

Data File : VU036682.D
Acq On : 06 Feb 2020 12:41
Operator : JC/MD
Sample : VSTD10034
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD100104

Quant Time: Feb 07 04:32:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 04:29:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	266684	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	252212	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	121668	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	183300	76.72	ug/L	0.00
7) Chloroethane-d5	1.92	69	167062	74.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	346609	86.72	ug/L	0.00
21) 2-Butanone-d5	4.67	46	325640	233.60	ug/L	0.00
24) Chloroform-d	5.11	84	341065	89.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	225441	93.95	ug/L	0.00
32) Benzene-d6	5.77	84	690530	97.30	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	229619	99.11	ug/L	0.00
41) Toluene-d8	7.93	98	639669	97.26	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	112720	102.25	ug/L	0.00
47) 2-Hexanone-d5	8.67	63	266932	267.72	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.78	84	343344	103.16	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.21	152	224264	92.97	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	184869	73.923	ug/L	100
3) Chloromethane	1.54	50	216206	81.338	ug/L	100
5) Vinyl chloride	1.62	62	230426	80.305	ug/L	100
6) Bromomethane	1.86	94	143978	72.312	ug/L	97
8) Chloroethane	1.94	64	143440	69.328	ug/L	100
9) Trichlorofluoromethane	2.15	101	278826	76.340	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	166126	90.570	ug/L	99
12) 1,1-Dichloroethene	2.60	96	162526	89.293	ug/L	95
13) Acetone	2.66	43	296185	219.342	ug/L	99
14) Carbon disulfide	2.82	76	490735	86.326	ug/L	100
15) Methyl Acetate	2.98	43	228576	103.340	ug/L	99
16) Methylene chloride	3.08	84	195772	93.627	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	174094	92.002	ug/L	99
18) Methyl tert-butyl Ether	3.41	73	600190	103.630	ug/L	100
19) 1,1-Dichloroethane	3.92	63	343289	93.683	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	199382	95.096	ug/L	99
22) 2-Butanone	4.75	43	370277	227.133	ug/L	99
23) Bromochloromethane	5.02	128	92010	86.783	ug/L	99
25) Chloroform	5.13	83	330498	87.295	ug/L	98
27) 1,2-Dichloroethane	5.83	62	280773	94.857	ug/L	100
29) Cyclohexane	5.43	56	322278	113.087	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	270908	89.237	ug/L	100
31) Carbon tetrachloride	5.56	117	219655	82.786	ug/L	100
33) Benzene	5.82	78	759683	98.654	ug/L	100
34) Trichloroethene	6.58	95	190957	94.433	ug/L	99
35) Methylcyclohexane	6.80	83	338317	112.027	ug/L	99
37) 1,2-Dichloropropane	6.83	63	205413	97.790	ug/L	99
38) Bromodichloromethane	7.14	83	254151	94.620	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	338860	108.243	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	654671	237.856	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	829427	102.068	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	298036	104.907	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	185179	93.720	ug/L	98
46) Tetrachloroethene	8.58	164	130538	84.582	ug/L	98
48) 2-Hexanone	8.72	43	538328	253.981	ug/L	100
49) Dibromochloromethane	8.84	129	189144	87.896	ug/L	99
50) 1,2-Dibromoethane	8.95	107	199707	96.897	ug/L	99
51) Chlorobenzene	9.47	112	499052	95.297	ug/L	100
52) Ethylbenzene	9.60	91	922618	107.029	ug/L	100
53) m,p-Xylene	9.72	106	342754	107.073	ug/L	99
54) o-xylene	10.13	106	336920	106.889	ug/L	100
55) Styrene	10.14	104	580742	109.100	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.81	83	344708	102.780	ug/L	99
59) Bromoform	10.32	173	136458	89.373	ug/L	99
60) 1,2,3-Trichloropropane	10.85	75	274502	107.838	ug/L	99
61) Isopropylbenzene	10.51	105	888239	113.694	ug/L	100
62) 1,3,5-Trimethylbenzene	11.11	105	775298	121.538	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	772591	122.296	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	379483	100.434	ug/L	100
65) 1,4-Dichlorobenzene	11.86	146	376486	97.477	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	375669	97.752	ug/L	98
68) 1,2-Dibromo-3-chloropropan	13.01	75	83325	116.323	ug/L	97
69) 1,3,5-Trichlorobenzene	13.23	180	267910	95.390	ug/L	100
70) 1,2,4-trichlorobenzene	13.85	180	235255	101.460	ug/L	100
71) Naphthalene	14.10	128	871283	121.906	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	230806	96.344	ug/L	99

