

Data File : VU036700.D
Acq On : 07 Feb 2020 14:07
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

Quant Time: Feb 07 22:41:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 22:36:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	262823	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	248827	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	115630	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	76738	43.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.56%
7) Chloroethane-d5	1.93	69	74406	45.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.56%
11) 1,1-Dichloroethene-d2	2.59	63	153363	46.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.68%
21) 2-Butanone-d5	4.67	46	125215	83.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.73%
24) Chloroform-d	5.11	84	149845	47.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.48%
26) 1,2-Dichloroethane-d4	5.75	65	102938	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
32) Benzene-d6	5.77	84	312829	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.64%
36) 1,2-Dichloropropane-d6	6.73	67	104648	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.38%
41) Toluene-d8	7.93	98	286886	47.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.78%
43) trans-1,3-Dichloropropene-	8.21	79	50354	48.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.86%
47) 2-Hexanone-d5	8.66	63	119032	96.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.04%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	156172	48.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.60%
66) 1,2-Dichlorobenzene-d4	12.21	152	100692	47.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.86%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	87985	48.454	ug/L	99
3) Chloromethane	1.54	50	101763	47.291	ug/L	99
5) Vinyl chloride	1.62	62	113858	49.141	ug/L	99
6) Bromomethane	1.87	94	68595	47.217	ug/L	98
8) Chloroethane	1.95	64	70984	48.272	ug/L	98
9) Trichlorofluoromethane	2.16	101	132760	48.220	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	81174	49.223	ug/L	99
12) 1,1-Dichloroethene	2.60	96	78472	48.878	ug/L	96
13) Acetone	2.66	43	143723	90.474	ug/L	100
14) Carbon disulfide	2.82	76	230082	47.957	ug/L	99
15) Methyl Acetate	2.98	43	110119	47.950	ug/L	99
16) Methylene chloride	3.08	84	97145	49.024	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	83614	48.948	ug/L	98
18) Methyl tert-butyl Ether	3.41	73	288469	48.657	ug/L	99
19) 1,1-Dichloroethane	3.91	63	166786	49.003	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	96628	49.645	ug/L	99
22) 2-Butanone	4.75	43	174024	92.302	ug/L	99

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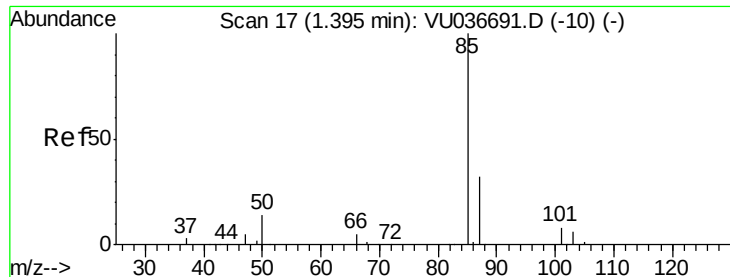
Quant Time: Feb 07 22:41:07 2020
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 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 22:36:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	44522	48.814	ug/L	99
25) Chloroform	5.13	83	167655	50.649	ug/L	99
27) 1,2-Dichloroethane	5.84	62	134440	48.295	ug/L	100
29) Cyclohexane	5.43	56	153679	48.081	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	129932	49.157	ug/L	99
31) Carbon tetrachloride	5.56	117	104803	48.969	ug/L	99
33) Benzene	5.81	78	369998	49.162	ug/L	100
34) Trichloroethene	6.58	95	92079	49.475	ug/L	97
35) Methylcyclohexane	6.80	83	161106	49.154	ug/L	100
37) 1,2-Dichloropropane	6.83	63	100675	49.607	ug/L	99
38) Bromodichloromethane	7.14	83	120173	48.728	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	155980	48.103	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	304336	94.914	ug/L	99
42) Toluene	8.00	91	405064	49.808	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	141752	50.040	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	90452	48.856	ug/L	98
46) Tetrachloroethene	8.58	164	62039	47.503	ug/L	97
48) 2-Hexanone	8.72	43	248866	95.145	ug/L	99
49) Dibromochloromethane	8.84	129	88237	48.727	ug/L	99
50) 1,2-Dibromoethane	8.95	107	94665	48.671	ug/L	100
51) Chlorobenzene	9.47	112	237257	48.450	ug/L	100
52) Ethylbenzene	9.60	91	440657	49.313	ug/L	100
53) m,p-Xylene	9.72	106	162790	49.383	ug/L	99
54) o-xylene	10.12	106	159748	48.918	ug/L	98
55) Styrene	10.14	104	271015	49.796	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.81	83	162930	48.838	ug/L	99
59) Bromoform	10.32	173	60546	47.394	ug/L	100
60) 1,2,3-Trichloropropane	10.85	75	128082	47.090	ug/L	99
61) Isopropylbenzene	10.51	105	424503	49.303	ug/L	100
62) 1,3,5-Trimethylbenzene	11.11	105	365078	49.456	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	360235	48.871	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	177172	48.931	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	176171	48.327	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	176456	48.132	ug/L	100
68) 1,2-Dibromo-3-chloropropan	13.01	75	35869	46.146	ug/L	95
69) 1,3,5-Trichlorobenzene	13.23	180	123406	49.149	ug/L	100
70) 1,2,4-trichlorobenzene	13.85	180	102149	48.789	ug/L	100
71) Naphthalene	14.10	128	362990	49.185	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	100712	48.283	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 48.454 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

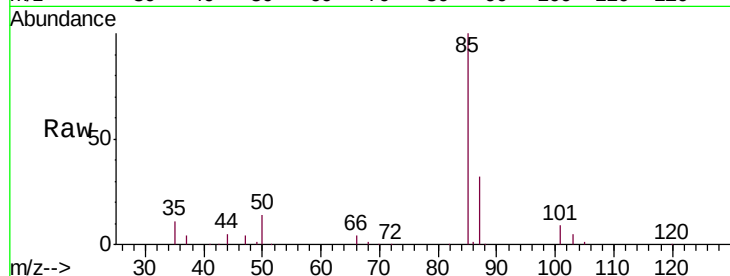
VSTD050109

Tgt Ion: 85 Resp: 87985

Ion Ratio Lower Upper

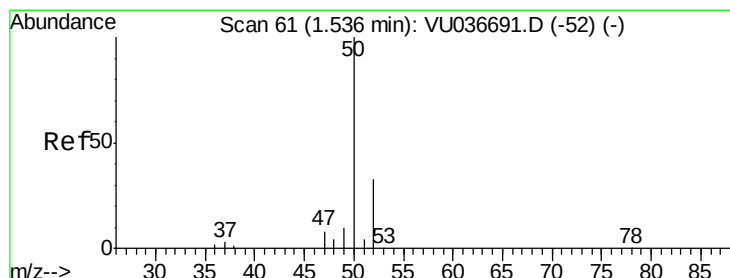
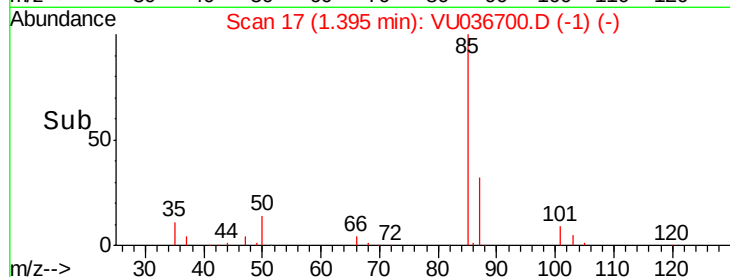
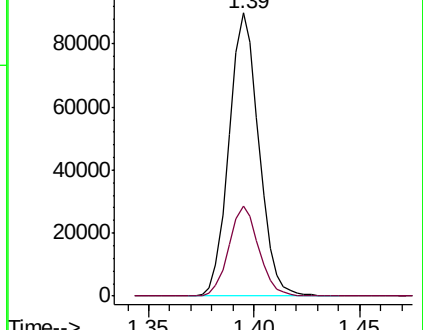
85 100

87 31.7 25.9 38.9



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

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



#3

Chloromethane

Concen: 47.291 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036700.D

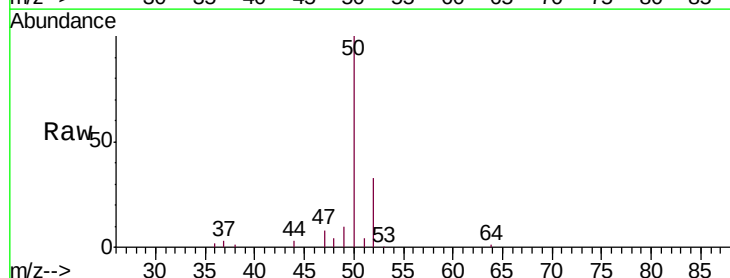
Acq: 07 Feb 2020 14:07

Tgt Ion: 50 Resp: 101763

Ion Ratio Lower Upper

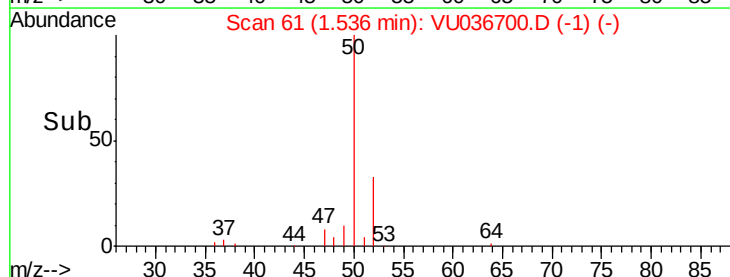
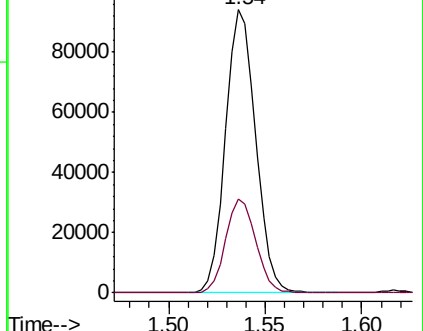
50 100

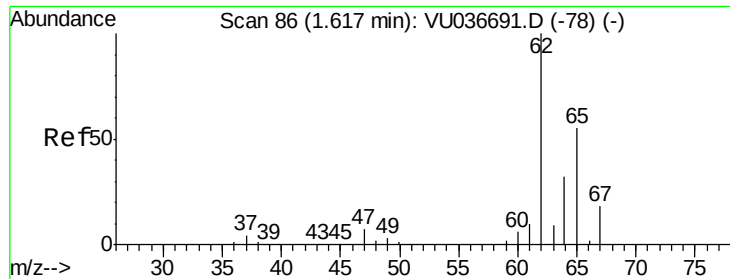
52 33.0 22.9 42.5



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

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





#5

Vinyl chloride

Concen: 49.141 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

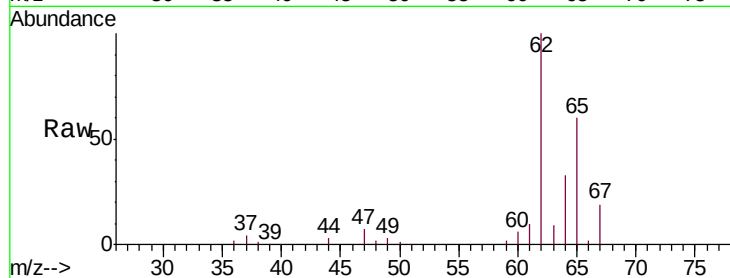
VSTD050109

Tgt Ion: 62 Resp: 113858

Ion Ratio Lower Upper

62 100

64 33.2 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU036691.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036691.D (-78) (-)

1.62

100000

80000

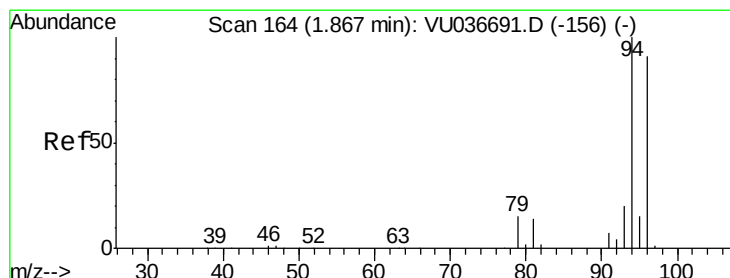
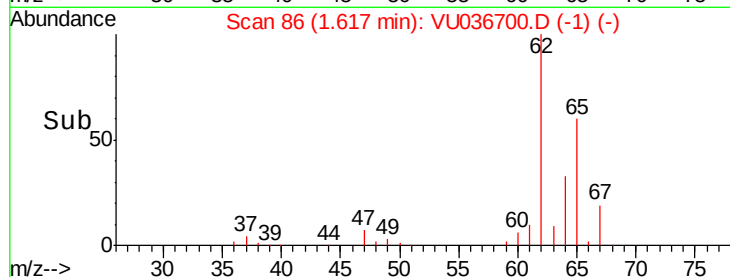
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 47.217 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU036700.D

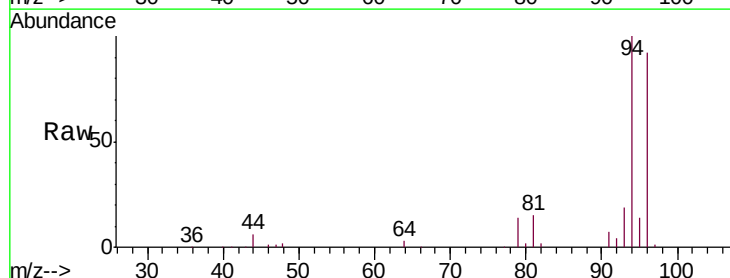
Acq: 07 Feb 2020 14:07

Tgt Ion: 94 Resp: 68595

Ion Ratio Lower Upper

94 100

96 92.4 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU036691.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036691.D (-156) (-)

1.87

60000

50000

40000

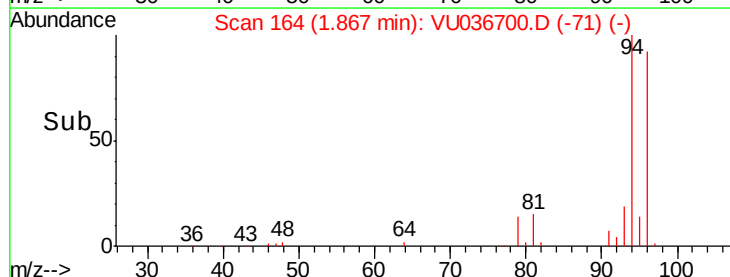
30000

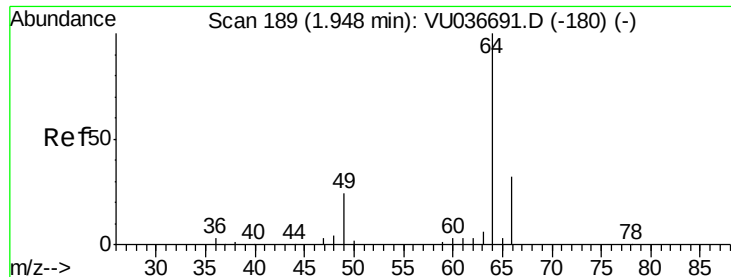
20000

10000

0

Time-->

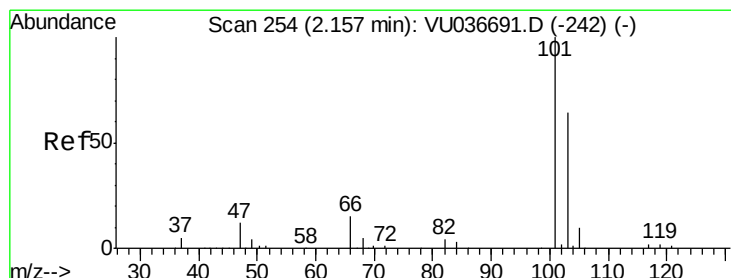
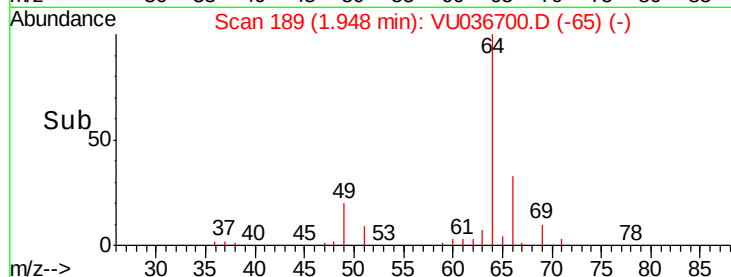
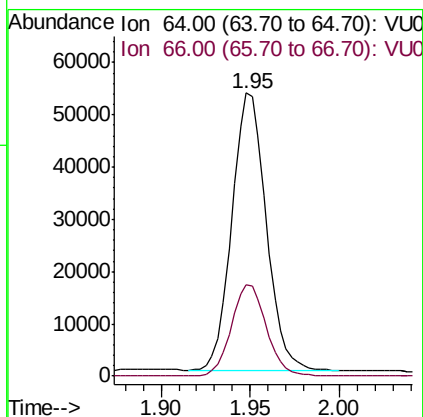
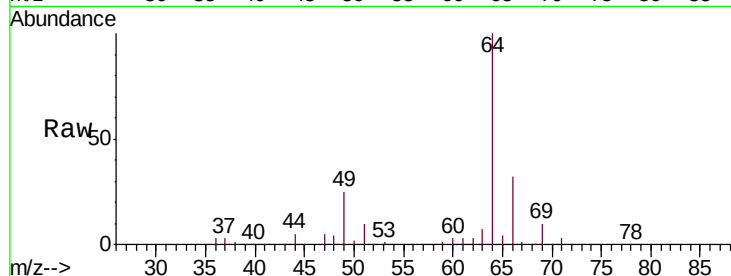




#8
 Chloroethane
 Concen: 48.272 ug/L
 RT: 1.95 min Scan# 189
 Delta R.T. -0.00 min
 Lab File: VU036700.D
 Acq: 07 Feb 2020 14:07

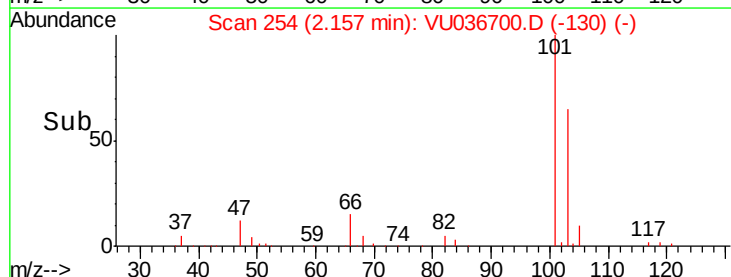
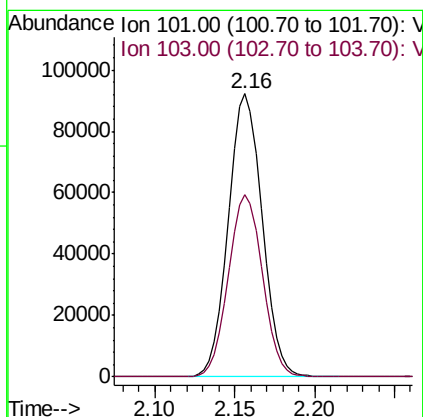
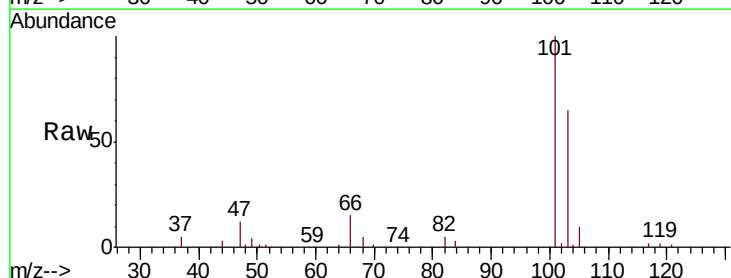
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

