

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021020\
 Data File : VU036709.D
 Acq On : 10 Feb 2020 13:36
 Operator : JC/MD
 Sample : MDL04
 Misc : 5.0µ/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 11 03:34:39 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	260489	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	242757	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	104133	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	72664	41.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.66%
7) Chloroethane-d5	1.93	69	72526	45.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.04%
11) 1,1-Dichloroethene-d2	2.59	63	109072	33.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.52%
21) 2-Butanone-d5	4.68	46	155269	104.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.76%
24) Chloroform-d	5.11	84	144917	46.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.18%
26) 1,2-Dichloroethane-d4	5.75	65	103192	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
32) Benzene-d6	5.77	84	309238	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.90%
36) 1,2-Dichloropropane-d6	6.73	67	105765	49.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.84%
41) Toluene-d8	7.93	98	276900	47.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.76%
43) trans-1,3-Dichloropropene-	8.21	79	48209	47.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.04%
47) 2-Hexanone-d5	8.67	63	122137	101.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.01%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	152253	48.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.52%
66) 1,2-Dichlorobenzene-d4	12.21	152	94882	50.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	4300	2.389 ug/L	96
3) Chloromethane	1.54	50	5687	2.667 ug/L	96
5) Vinyl chloride	1.62	62	6196	2.698 ug/L #	75
6) Bromomethane	1.87	94	3629	2.520 ug/L	98
9) Trichlorofluoromethane	2.16	101	7020	2.573 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4961	3.035 ug/L	85
12) 1,1-Dichloroethene	2.61	96	4661	2.929 ug/L #	1
13) Acetone	2.66	43	11586	7.359 ug/L	98
14) Carbon disulfide	2.82	76	11995	2.523 ug/L	99
15) Methyl Acetate	2.99	43	5956	2.617 ug/L	97
16) Methylene chloride	3.08	84	6154	3.133 ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	4562	2.695 ug/L	96
18) Methyl tert-butyl Ether	3.41	73	15304	2.604 ug/L	99
19) 1,1-Dichloroethane	3.92	63	8737	2.590 ug/L	95
20) cis-1,2-Dichloroethene	4.72	96	5149	2.669 ug/L	95
22) 2-Butanone	4.76	43	10966	5.868 ug/L	95
23) Bromochloromethane	5.02	128	2244	2.482 ug/L	96

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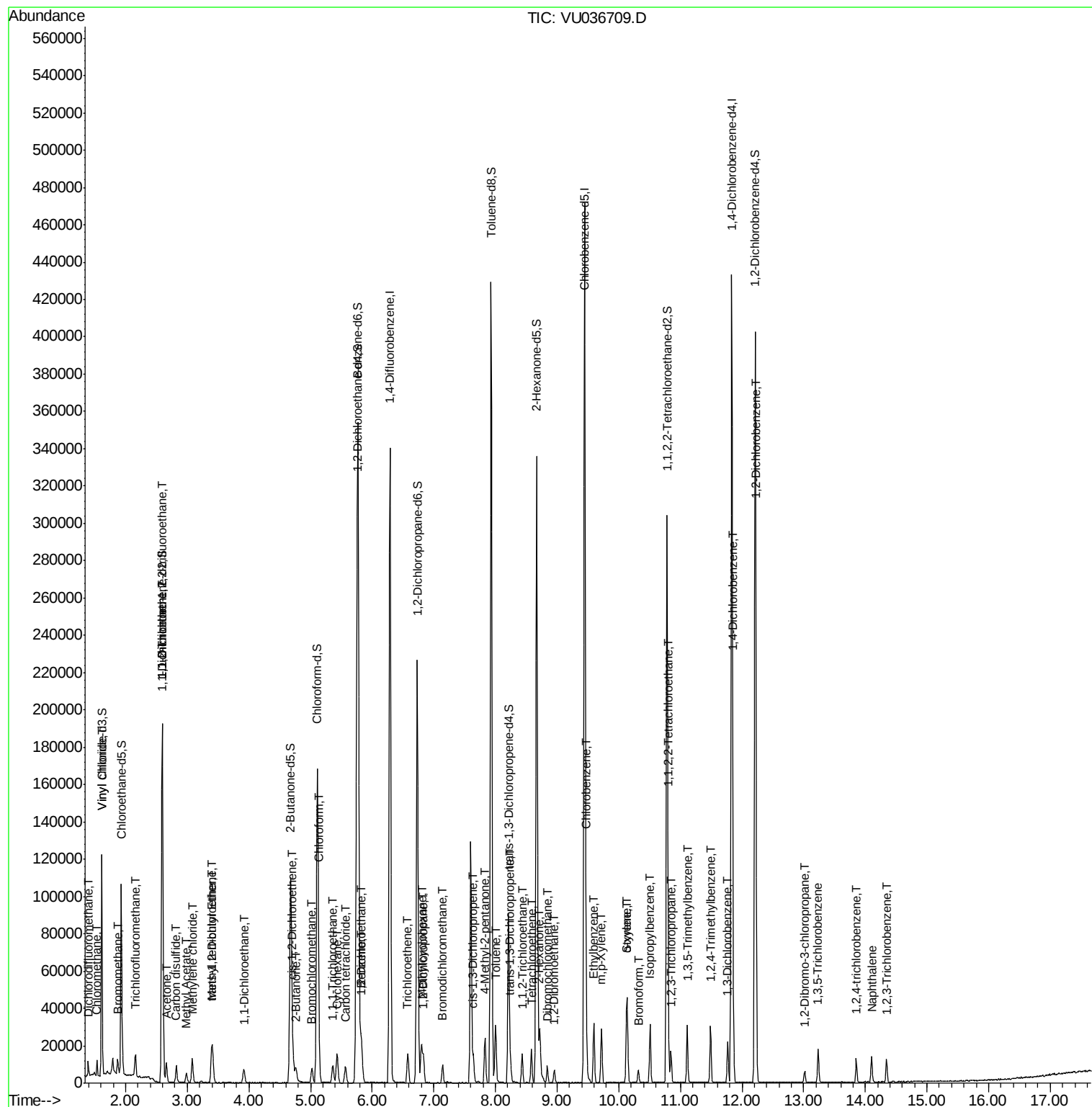
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.14	83	10586	3.227	ug/L	97
27) 1,2-Dichloroethane	5.84	62	7567	2.743	ug/L	97
29) Cyclohexane	5.43	56	8052	2.582	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	6451	2.502	ug/L	96
31) Carbon tetrachloride	5.57	117	5694	2.727	ug/L	95
33) Benzene	5.82	78	19502	2.656	ug/L	100
34) Trichloroethene	6.58	95	4680	2.578	ug/L	98
35) Methylcyclohexane	6.80	83	8118	2.539	ug/L	98
37) 1,2-Dichloropropane	6.83	63	5613	2.835	ug/L #	88
38) Bromodichloromethane	7.14	83	5977	2.484	ug/L	92
39) cis-1,3-Dichloropropene	7.64	75	7445	2.353	ug/L	90
40) 4-Methyl-2-pentanone	7.83	43	16030	5.124	ug/L	98
42) Toluene	8.00	91	21816	2.750	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	7031	2.544	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	4530	2.508	ug/L	95
46) Tetrachloroethene	8.58	164	3629	2.848	ug/L	94
48) 2-Hexanone	8.72	43	15339	6.011	ug/L	95
49) Dibromochloromethane	8.84	129	4082	2.311	ug/L	94
50) 1,2-Dibromoethane	8.95	107	4728	2.492	ug/L #	94
51) Chlorobenzene	9.47	112	12393	2.594	ug/L	99
52) Ethylbenzene	9.60	91	22402	2.570	ug/L	99
53) m,p-Xylene	9.72	106	8155	2.536	ug/L	96
54) o-xylene	10.13	106	7769	2.439	ug/L	100
55) Styrene	10.14	104	12382	2.332	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.81	83	8410	2.584	ug/L	97
59) Bromoform	10.32	173	2886	2.509	ug/L #	94
60) 1,2,3-Trichloropropane	10.85	75	6660	2.719	ug/L	95
61) Isopropylbenzene	10.51	105	20187	2.603	ug/L	97
62) 1,3,5-Trimethylbenzene	11.11	105	16887	2.540	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	16892	2.545	ug/L	96
64) 1,3-Dichlorobenzene	11.77	146	8594	2.636	ug/L	96
65) 1,4-Dichlorobenzene	11.86	146	8822	2.687	ug/L	95
67) 1,2-Dichlorobenzene	12.23	146	9069	2.747	ug/L	94
68) 1,2-Dibromo-3-chloropropan	13.01	75	1630	2.329	ug/L	93
69) 1,3,5-Trichlorobenzene	13.23	180	5189	2.295	ug/L	99
70) 1,2,4-trichlorobenzene	13.85	180	3591	1.905	ug/L	94
71) Naphthalene	14.10	128	10567	1.590	ug/L	99
72) 1,2,3-Trichlorobenzene	14.34	180	3774	2.009	ug/L	90

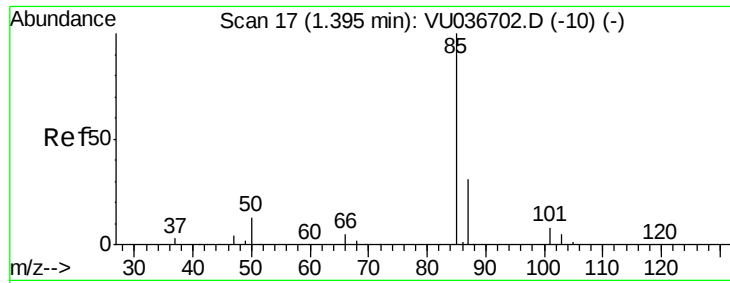
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.389 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

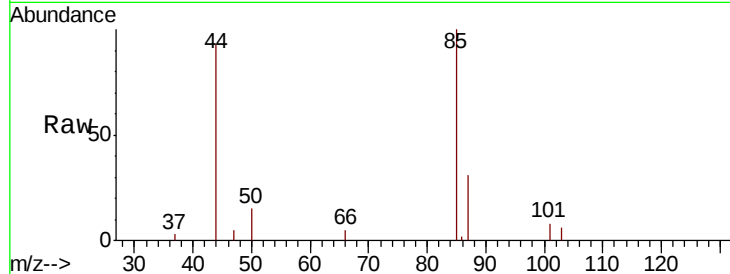
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 4300

Ion Ratio Lower Upper

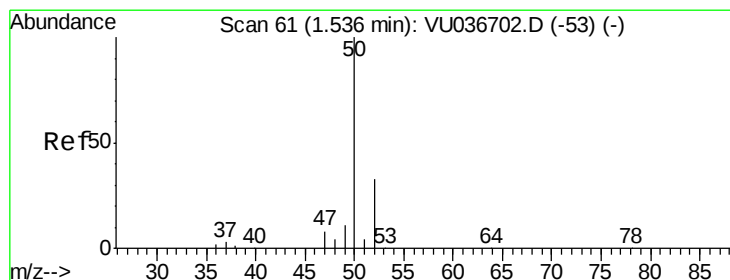
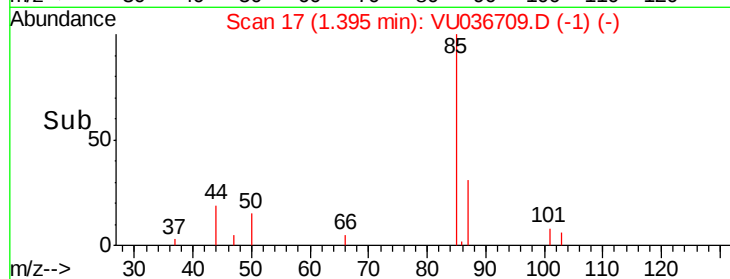
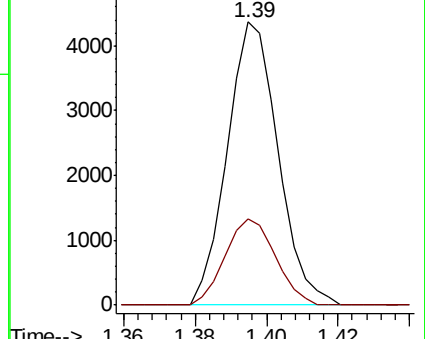
85 100

87 30.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036702.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036702.D (-10) (-)



#3

Chloromethane

Concen: 2.667 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036709.D

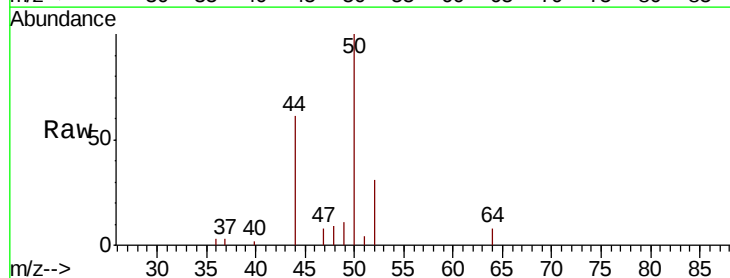
Acq: 10 Feb 2020 13:36

Tgt Ion: 50 Resp: 5687

Ion Ratio Lower Upper

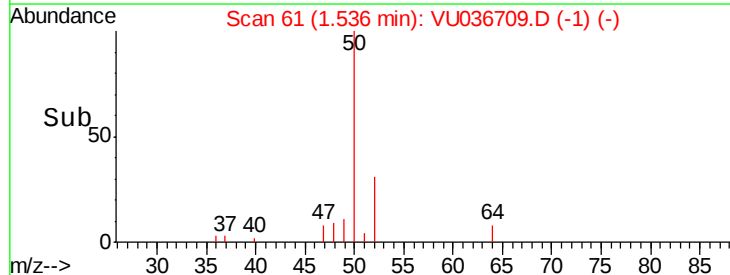
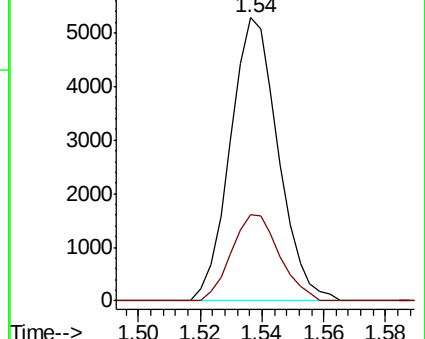
50 100

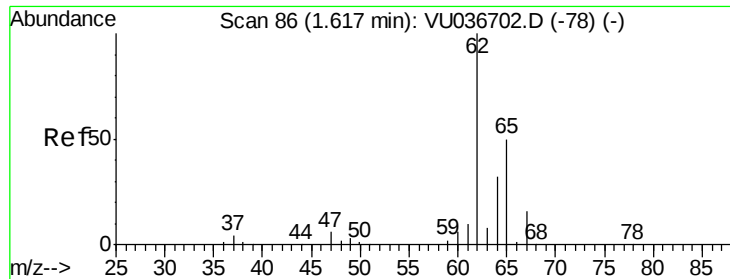
52 30.6 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036702.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036702.D (-53) (-)





#5

Vinyl chloride

Concen: 2.698 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Instrument :

MSVOA_U

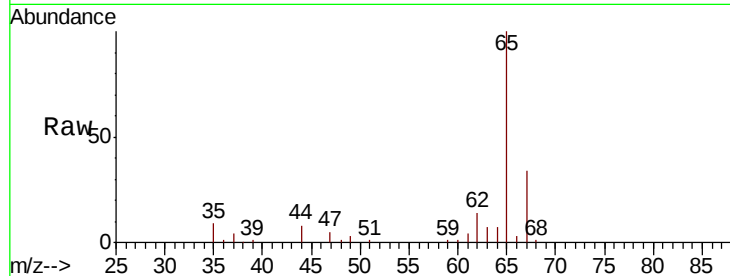
ClientSampled :

Tot Ion: 62 Resp: 6196

Ion Ratio Lower Upper

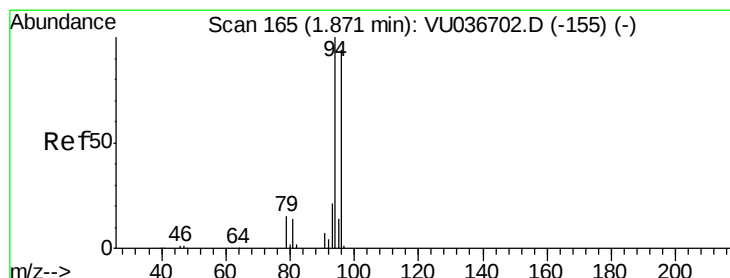
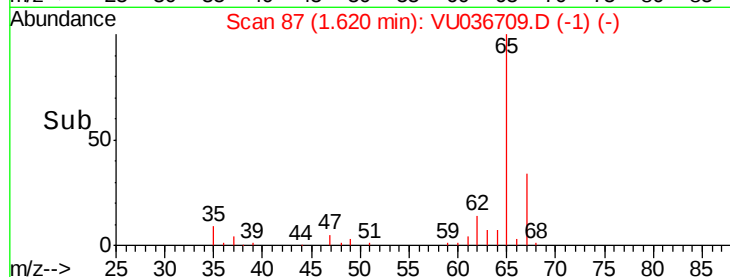
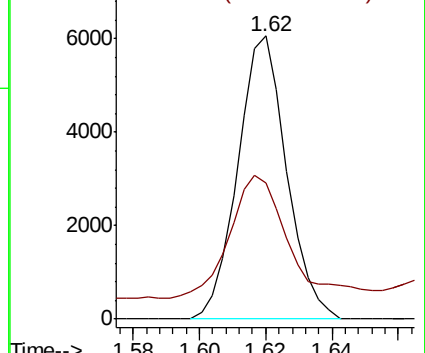
62 100

64 47.9 23.4 43.6#



Abundance Ion 62.00 (61.70 to 62.70): VU036709.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU036709.D (-1) (-)



#6

Bromomethane

Concen: 2.520 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036709.D

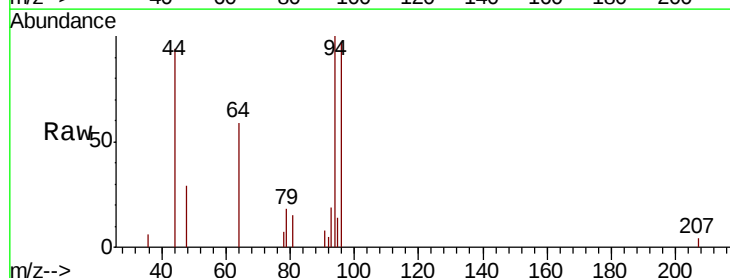
Acq: 10 Feb 2020 13:36

Tgt Ion: 94 Resp: 3629

Ion Ratio Lower Upper

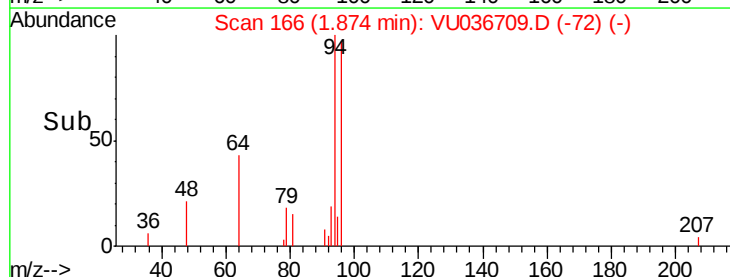
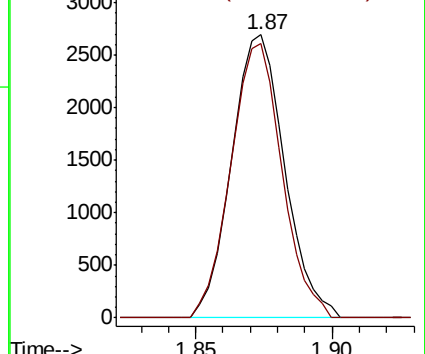
94 100