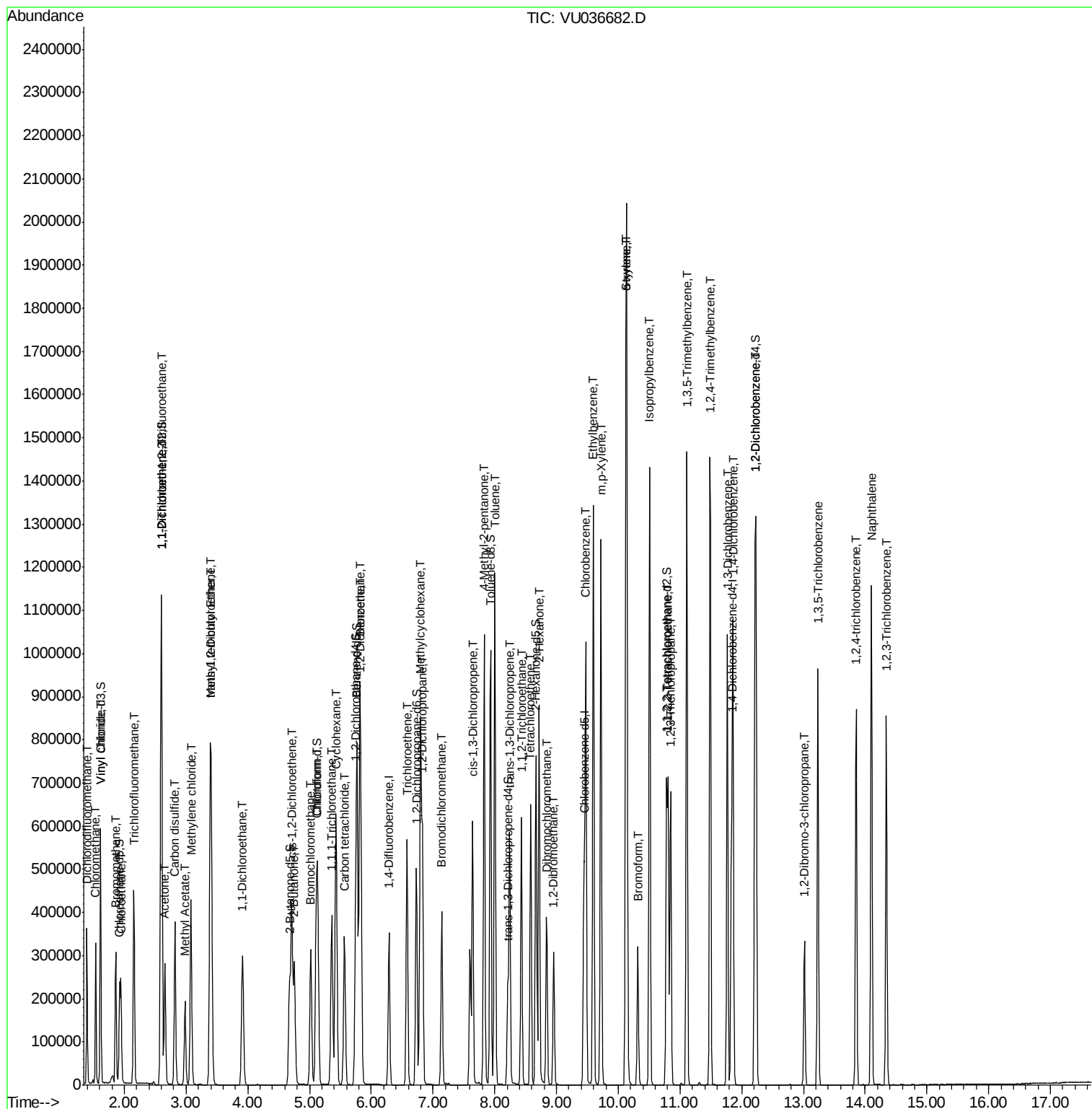
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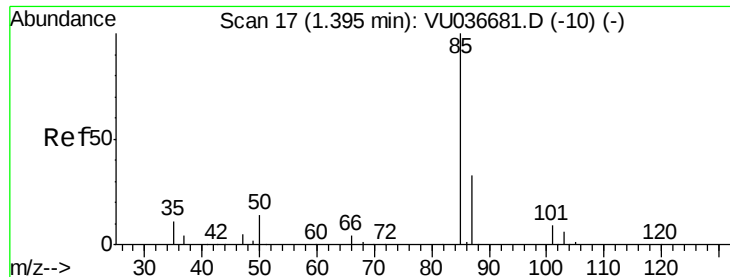
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#2

Dichlorodifluoromethane

Concen: 73.923 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

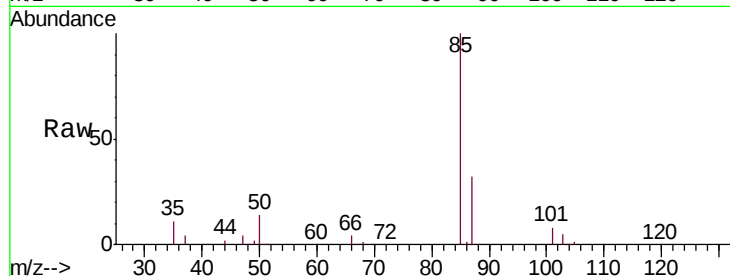
VSTD100104

Tgt Ion: 85 Resp: 184869

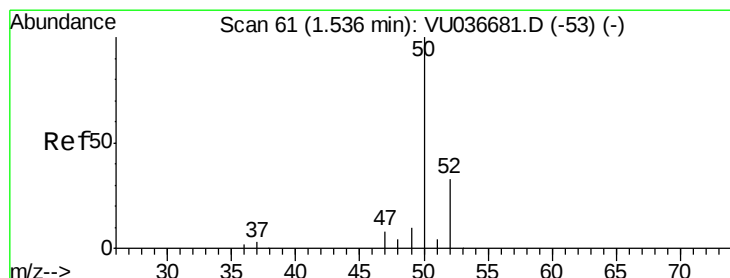
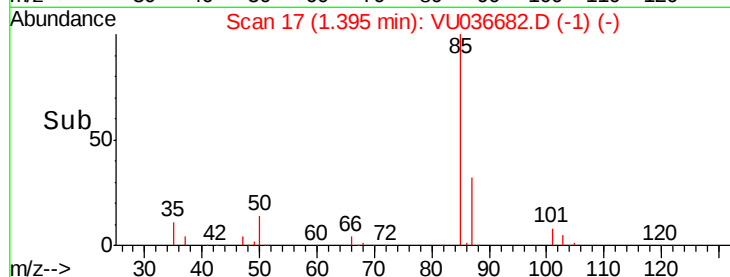
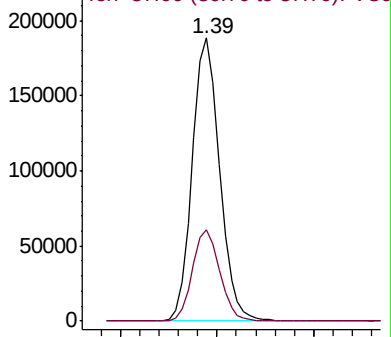
Ion Ratio Lower Upper

85 100

87 32.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU036682.D (-1) (-)



#3

Chloromethane

Concen: 81.338 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036682.D

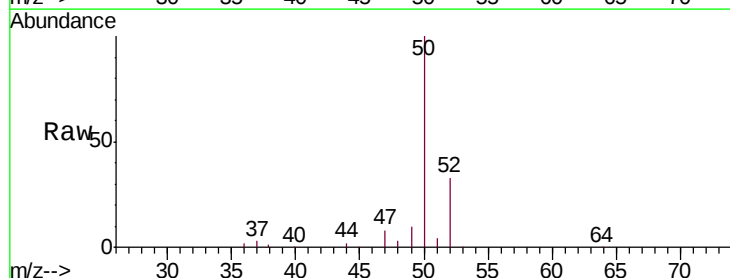
Acq: 06 Feb 2020 12:41

Tgt Ion: 50 Resp: 216206

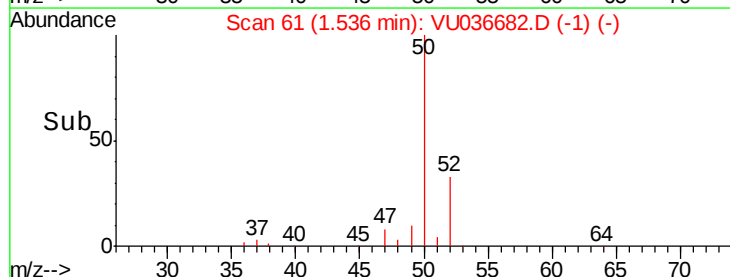
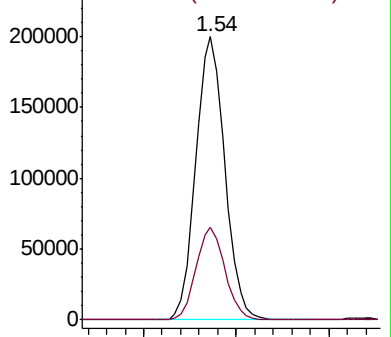
Ion Ratio Lower Upper

