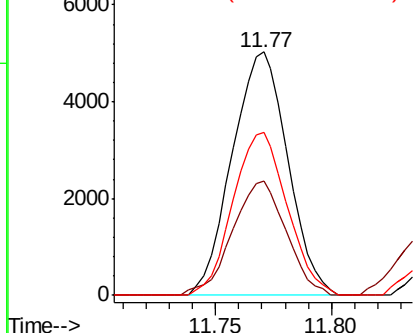
#64
 1,3-Dichlorobenzene
 Concen: 2.582 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 8389
 Ion Ratio Lower Upper
 146 100
 111 46.9 30.4 56.4
 148 67.0 44.5 82.7

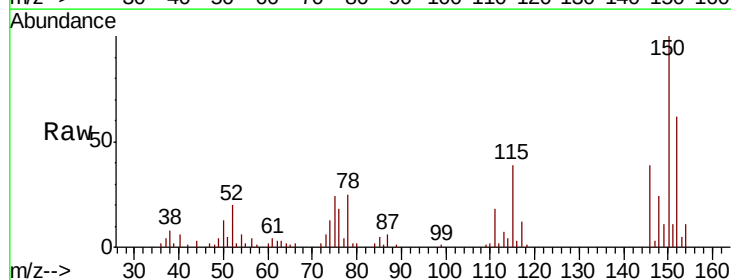


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

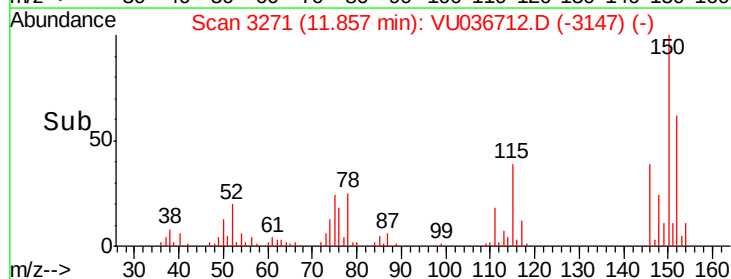
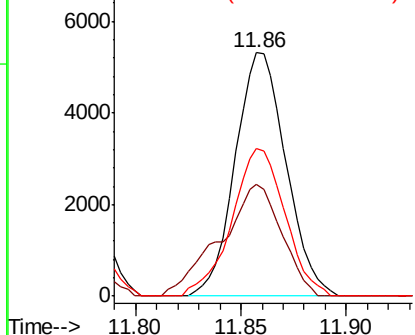


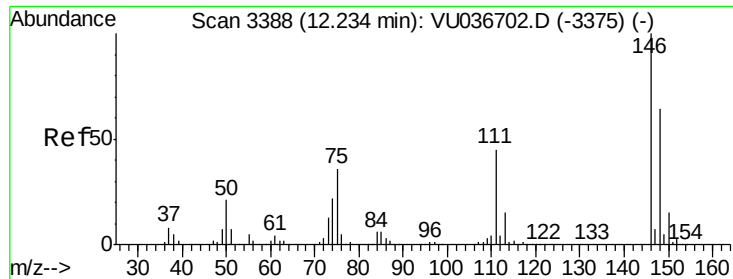
#65
 1,4-Dichlorobenzene
 Concen: 2.722 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

Tgt Ion:146 Resp: 8903
 Ion Ratio Lower Upper
 146 100
 111 46.0 29.3 54.3
 148 60.4 44.8 83.2