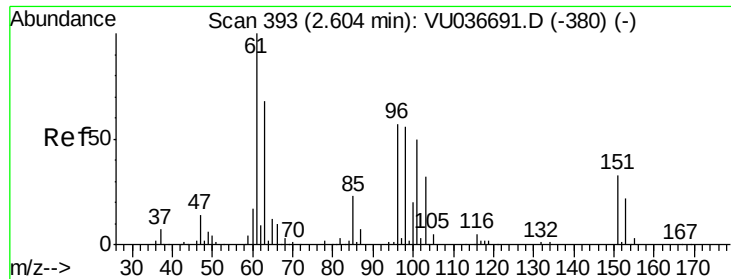
Tgt Ion: 64 Resp: 70984
 Ion Ratio Lower Upper
 64 100
 66 32.5 22.1 41.1



#9
 Trichlorofluoromethane
 Concen: 48.220 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VU036700.D
 Acq: 07 Feb 2020 14:07

Tgt Ion: 101 Resp: 132760
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.6 77.4





#10

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

Concen: 49.223 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

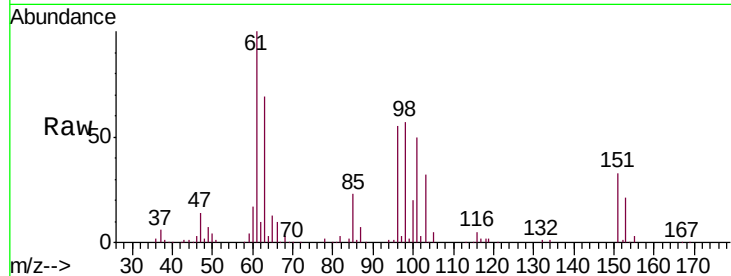
Tgt Ion:101 Resp: 81174

Ion Ratio Lower Upper

101 100

85 45.9 36.5 54.7

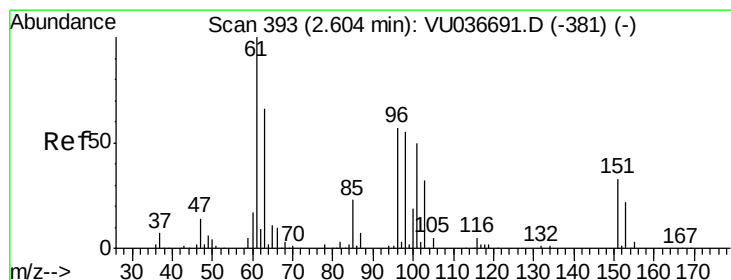
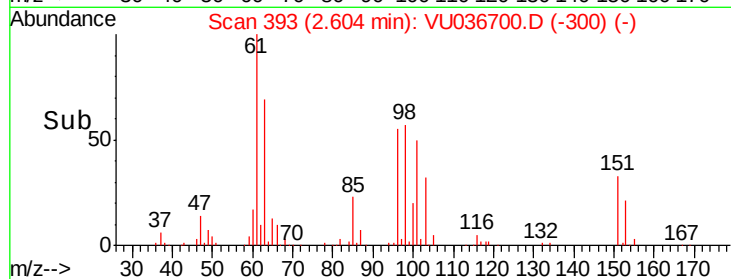
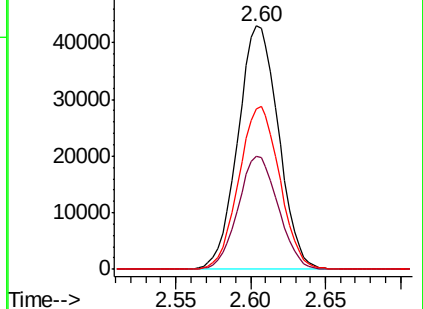
151 67.2 52.6 78.8



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: 48.878 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

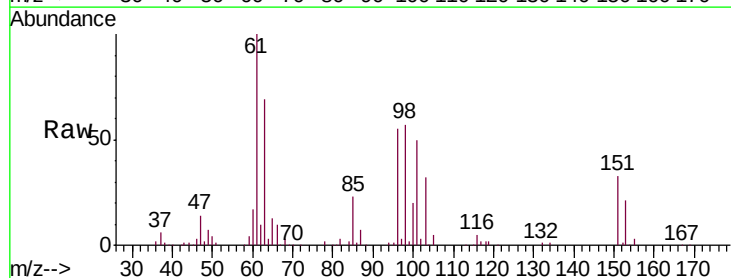
Tgt Ion: 96 Resp: 78472

Ion Ratio Lower Upper

96 100

61 182.1 124.4 231.0

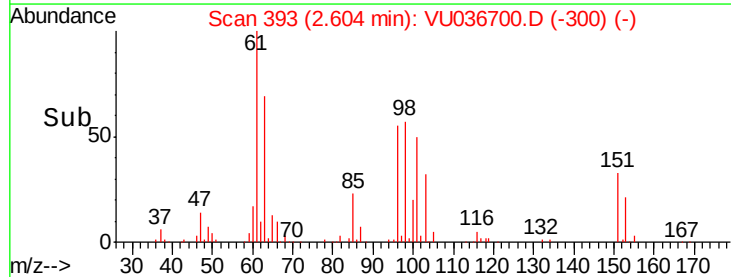
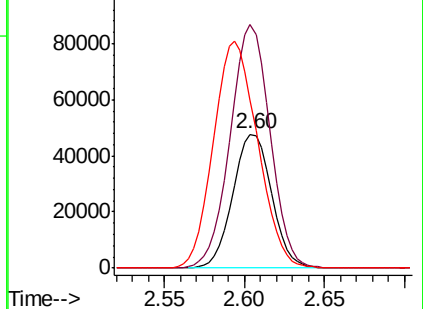
63 126.2 83.4 155.0

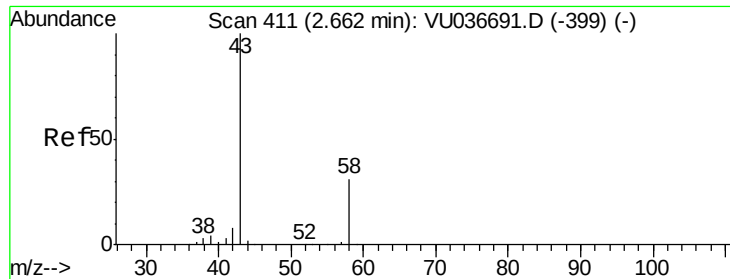


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 90.474 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

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ClientSampleId :

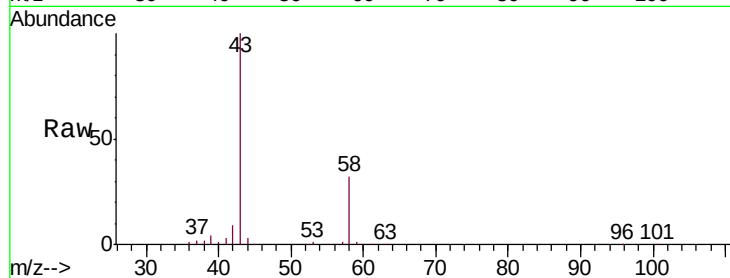
VSTD050109

Tgt Ion: 43 Resp: 143723

Ion Ratio Lower Upper

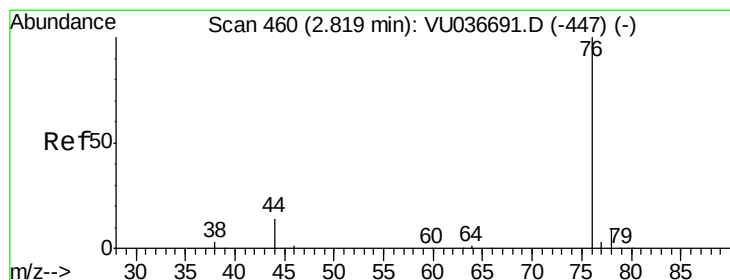
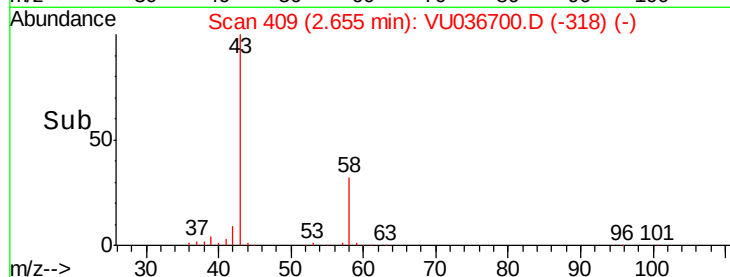
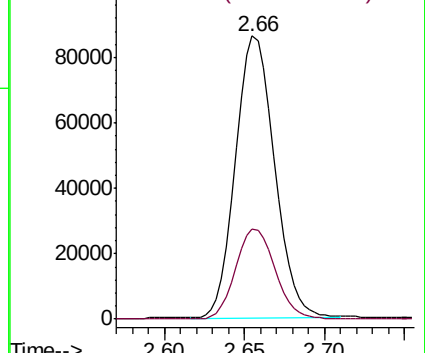
43 100

58 32.2 0.0 64.0



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

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



#14

Carbon disulfide

Concen: 47.957 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036700.D

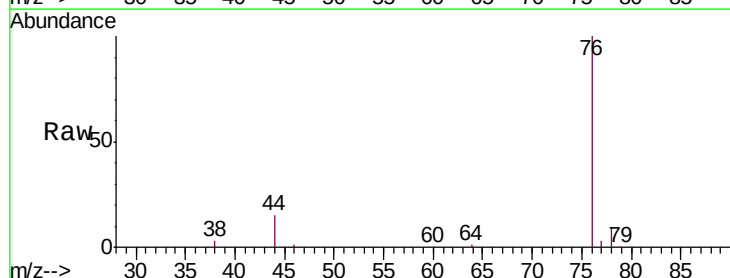
Acq: 07 Feb 2020 14:07

Tgt Ion: 76 Resp: 230082

Ion Ratio Lower Upper

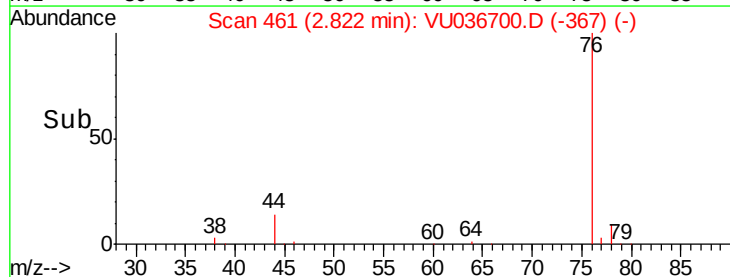
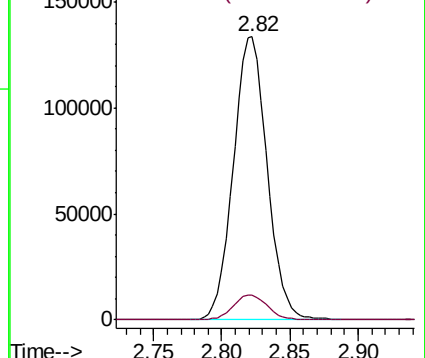
76 100

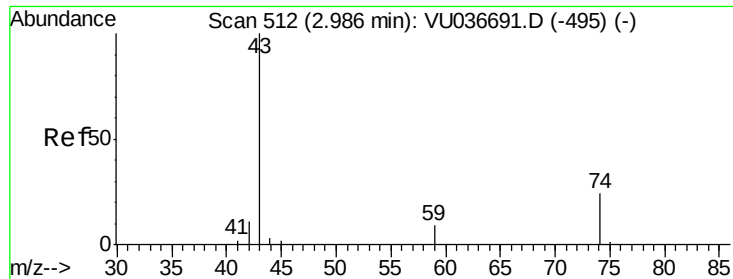
78 8.6 7.3 10.9



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

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

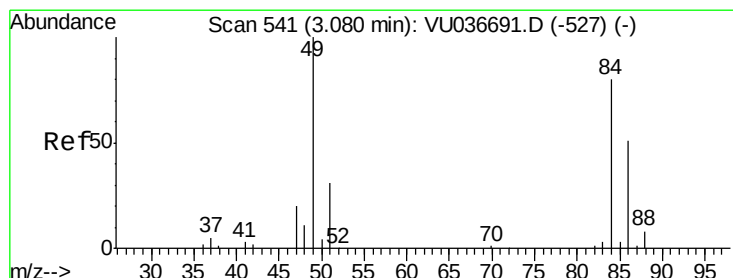
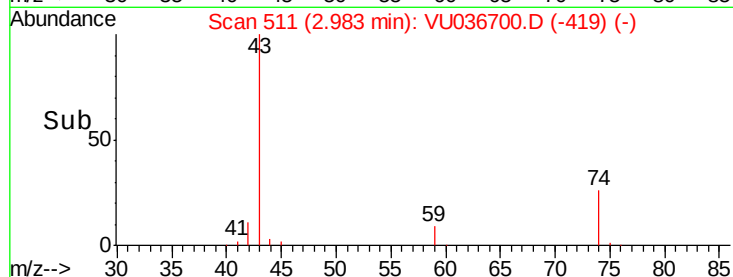
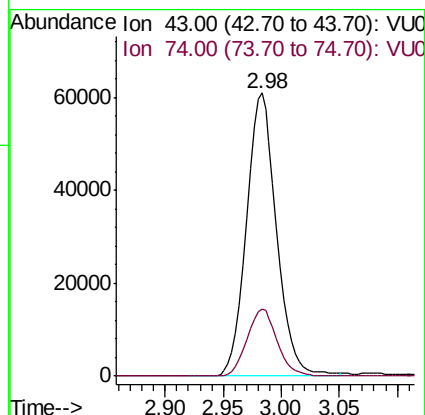
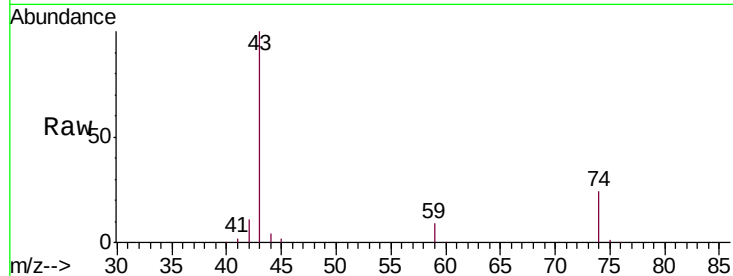




#15
Methyl Acetate
Concen: 47.950 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU036700.D
Acq: 07 Feb 2020 14:07

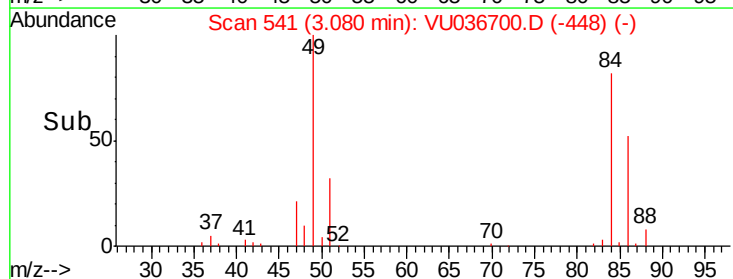
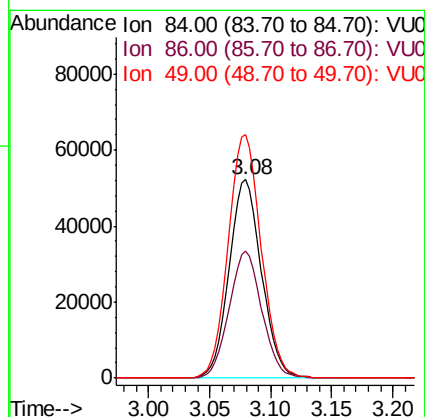
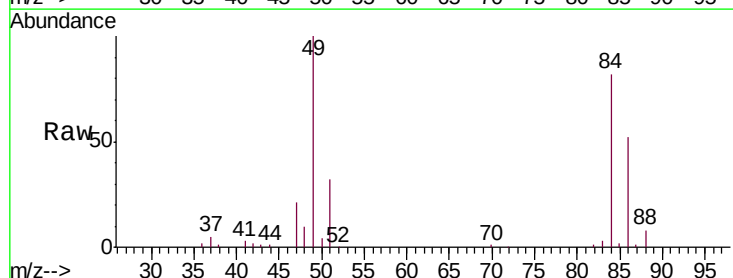
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

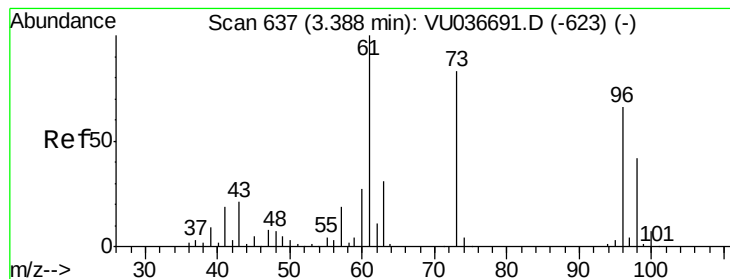
Tgt Ion: 43 Resp: 110119
Ion Ratio Lower Upper
43 100
74 23.7 18.7 28.1



#16
Methylene chloride
Concen: 49.024 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036700.D
Acq: 07 Feb 2020 14:07

Tgt Ion: 84 Resp: 97145
Ion Ratio Lower Upper
84 100
86 63.9 44.4 82.5
49 122.7 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 48.948 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

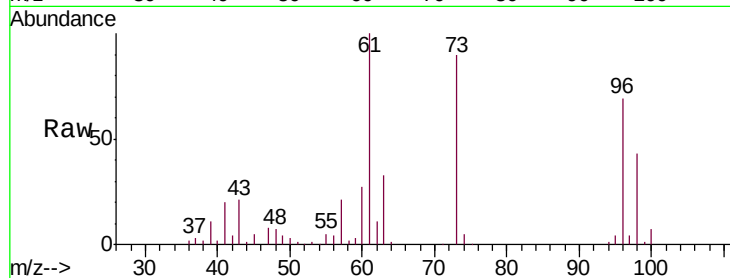
Tgt Ion: 96 Resp: 83614

Ion Ratio Lower Upper

96 100

61 145.0 103.4 192.0

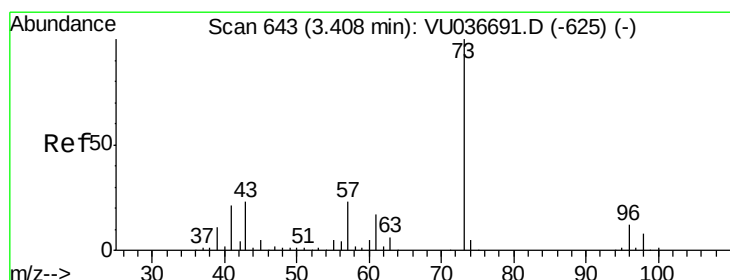
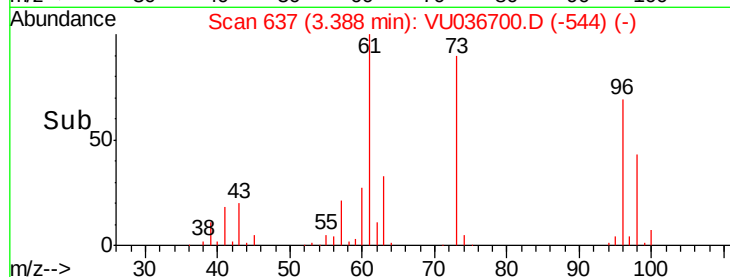
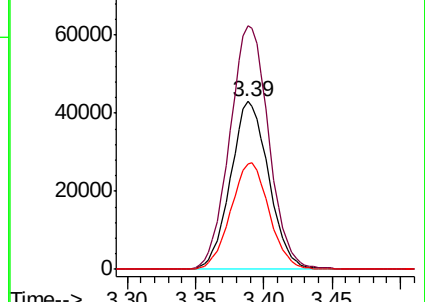
98 63.0 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU036691.D (-623) (-)