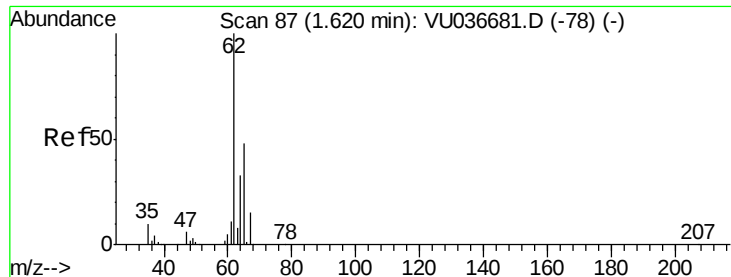
50 100

52 32.6 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU036682.D (-1) (-)





#5

Vinyl chloride

Concen: 80.305 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

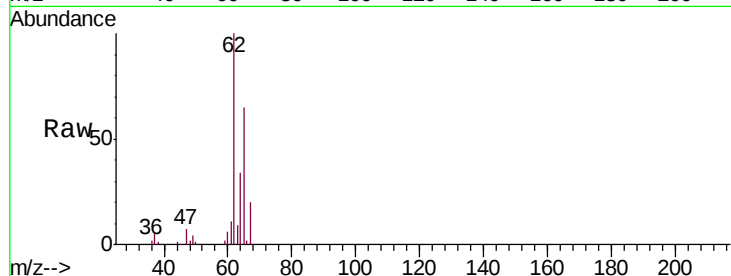
VSTD100104

Tgt Ion: 62 Resp: 230426

Ion Ratio Lower Upper

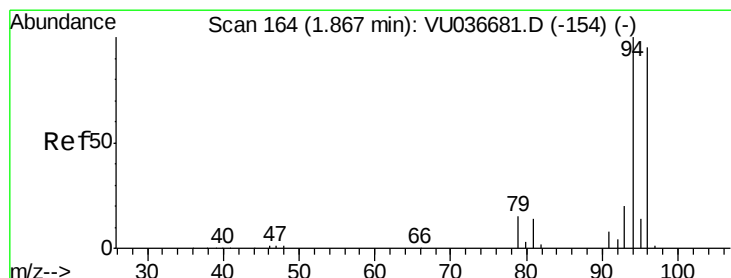
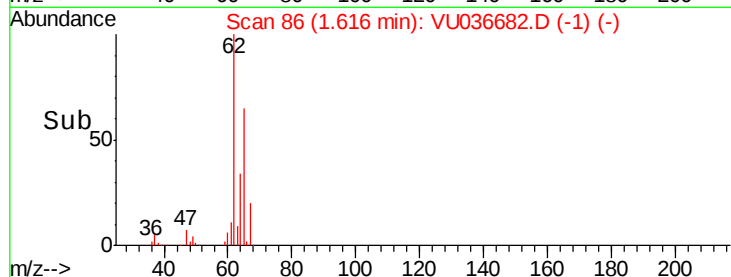
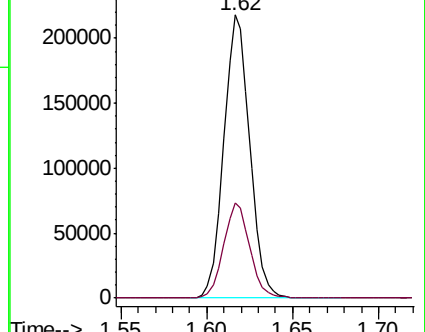
62 100

64 33.5 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VU036681.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036681.D (-78) (-)



#6

Bromomethane

Concen: 72.312 ug/L

RT: 1.86 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU036682.D

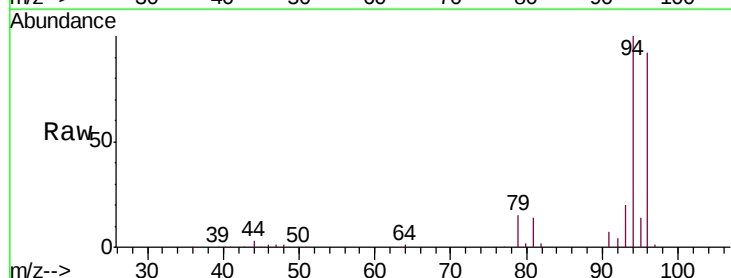
Acq: 06 Feb 2020 12:41

Tgt Ion: 94 Resp: 143978

Ion Ratio Lower Upper

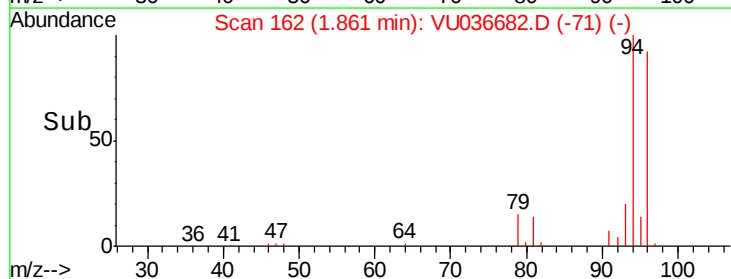
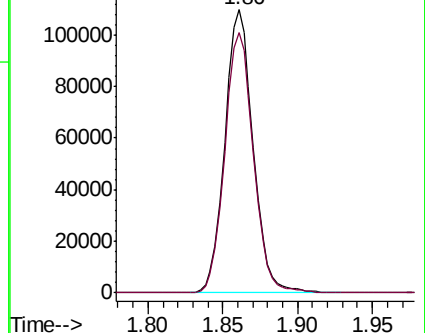
94 100