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

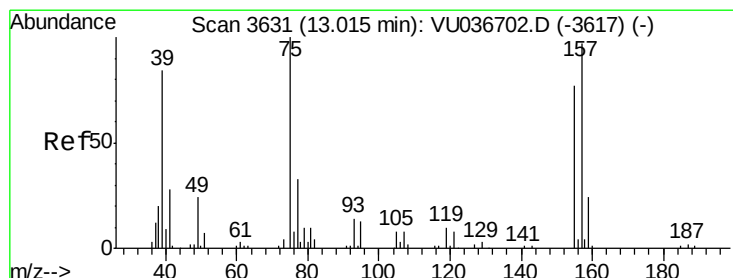
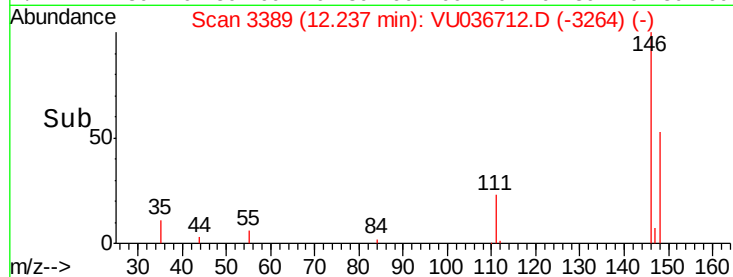
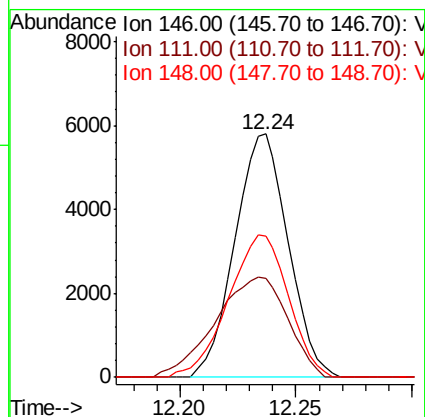
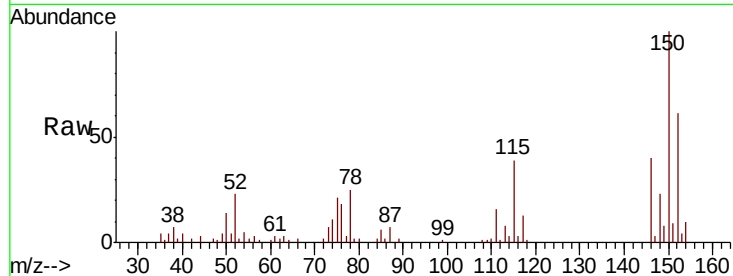




#67
 1,2-Dichlorobenzene
 Concen: 2.819 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

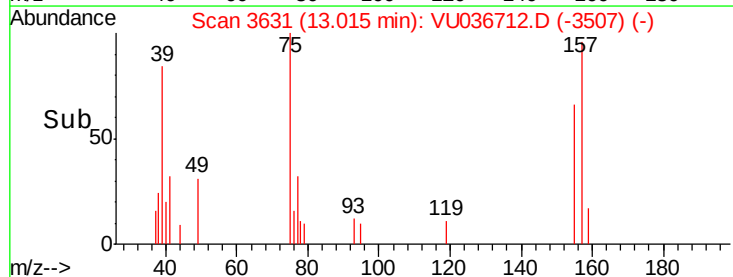
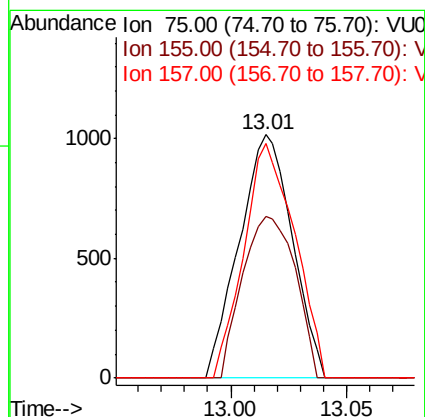
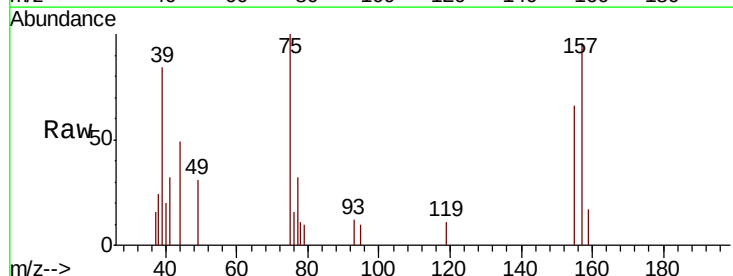
Instrument :
 MSVOA_U
 ClientSampleId :

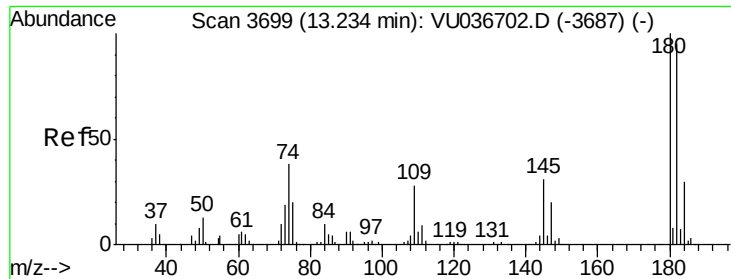
Tot Ion:146 Resp: 9273
 Ion Ratio Lower Upper
 146 100
 111 40.6 35.4 53.0
 148 58.2 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.320 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

Tgt Ion: 75 Resp: 1618
 Ion Ratio Lower Upper
 75 100
 155 66.2 58.7 88.1
 157 96.2 77.8 116.6