Ion 61.00 (60.70 to 61.70): VU036691.D (-623) (-)

Ion 98.00 (97.70 to 98.70): VU036691.D (-623) (-)



#18

Methyl tert-butyl Ether

Concen: 48.657 ug/L

RT: 3.41 min Scan# 643

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

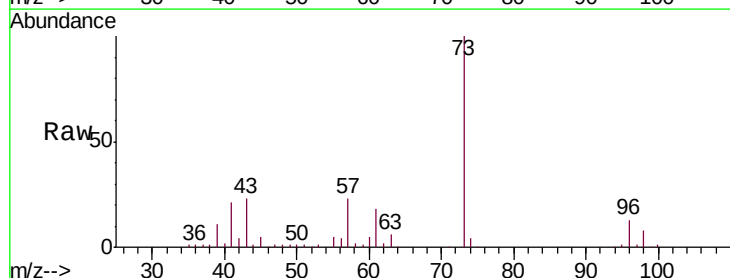
Tgt Ion: 73 Resp: 288469

Ion Ratio Lower Upper

73 100

43 22.7 18.6 28.0

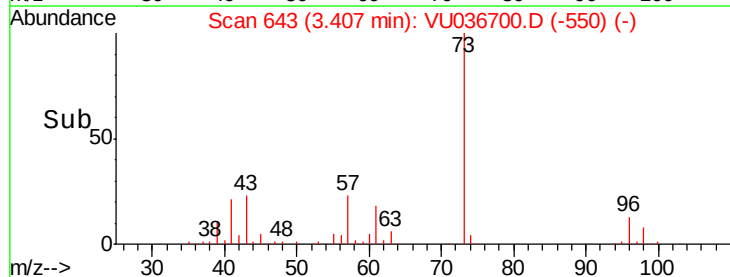
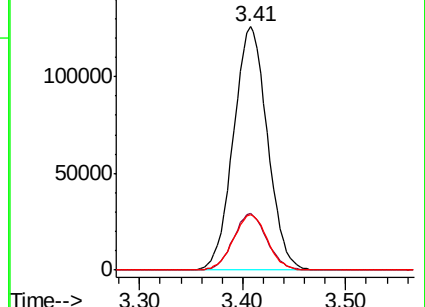
57 22.7 18.3 27.5

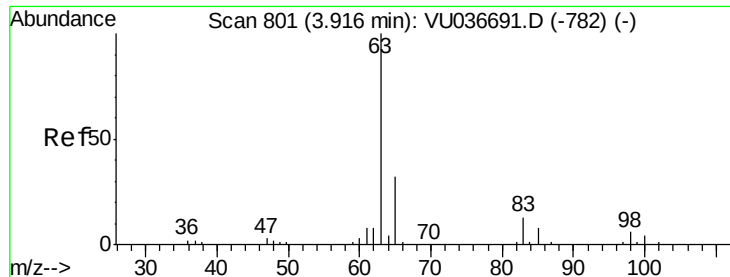


Abundance Ion 73.00 (72.70 to 73.70): VU036691.D (-625) (-)

Ion 43.00 (42.70 to 43.70): VU036691.D (-625) (-)

Ion 57.00 (56.70 to 57.70): VU036691.D (-625) (-)





#19

1,1-Dichloroethane

Concen: 49.003 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

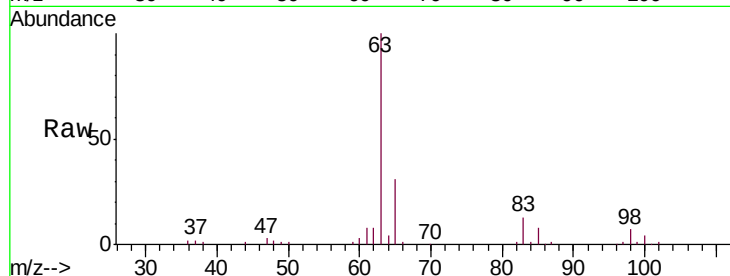
Tgt Ion: 63 Resp: 166786

Ion Ratio Lower Upper

63 100

65 30.9 22.0 40.8

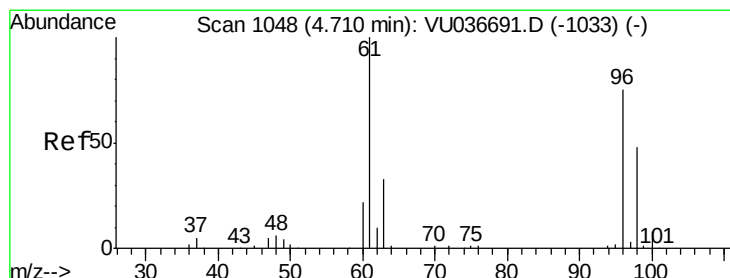
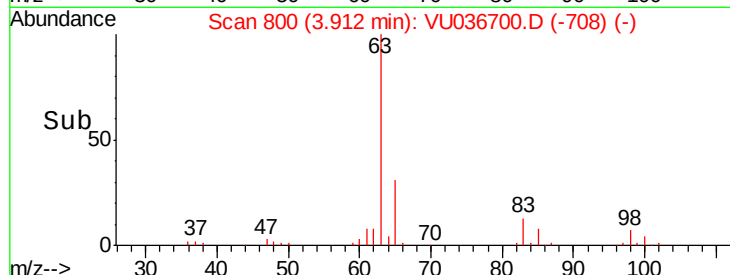
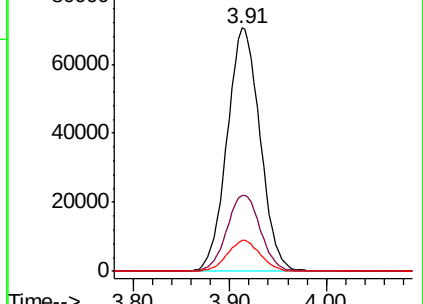
83 12.6 10.1 18.7



Abundance Ion 63.00 (62.70 to 63.70): VU036691.D (-782) (-)

Ion 65.00 (64.70 to 65.70): VU036691.D (-782) (-)

Ion 83.00 (82.70 to 83.70): VU036691.D (-782) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.645 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

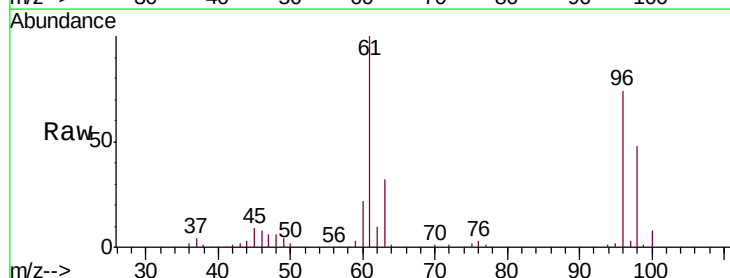
Tgt Ion: 96 Resp: 96628

Ion Ratio Lower Upper

96 100

61 134.6 93.3 173.3

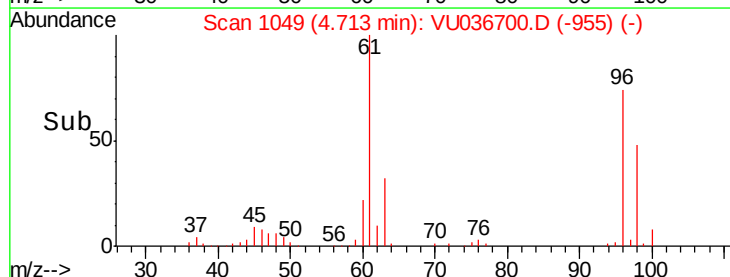
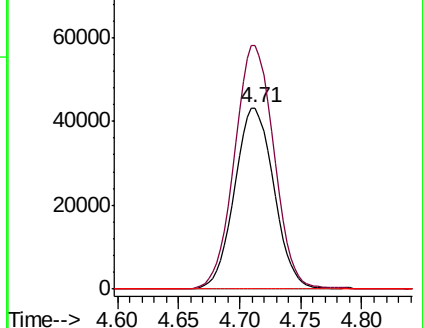
68 0.0 0.0 0.0

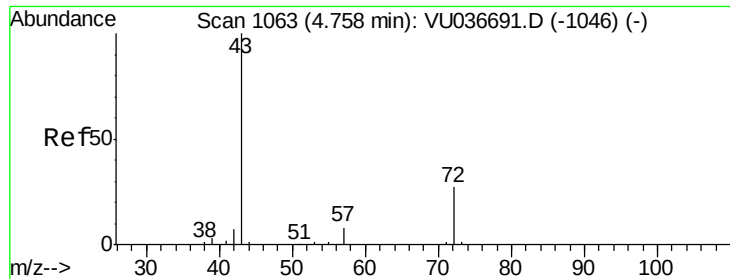


Abundance Ion 96.00 (95.70 to 96.70): VU036691.D (-1033) (-)

Ion 61.00 (60.70 to 61.70): VU036691.D (-1033) (-)

Ion 68.00 (67.70 to 68.70): VU036691.D (-1033) (-)





#22

2-Butanone

Concen: 92.302 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. -0.01 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

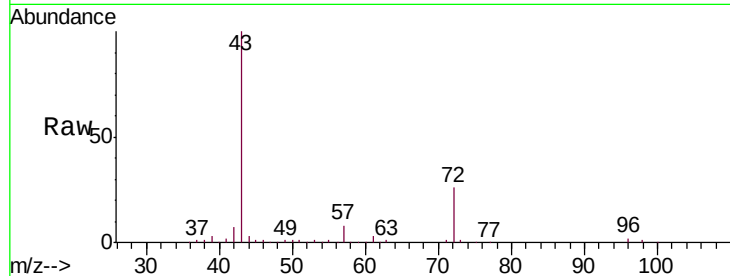
VSTD050109

Tgt Ion: 43 Resp: 174024

Ion Ratio Lower Upper

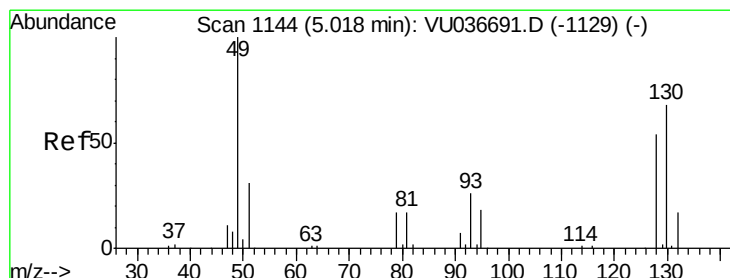
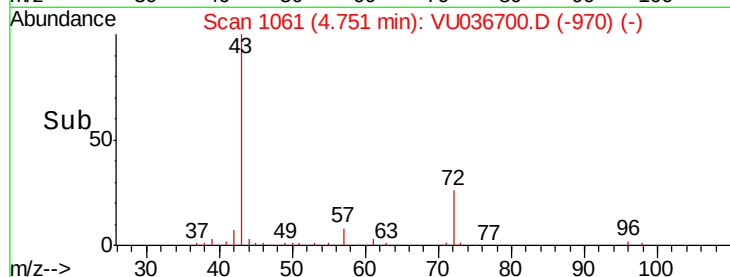
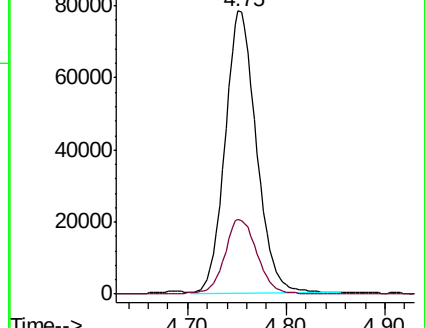
43 100

72 27.7 13.6 40.7



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

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



#23

Bromochloromethane

Concen: 48.814 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Tgt Ion: 128 Resp: 44522

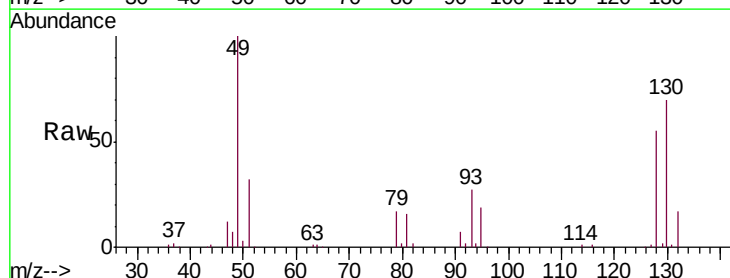
Ion Ratio Lower Upper

128 100

49 180.4 127.3 236.5

130 126.5 88.5 164.3

51 56.9 44.4 66.6

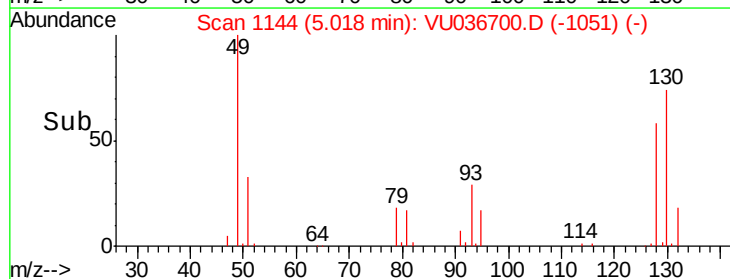
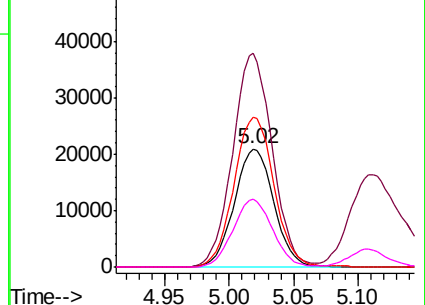


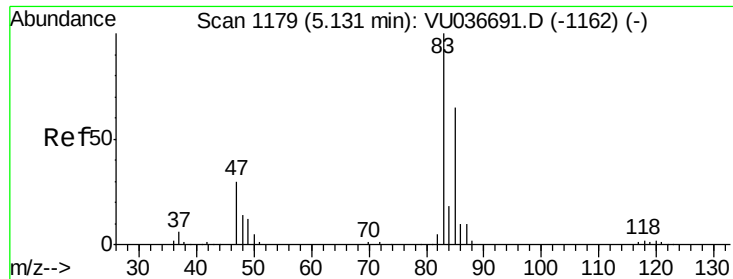
Abundance Ion 128.00 (127.70 to 128.70): VU036691.D (-1129) (-)

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

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

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

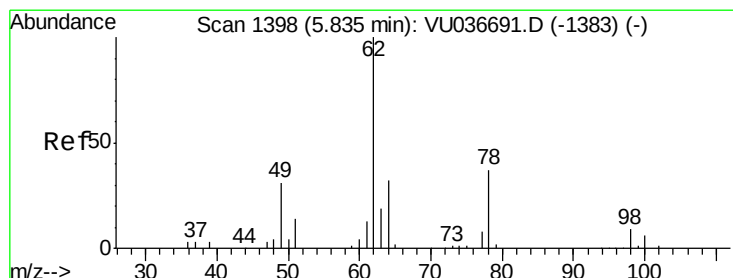
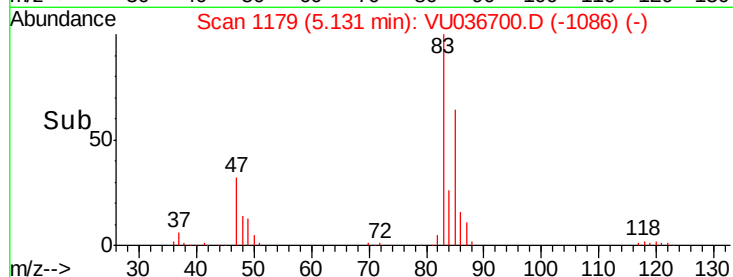
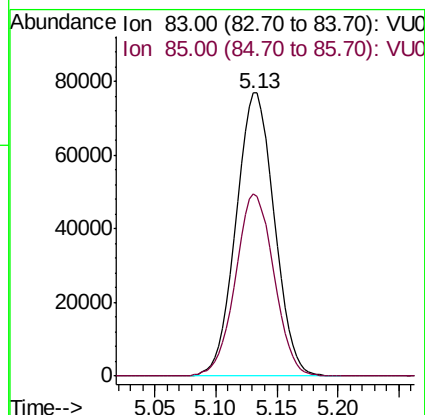
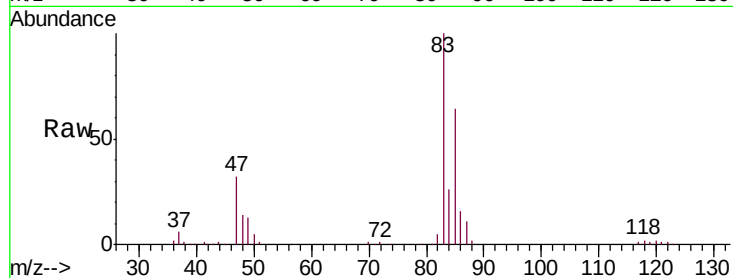




#25
Chloroform
Concen: 50.649 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036700.D
Acq: 07 Feb 2020 14:07

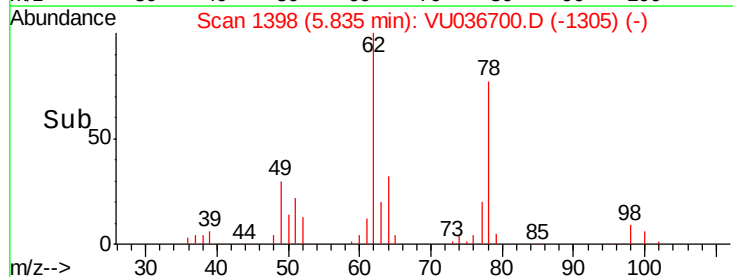
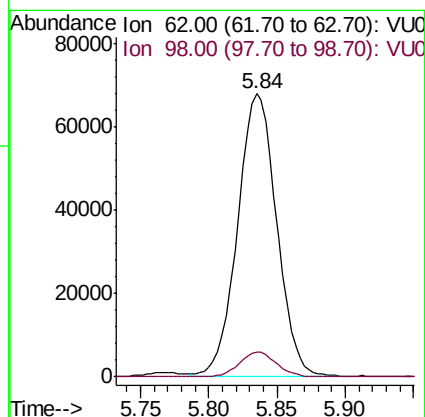
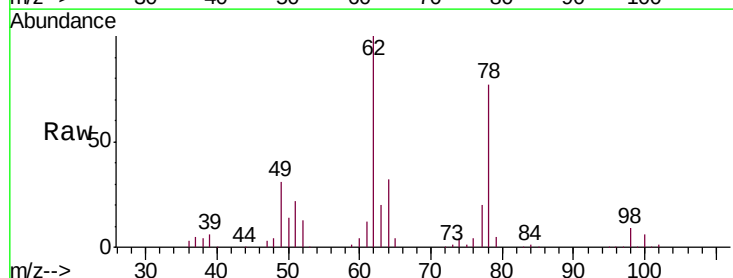
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