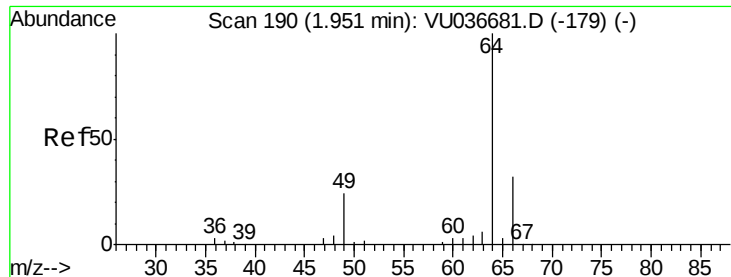
96 92.0 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU036681.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU036681.D (-154) (-)





#8

Chloroethane

Concen: 69.328 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.01 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

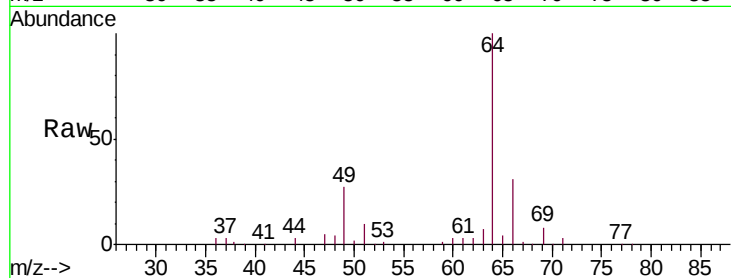
VSTD100104

Tgt Ion: 64 Resp: 143440

Ion Ratio Lower Upper

64 100

66 31.4 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU036681.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU036682.D (-66) (-)

1.94

120000

100000

80000

60000

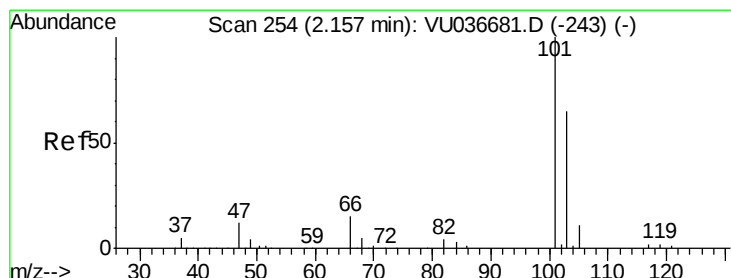
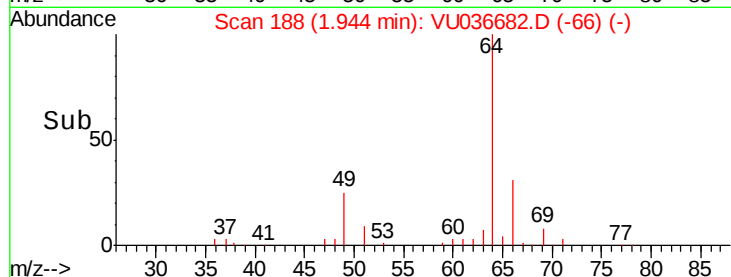
40000

20000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 76.340 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU036682.D

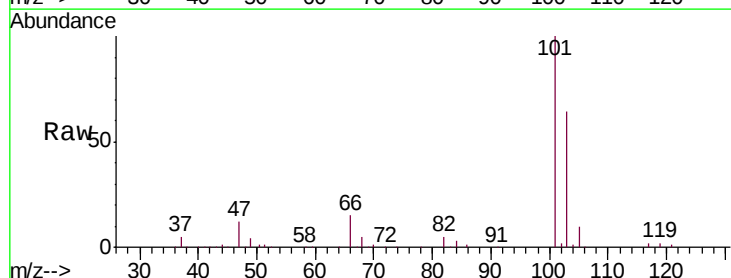
Acq: 06 Feb 2020 12:41

Tgt Ion: 101 Resp: 278826

Ion Ratio Lower Upper

101 100

103 64.3 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VU036681.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036682.D (-130) (-)