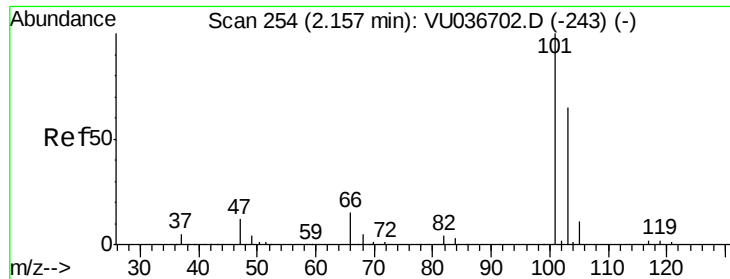
96 96.9 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU036709.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU036709.D (-72) (-)



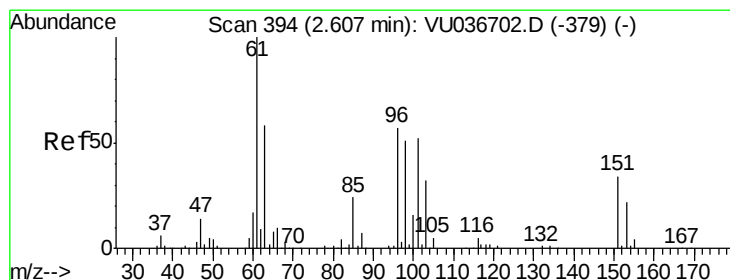
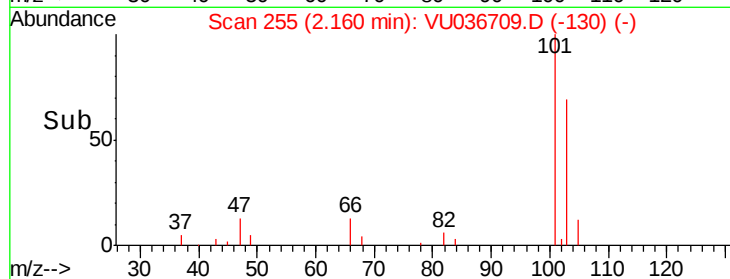
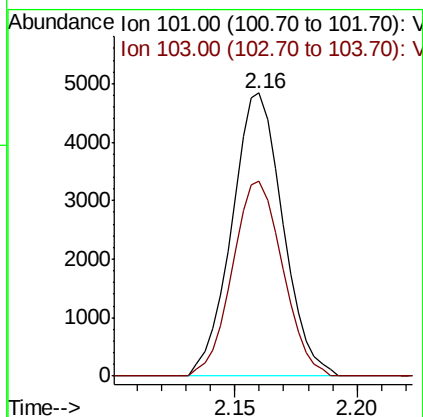
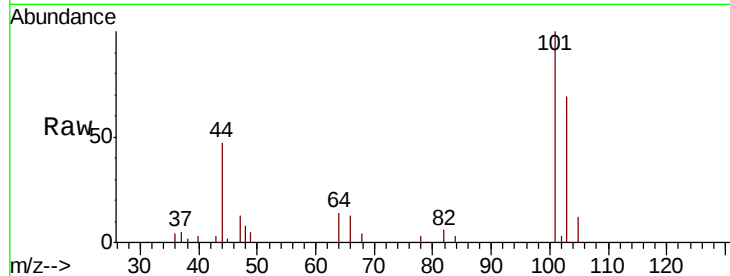


#9

Trichlorofluoromethane
 Concen: 2.573 ug/L
 RT: 2.16 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

Instrument :
 MSVOA_U
 ClientSampled :

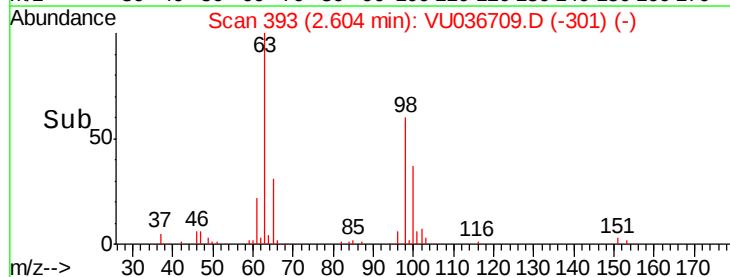
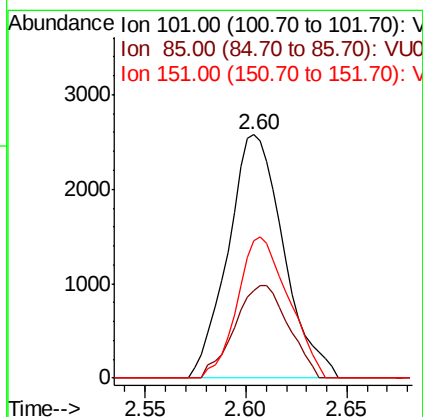
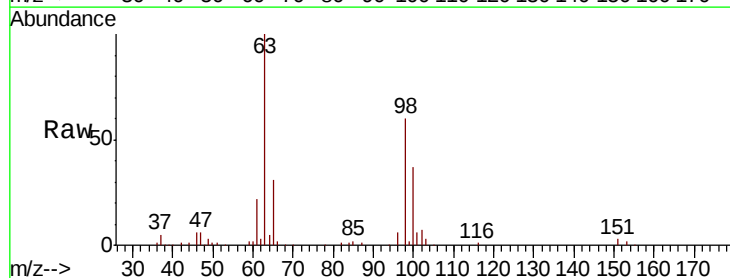
Tot Ion:101 Resp: 7020
 Ion Ratio Lower Upper
 101 100
 103 67.9 51.6 77.4

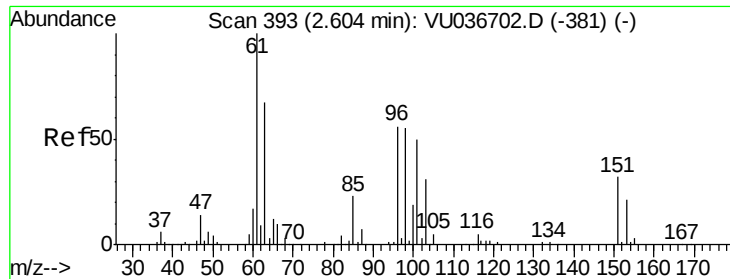


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.035 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

Tgt Ion:101 Resp: 4961
 Ion Ratio Lower Upper
 101 100
 85 36.7 36.5 54.7
 151 53.2 52.6 78.8

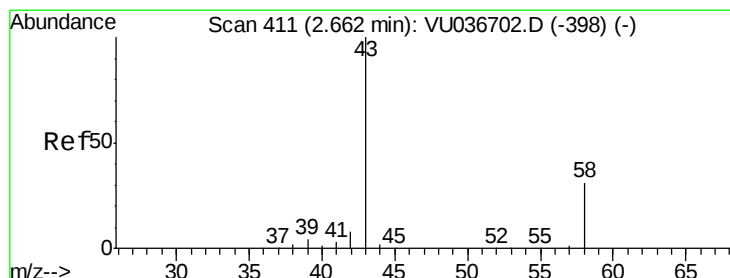
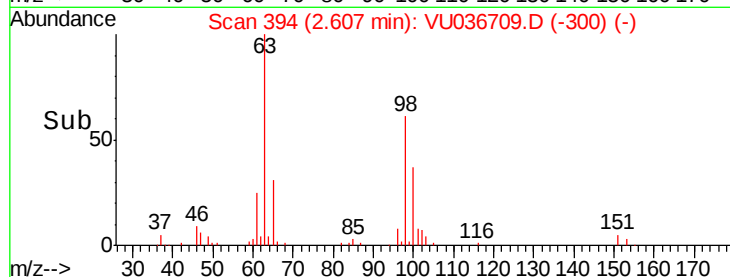
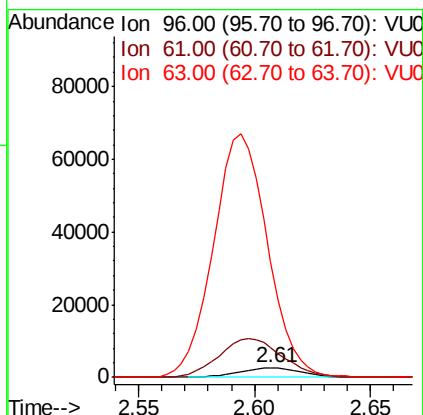
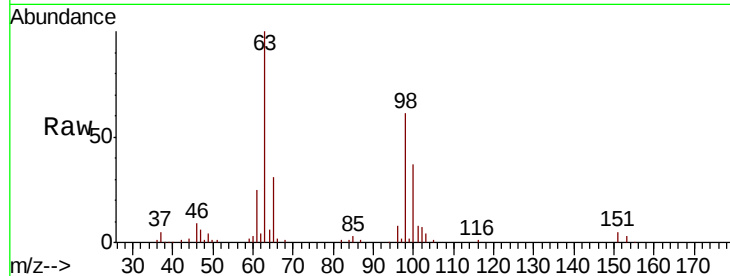




#12
 1,1-Dichloroethene
 Concen: 2.929 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

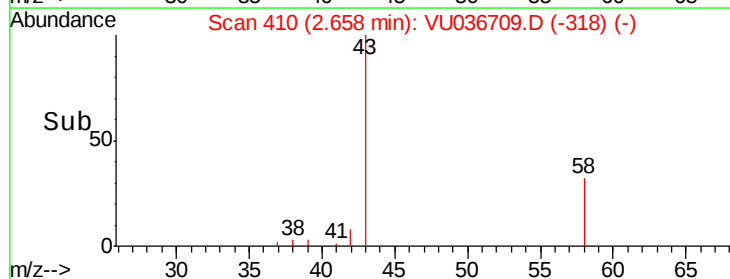
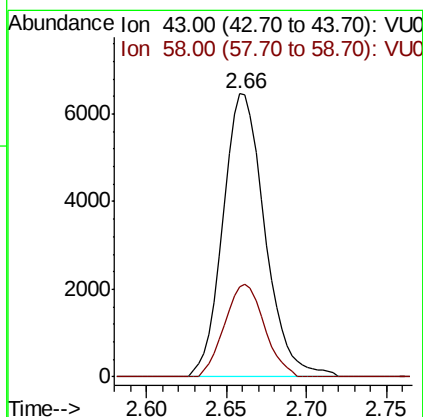
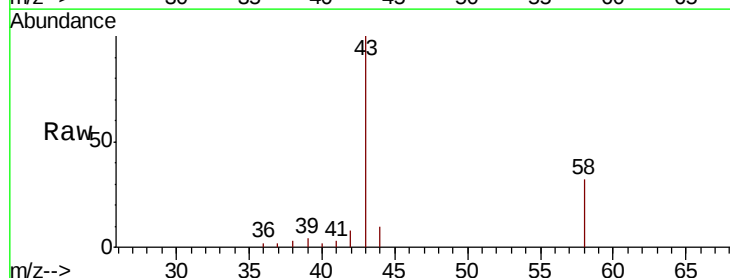
Instrument :
 MSVOA_U
 ClientSampleId :

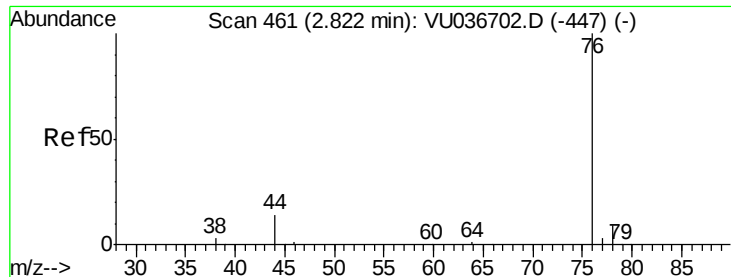
Tot Ion: 96 Resp: 4661
 Ion Ratio Lower Upper
 96 100
 61 307.5 124.4 231.0#
 63 1210.7 83.4 155.0#



#13
 Acetone
 Concen: 7.359 ug/L
 RT: 2.66 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

Tgt Ion: 43 Resp: 11586
 Ion Ratio Lower Upper
 43 100
 58 30.9 0.0 64.0





#14

Carbon disulfide

Concen: 2.523 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Instrument :

MSVOA_U

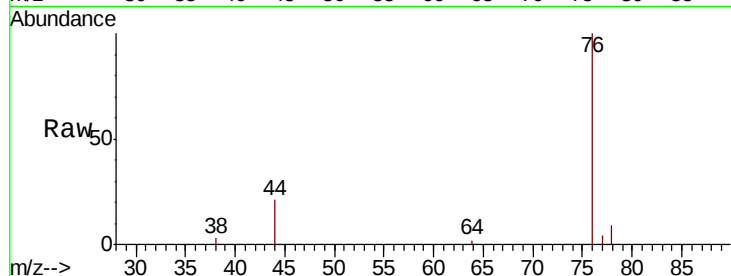
ClientSampleId :

Tot Ion: 76 Resp: 11995

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036709.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036709.D (-368) (-)

2.82

8000

6000

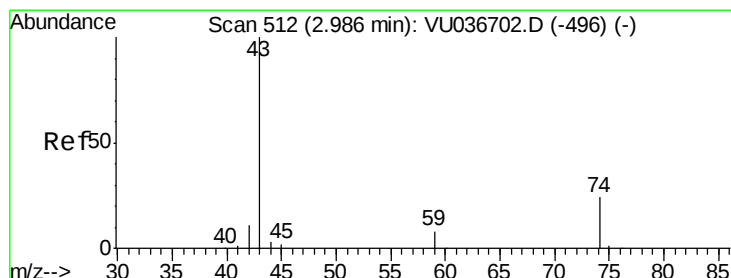
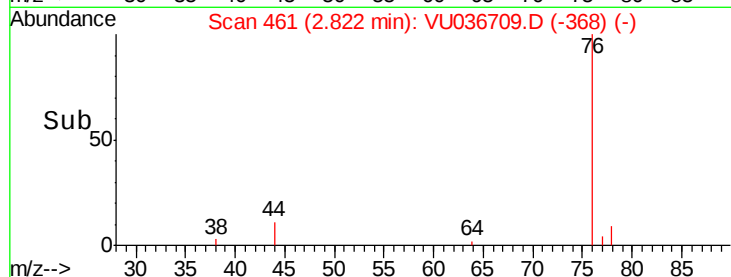
4000

2000

0

Time-->

2.80 2.85



#15

Methyl Acetate

Concen: 2.617 ug/L

RT: 2.99 min Scan# 512

Delta R.T. -0.00 min

Lab File: VU036709.D

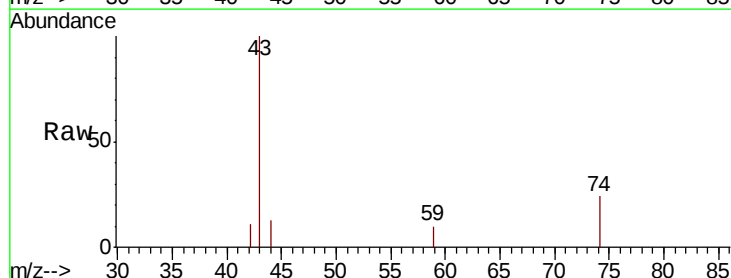
Acq: 10 Feb 2020 13:36

Tgt Ion: 43 Resp: 5956

Ion Ratio Lower Upper

43 100

74 24.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VU036709.D (-419) (-)

Ion 74.00 (73.70 to 74.70): VU036709.D (-419) (-)

2.99

4000

3000

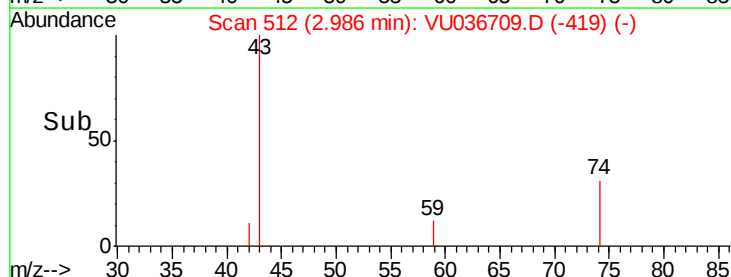
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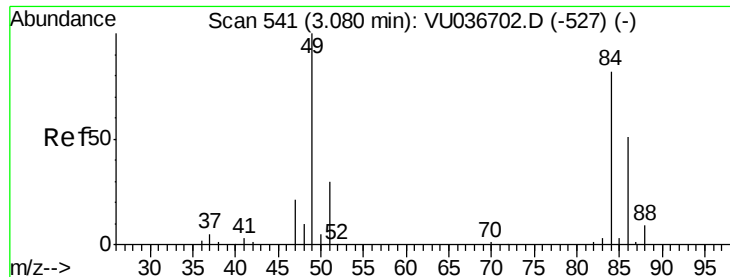
1000

0

Time-->

2.95 3.00 3.05

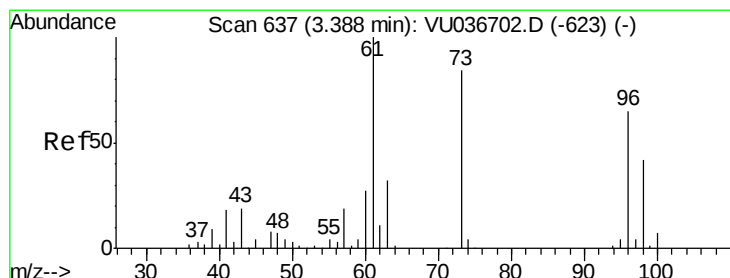
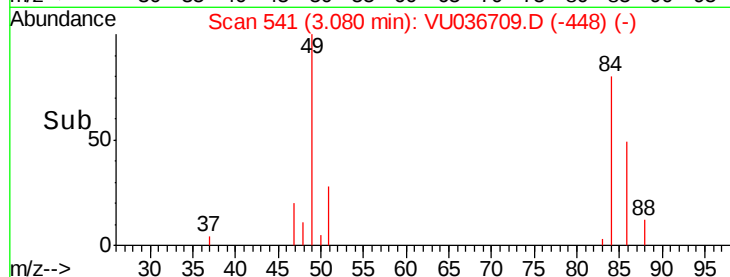
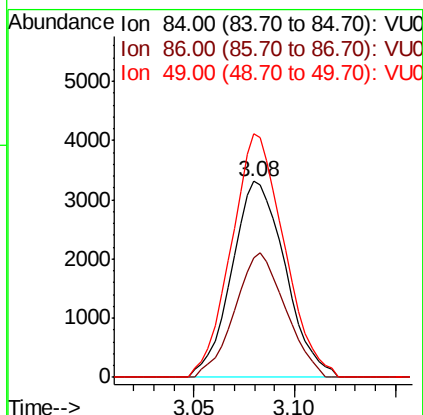
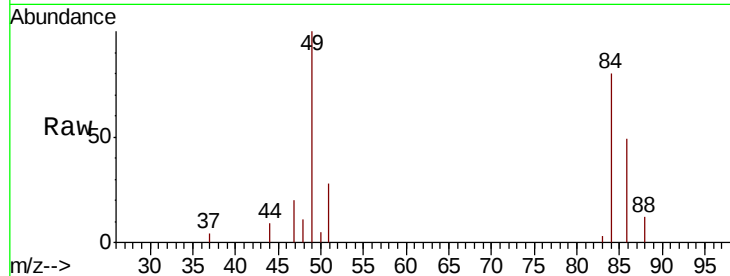




#16
Methylene chloride
Concen: 3.133 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036709.D
Acq: 10 Feb 2020 13:36