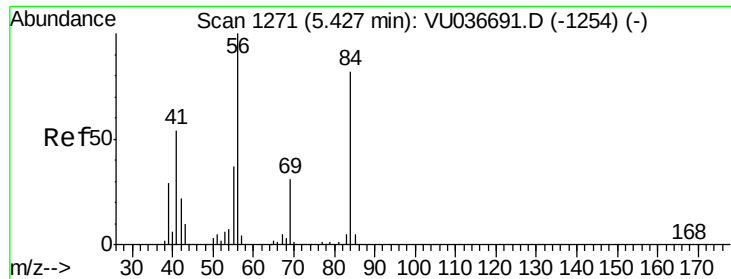
Tgt Ion: 83 Resp: 167655
Ion Ratio Lower Upper
83 100
85 64.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 48.295 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036700.D
Acq: 07 Feb 2020 14:07

Tgt Ion: 62 Resp: 134440
Ion Ratio Lower Upper
62 100
98 8.9 7.0 10.4

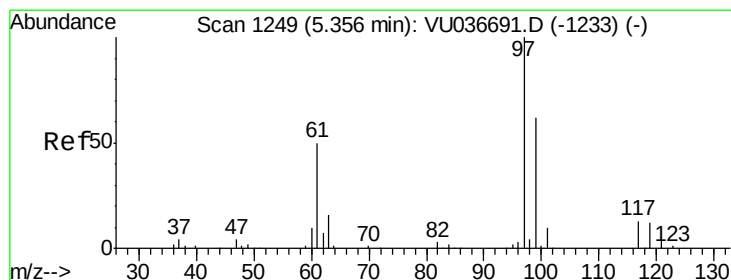
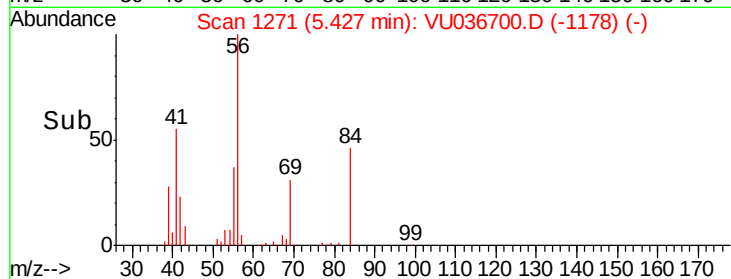
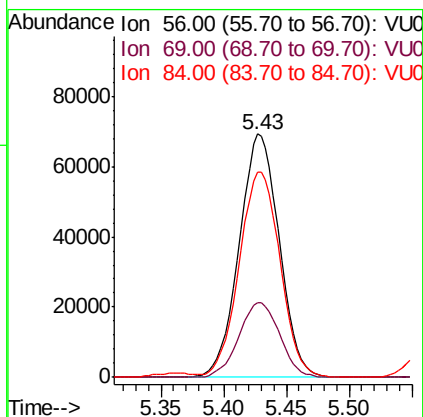
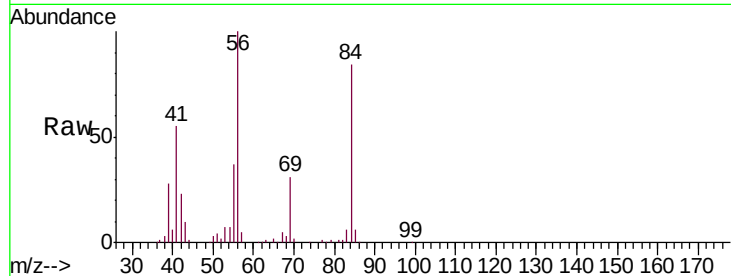




#29
Cyclohexane
Concen: 48.081 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036700.D
Acq: 07 Feb 2020 14:07

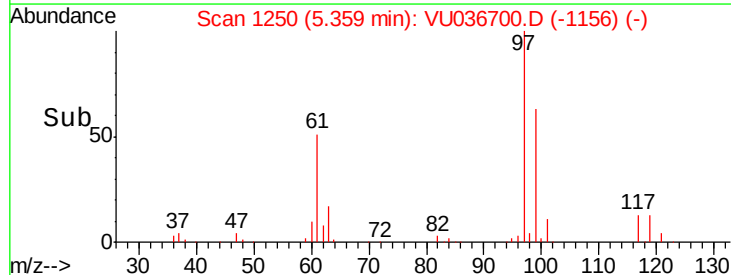
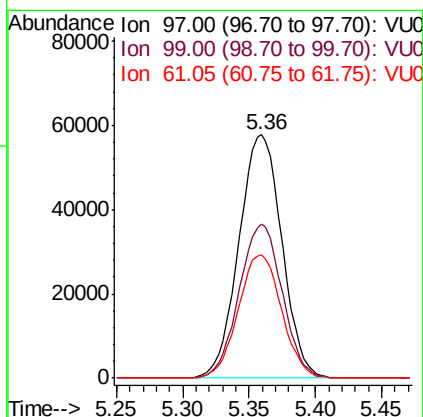
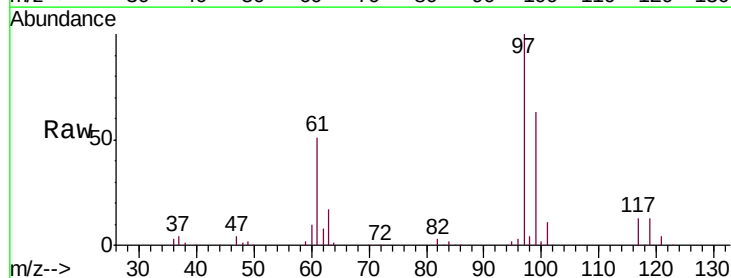
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

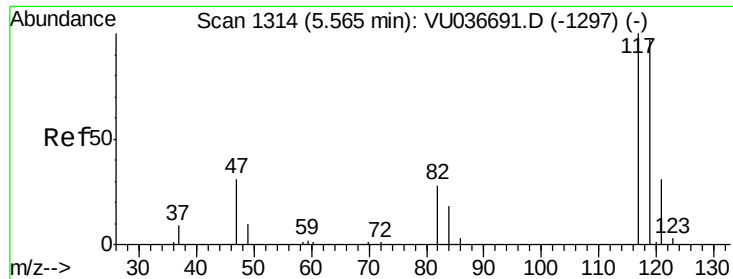
Tgt Ion: 56 Resp: 153679
Ion Ratio Lower Upper
56 100
69 31.3 25.0 37.4
84 86.5 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 49.157 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036700.D
Acq: 07 Feb 2020 14:07

Tgt Ion: 97 Resp: 129932
Ion Ratio Lower Upper
97 100
99 63.5 50.9 76.3
61 51.1 40.2 60.2





#31

Carbon tetrachloride

Concen: 48.969 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampled :

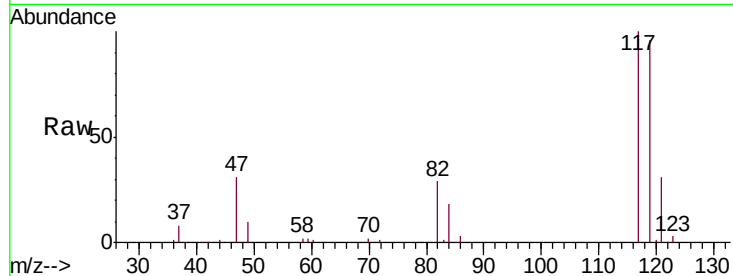
VSTD050109

Tgt Ion:117 Resp: 104803

Ion Ratio Lower Upper

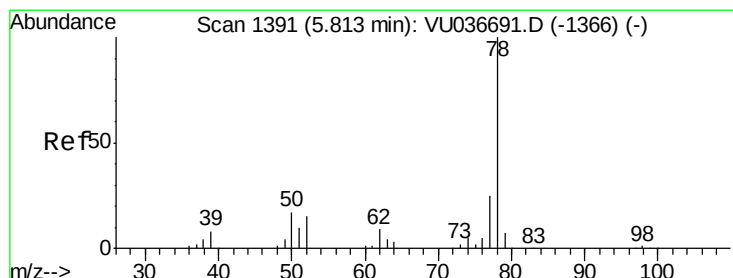
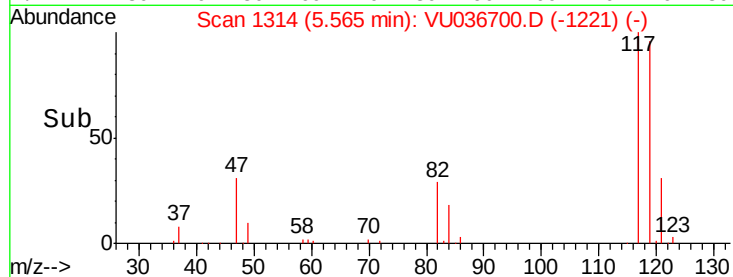
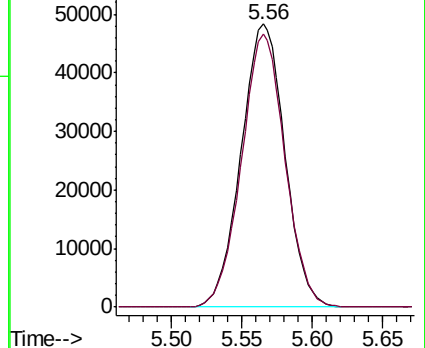
117 100

119 95.8 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: 49.162 ug/L

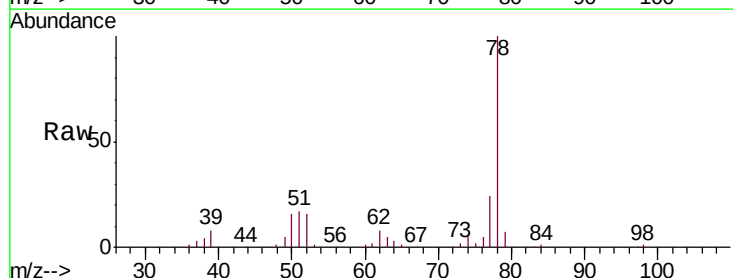
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

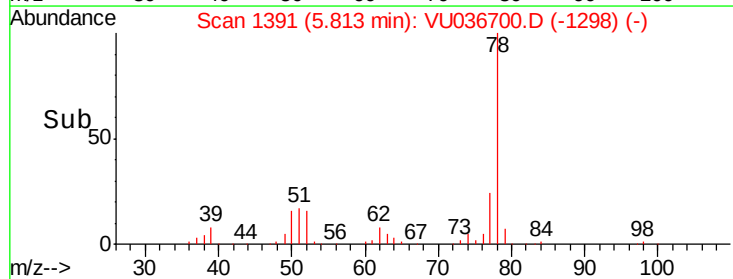
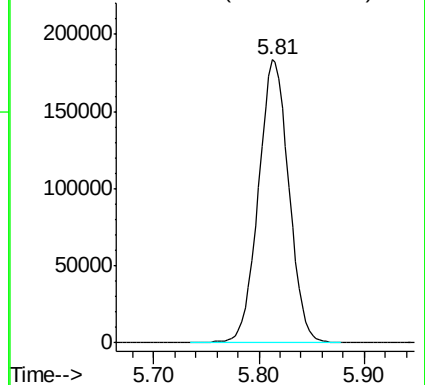
Lab File: VU036700.D

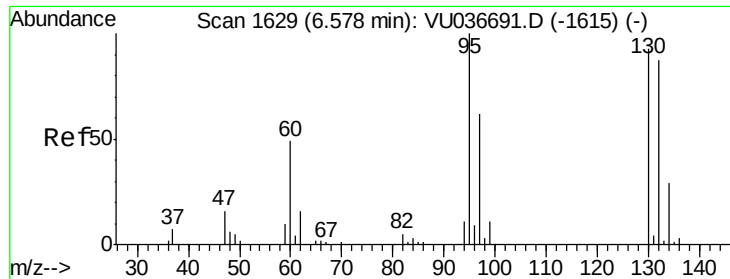
Acq: 07 Feb 2020 14:07

Tgt Ion: 78 Resp: 369998



Abundance Ion 78.00 (77.70 to 78.70): VU0

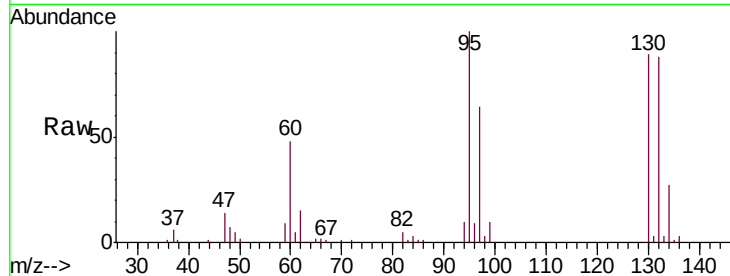




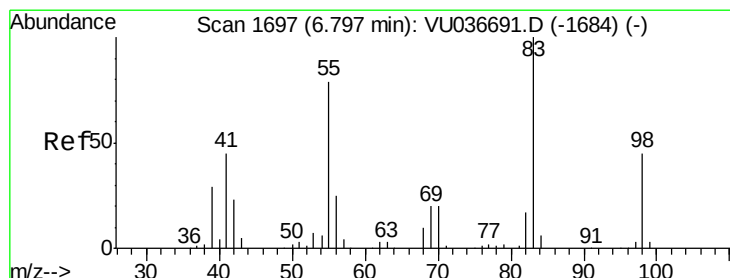
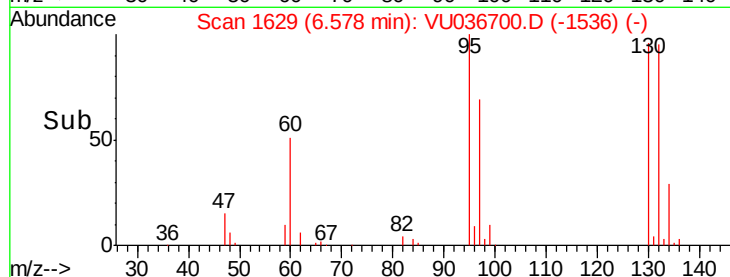
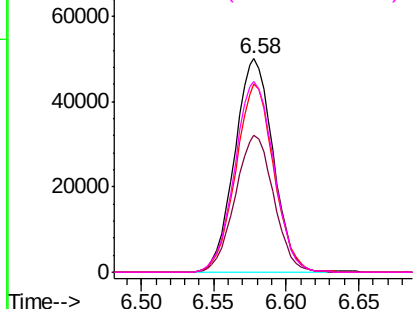
#34
 Trichloroethene
 Concen: 49.475 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036700.D
 Acq: 07 Feb 2020 14:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

Tgt Ion:	95	Resp:	92079
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.5	82.7
132	88.3	59.6	110.8
130	89.5	65.0	120.8

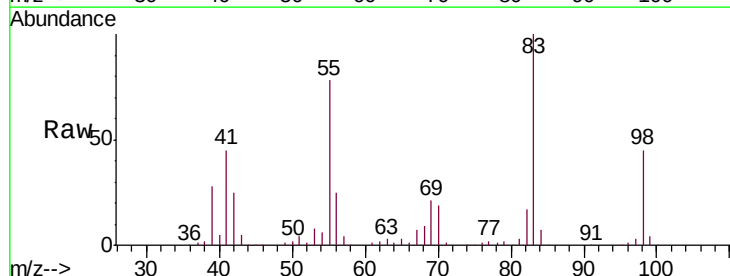


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

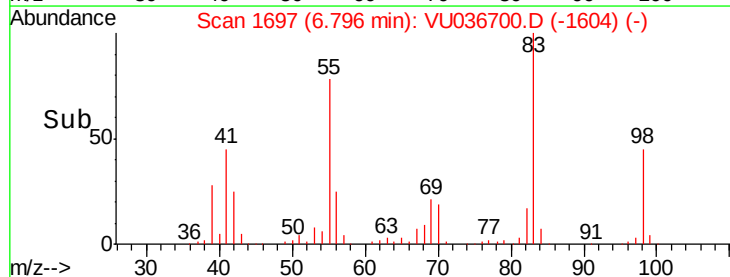
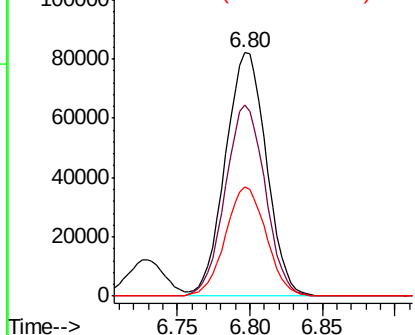


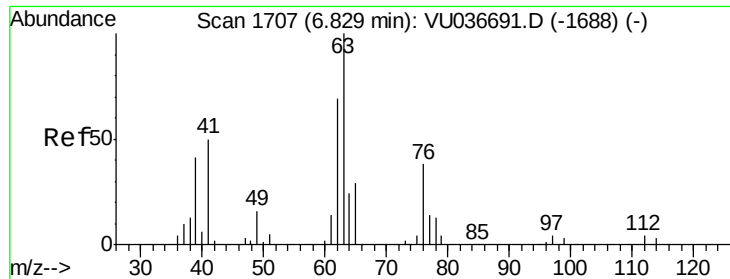
#35
 Methylcyclohexane
 Concen: 49.154 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: VU036700.D
 Acq: 07 Feb 2020 14:07

Tgt Ion:	83	Resp:	161106
Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.2	91.8
98	44.7	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

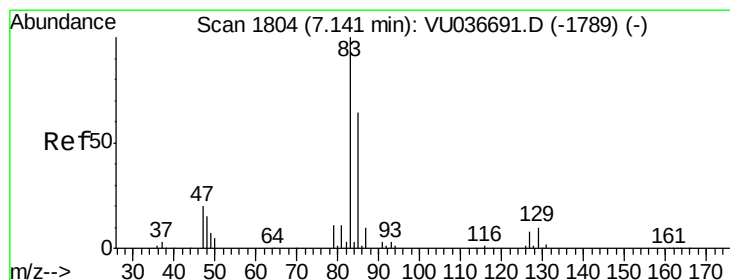
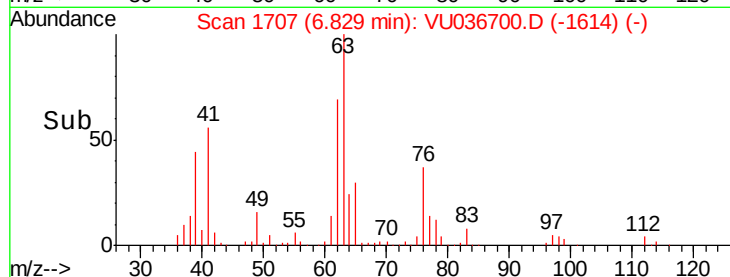
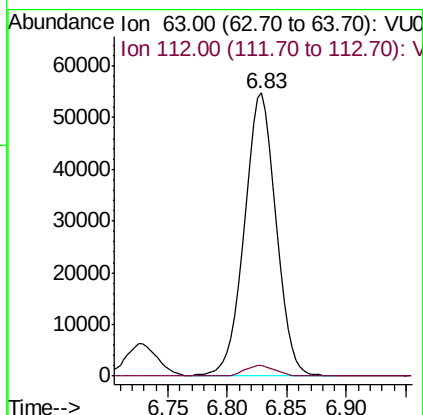
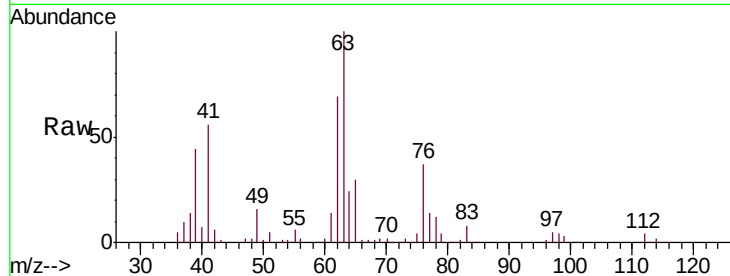