2.15

200000

150000

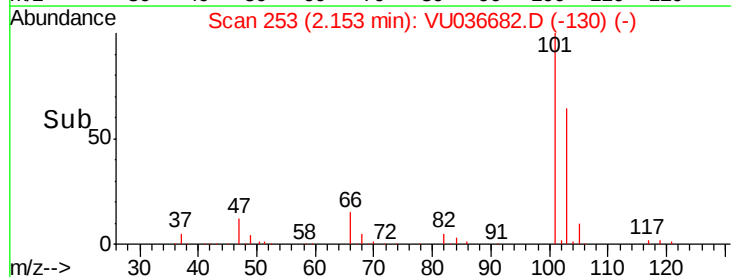
100000

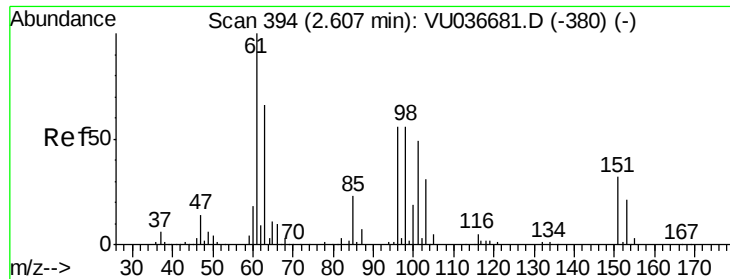
50000

0

2.10 2.15 2.20 2.25

Time-->





#10

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

Concen: 90.570 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD100104

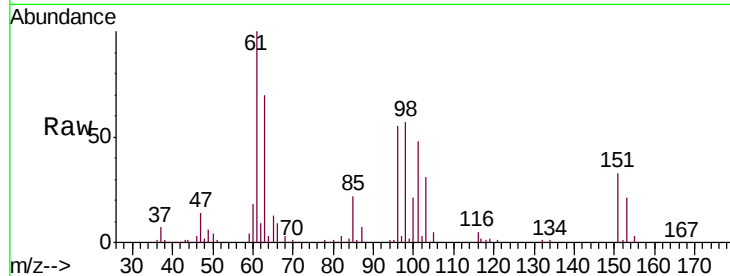
Tgt Ion:101 Resp: 166126

Ion Ratio Lower Upper

101 100

85 45.4 36.5 54.7

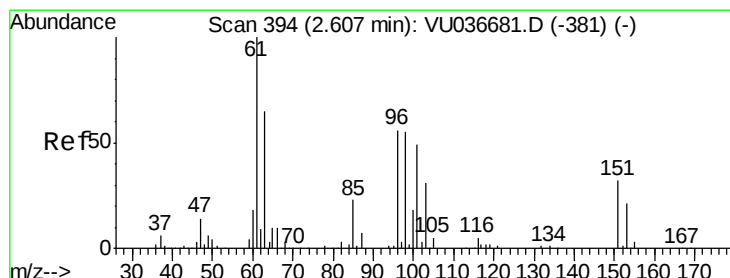
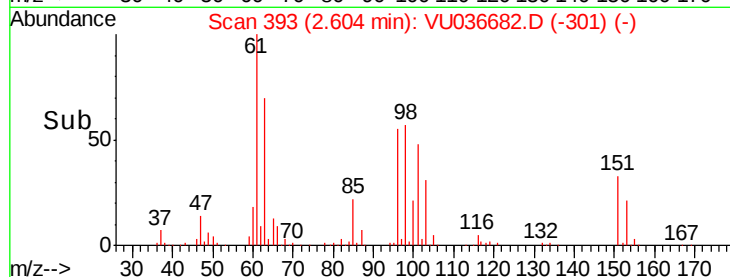
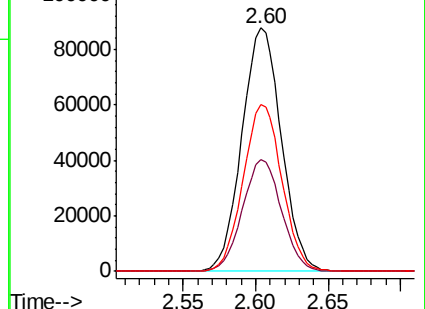
151 67.4 52.6 78.8



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: 89.293 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

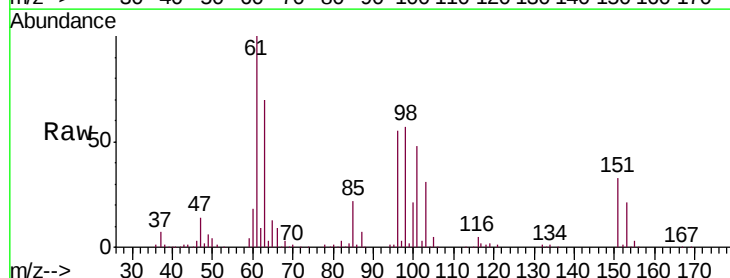
Tgt Ion: 96 Resp: 162526

Ion Ratio Lower Upper

96 100

61 181.2 124.4 231.0

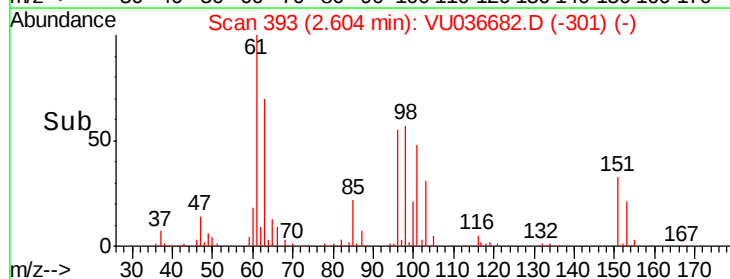
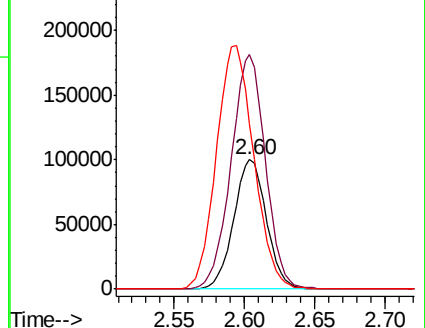
63 127.5 83.4 155.0

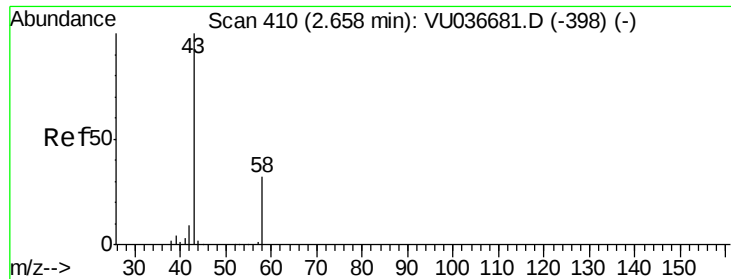


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 219.342 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU036682.D

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ClientSampleId :

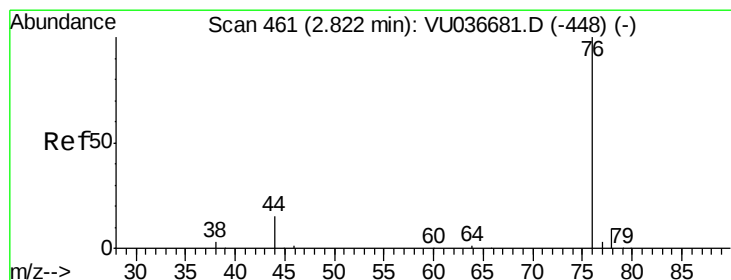
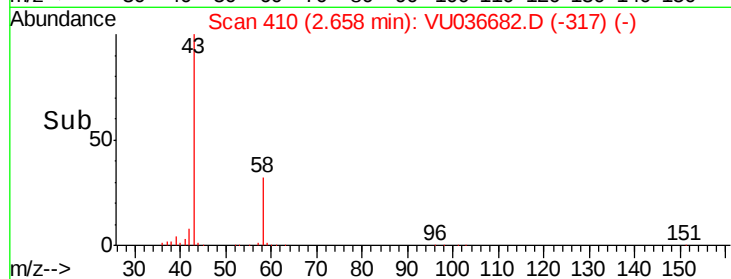
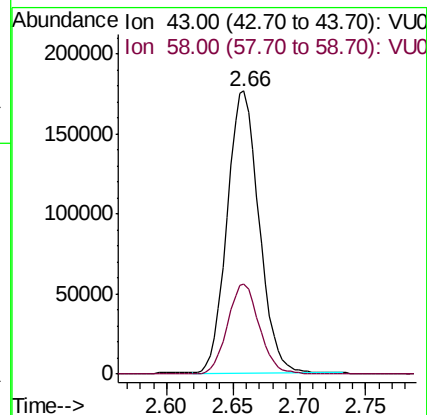
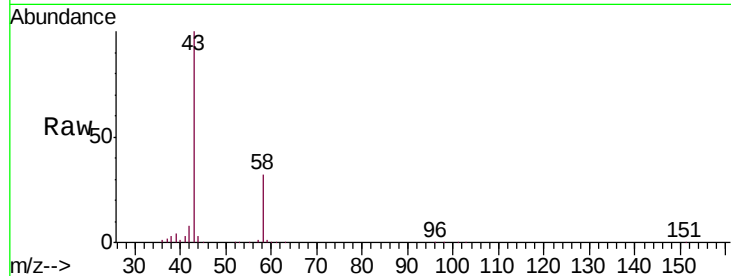
VSTD100104