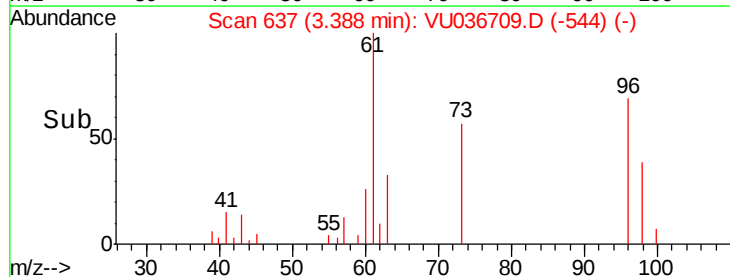
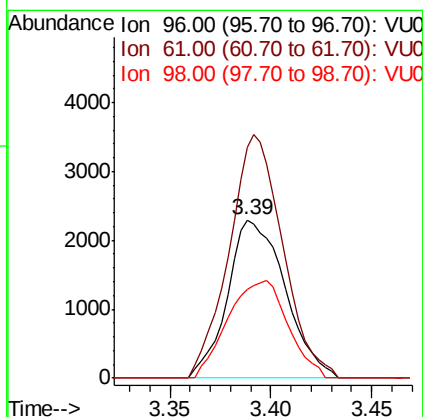
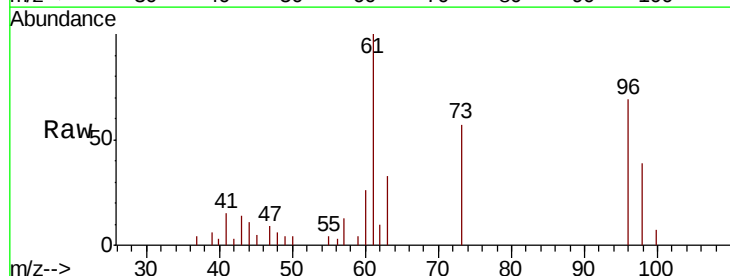
Instrument :
MSVOA_U
ClientSampled :

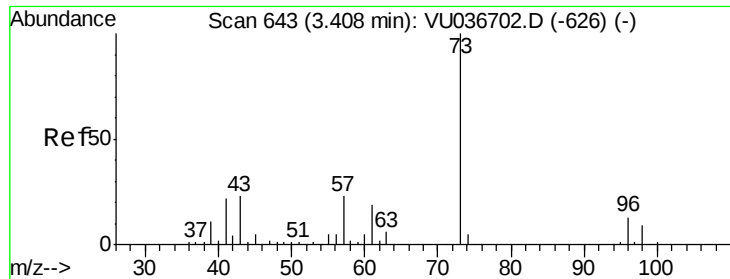
Tot Ion: 84 Resp: 6154
Ion Ratio Lower Upper
84 100
86 61.1 44.4 82.5
49 124.4 89.2 165.8



#17
trans-1,2-Dichloroethene
Concen: 2.695 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036709.D
Acq: 10 Feb 2020 13:36

Tgt Ion: 96 Resp: 4562
Ion Ratio Lower Upper
96 100
61 145.8 103.4 192.0
98 56.1 45.4 84.2

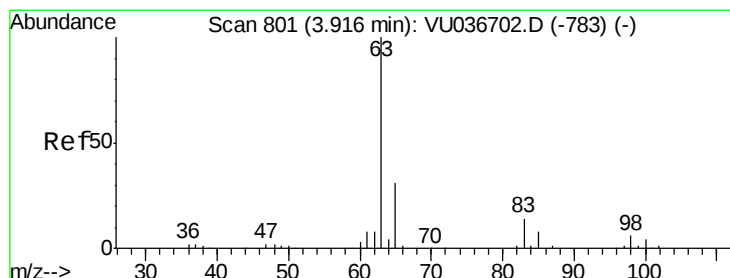
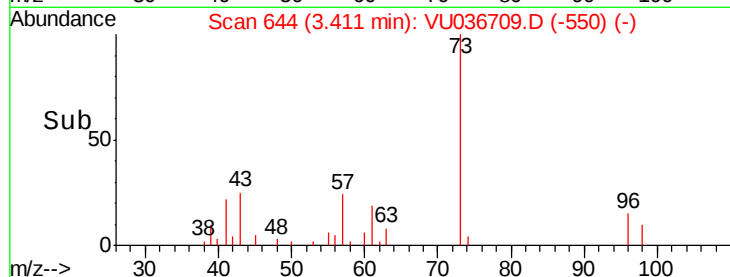
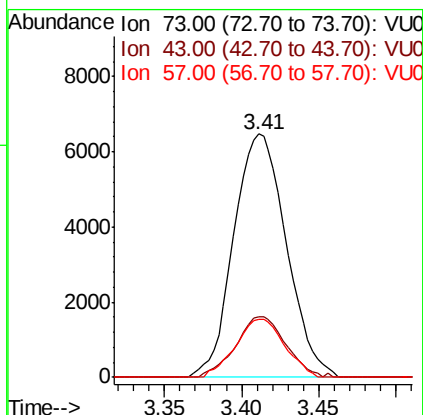
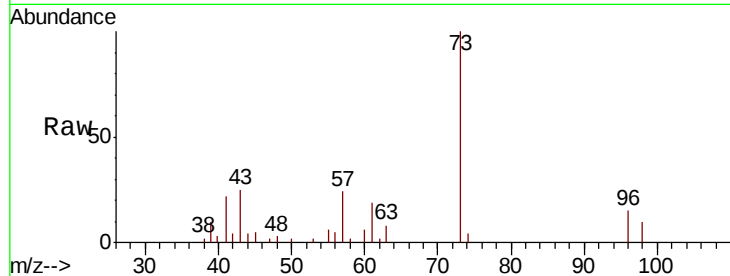




#18
Methvl tert-butvl Ether
Concen: 2.604 ug/L
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU036709.D
Acq: 10 Feb 2020 13:36

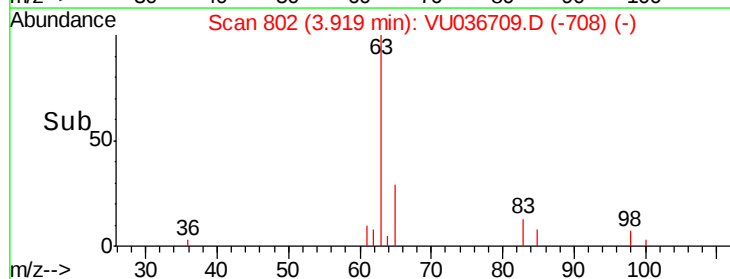
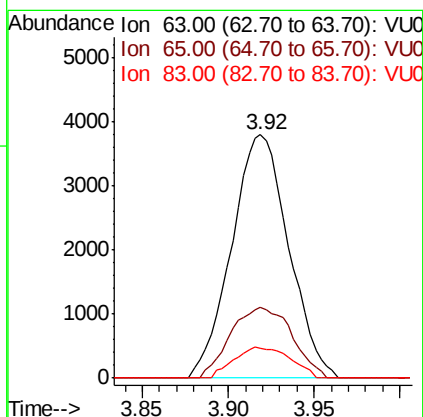
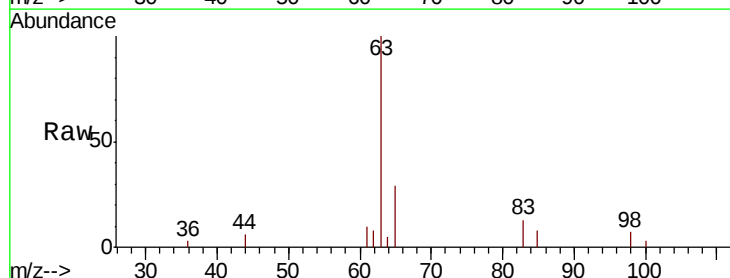
Instrument :
MSVOA_U
ClientSampleId :

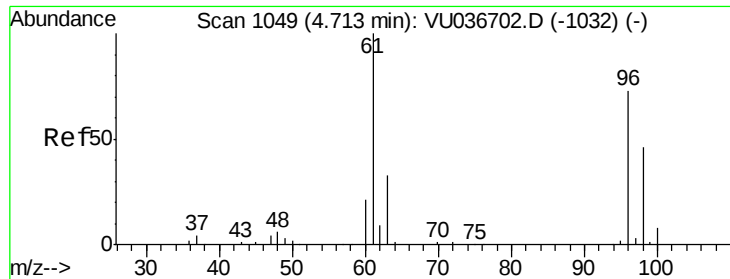
Tot Ion: 73 Resp: 15304
Ion Ratio Lower Upper
73 100
43 23.6 18.6 28.0
57 22.4 18.3 27.5



#19
1,1-Dichloroethane
Concen: 2.590 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU036709.D
Acq: 10 Feb 2020 13:36

Tgt Ion: 63 Resp: 8737
Ion Ratio Lower Upper
63 100
65 28.8 22.0 40.8
83 12.5 10.1 18.7

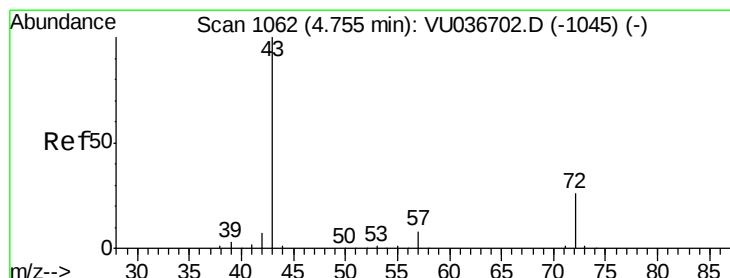
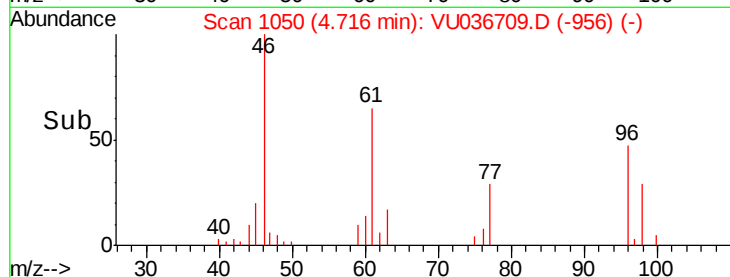
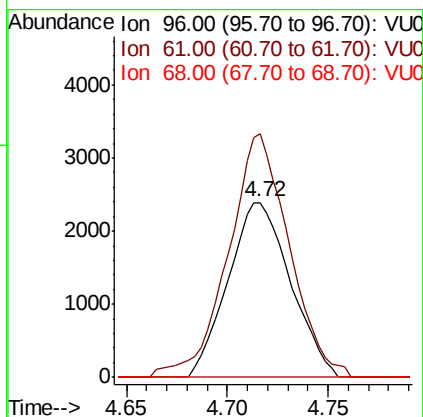
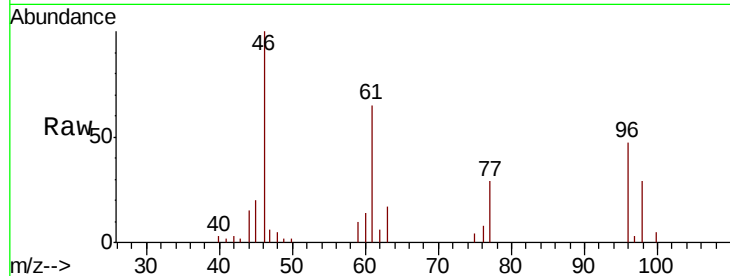




#20
 cis-1,2-Dichloroethene
 Concen: 2.669 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

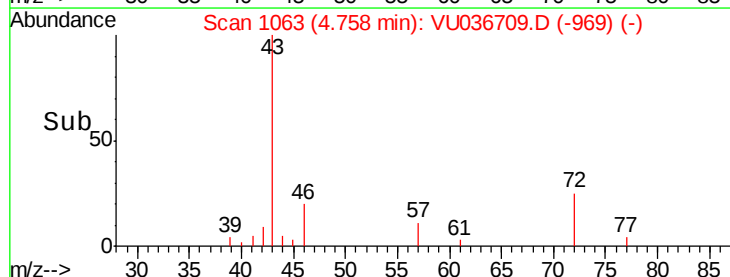
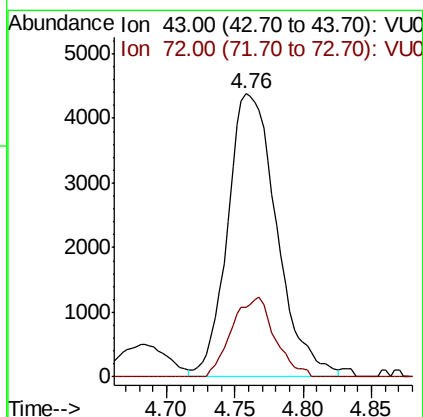
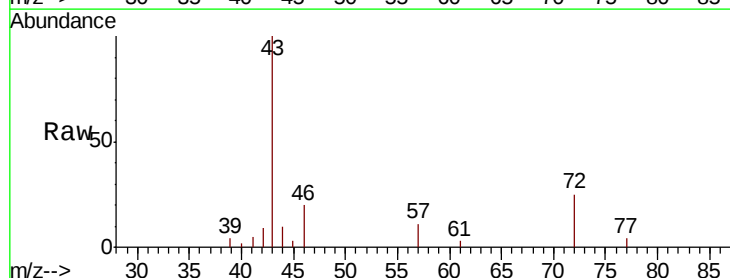
Instrument :
 MSVOA_U
 ClientSampled :

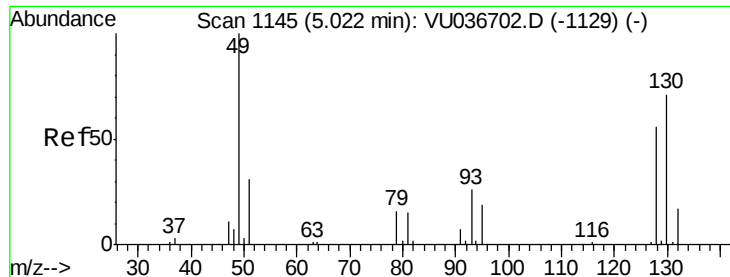
Tot Ion: 96 Resp: 5149
 Ion Ratio Lower Upper
 96 100
 61 139.2 93.3 173.3
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 5.868 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

Tgt Ion: 43 Resp: 10966
 Ion Ratio Lower Upper
 43 100
 72 24.5 13.6 40.7

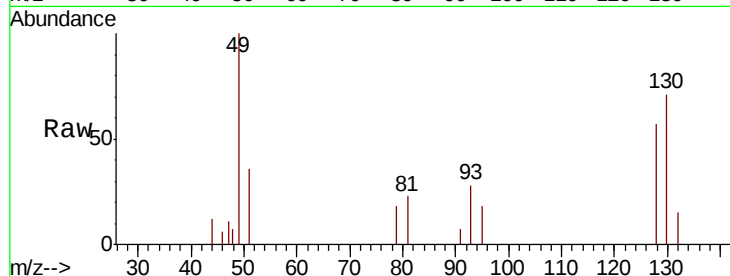




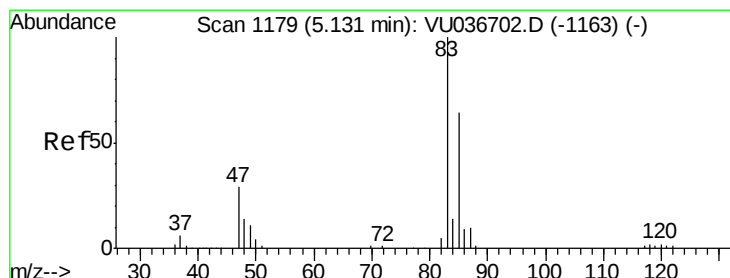
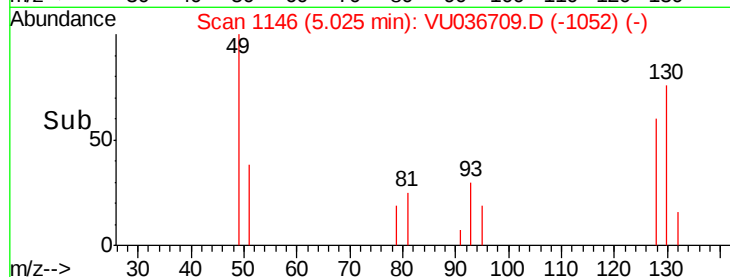
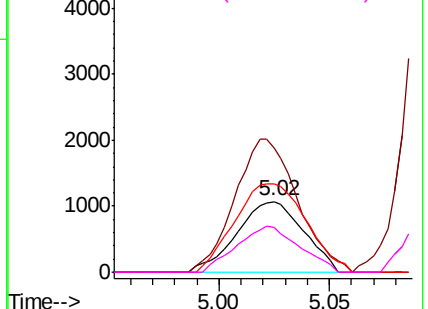
#23
Bromochloromethane
Concen: 2.482 ug/L
RT: 5.02 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VU036709.D
Acq: 10 Feb 2020 13:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 2244
Ion Ratio Lower Upper
128 100
49 175.6 127.3 236.5
130 125.4 88.5 164.3
51 63.6 44.4 66.6

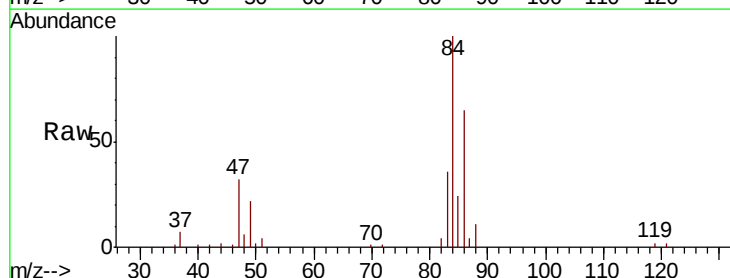


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VU0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VU0

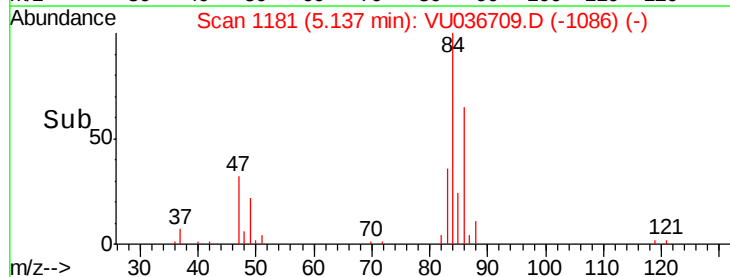
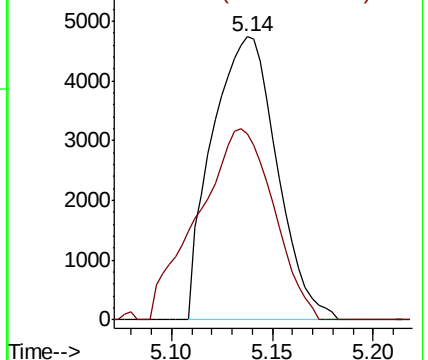


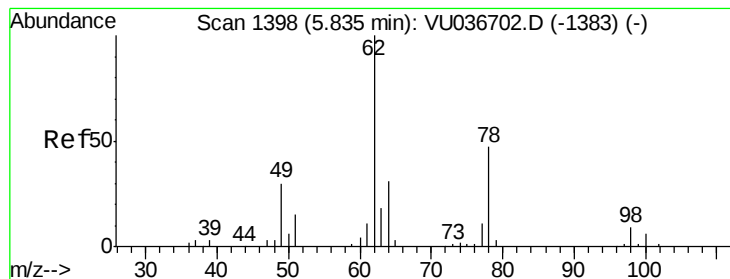
#25
Chloroform
Concen: 3.227 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VU036709.D
Acq: 10 Feb 2020 13:36

Tgt Ion: 83 Resp: 10586
Ion Ratio Lower Upper
83 100
85 65.7 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 2.743 ug/L

RT: 5.84 min Scan# 1399

Delta R.T. 0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Instrument :