#37
 1,2-Dichloropropane
 Concen: 49.607 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036700.D
 Acq: 07 Feb 2020 14:07

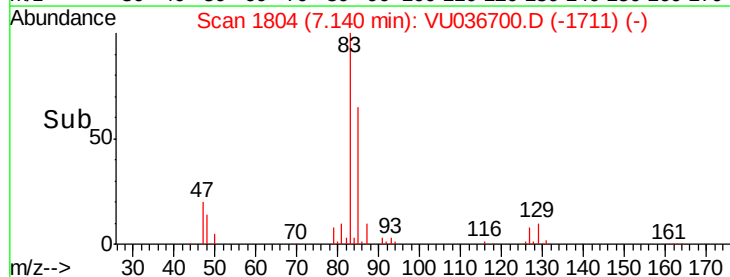
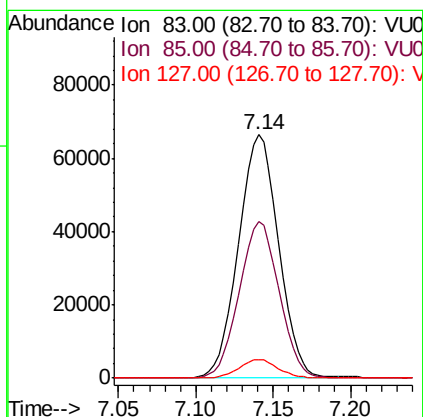
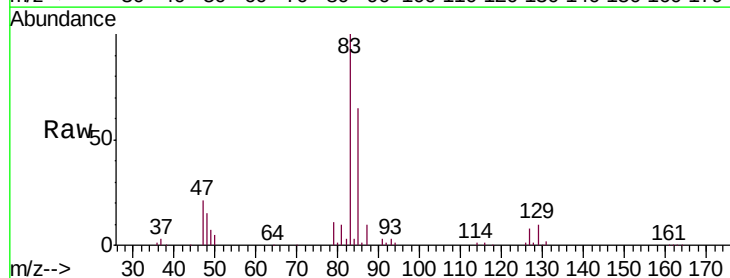
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

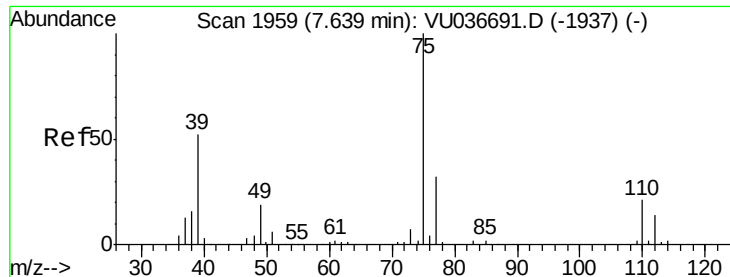
Tgt Ion: 63 Resp: 100675
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 48.728 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036700.D
 Acq: 07 Feb 2020 14:07

Tgt Ion: 83 Resp: 120173
 Ion Ratio Lower Upper
 83 100
 85 64.5 43.9 81.5
 127 7.6 6.0 9.0

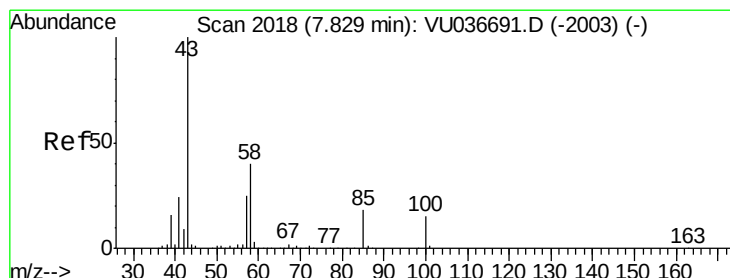
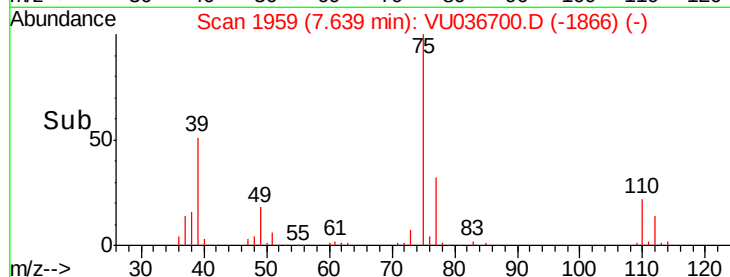
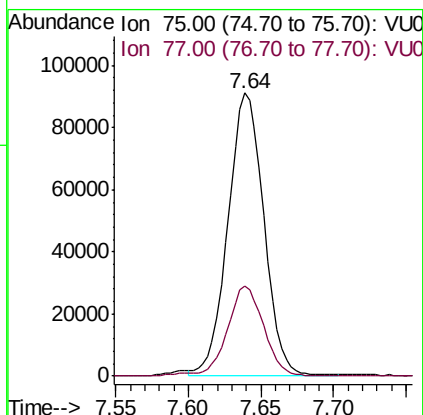
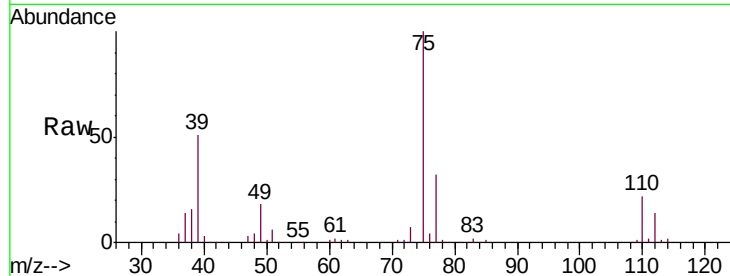




#39
 cis-1,3-Dichloropropene
 Concen: 48.103 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VU036700.D
 Acq: 07 Feb 2020 14:07

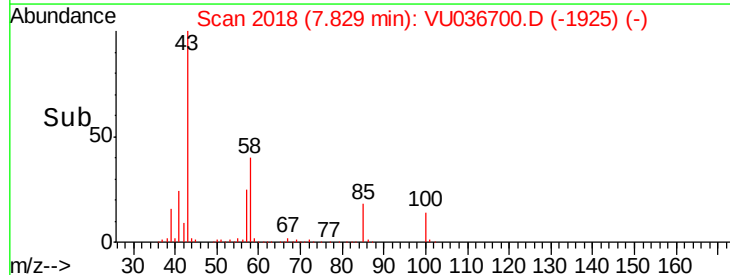
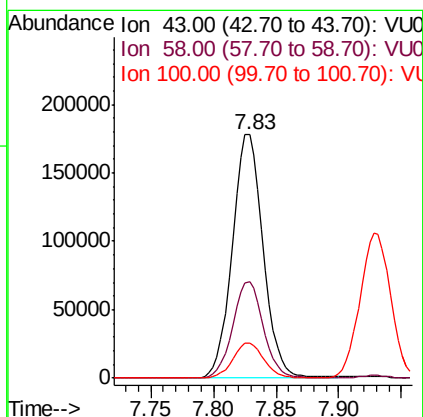
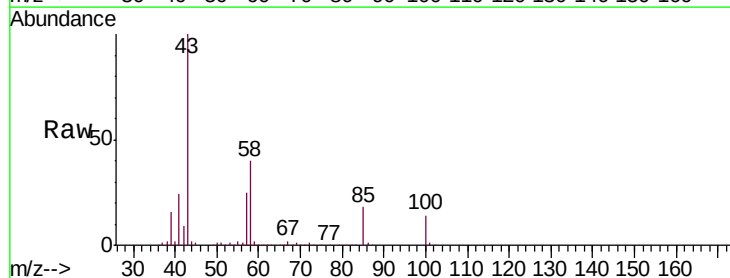
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

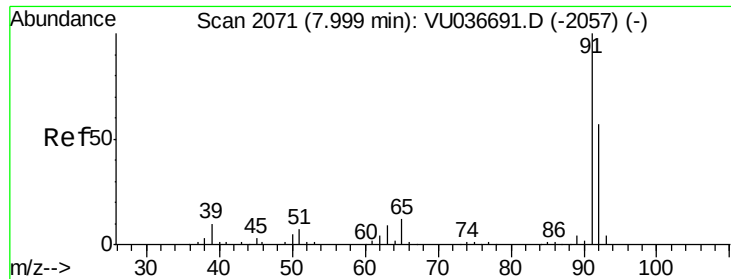
Tgt Ion: 75 Resp: 155980
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 94.914 ug/L
 RT: 7.83 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU036700.D
 Acq: 07 Feb 2020 14:07

Tgt Ion: 43 Resp: 304336
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.0 46.6
 100 14.4 11.4 17.2





#42

Toluene

Concen: 49.808 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

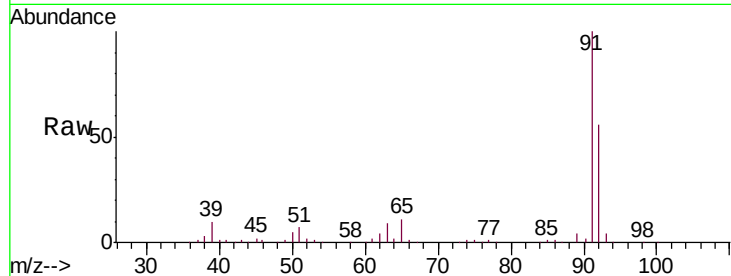
VSTD050109

Tgt Ion: 91 Resp: 405064

Ion Ratio Lower Upper

91 100

92 55.8 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036691.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036691.D (-2057) (-)

8.00

250000

200000

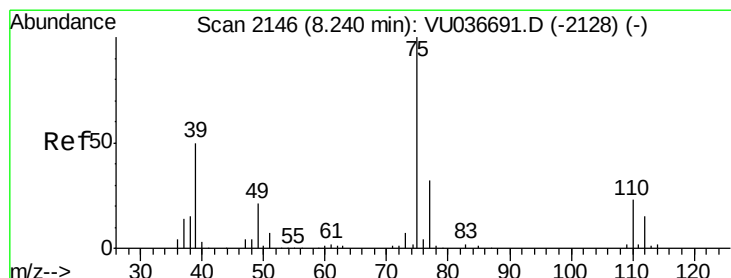
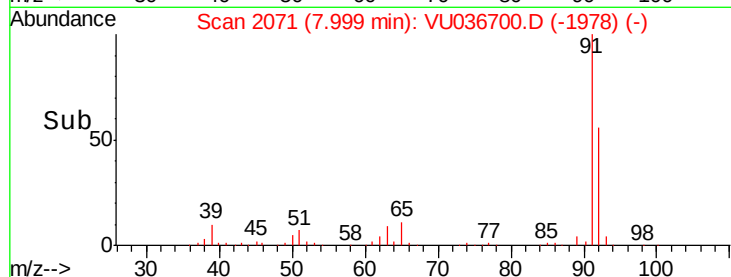
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.040 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036700.D

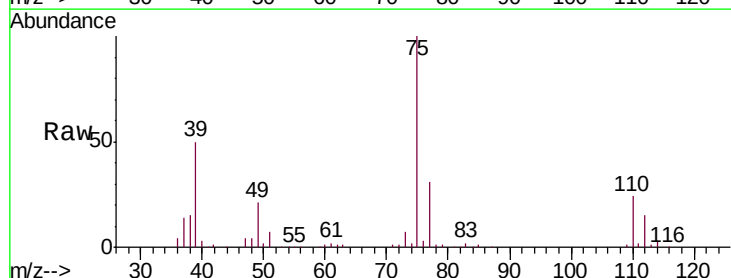
Acq: 07 Feb 2020 14:07

Tgt Ion: 75 Resp: 141752

Ion Ratio Lower Upper

75 100

77 31.3 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VU036691.D (-2128) (-)

Ion 77.00 (76.70 to 77.70): VU036691.D (-2128) (-)

8.24

100000

80000

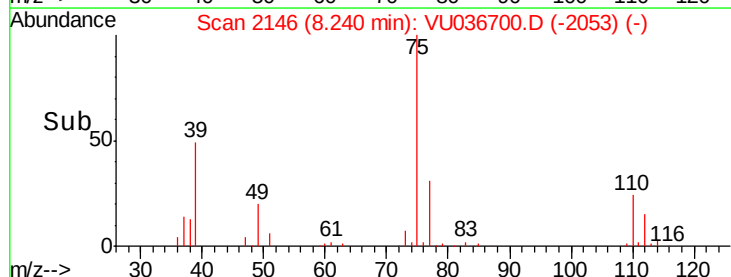
60000

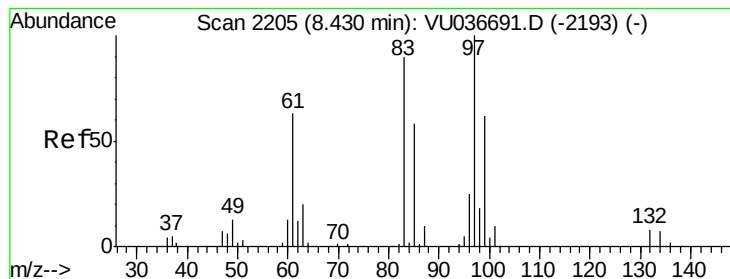
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 48.856 ug/L

RT: 8.43 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

Tgt Ion: 97 Resp: 90452

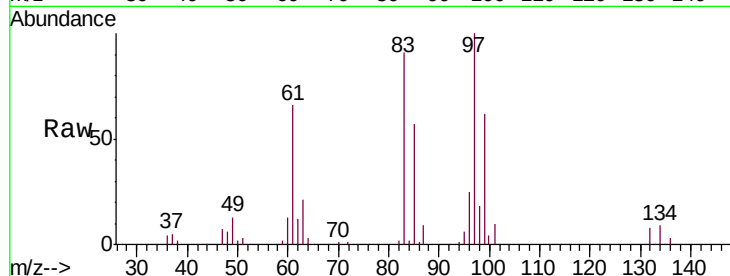
Ion Ratio Lower Upper

97 100

99 61.6 42.6 79.0

83 90.6 61.1 113.5

85 56.9 40.4 75.0



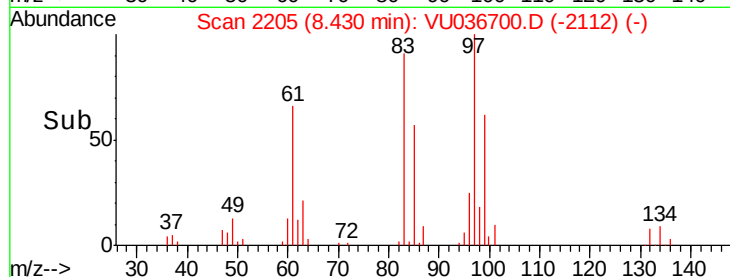
Abundance

Ion 97.00 (96.70 to 97.70): VU0

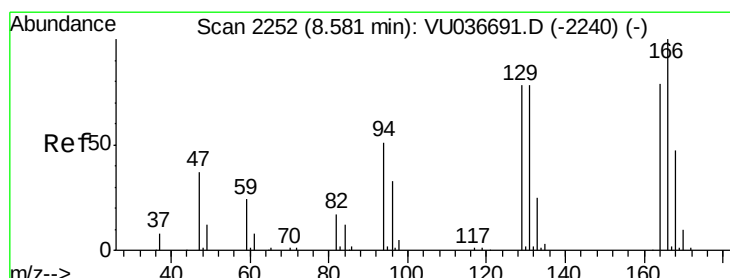
Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



Time-->



#46

Tetrachloroethene

Concen: 47.503 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Tgt Ion: 164 Resp: 62039

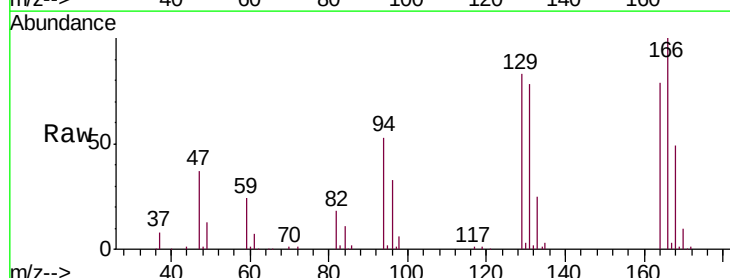
Ion Ratio Lower Upper

164 100

129 104.6 71.0 131.9

131 97.9 66.6 123.6

166 126.1 86.4 160.4



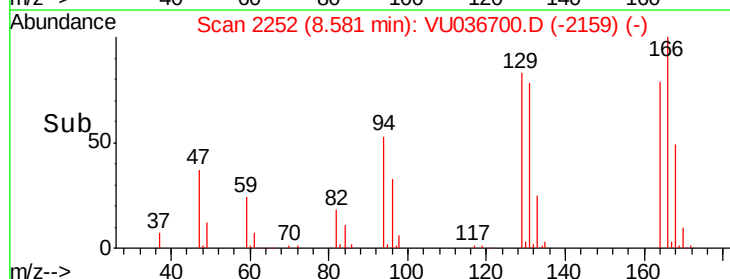
Abundance

Ion 164.00 (163.70 to 164.70): V

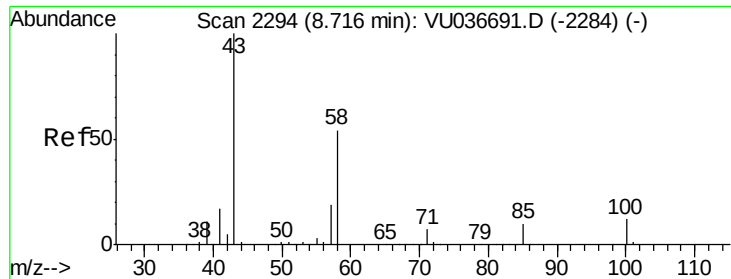
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