Tgt Ion: 43 Resp: 296185

Ion Ratio Lower Upper

43 100

58 31.7 0.0 64.0



#14

Carbon disulfide

Concen: 86.326 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036682.D

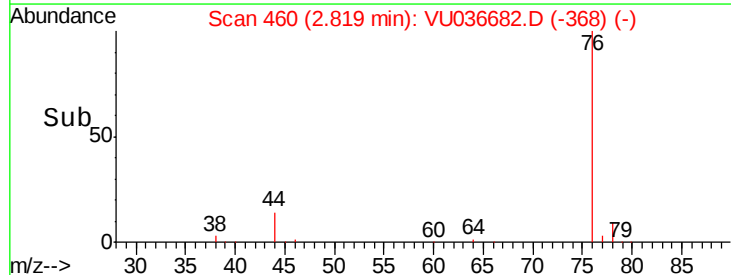
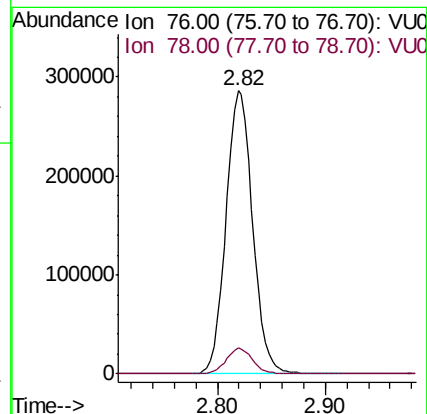
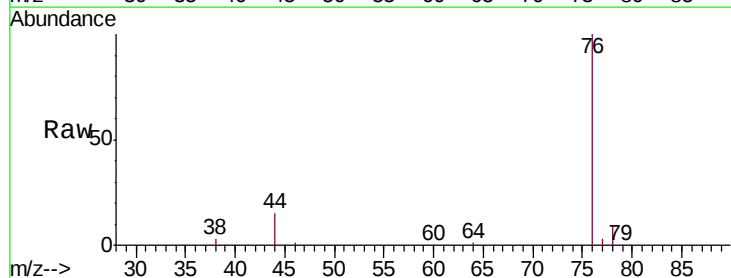
Acq: 06 Feb 2020 12:41

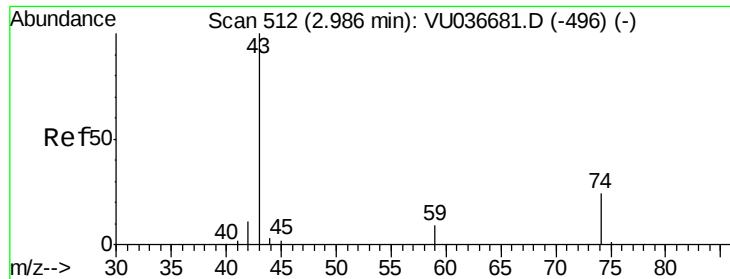
Tgt Ion: 76 Resp: 490735

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

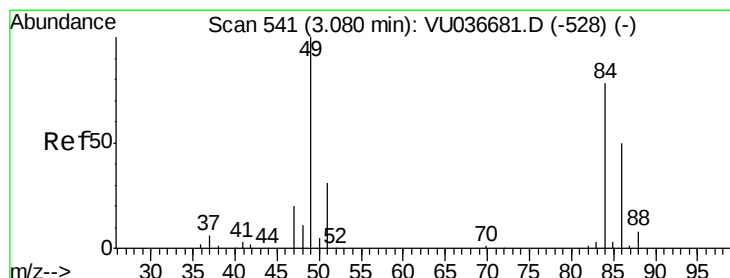
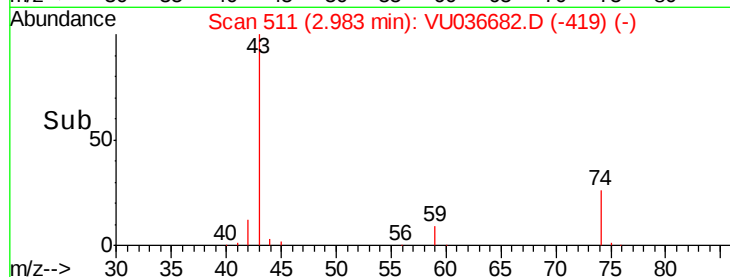
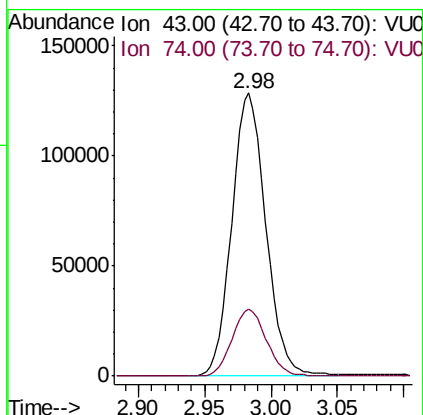
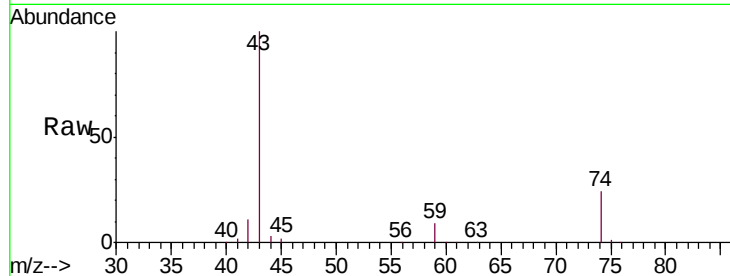




#15
Methyl Acetate
Concen: 103.340 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