MSVOA_U

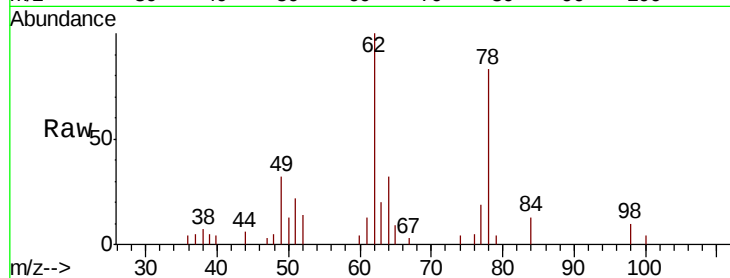
ClientSampleId :

Tot Ion: 62 Resp: 7567

Ion Ratio Lower Upper

62 100

98 9.6 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VU036702.D (-1383) (-)

Ion 98.00 (97.70 to 98.70): VU036702.D (-1383) (-)

5.84

4000

3000

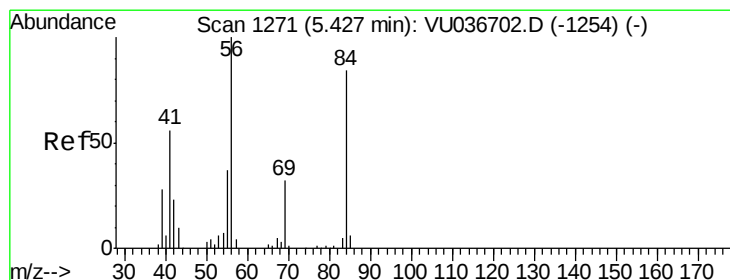
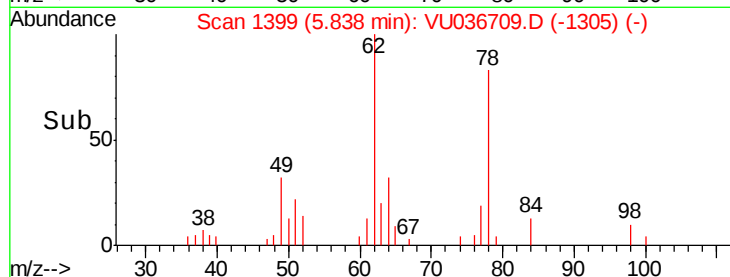
2000

1000

0

5.80 5.85 5.90

Time-->



#29

Cyclohexane

Concen: 2.582 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

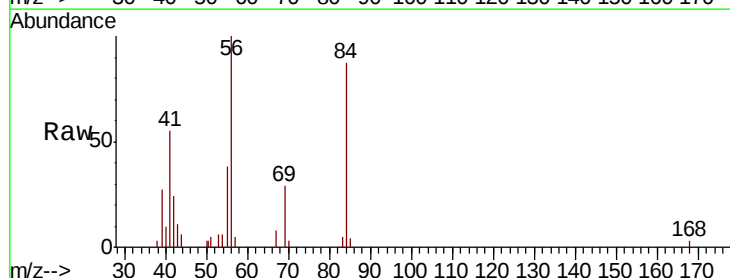
Tgt Ion: 56 Resp: 8052

Ion Ratio Lower Upper

56 100

69 30.3 25.0 37.4

84 84.1 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VU036702.D (-1254) (-)

Ion 69.00 (68.70 to 69.70): VU036702.D (-1254) (-)

Ion 84.00 (83.70 to 84.70): VU036702.D (-1254) (-)

5.43

4000

3000

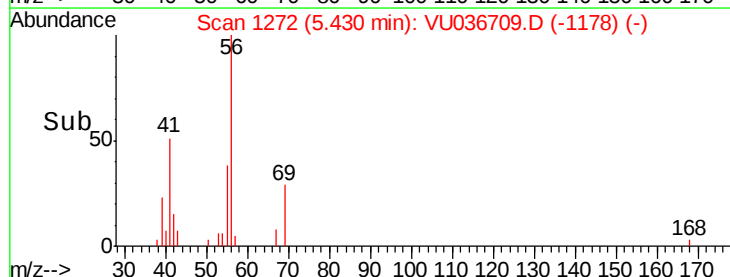
2000

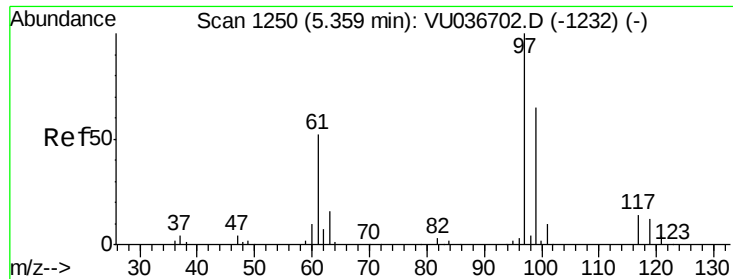
1000

0

5.35 5.40 5.45 5.50

Time-->

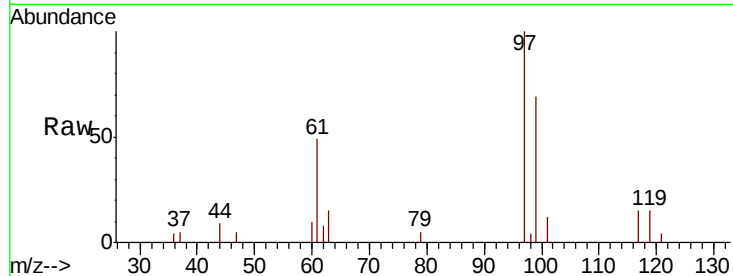




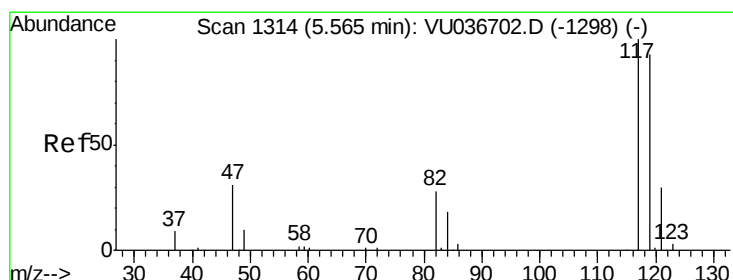
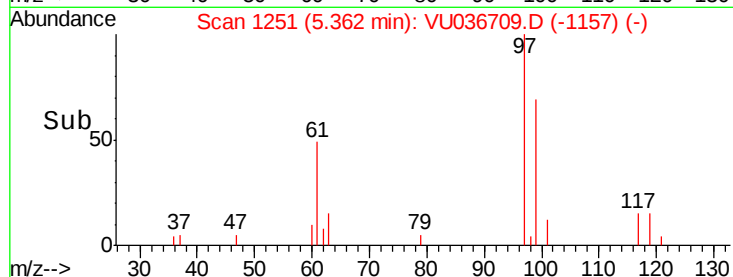
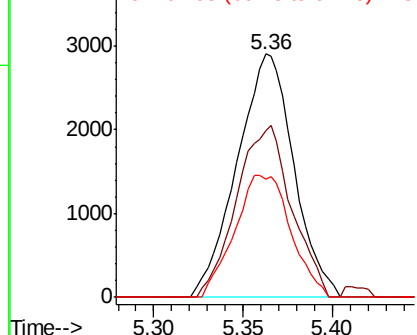
#30
 1,1,1-Trichloroethane
 Concen: 2.502 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 6451
 Ion Ratio Lower Upper
 97 100
 99 68.7 50.9 76.3
 61 49.7 40.2 60.2

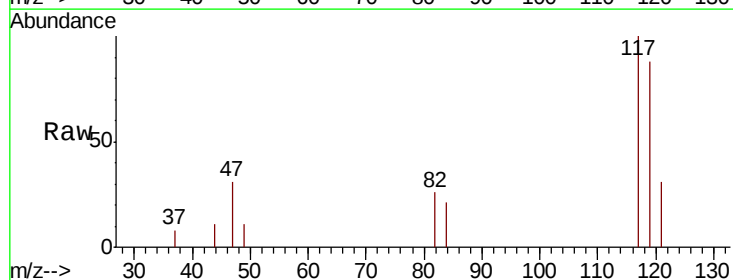


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

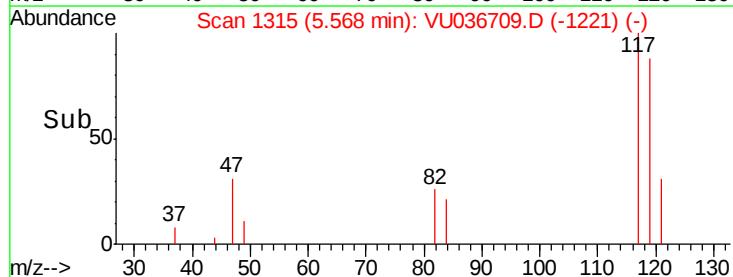
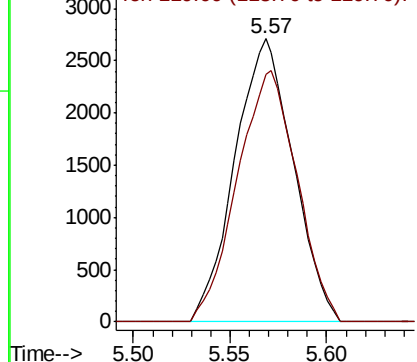


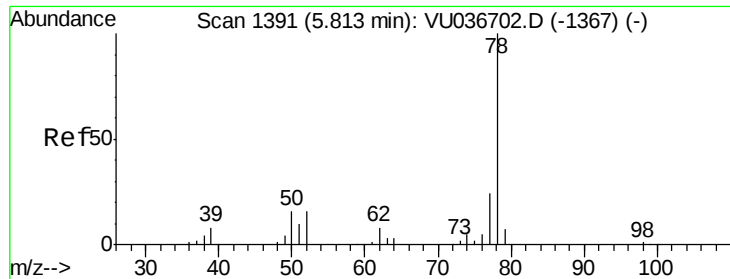
#31
 Carbon tetrachloride
 Concen: 2.727 ug/L
 RT: 5.57 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

Tgt Ion: 117 Resp: 5694
 Ion Ratio Lower Upper
 117 100
 119 90.9 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: 2.656 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VU036709.D

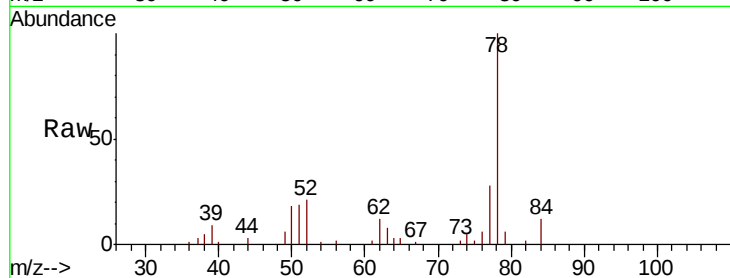
Acq: 10 Feb 2020 13:36

Instrument :

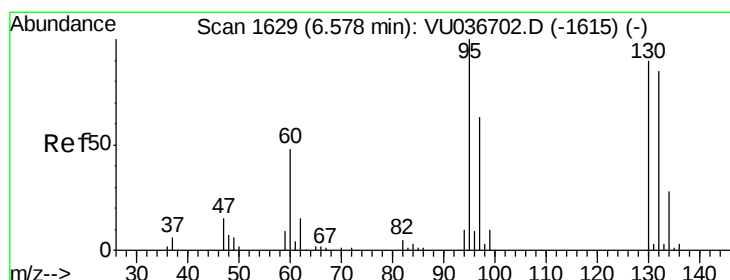
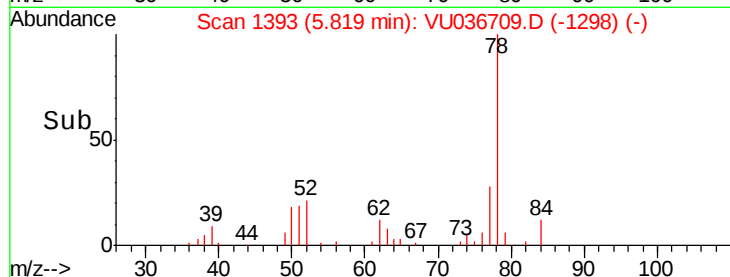
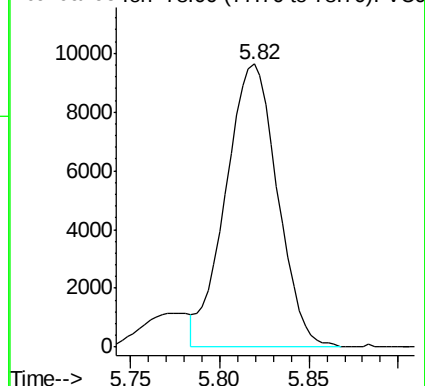
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 19502



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 2.578 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Tgt Ion: 95 Resp: 4680

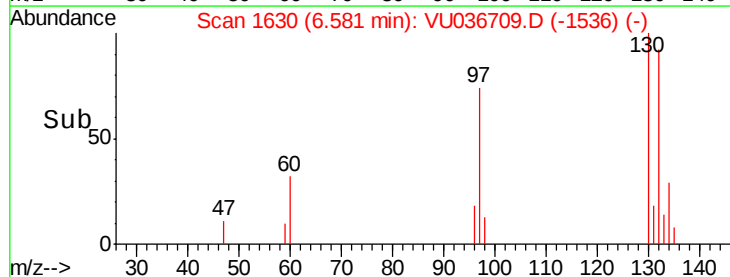
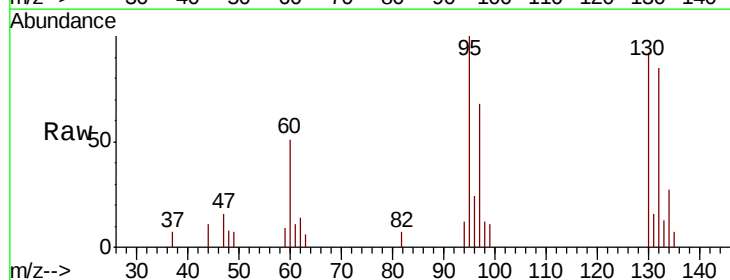
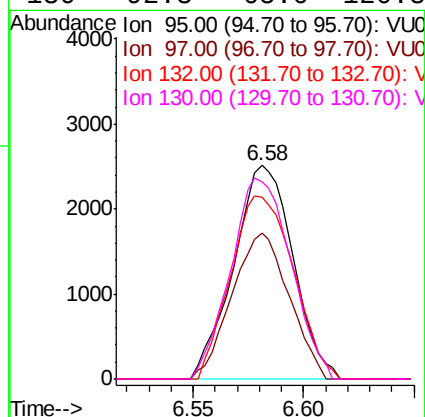
Ion	Ratio	Lower	Upper
95	100		
97	68.3	44.5	82.7
132	85.2	59.6	110.8
130	92.3	65.0	120.8

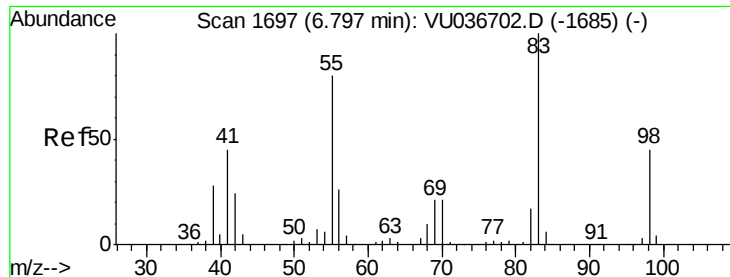
Ion 95.00 (94.70 to 95.70): VU0

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

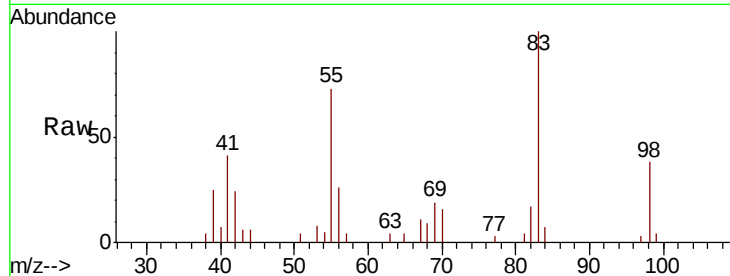




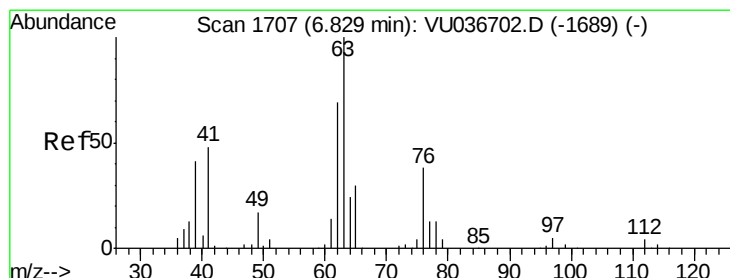
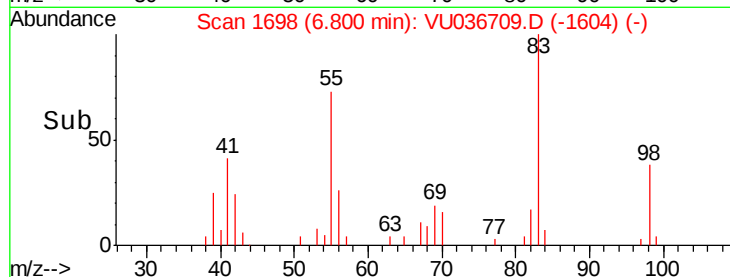
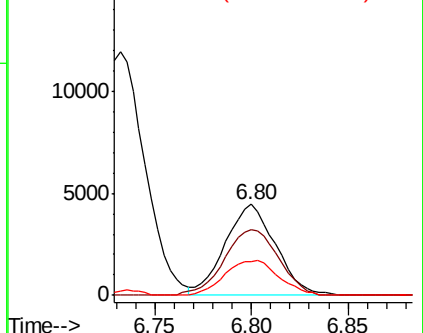
#35
Methvlcvclohexane
Concen: 2.539 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU036709.D
Acq: 10 Feb 2020 13:36

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 8118
Ion Ratio Lower Upper
83 100
55 76.9 61.2 91.8
98 41.1 35.4 53.0

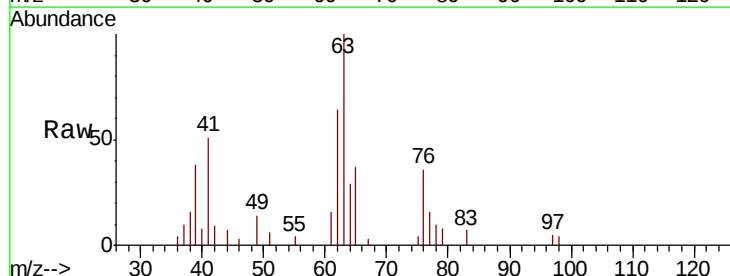


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

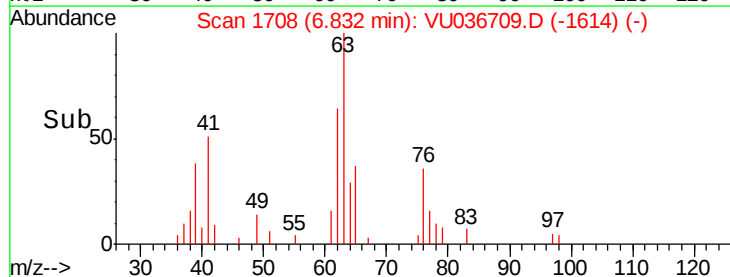
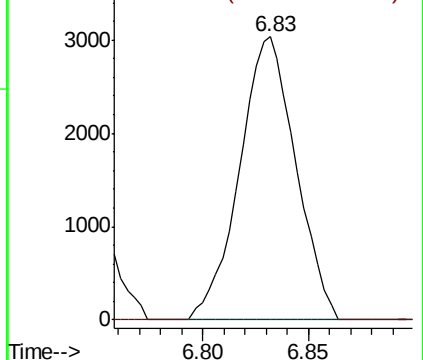