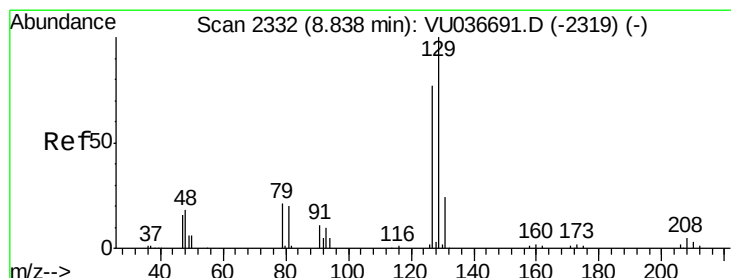
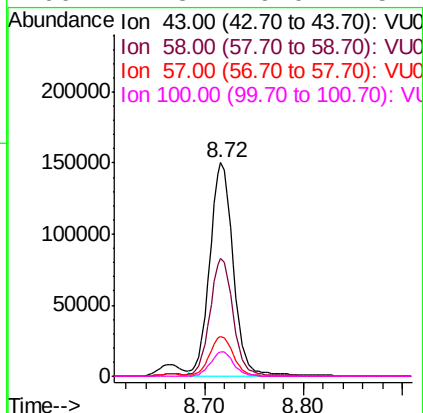
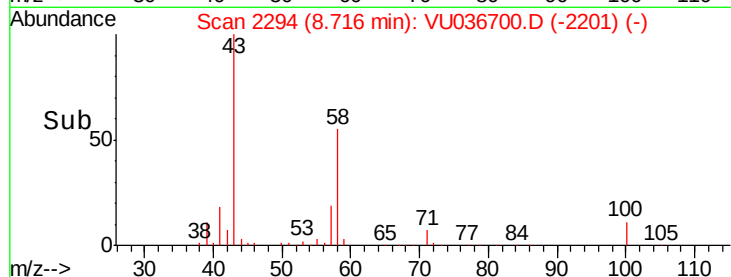
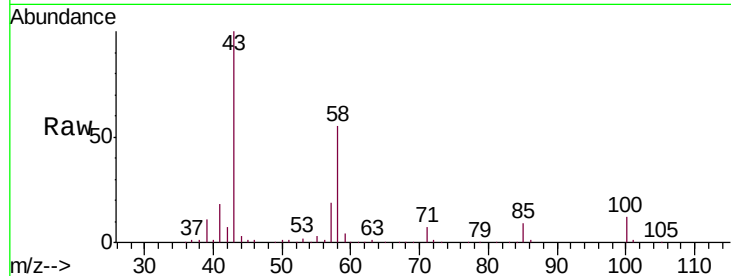
Time-->



#48
2-Hexanone
Concen: 95.145 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VU036700.D
Acq: 07 Feb 2020 14:07

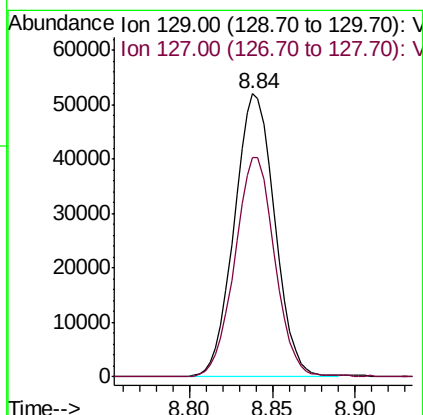
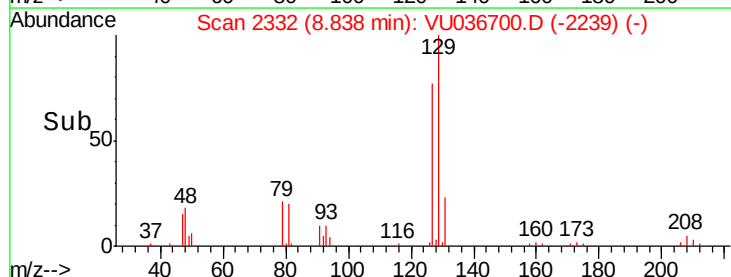
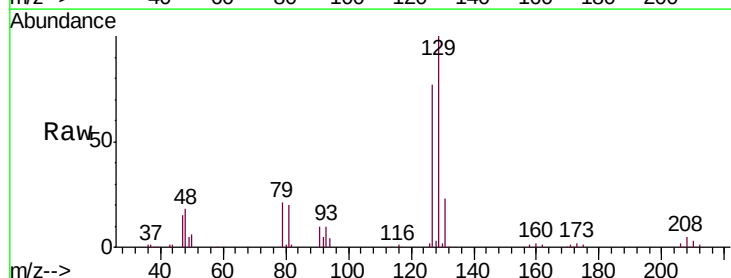
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

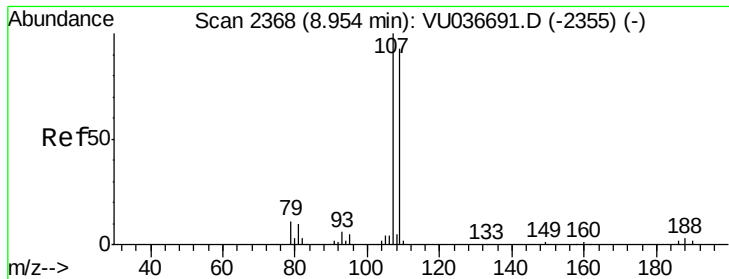
Tgt Ion: 43 Resp: 248866
Ion Ratio Lower Upper
43 100
58 54.3 43.6 65.4
57 18.5 15.5 23.3
100 11.3 9.0 13.4



#49
Dibromochloromethane
Concen: 48.727 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036700.D
Acq: 07 Feb 2020 14:07

Tgt Ion: 129 Resp: 88237
Ion Ratio Lower Upper
129 100
127 77.3 53.6 99.6





#50

1,2-Dibromoethane

Concen: 48.671 ug/L

RT: 8.95 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

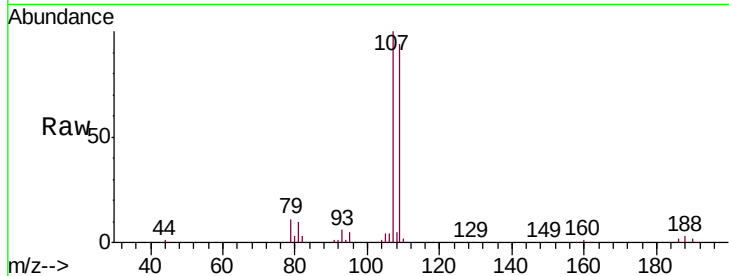
Tgt Ion:107 Resp: 94665

Ion Ratio Lower Upper

107 100

109 94.1 65.8 122.2

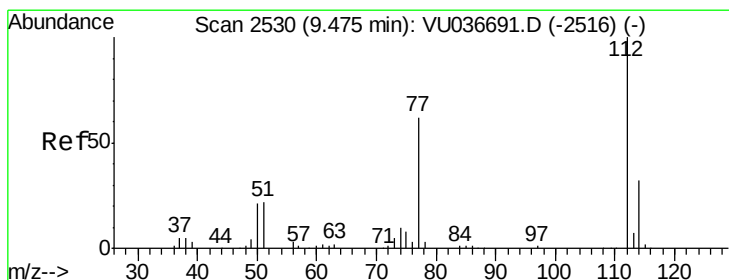
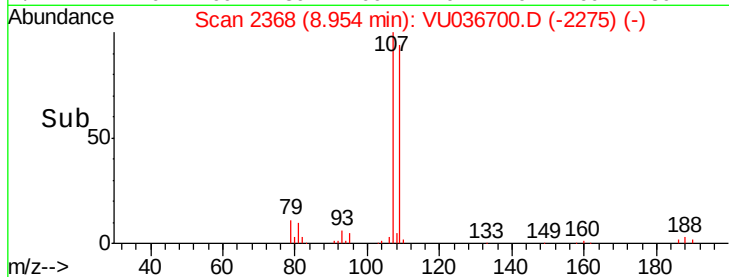
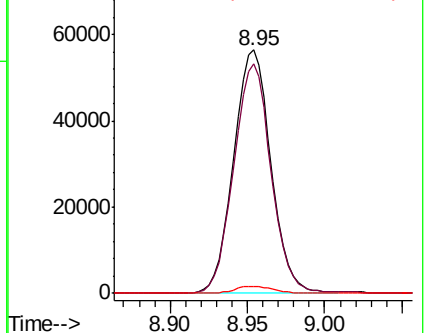
188 2.7 2.5 3.7



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: 48.450 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

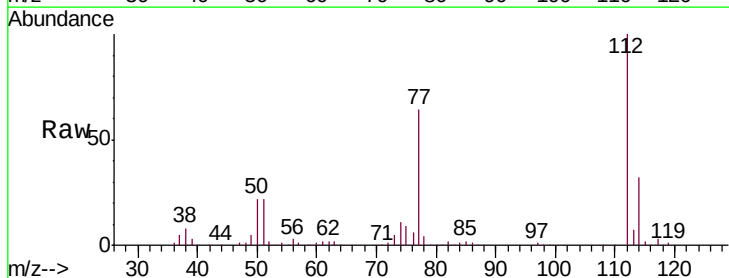
Tgt Ion:112 Resp: 237257

Ion Ratio Lower Upper

112 100

114 32.2 22.7 42.1

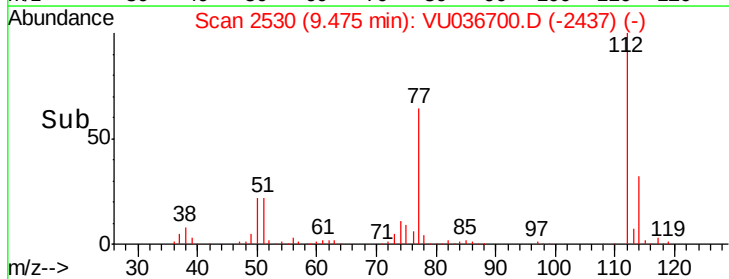
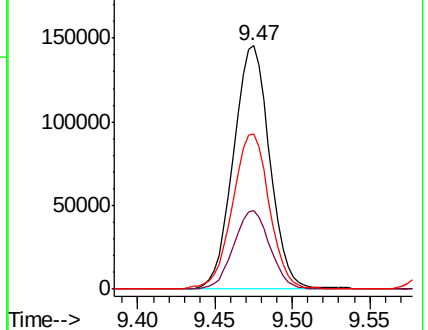
77 63.6 50.6 75.8

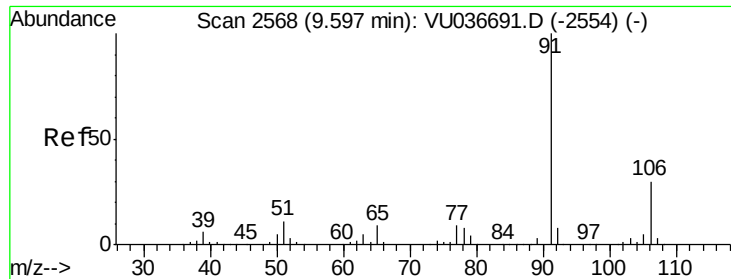


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 49.313 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

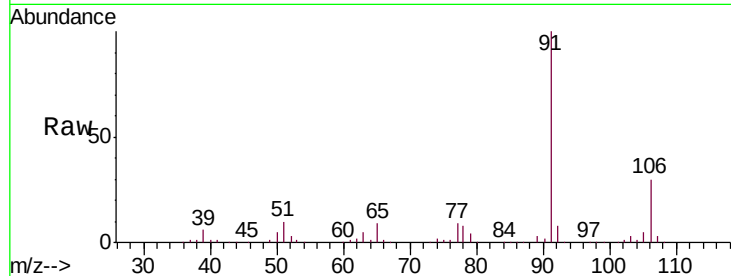
VSTD050109

Tgt Ion: 91 Resp: 440657

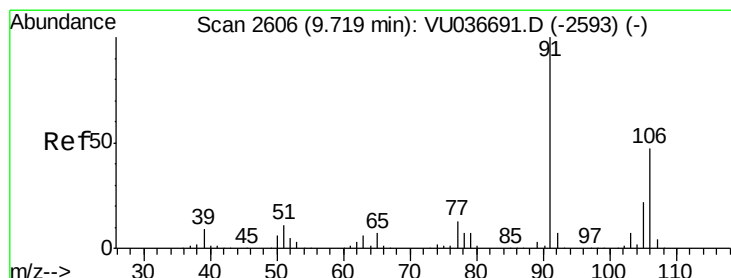
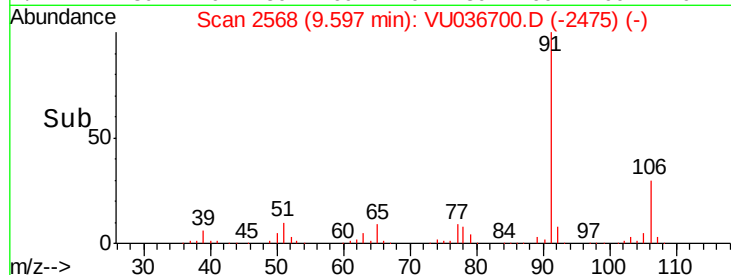
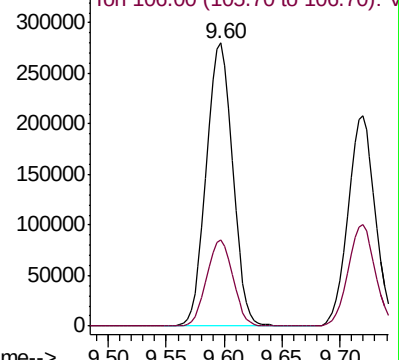
Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU036700.D (-2475) (-)



#53

m,p-Xylene

Concen: 49.383 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036700.D

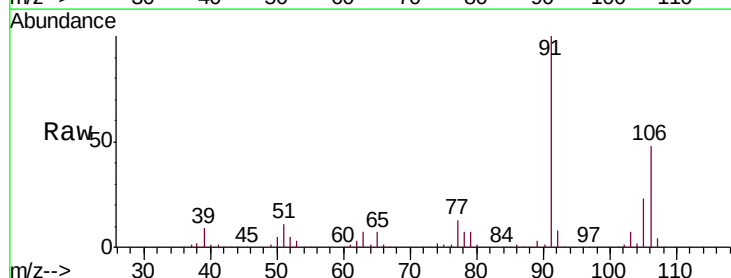
Acq: 07 Feb 2020 14:07

Tgt Ion: 106 Resp: 162790

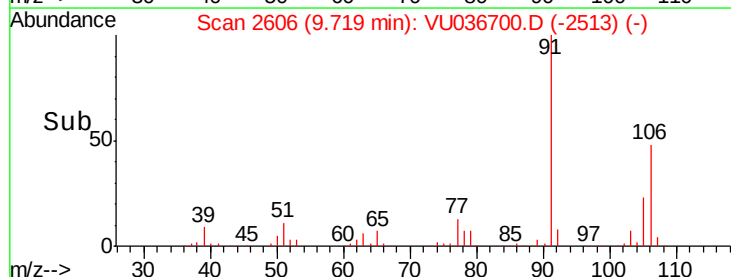
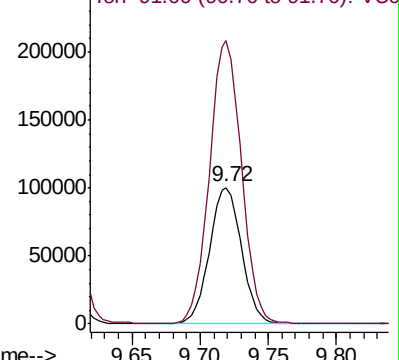
Ion Ratio Lower Upper

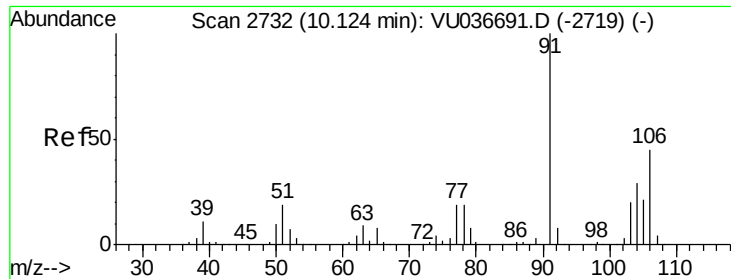
106 100

91 207.4 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VU036700.D (-2513) (-)





#54

o-xylene

Concen: 48.918 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

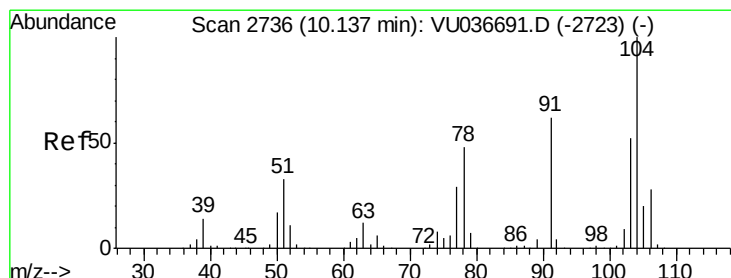
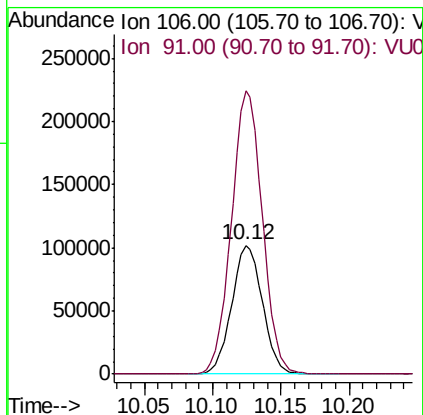
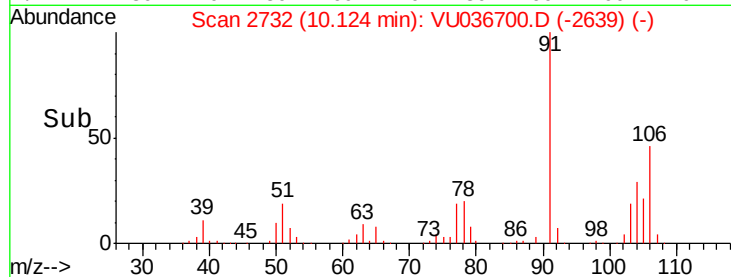
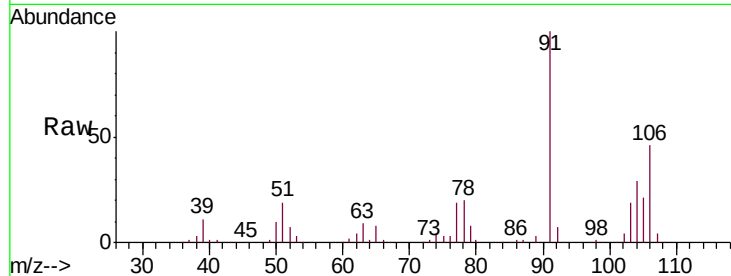
VSTD050109

Tgt Ion:106 Resp: 159748

Ion Ratio Lower Upper

106 100

91 219.7 156.0 289.6



#55

Styrene

Concen: 49.796 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036700.D

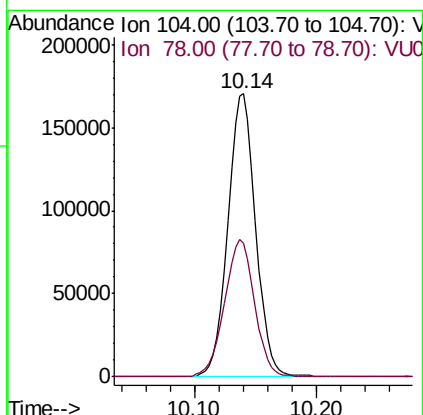
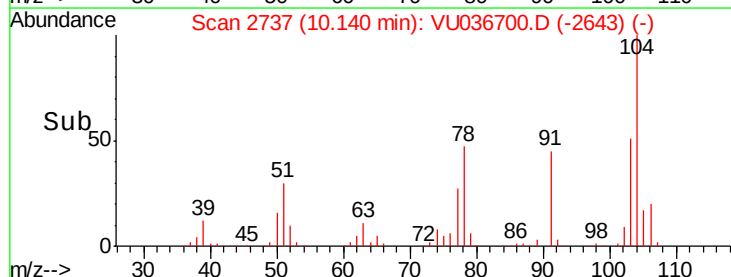
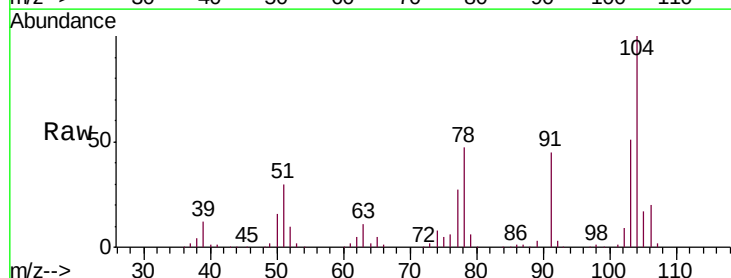
Acq: 07 Feb 2020 14:07