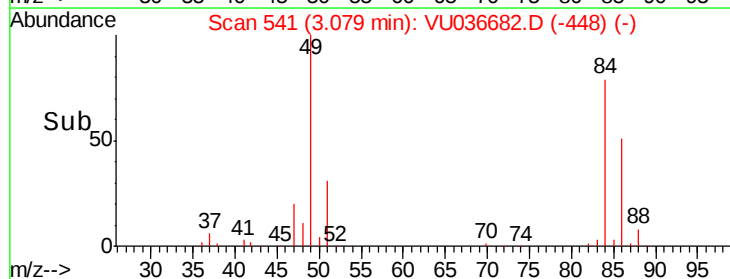
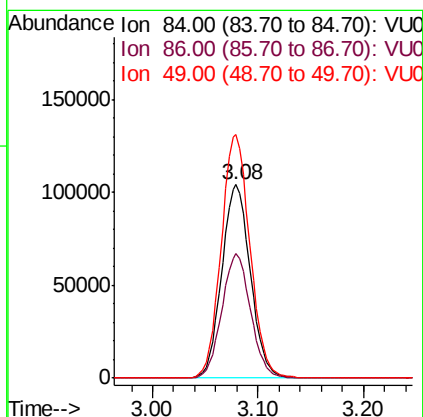
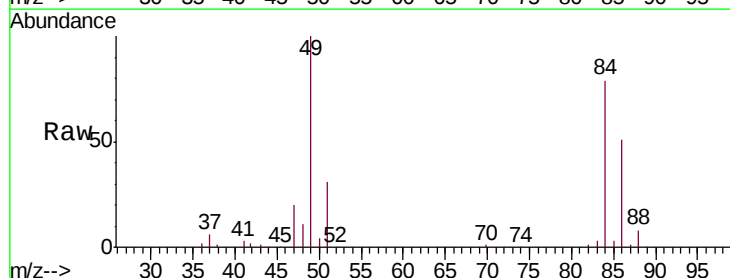
Instrument :
MSVOA_U
ClientSampleId :
VSTD100104

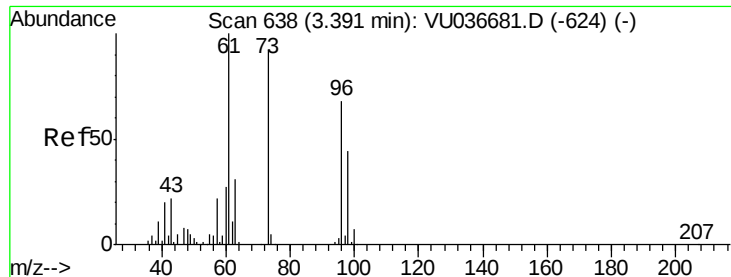
Tgt Ion: 43 Resp: 228576
Ion Ratio Lower Upper
43 100
74 24.0 18.7 28.1



#16
Methylene chloride
Concen: 93.627 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

Tgt Ion: 84 Resp: 195772
Ion Ratio Lower Upper
84 100
86 64.1 44.4 82.5
49 125.9 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 92.002 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD100104

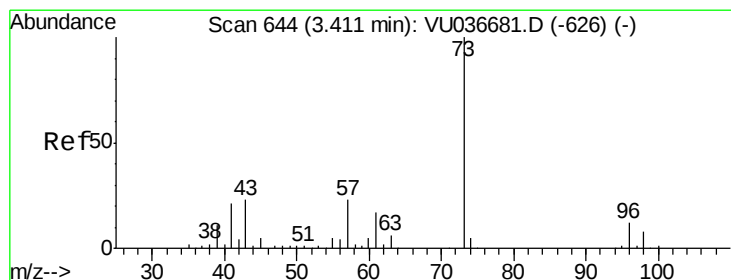
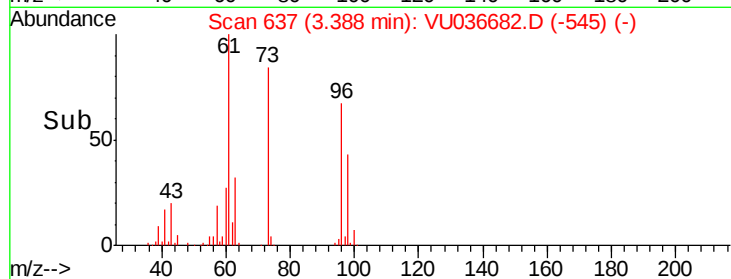
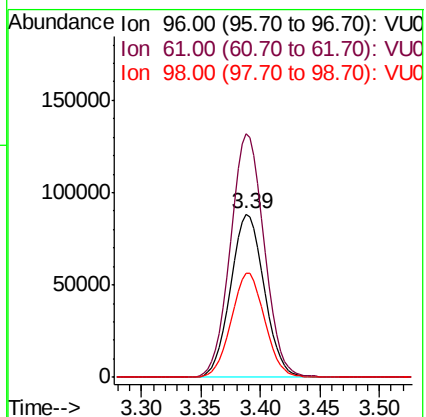
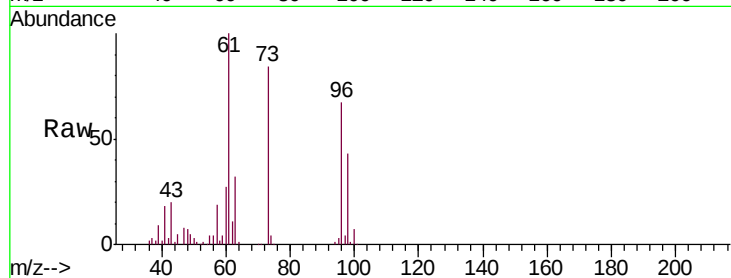
Tgt Ion: 96 Resp: 174094