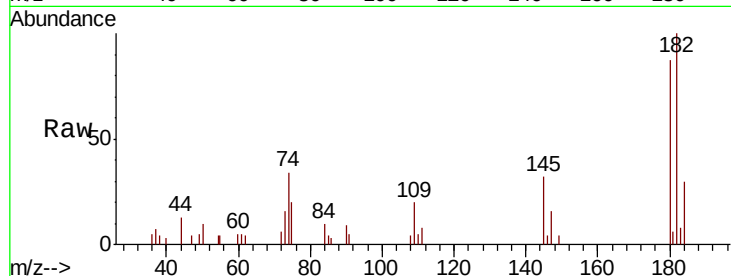




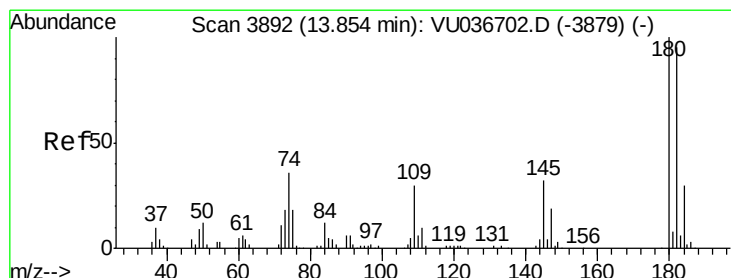
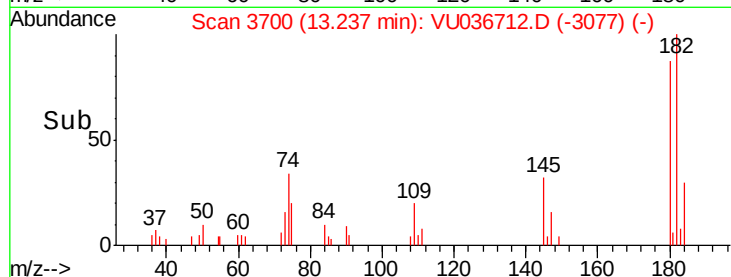
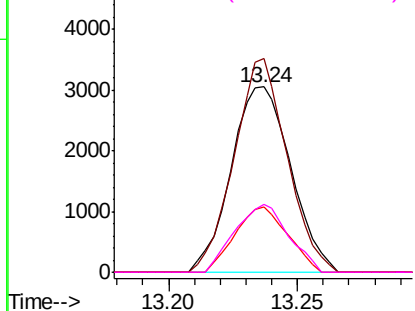
#69
 1,3,5-Trichlorobenzene
 Concen: 2.190 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 4934
 Ion Ratio Lower Upper
 180 100
 182 102.1 76.2 114.4
 184 31.0 23.8 35.6
 145 33.0 25.0 37.6

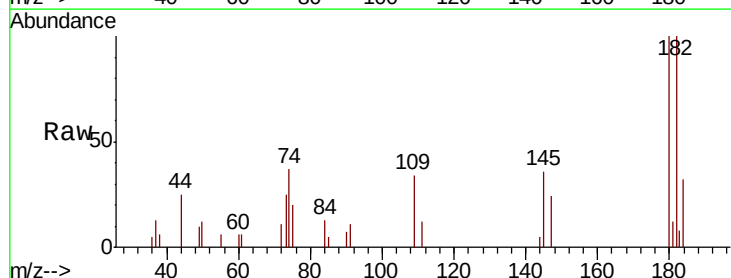


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

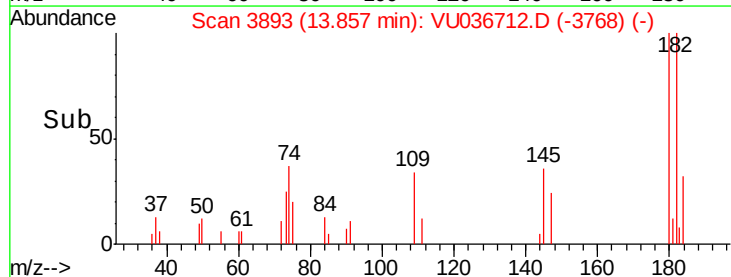
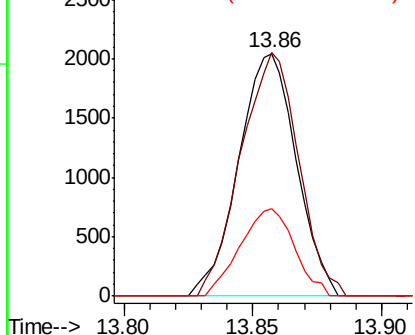