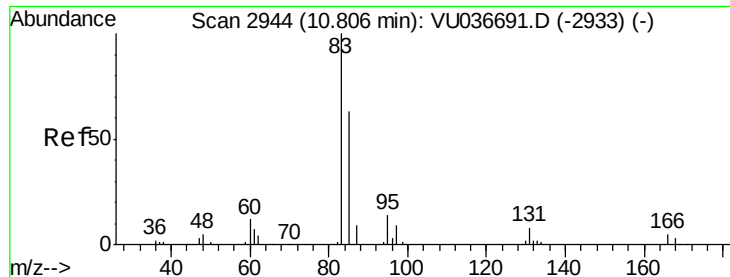
Tgt Ion:104 Resp: 271015

Ion Ratio Lower Upper

104 100

78 47.3 33.7 62.7





#57

1,1,2,2-Tetrachloroethane

Concen: 48.838 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

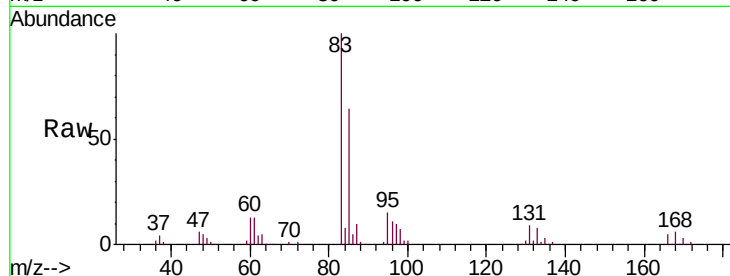
Tgt Ion: 83 Resp: 162930

Ion Ratio Lower Upper

83 100

85 64.2 44.7 82.9

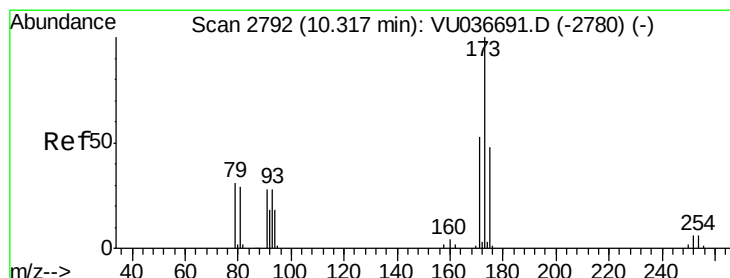
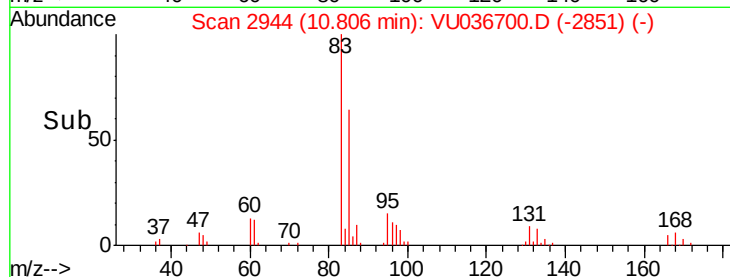
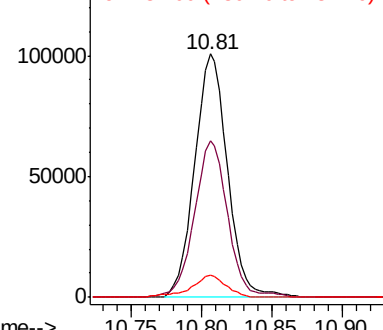
131 8.9 6.8 10.2



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

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

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



#59

Bromoform

Concen: 47.394 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

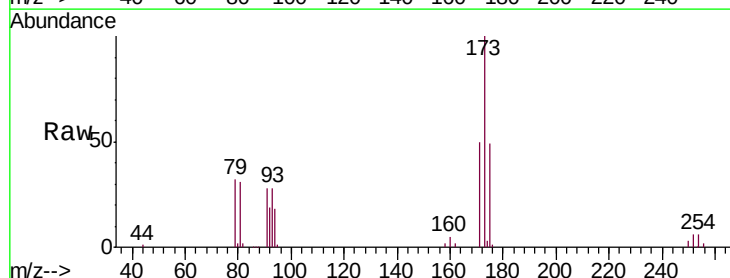
Tgt Ion: 173 Resp: 60546

Ion Ratio Lower Upper

173 100

175 47.9 38.2 57.4

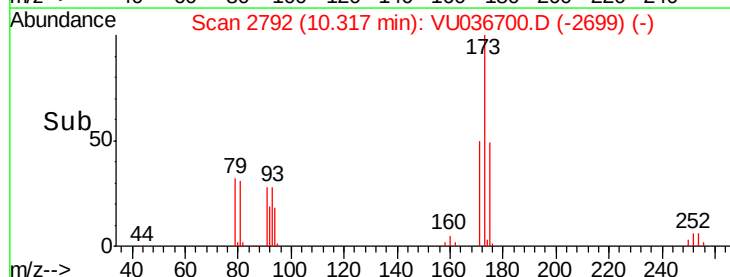
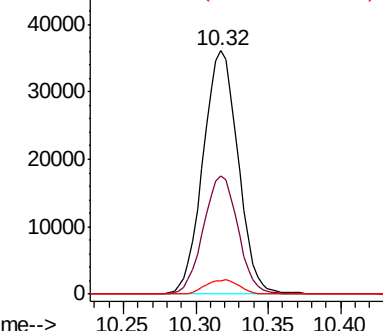
254 5.6 4.8 7.2

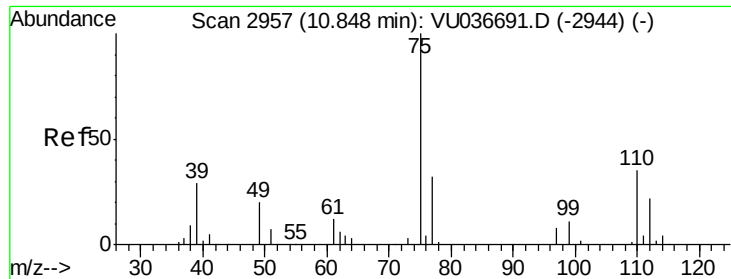


Abundance Ion 173.00 (172.70 to 173.70): VU036691.D (-2780) (-)

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

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

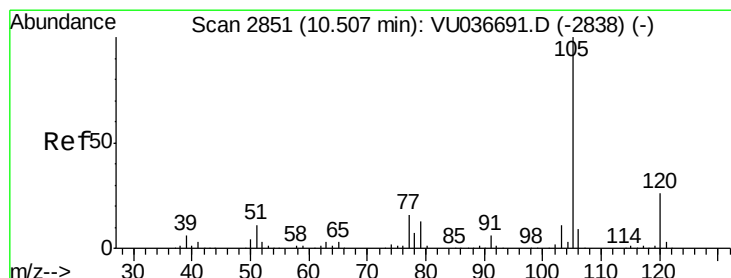
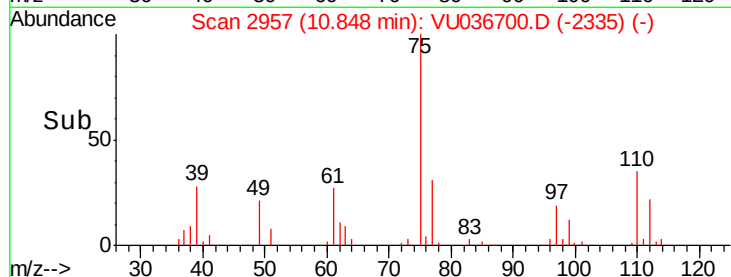
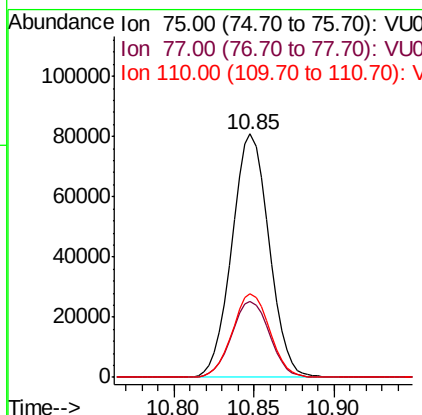
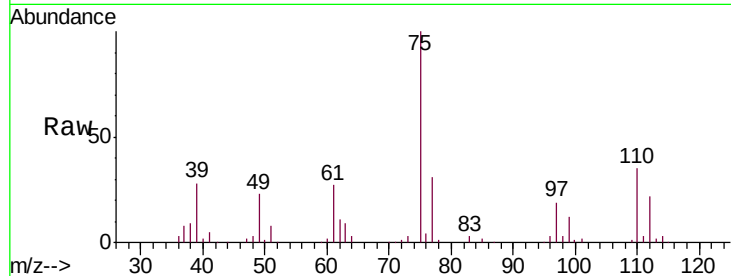




#60
1,2,3-Trichloropropane
Concen: 47.090 ug/L
RT: 10.85 min Scan# 2957
Delta R.T. -0.00 min
Lab File: VU036700.D
Acq: 07 Feb 2020 14:07

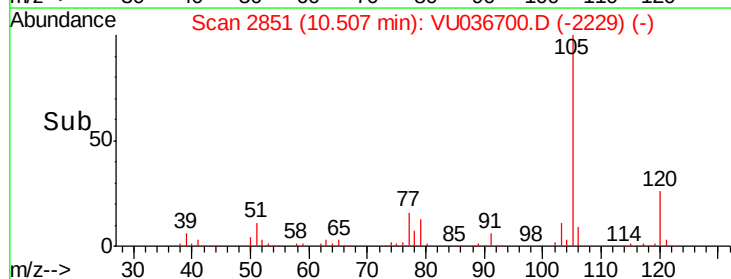
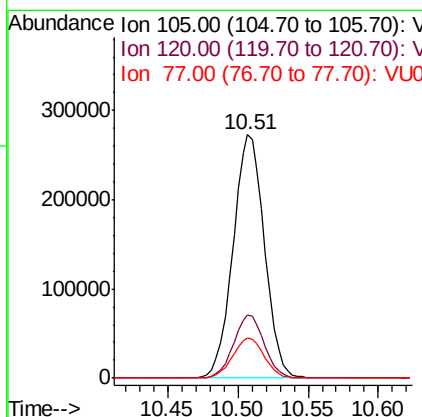
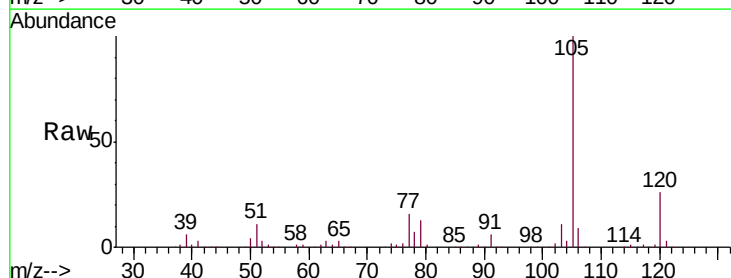
Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

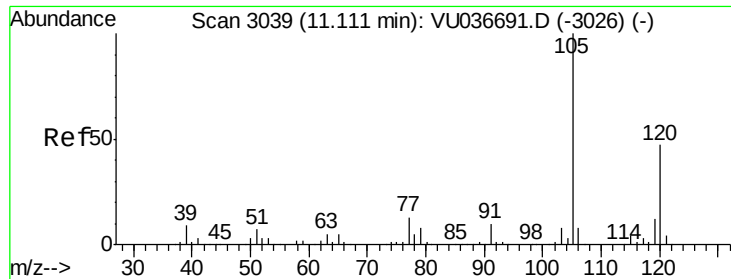
Tgt Ion: 75 Resp: 128082
Ion Ratio Lower Upper
75 100
77 32.1 26.1 39.1
110 34.6 26.9 40.3



#61
Isopropylbenzene
Concen: 49.303 ug/L
RT: 10.51 min Scan# 2851
Delta R.T. -0.00 min
Lab File: VU036700.D
Acq: 07 Feb 2020 14:07

Tgt Ion: 105 Resp: 424503
Ion Ratio Lower Upper
105 100
120 25.4 20.2 30.4
77 16.5 13.0 19.6

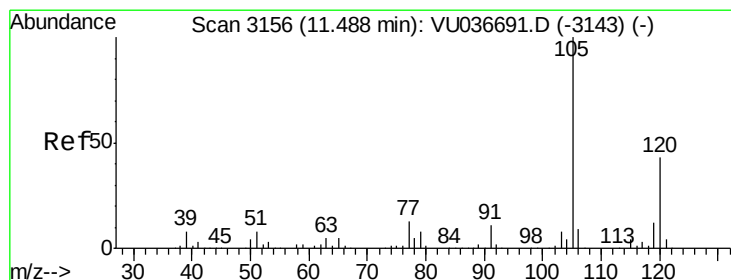
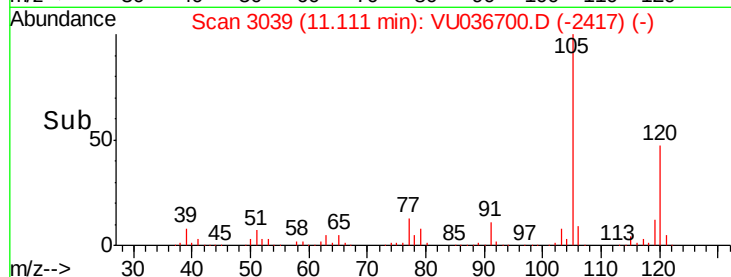
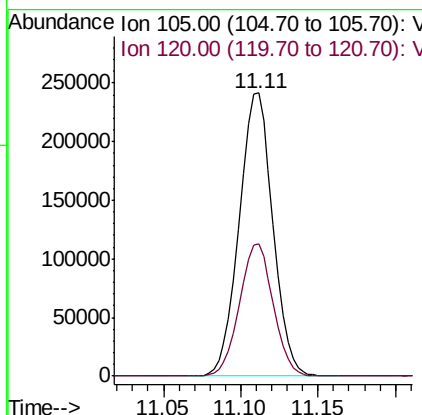
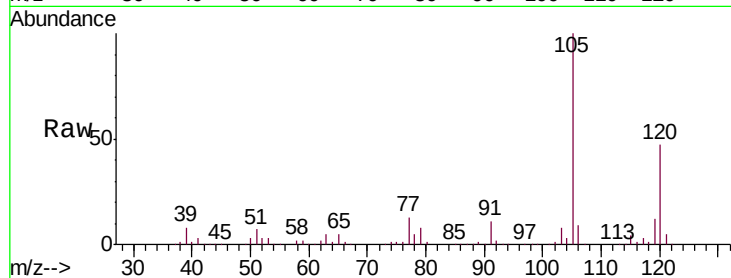




#62
 1,3,5-Trimethylbenzene
 Concen: 49.456 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. -0.00 min
 Lab File: VU036700.D
 Acq: 07 Feb 2020 14:07

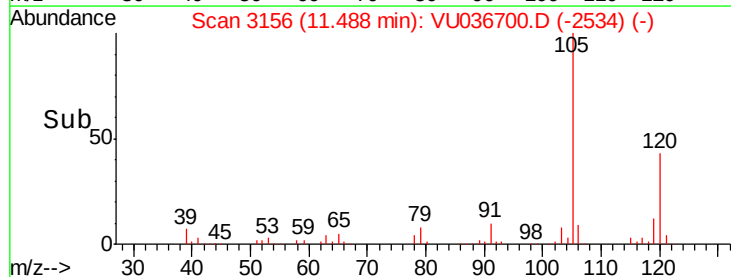
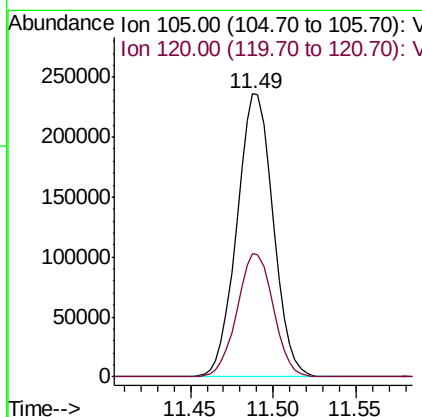
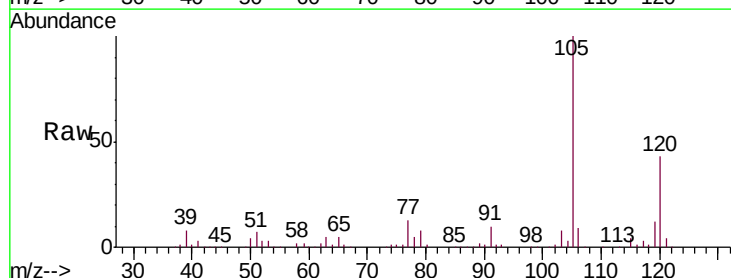
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

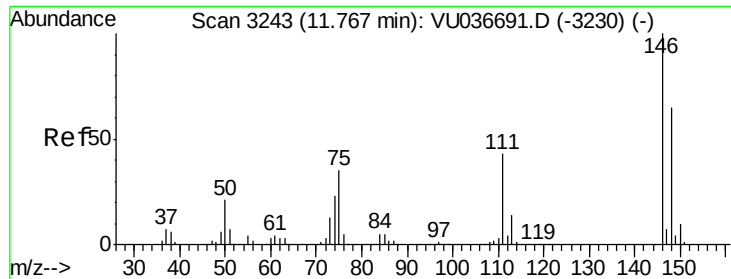
Tgt Ion:105 Resp: 365078
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 48.871 ug/L
 RT: 11.49 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU036700.D
 Acq: 07 Feb 2020 14:07

Tgt Ion:105 Resp: 360235
 Ion Ratio Lower Upper
 105 100
 120 43.5 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 48.931 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