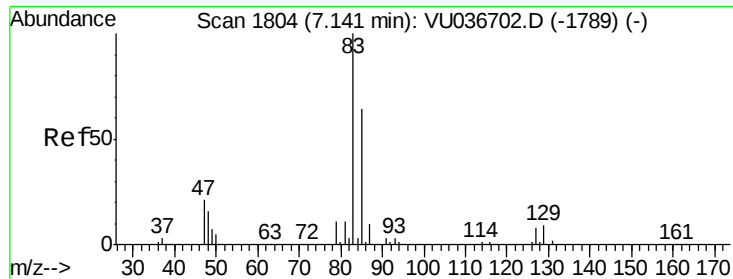
#37
1,2-Dichloropropane
Concen: 2.835 ug/L
RT: 6.83 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VU036709.D
Acq: 10 Feb 2020 13:36

Tgt Ion: 63 Resp: 5613
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V

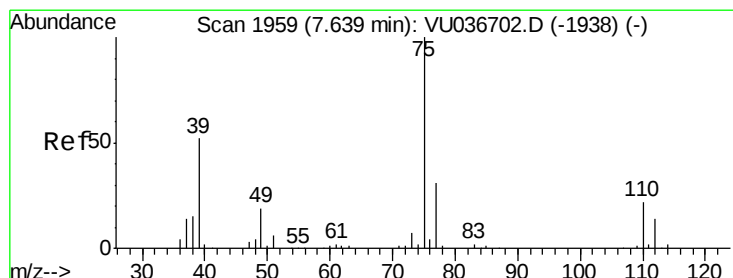
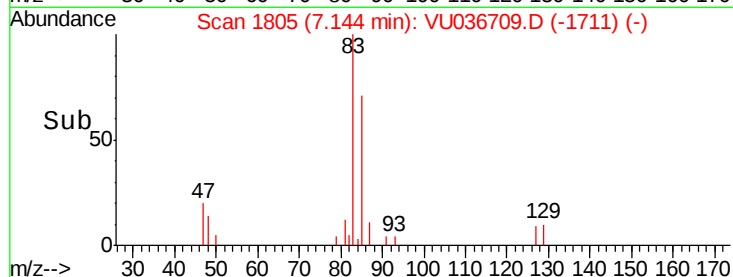
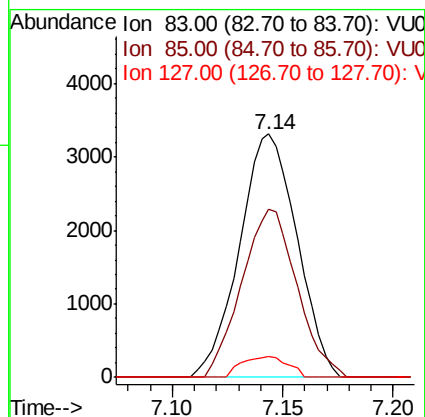
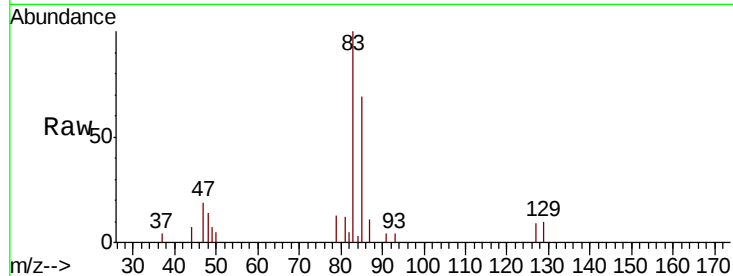




#38
 Bromodichloromethane
 Concen: 2.484 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

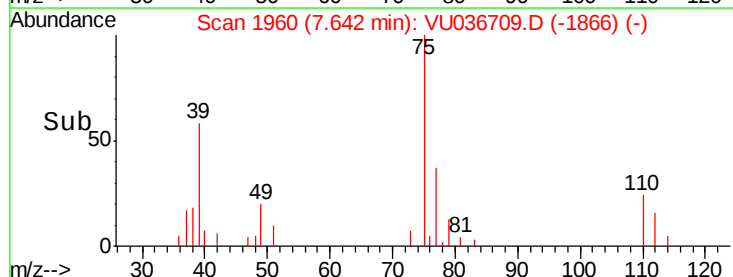
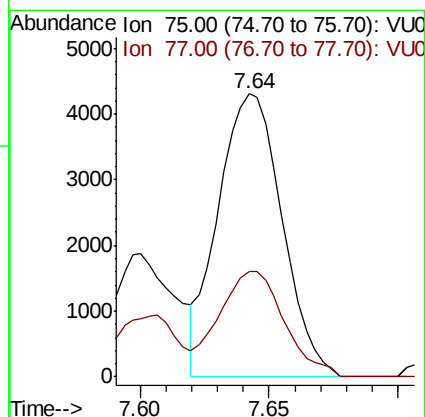
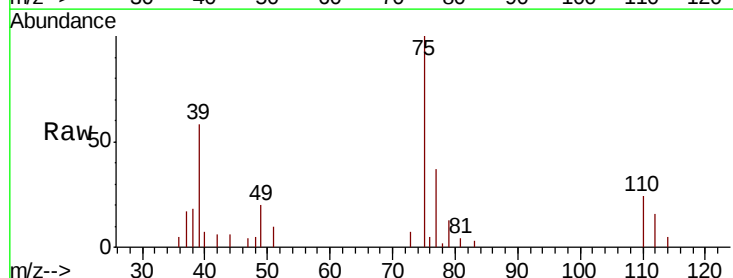
Instrument :
 MSVOA_U
 ClientSampleId :

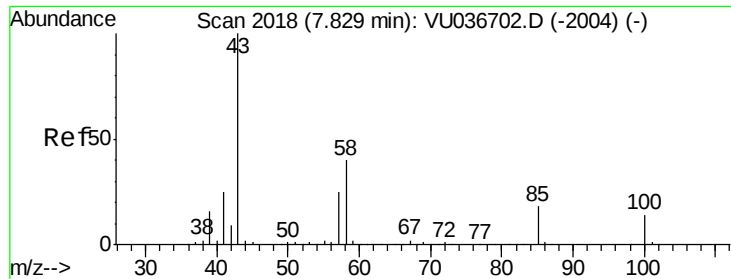
Tot Ion: 83 Resp: 5977
 Ion Ratio Lower Upper
 83 100
 85 68.9 43.9 81.5
 127 8.7 6.0 9.0



#39
 cis-1,3-Dichloropropene
 Concen: 2.353 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

Tgt Ion: 75 Resp: 7445
 Ion Ratio Lower Upper
 75 100
 77 37.5 22.3 41.5

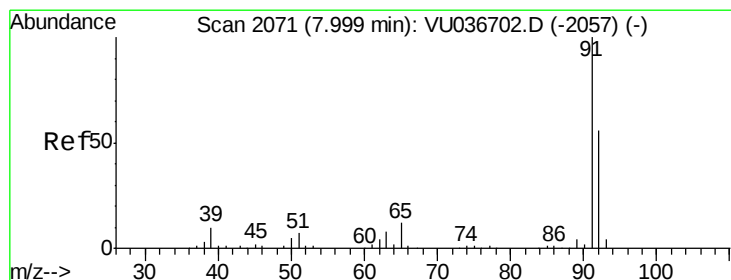
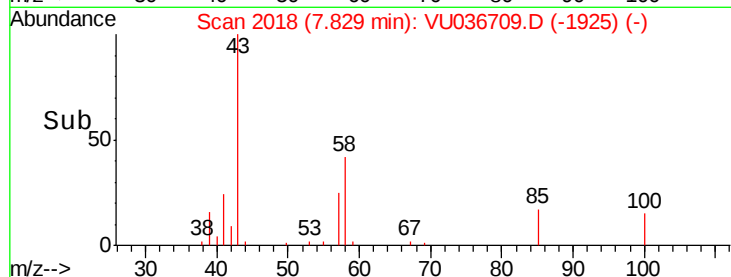
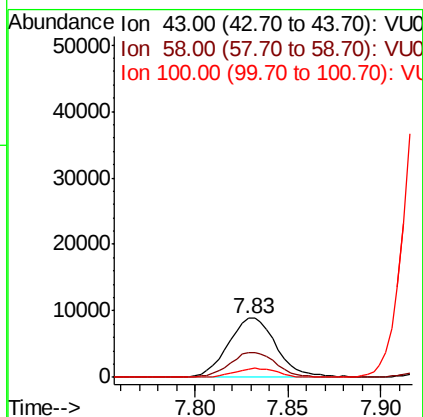
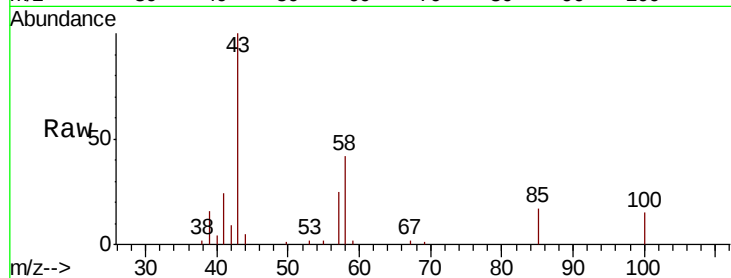




#40
4-Methyl-2-pentanone
Concen: 5.124 ug/L
RT: 7.83 min Scan# 2018
Delta R.T. -0.00 min
Lab File: VU036709.D
Acq: 10 Feb 2020 13:36

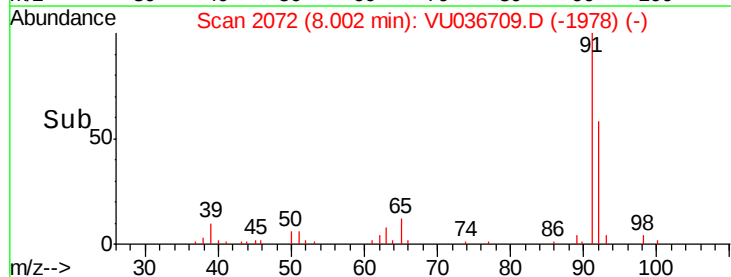
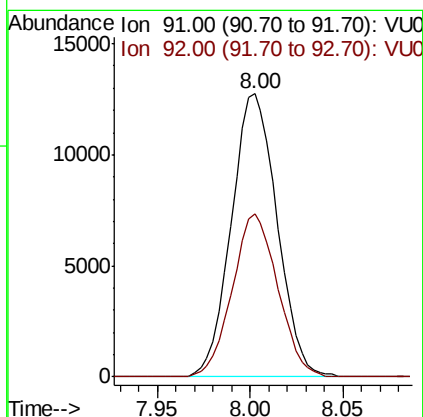
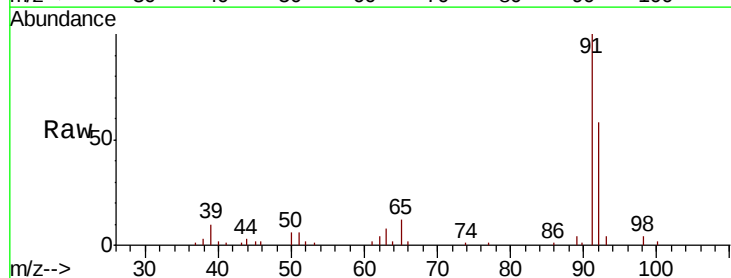
Instrument :
MSVOA_U
ClientSampled :

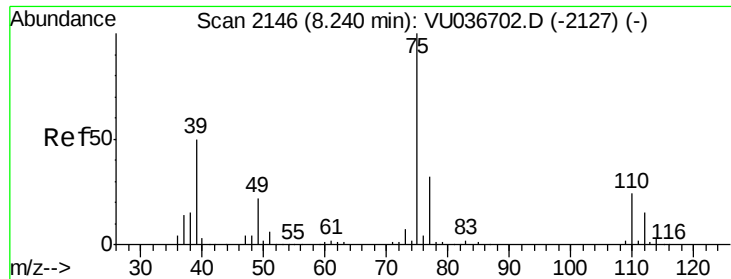
Tot Ion: 43 Resp: 16030
Ion Ratio Lower Upper
43 100
58 40.5 31.0 46.6
100 13.8 11.4 17.2



#42
Toluene
Concen: 2.750 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VU036709.D
Acq: 10 Feb 2020 13:36

Tgt Ion: 91 Resp: 21816
Ion Ratio Lower Upper
91 100
92 57.8 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 2.544 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Instrument :

MSVOA_U

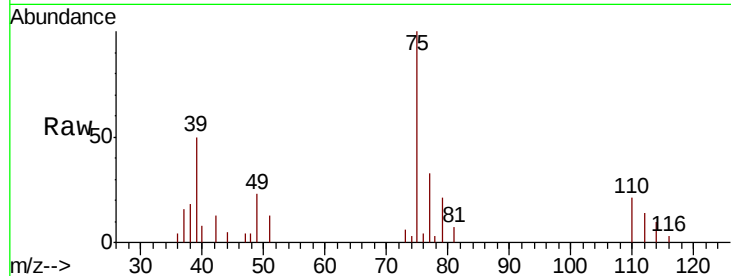
ClientSampleId :

Tot Ion: 75 Resp: 7031

Ion Ratio Lower Upper

75 100

77 32.7 22.6 42.0

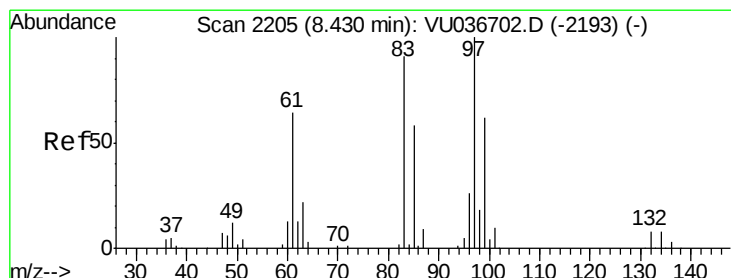
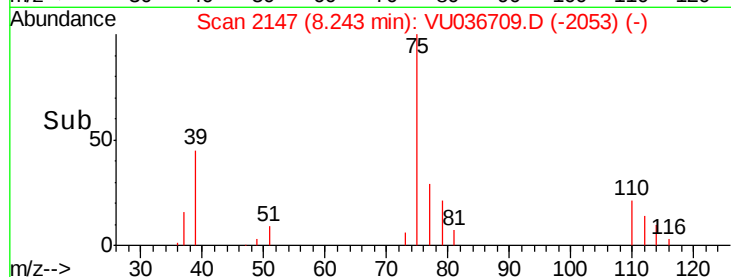


Abundance Ion 75.00 (74.70 to 75.70): VU036702.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU036702.D (-2127) (-)

8.24

Time-->



#45

1,1,2-Trichloroethane

Concen: 2.508 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Tgt Ion: 97 Resp: 4530

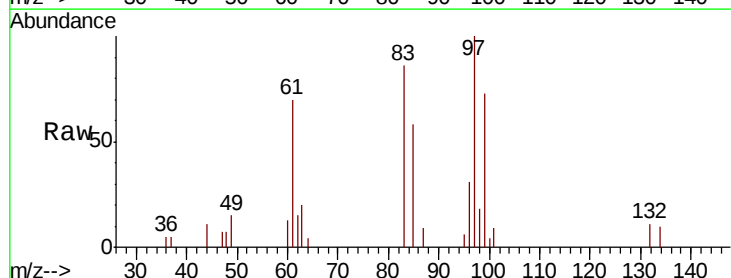
Ion Ratio Lower Upper

97 100

99 72.6 42.6 79.0

83 86.0 61.1 113.5

85 58.0 40.4 75.0



Abundance Ion 97.00 (96.70 to 97.70): VU036702.D (-2193) (-)

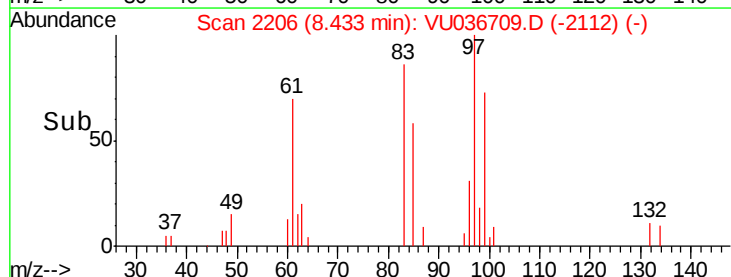
Ion 99.00 (98.70 to 99.70): VU036702.D (-2193) (-)

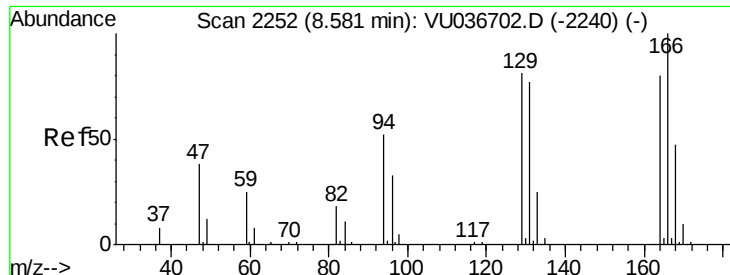
Ion 83.00 (82.70 to 83.70): VU036702.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU036702.D (-2193) (-)

8.43

Time-->





#46

Tetrachloroethene

Concen: 2.848 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 3629

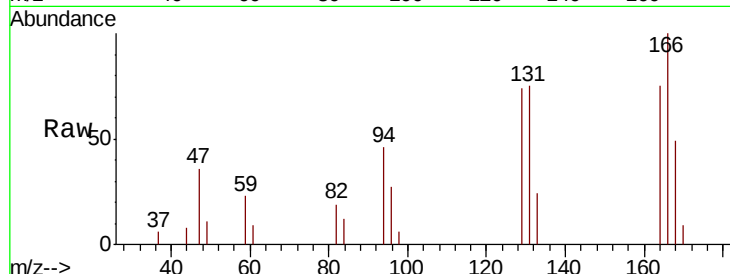
Ion Ratio Lower Upper

164 100

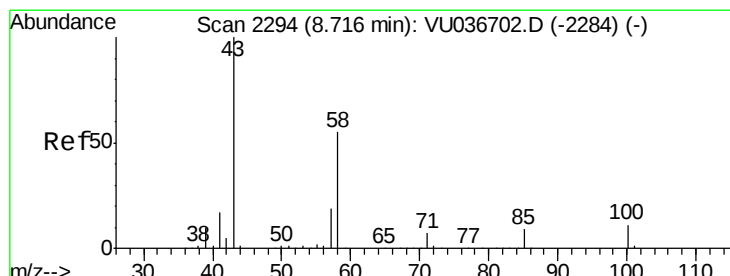
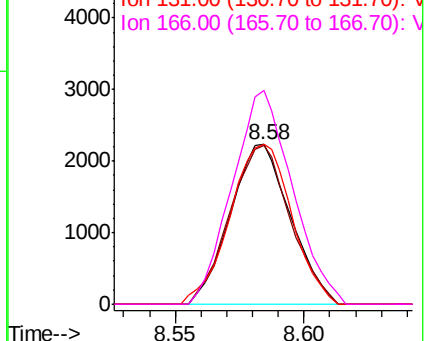
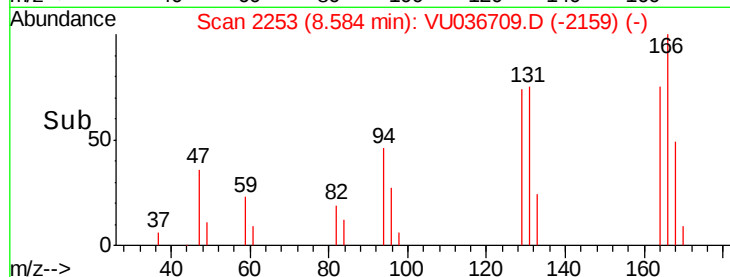
129 99.8 71.0 131.9