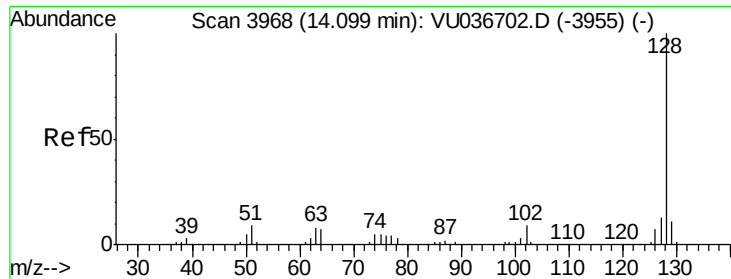
#70
 1,2,4-trichlorobenzene
 Concen: 1.701 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036712.D
 Acq: 10 Feb 2020 16:18

Tgt Ion:180 Resp: 3196
 Ion Ratio Lower Upper
 180 100
 182 100.3 76.1 114.1
 145 33.7 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

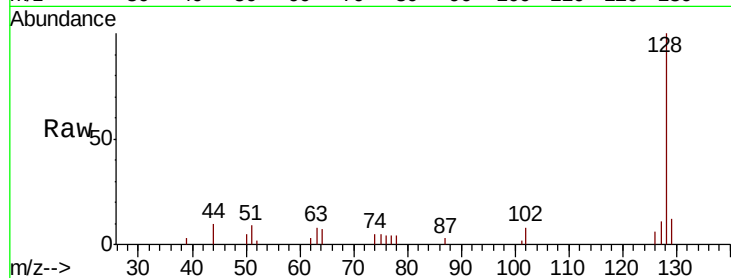




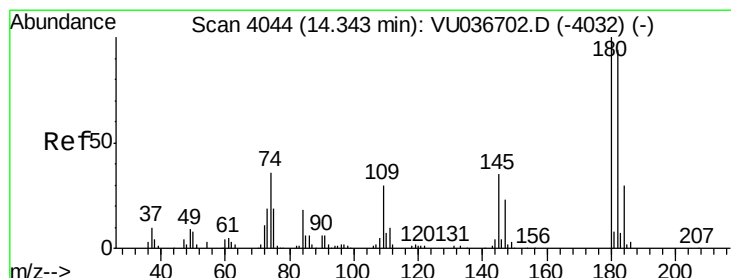
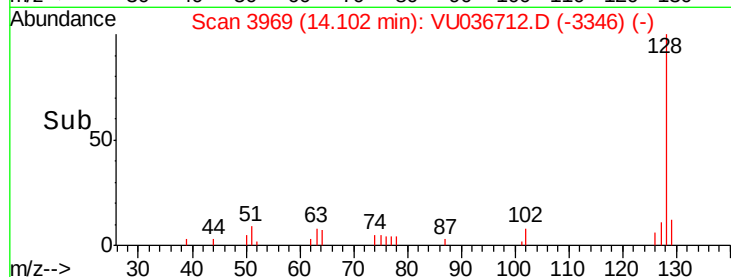
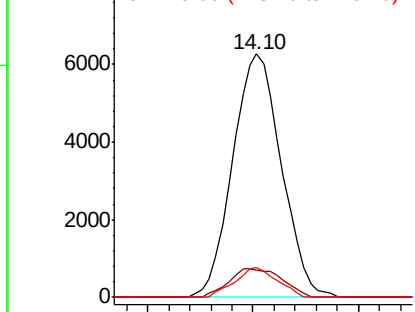
#71
Naphthalene
Concen: 1.514 ug/L
RT: 14.10 min Scan# 3969
Delta R.T. 0.00 min
Lab File: VU036712.D
Acq: 10 Feb 2020 16:18

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 10027
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.8 8.5 12.7

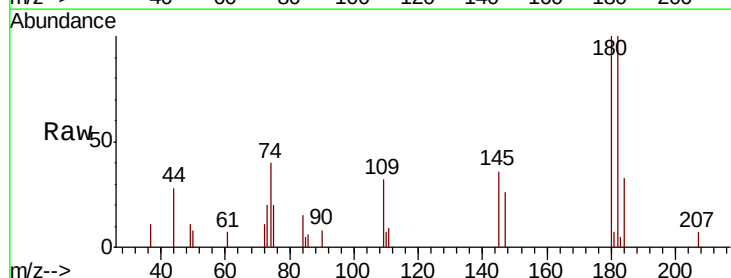


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 1.766 ug/L
RT: 14.35 min Scan# 4045
Delta R.T. 0.00 min
Lab File: VU036712.D
Acq: 10 Feb 2020 16:18

Tgt Ion:180 Resp: 3305
Ion Ratio Lower Upper
180 100
182 97.2 76.8 115.2
145 32.8 27.5 41.3



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