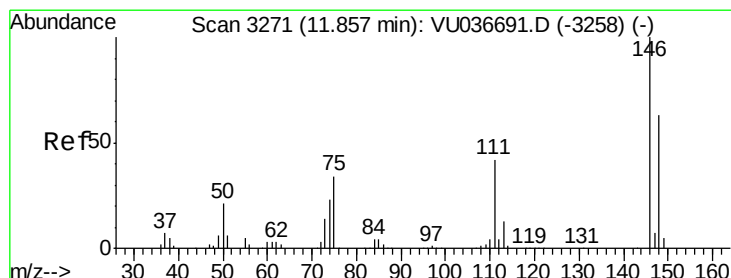
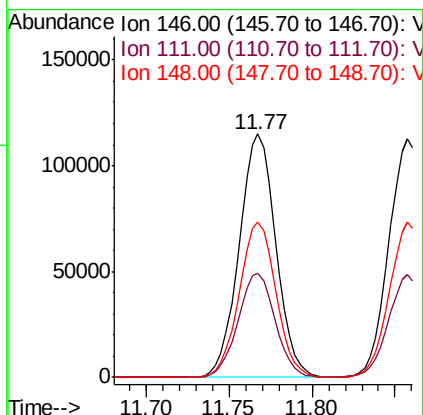
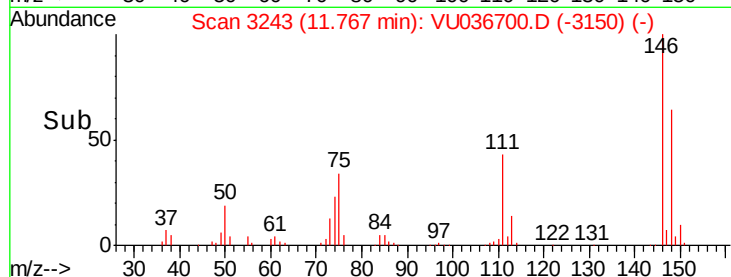
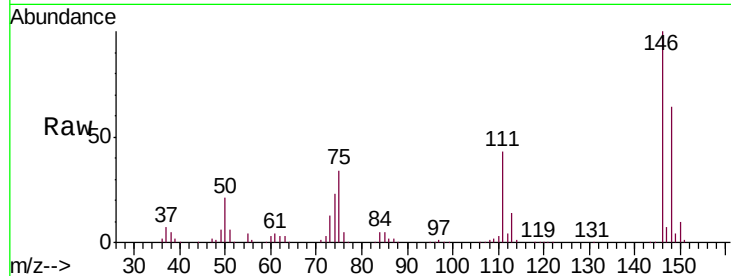
Tgt Ion:146 Resp: 177172

Ion Ratio Lower Upper

146 100

111 42.9 30.4 56.4

148 64.0 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 48.327 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

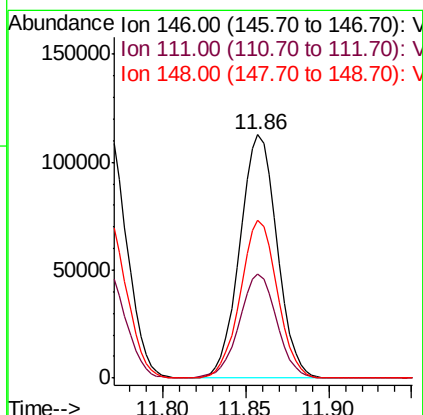
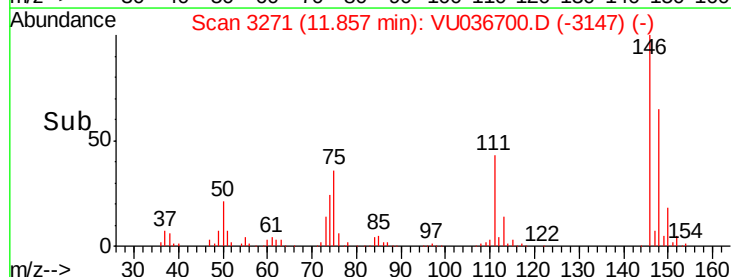
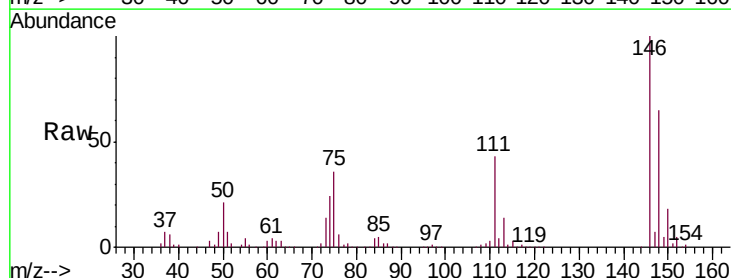
Tgt Ion:146 Resp: 176171

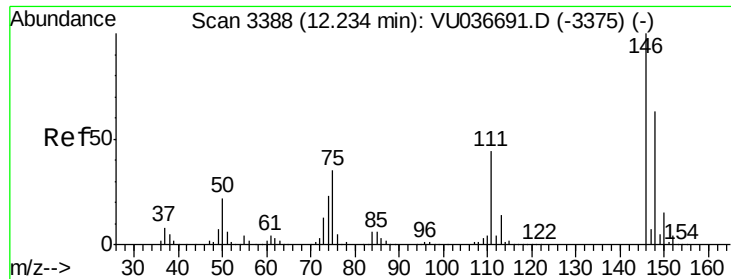
Ion Ratio Lower Upper

146 100

111 42.9 29.3 54.3

148 64.8 44.8 83.2

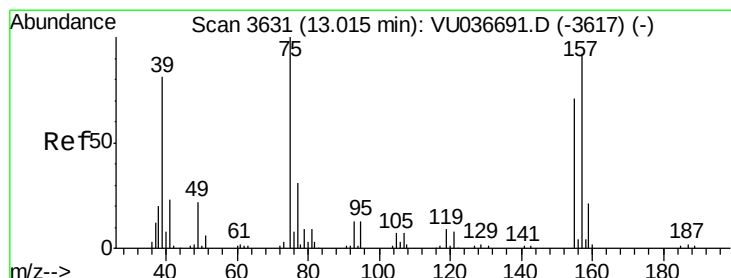
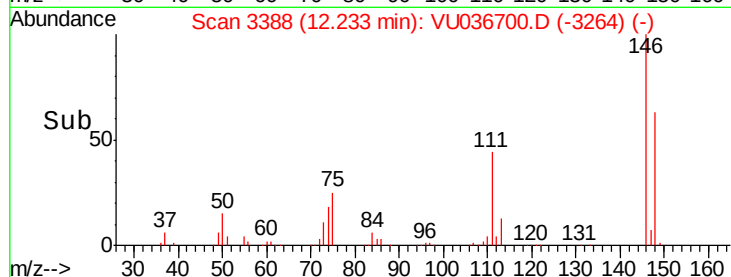
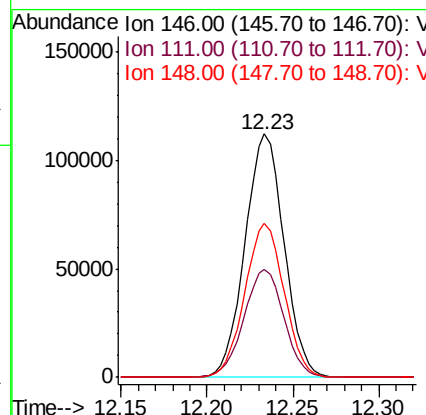
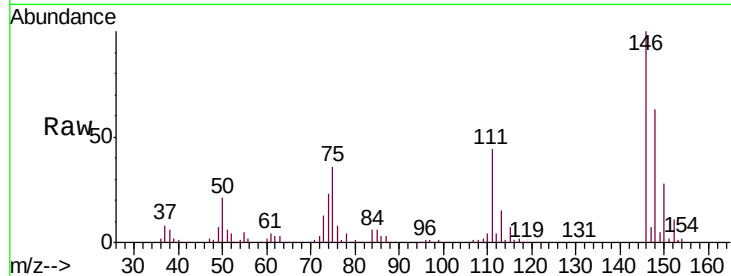




#67
 1,2-Dichlorobenzene
 Concen: 48.132 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036700.D
 Acq: 07 Feb 2020 14:07

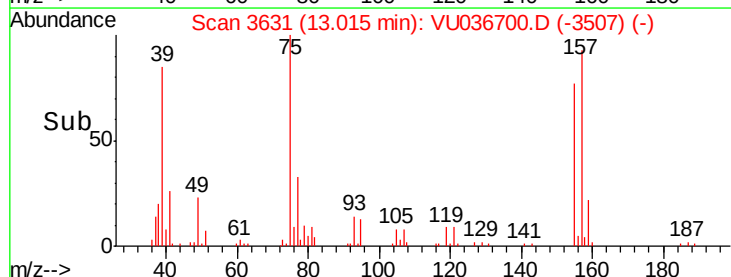
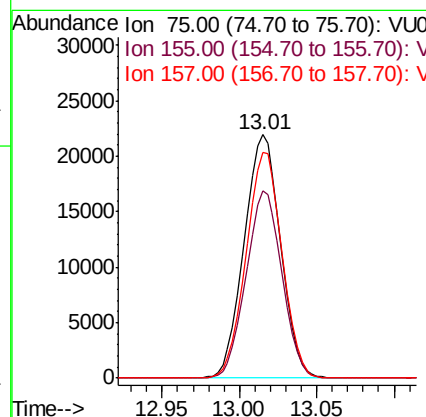
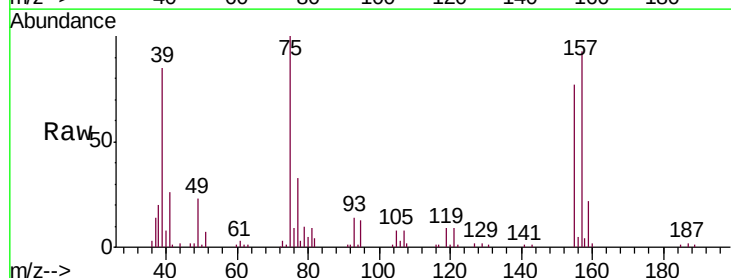
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

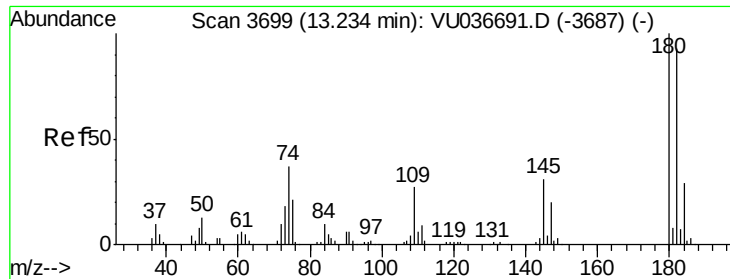
Tgt Ion: 146 Resp: 176456
 Ion Ratio Lower Upper
 146 100
 111 44.2 35.4 53.0
 148 63.4 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 46.146 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU036700.D
 Acq: 07 Feb 2020 14:07

Tgt Ion: 75 Resp: 35869
 Ion Ratio Lower Upper
 75 100
 155 77.2 58.7 88.1
 157 92.6 77.8 116.6





#69

1,3,5-Trichlorobenzene

Concen: 49.149 ug/L

RT: 13.23 min Scan# 3699

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD050109

Tgt Ion:180 Resp: 123406

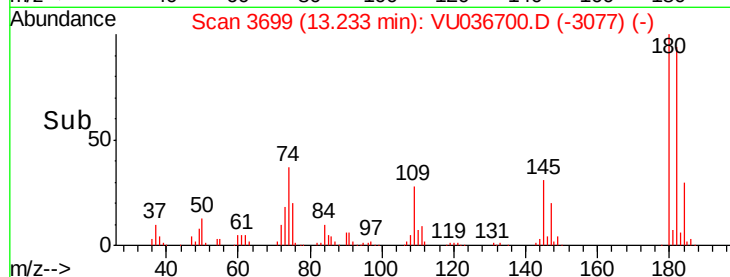
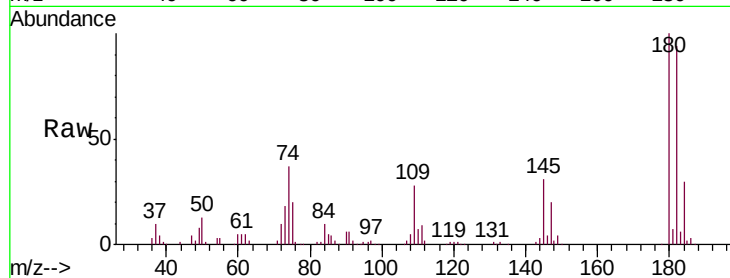
Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.4

184 30.0 23.8 35.6

145 30.9 25.0 37.6

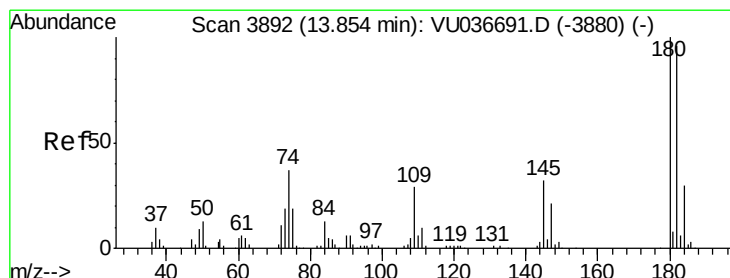
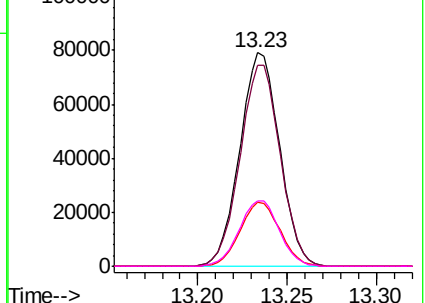


Abundance Ion 180.00 (179.70 to 180.70): V

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: 48.789 ug/L

RT: 13.85 min Scan# 3892

Delta R.T. -0.00 min

Lab File: VU036700.D

Acq: 07 Feb 2020 14:07

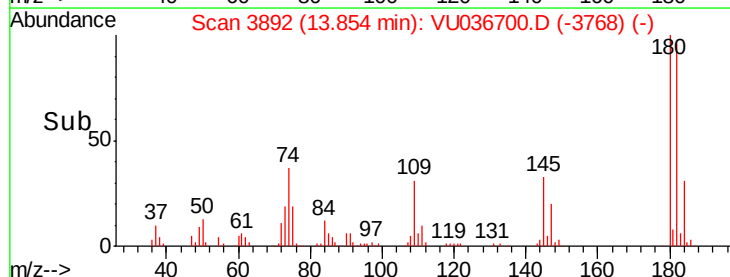
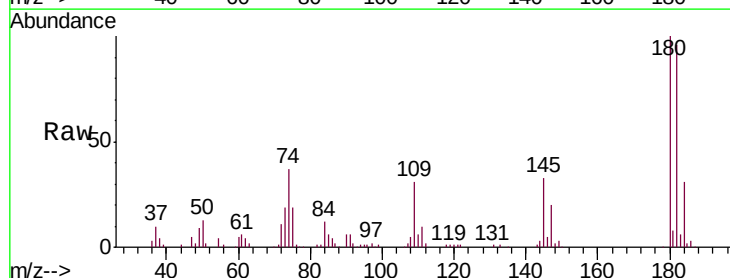
Tgt Ion:180 Resp: 102149

Ion Ratio Lower Upper

180 100

182 95.3 76.1 114.1

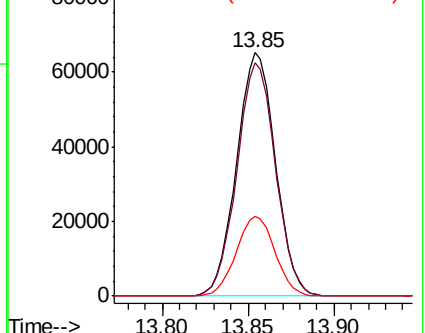
145 32.6 25.7 38.5

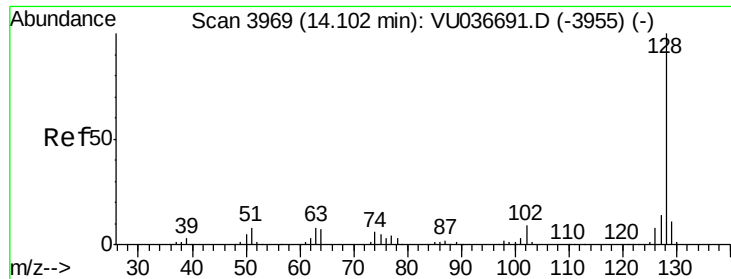


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

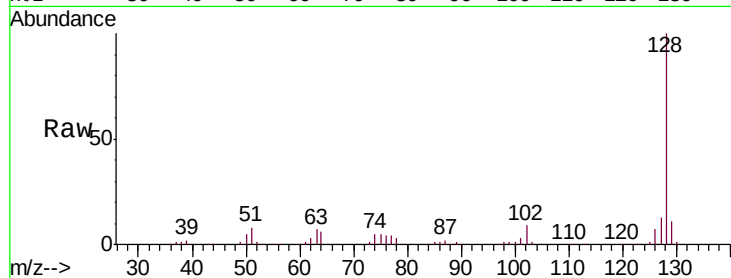




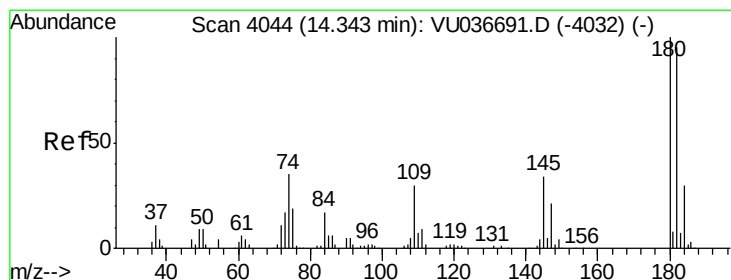
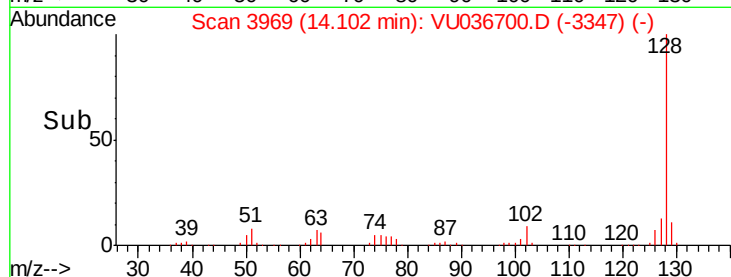
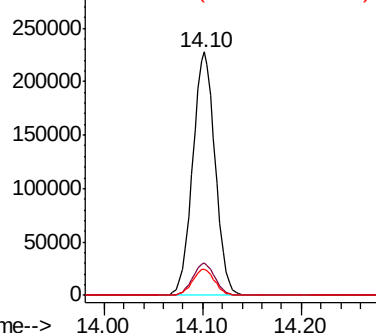
#71
Naphthalene
Concen: 49.185 ug/L
RT: 14.10 min Scan# 3969
Delta R.T. -0.00 min
Lab File: VU036700.D
Acq: 07 Feb 2020 14:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD050109

Tgt Ion:128 Resp: 362990
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 10.8 8.5 12.7

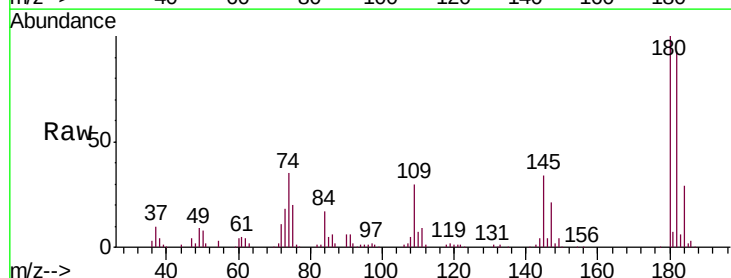


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 48.283 ug/L
RT: 14.34 min Scan# 4044
Delta R.T. -0.00 min
Lab File: VU036700.D
Acq: 07 Feb 2020 14:07

Tgt Ion:180 Resp: 100712
Ion Ratio Lower Upper
180 100
182 94.5 76.8 115.2
145 34.5 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