131 100.2 66.6 123.6

166 134.0 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: 6.011 ug/L

RT: 8.72 min Scan# 2295

Delta R.T. 0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Tgt Ion: 43 Resp: 15339

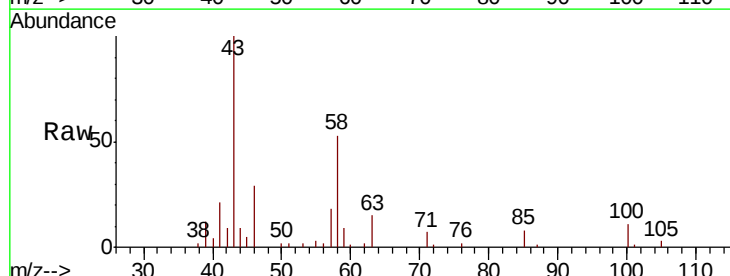
Ion Ratio Lower Upper

43 100

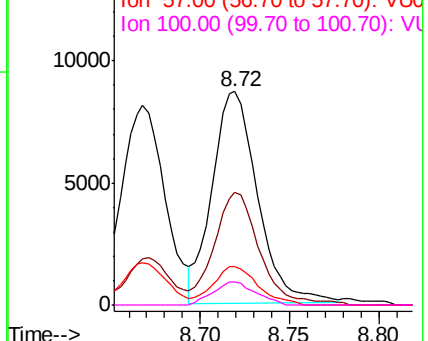
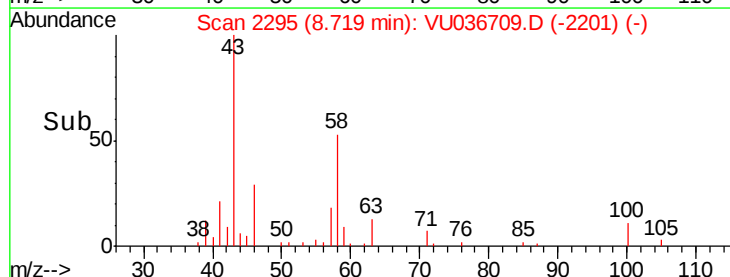
58 49.5 43.6 65.4

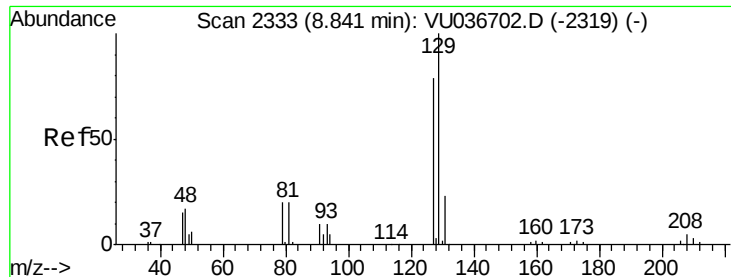
57 18.0 15.5 23.3

100 10.2 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 2.311 ug/L

RT: 8.84 min Scan# 2333

Delta R.T. -0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Instrument :

MSVOA_U

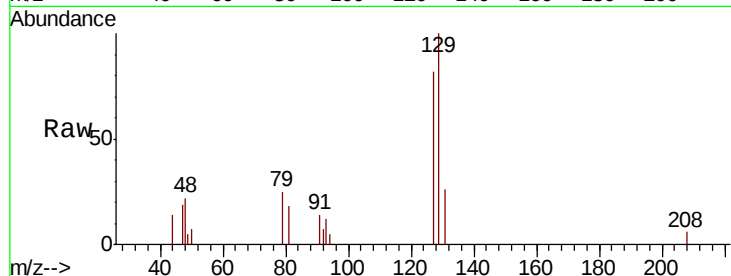
ClientSampleId :

Tot Ion:129 Resp: 4082

Ion Ratio Lower Upper

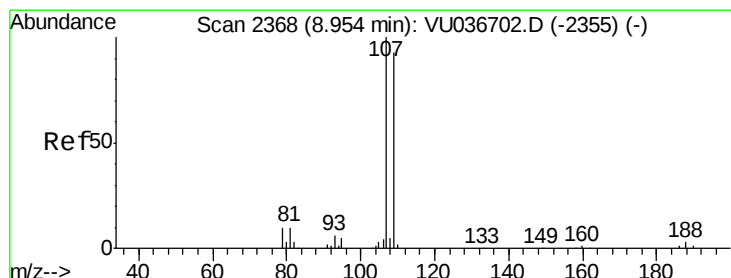
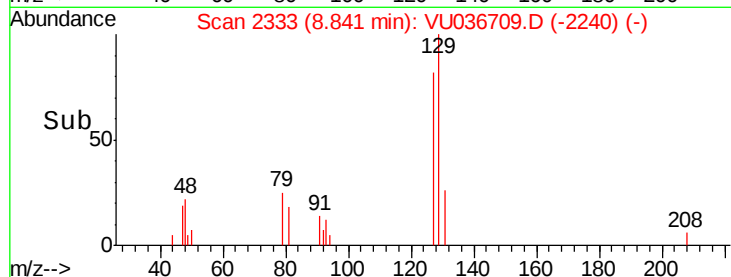
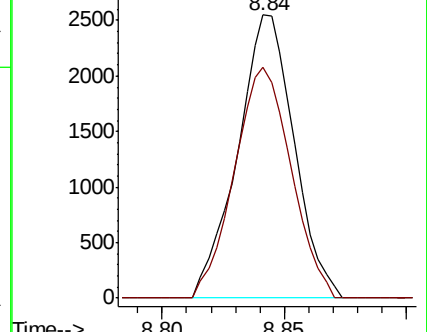
129 100

127 81.6 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.492 ug/L

RT: 8.95 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

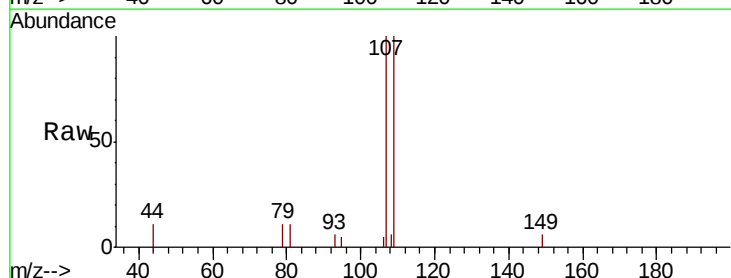
Tgt Ion:107 Resp: 4728

Ion Ratio Lower Upper

107 100

109 100.2 65.8 122.2

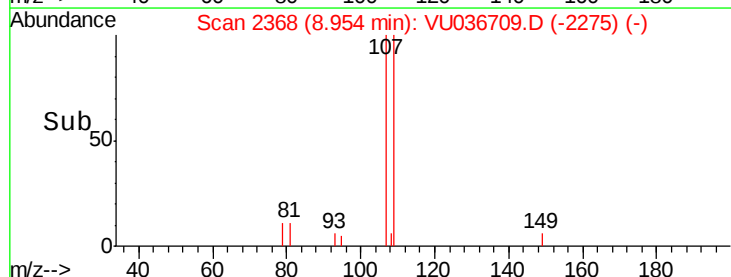
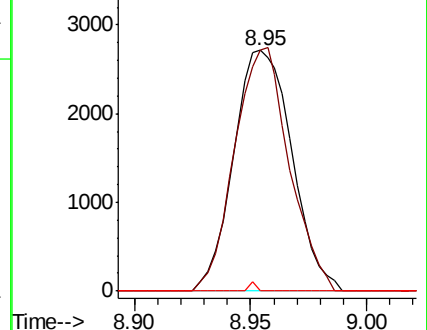
188 0.0 2.5 3.7#

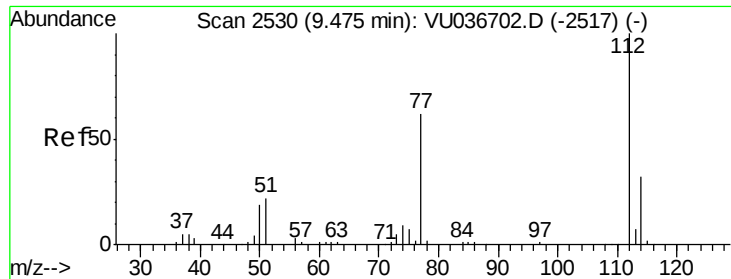


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

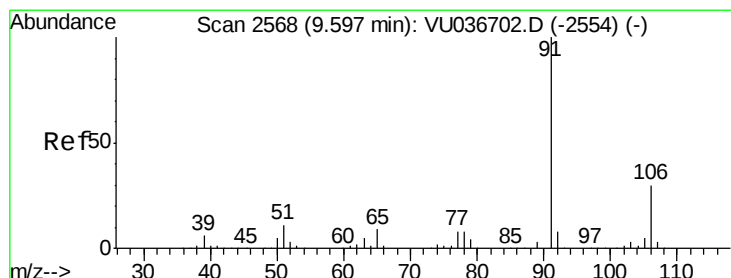
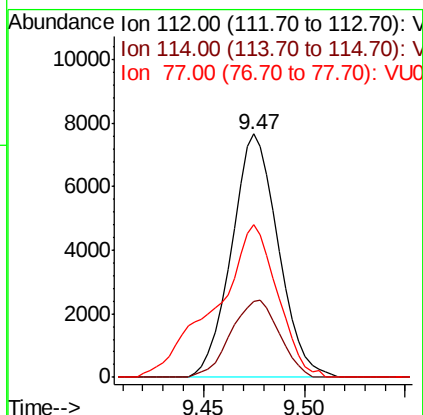
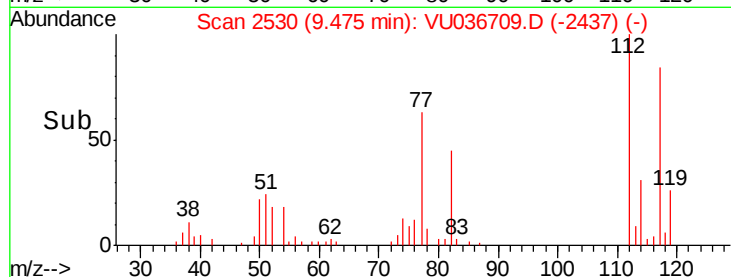
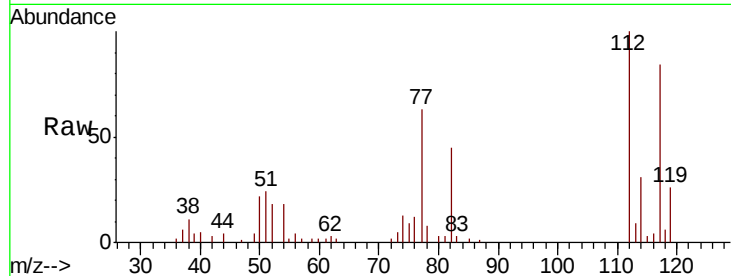




#51
Chlorobenzene
Concen: 2.594 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036709.D
Acq: 10 Feb 2020 13:36

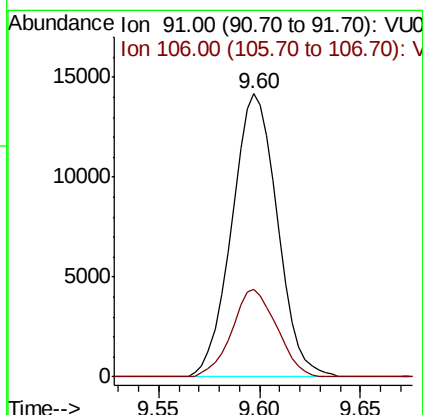
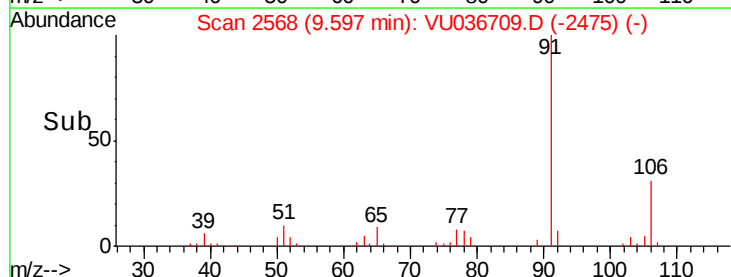
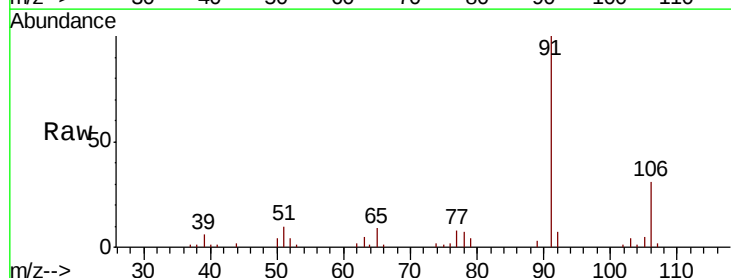
Instrument :
MSVOA_U
ClientSampled :

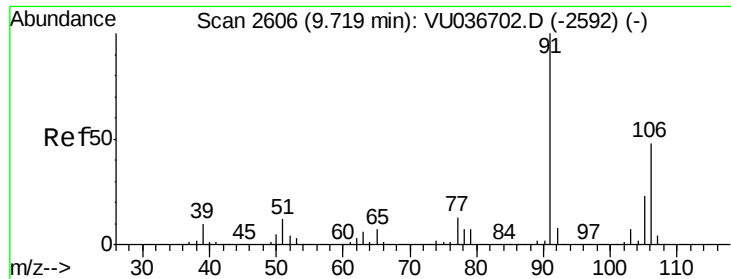
Tot Ion:112 Resp: 12393
Ion Ratio Lower Upper
112 100
114 31.2 22.7 42.1
77 62.8 50.6 75.8



#52
Ethylbenzene
Concen: 2.570 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU036709.D
Acq: 10 Feb 2020 13:36

Tgt Ion: 91 Resp: 22402
Ion Ratio Lower Upper
91 100
106 31.1 21.3 39.6





#53

m,p-Xylene

Concen: 2.536 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

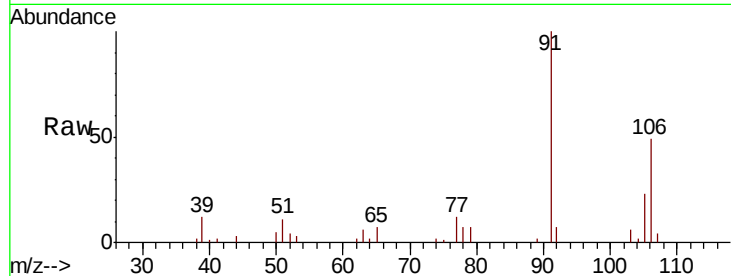
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 8155

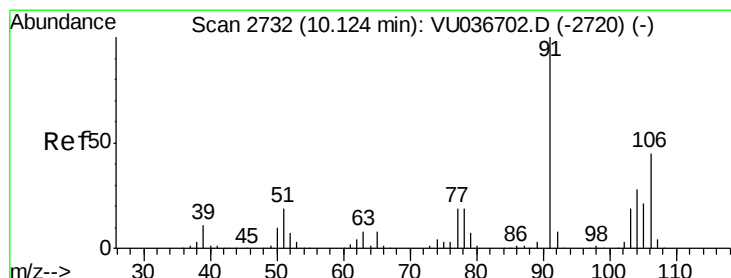
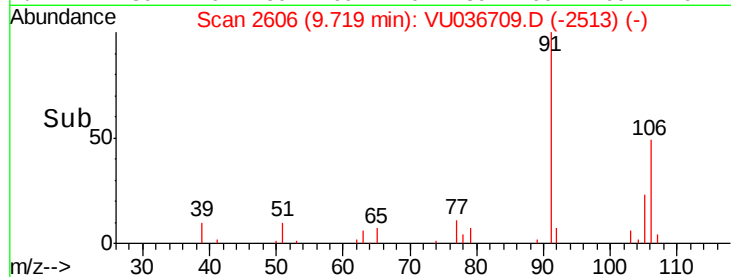
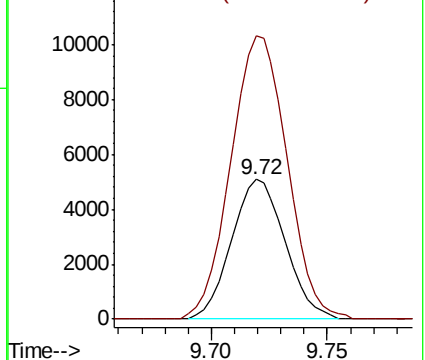
Ion Ratio Lower Upper

106 100

91 202.3 145.9 270.9



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



#54

o-xylene

Concen: 2.439 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU036709.D

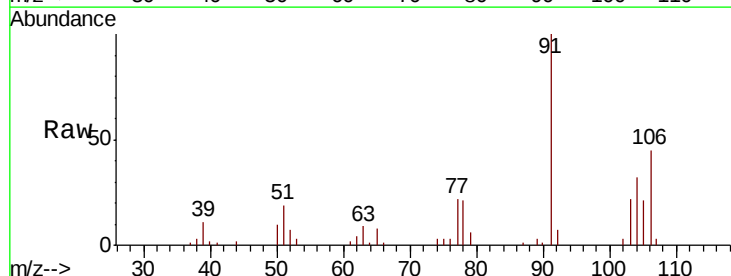
Acq: 10 Feb 2020 13:36

Tgt Ion:106 Resp: 7769

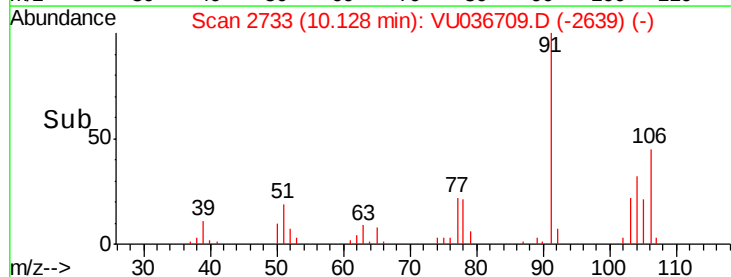
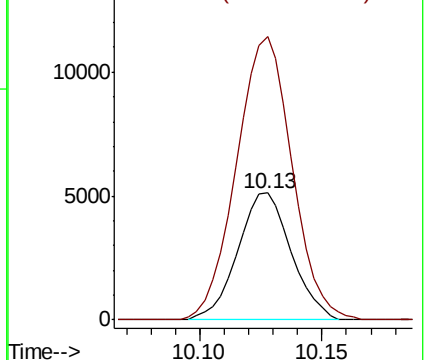
Ion Ratio Lower Upper

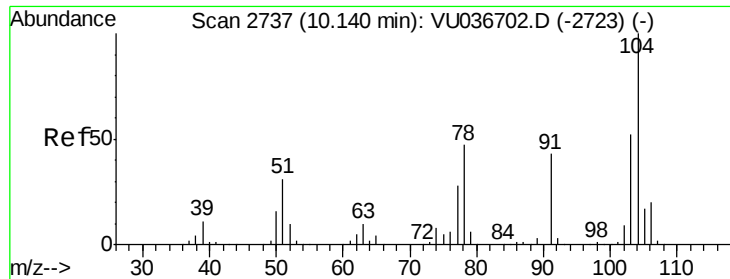
106 100

91 222.8 156.0 289.6



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





#55

Stvrene

Concen: 2.332 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Instrument :

MSVOA_U

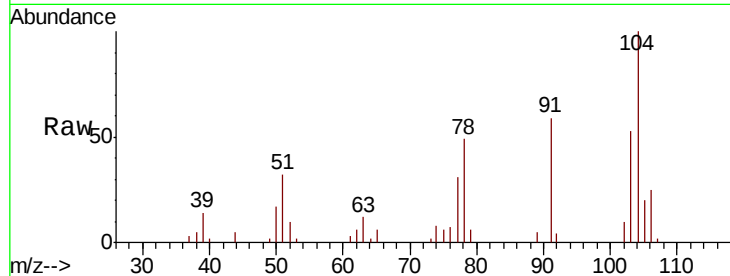
ClientSampled :

Tot Ion:104 Resp: 12382

Ion Ratio Lower Upper

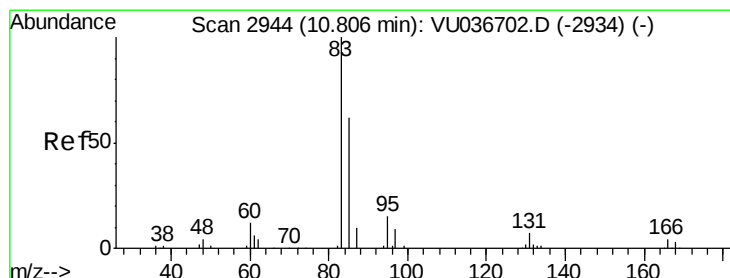
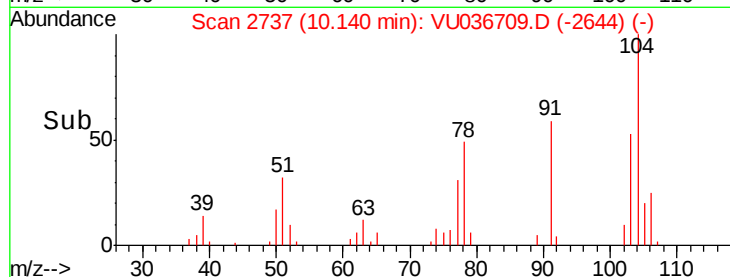
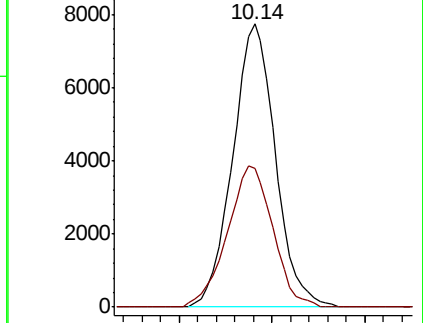
104 100

78 49.1 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: 2.584 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

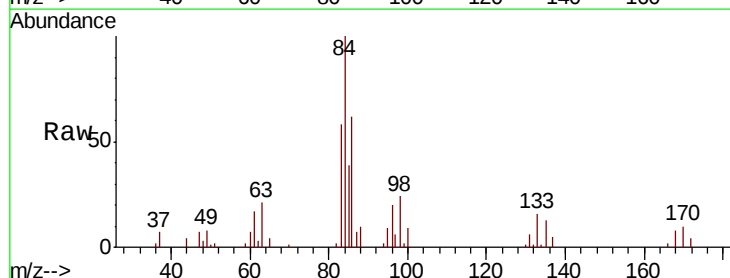
Tgt Ion: 83 Resp: 8410

Ion Ratio Lower Upper

83 100

85 66.0 44.7 82.9

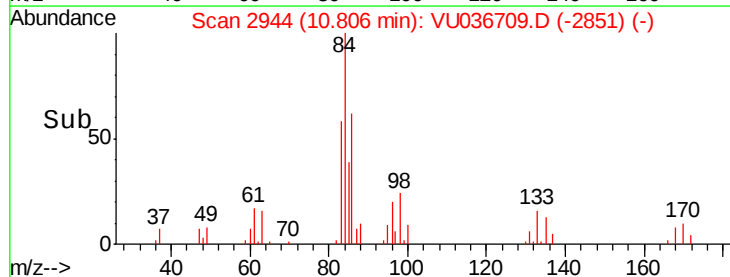
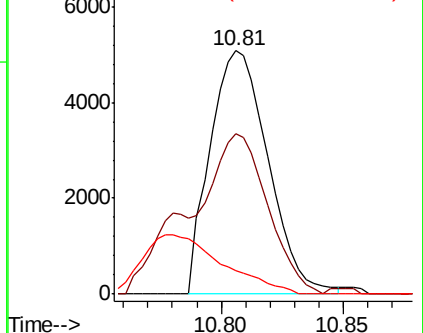
131 9.7 6.8 10.2

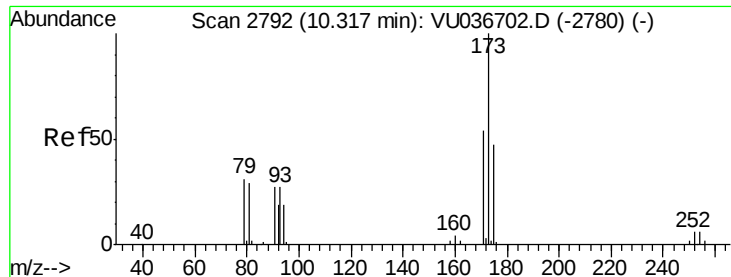


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

Bromoform

Concen: 2.509 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Instrument :

MSVOA_U

ClientSampleId :

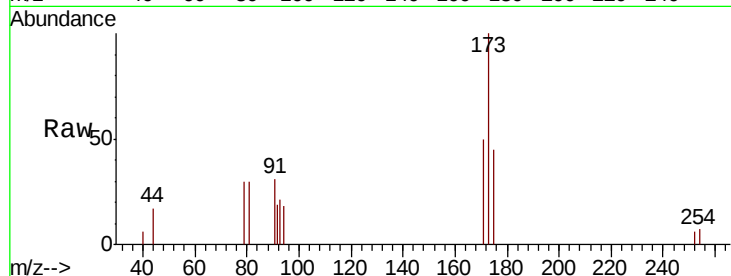
Tot Ion:173 Resp: 2886

Ion Ratio Lower Upper

173 100

175 44.4 38.2 57.4

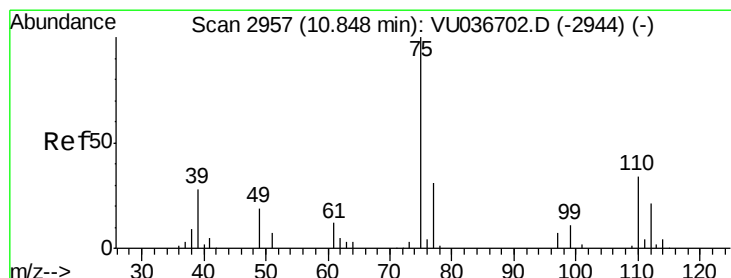
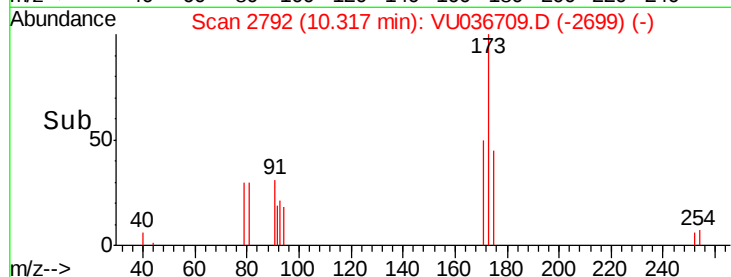
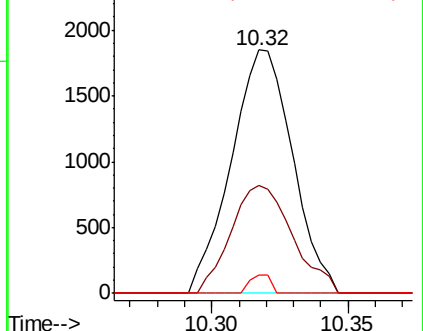
254 2.5 4.8 7.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

1,2,3-Trichloropropane

Concen: 2.719 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

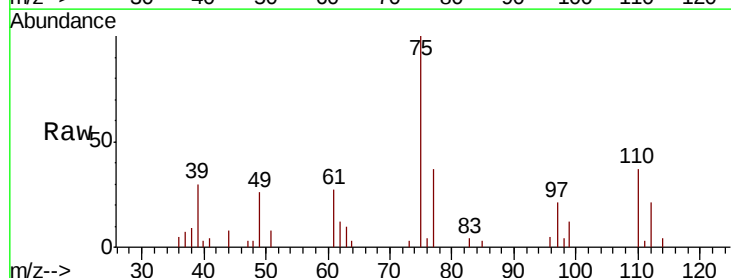
Tgt Ion: 75 Resp: 6660

Ion Ratio Lower Upper

75 100

77 32.8 26.1 39.1

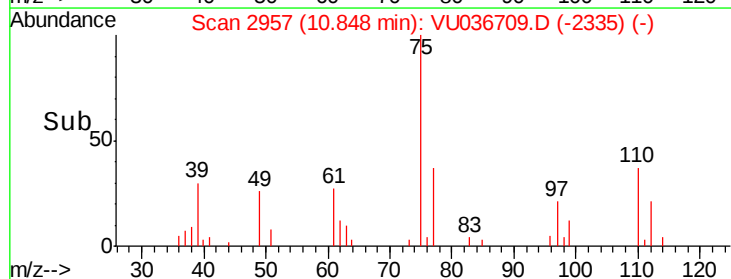
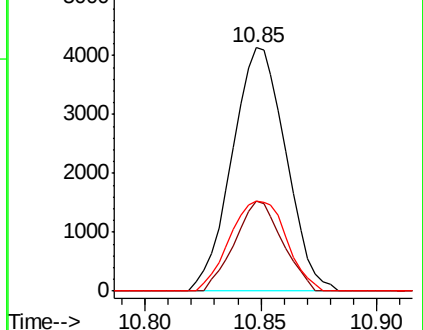
110 38.9 26.9 40.3

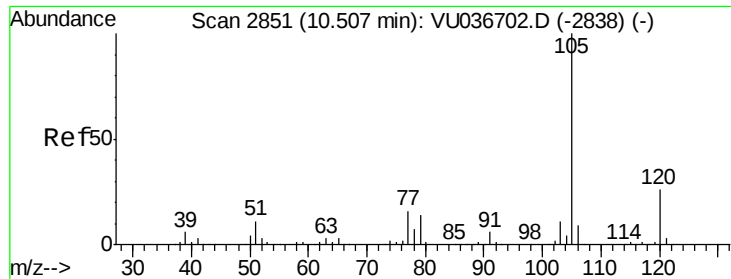


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V





#61

Isopropylbenzene

Concen: 2.603 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Instrument :

MSVOA_U

ClientSampleId :

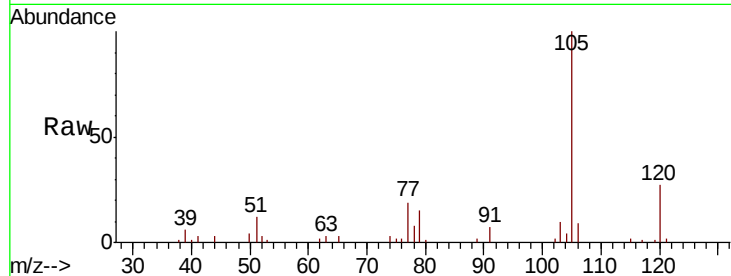
Tot Ion:105 Resp: 20187

Ion Ratio Lower Upper

105 100

120 26.4 20.2 30.4

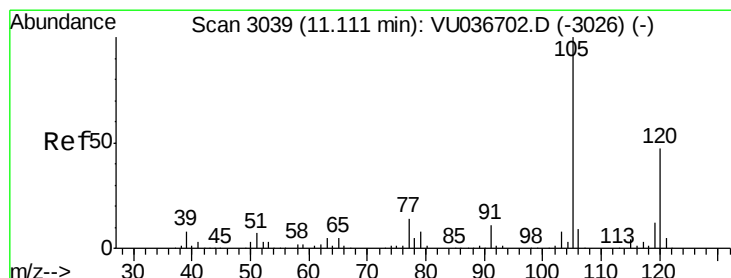
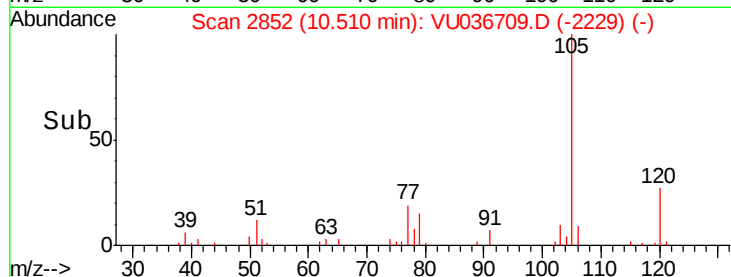
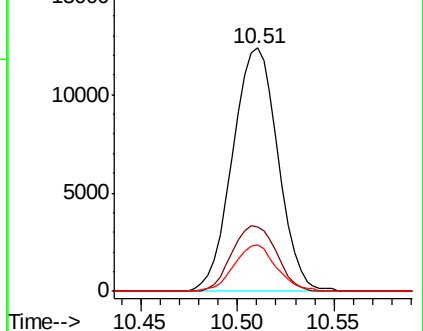
77 17.9 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#62

1,3,5-Trimethylbenzene

Concen: 2.540 ug/L

RT: 11.11 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VU036709.D

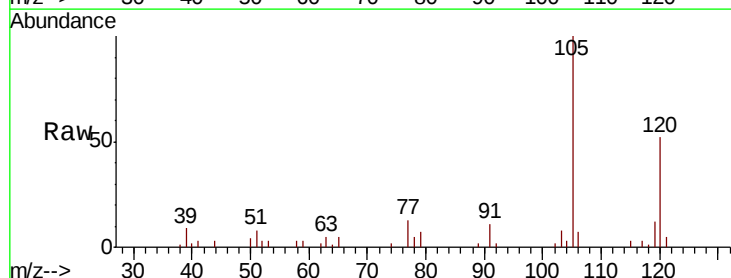
Acq: 10 Feb 2020 13:36

Tgt Ion:105 Resp: 16887

Ion Ratio Lower Upper

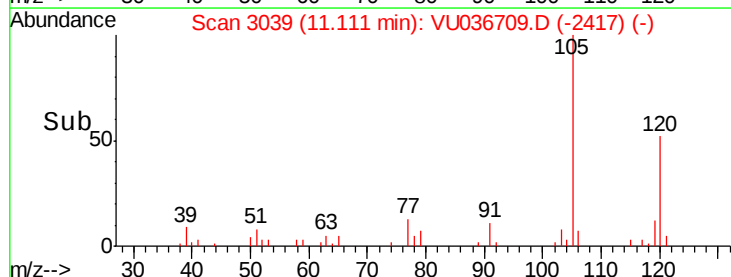
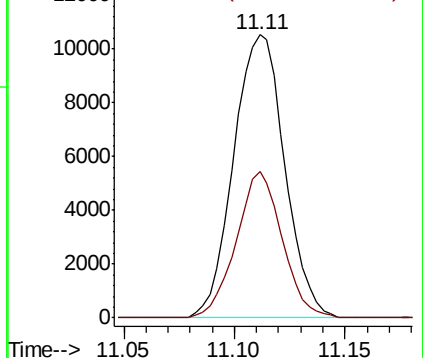
105 100

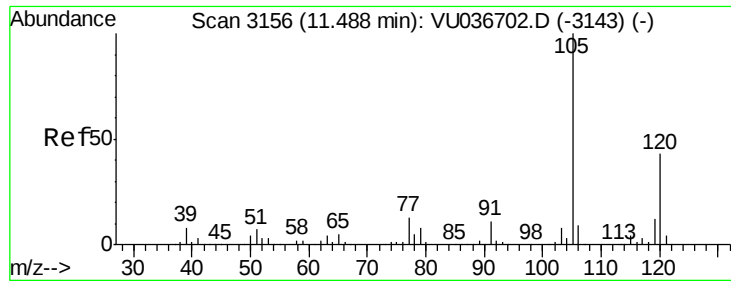
120 46.7 37.1 55.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

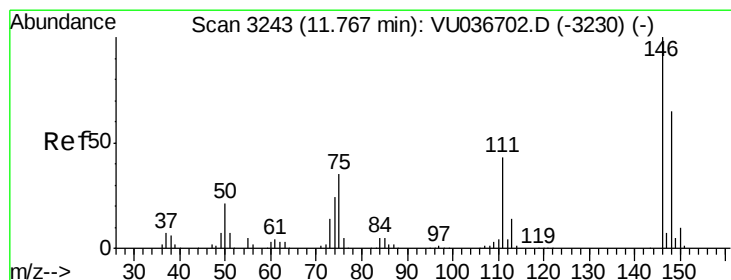
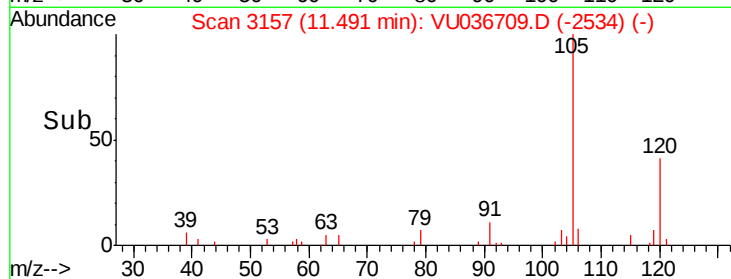
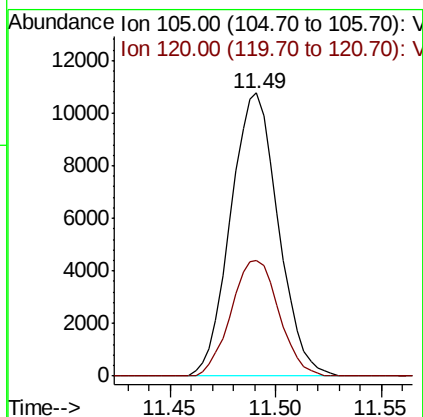
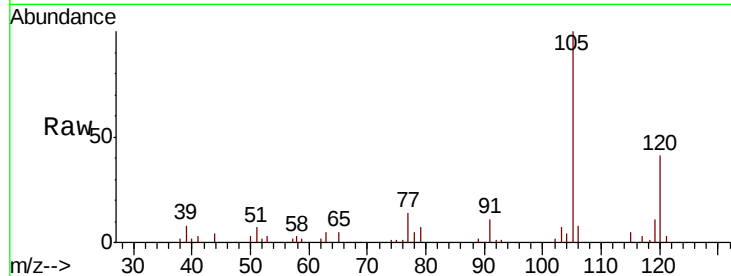




#63
 1,2,4-Trimethylbenzene
 Concen: 2.545 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

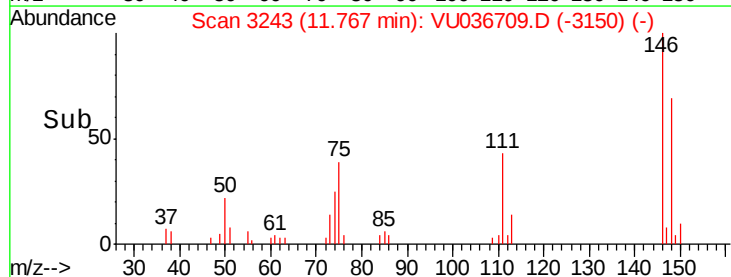
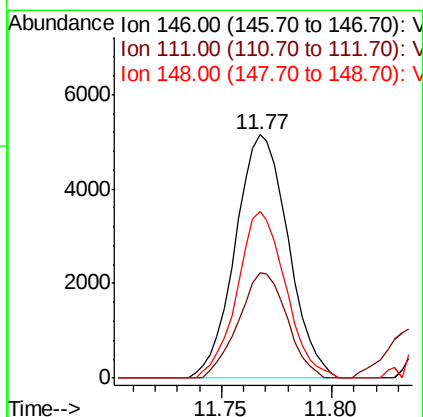
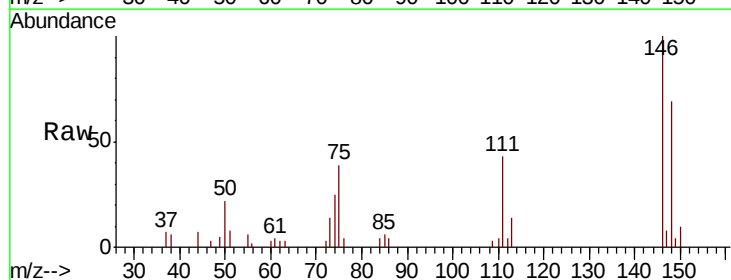
Instrument :
 MSVOA_U
 ClientSampleId :

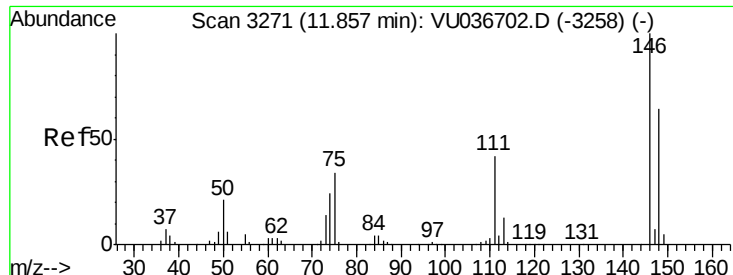
Tot Ion:105 Resp: 16892
 Ion Ratio Lower Upper
 105 100
 120 41.0 34.7 52.1



#64
 1,3-Dichlorobenzene
 Concen: 2.636 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

Tgt Ion:146 Resp: 8594
 Ion Ratio Lower Upper
 146 100
 111 43.3 30.4 56.4
 148 68.7 44.5 82.7





#65

1,4-Dichlorobenzene

Concen: 2.687 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Instrument :

MSVOA_U

ClientSampleId :

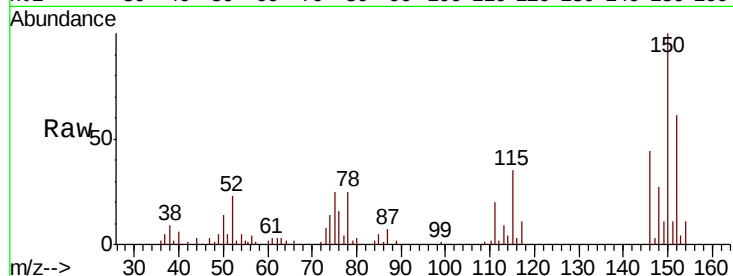
Tot Ion:146 Resp: 8822

Ion Ratio Lower Upper

146 100

111 46.6 29.3 54.3

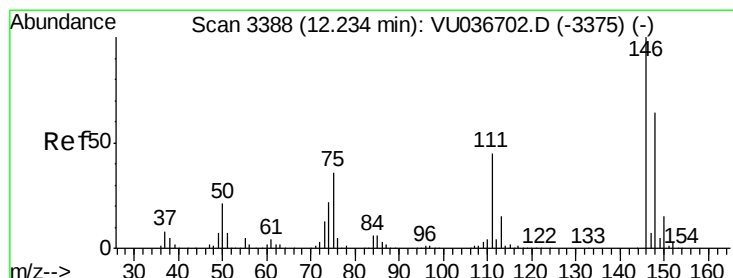
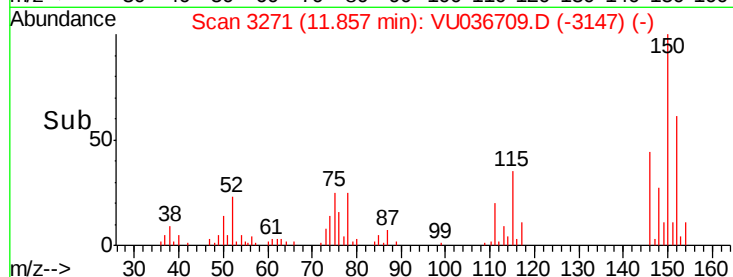
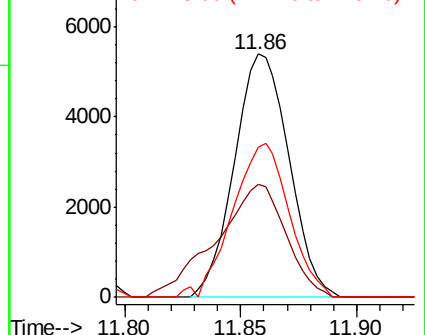
148 61.5 44.8 83.2



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: 2.747 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

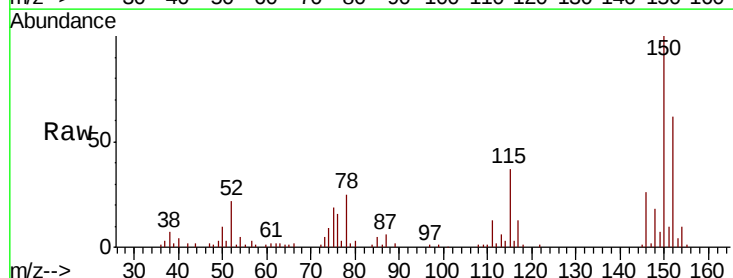
Tgt Ion:146 Resp: 9069

Ion Ratio Lower Upper

146 100

111 47.9 35.4 53.0

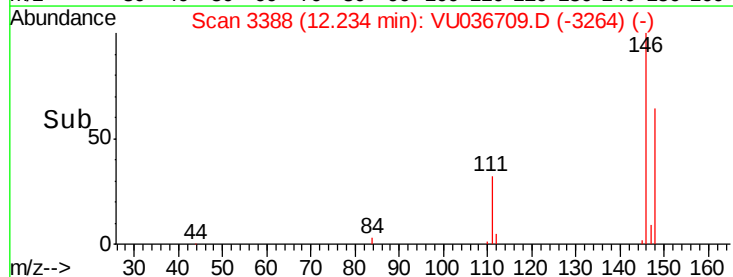
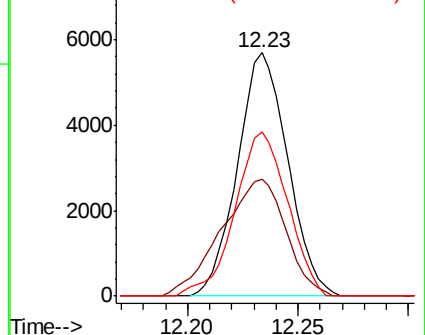
148 67.7 50.4 75.6

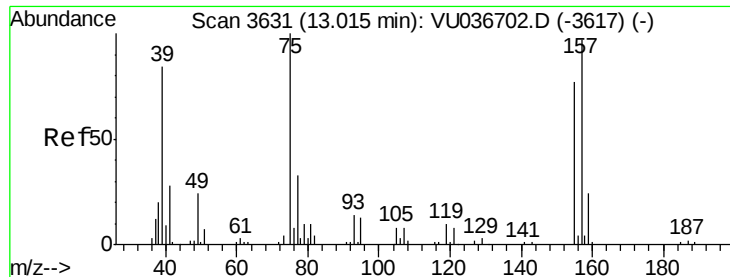


Abundance Ion 146.00 (145.70 to 146.70): V

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: 2.329 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Instrument :

MSVOA_U

ClientSampleId :

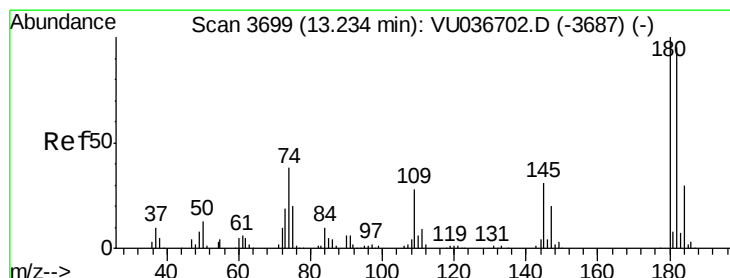
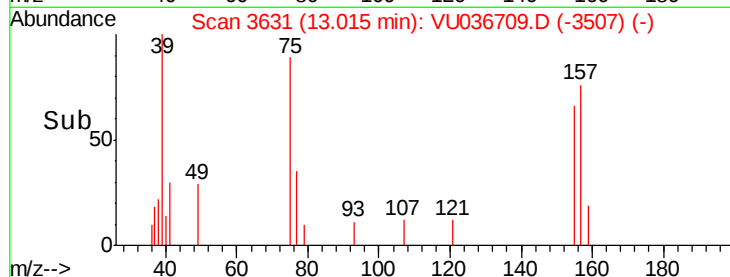
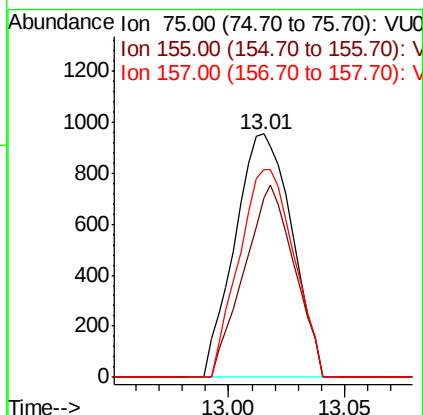
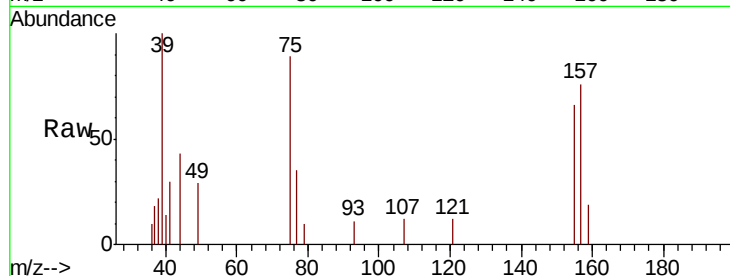
Tot Ion: 75 Resp: 1630

Ion Ratio Lower Upper

75 100

155 74.0 58.7 88.1

157 85.4 77.8 116.6



#69

1,3,5-Trichlorobenzene

Concen: 2.295 ug/L

RT: 13.23 min Scan# 3699

Delta R.T. -0.00 min

Lab File: VU036709.D

Acq: 10 Feb 2020 13:36

Tgt Ion: 180 Resp: 5189

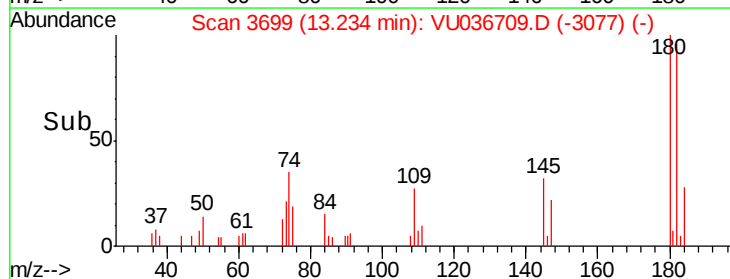
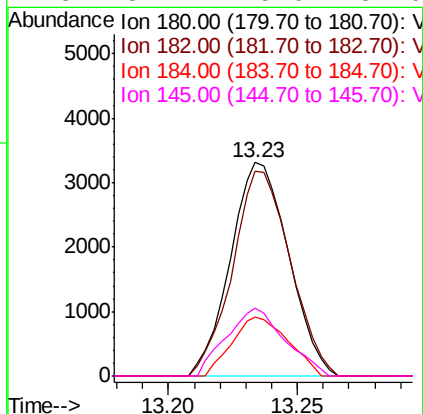
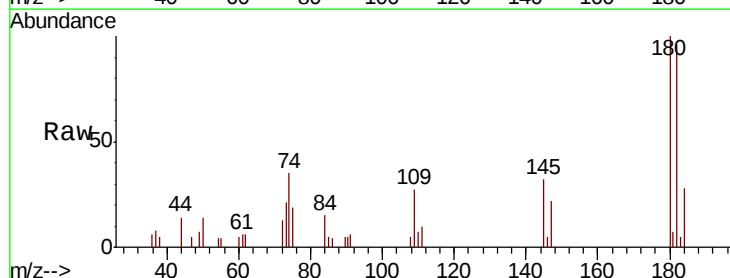
Ion Ratio Lower Upper

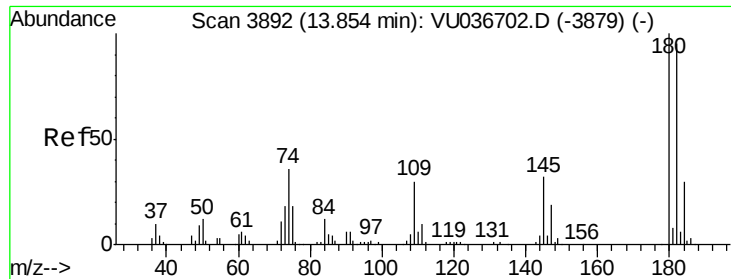
180 100

182 95.3 76.2 114.4

184 26.6 23.8 35.6

145 32.1 25.0 37.6

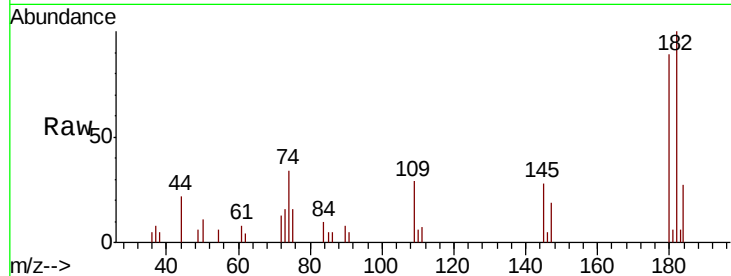




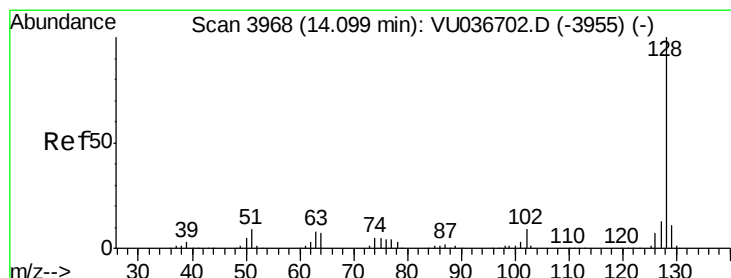
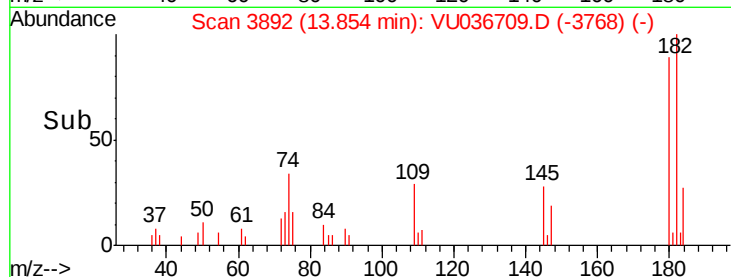
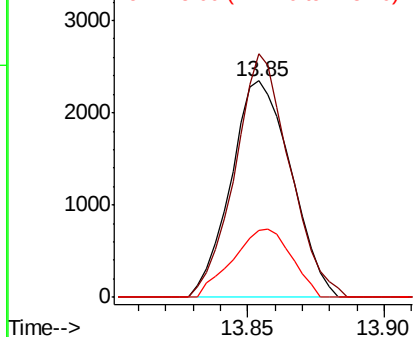
#70
 1,2,4-trichlorobenzene
 Concen: 1.905 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 3591
 Ion Ratio Lower Upper
 180 100
 182 102.1 76.1 114.1
 145 30.7 25.7 38.5

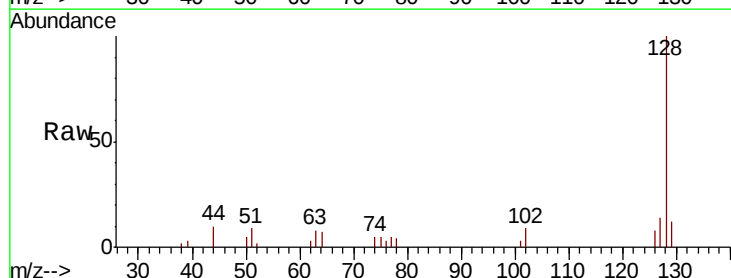


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

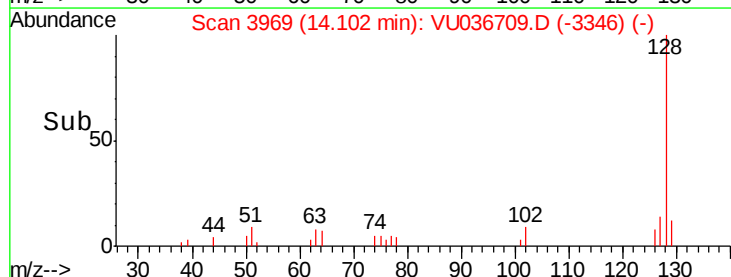
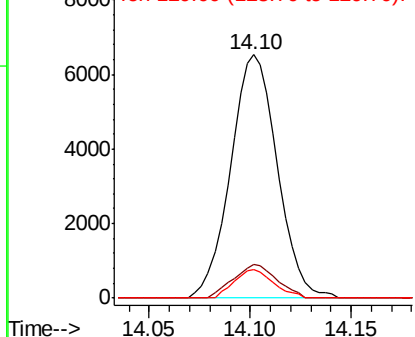


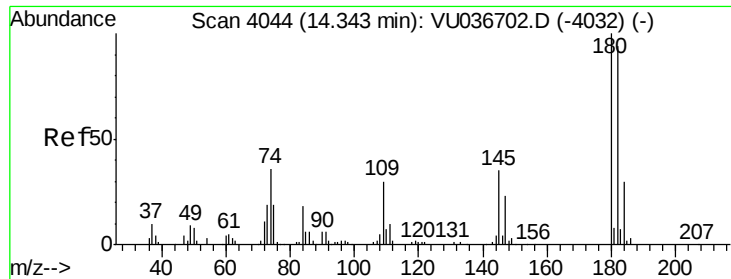
#71
 Naphthalene
 Concen: 1.590 ug/L
 RT: 14.10 min Scan# 3969
 Delta R.T. 0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

Tgt Ion:128 Resp: 10567
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.6 16.0
 129 10.0 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

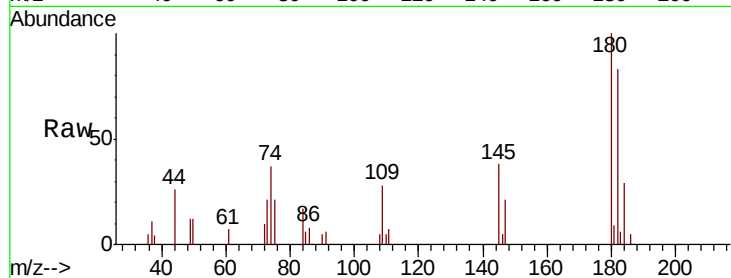




#72
 1,2,3-Trichlorobenzene
 Concen: 2.009 ug/L
 RT: 14.34 min Scan# 4044
 Delta R.T. -0.00 min
 Lab File: VU036709.D
 Acq: 10 Feb 2020 13:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 3774
 Ion Ratio Lower Upper
 180 100
 182 83.7 76.8 115.2
 145 33.0 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