Ion Ratio Lower Upper

96 100

61 149.4 103.4 192.0

98 64.1 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 103.630 ug/L

RT: 3.41 min Scan# 643

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

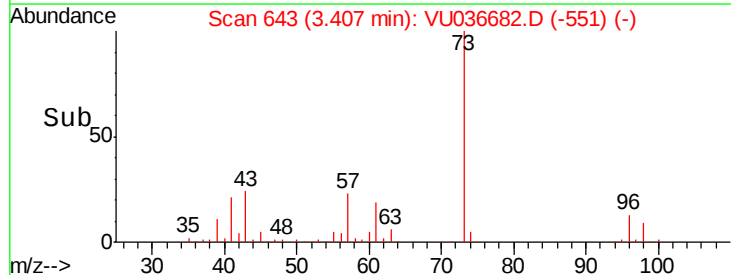
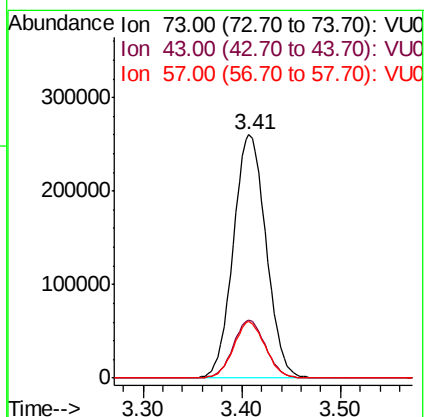
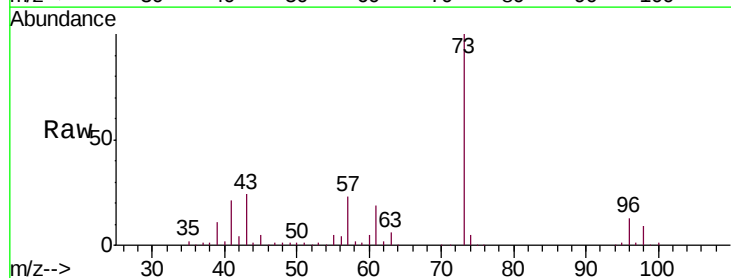
Tgt Ion: 73 Resp: 600190

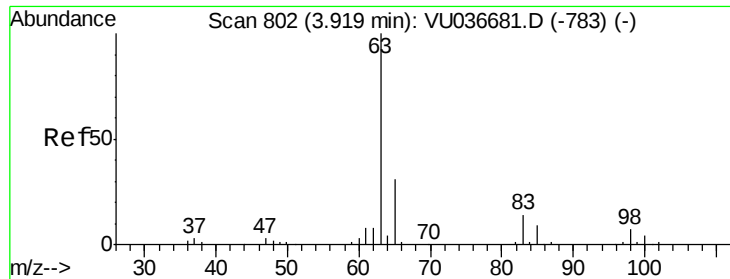
Ion Ratio Lower Upper

73 100

43 23.4 18.6 28.0

57 22.5 18.3 27.5





#19

1,1-Dichloroethane

Concen: 93.683 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD100104

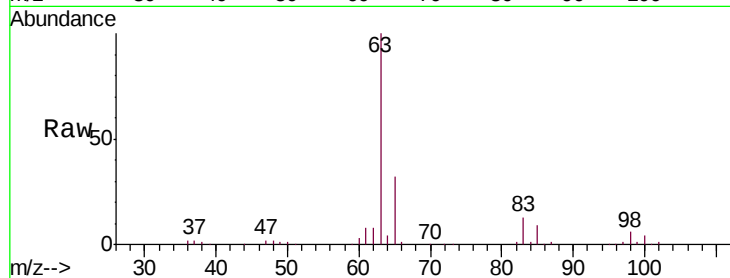
Tgt Ion: 63 Resp: 343289

Ion Ratio Lower Upper

63 100

65 32.2 22.0 40.8

83 13.1 10.1 18.7

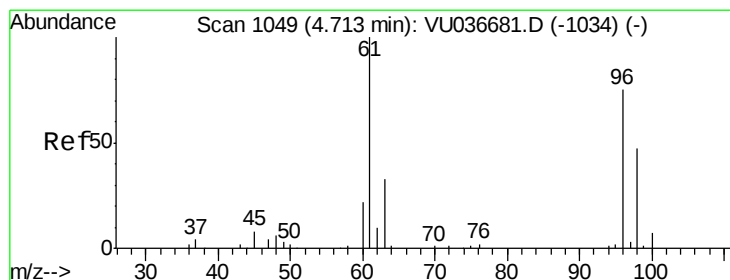
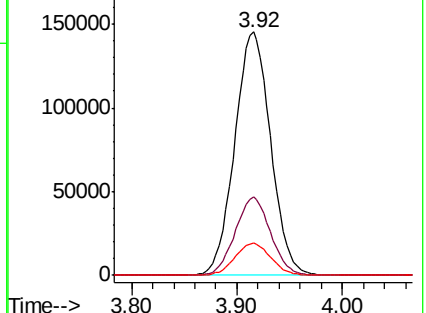
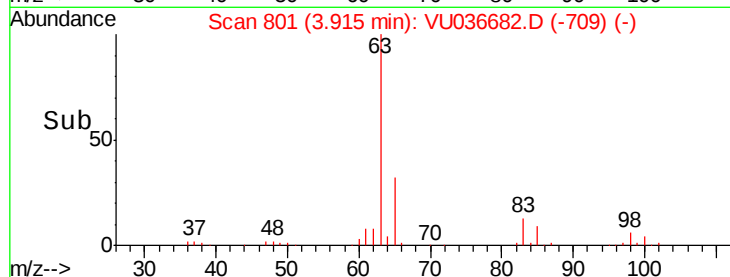


Abundance Ion 63.00 (62.70 to 63.70): VU036682.D (-783) (-)

Ion 65.00 (64.70 to 65.70): VU036682.D (-783) (-)

Ion 83.00 (82.70 to 83.70): VU036682.D (-783) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 95.096 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

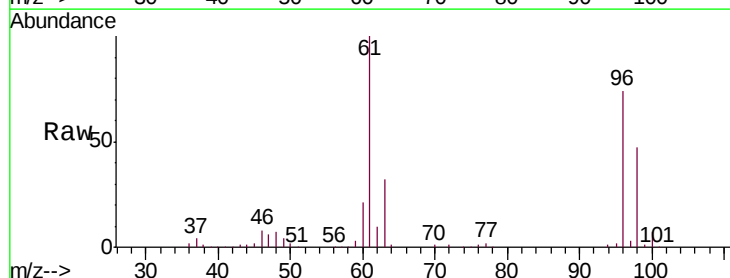
Tgt Ion: 96 Resp: 199382

Ion Ratio Lower Upper

96 100

61 134.8 93.3 173.3

68 0.0 0.0 0.0

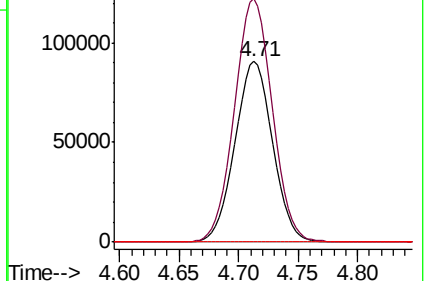
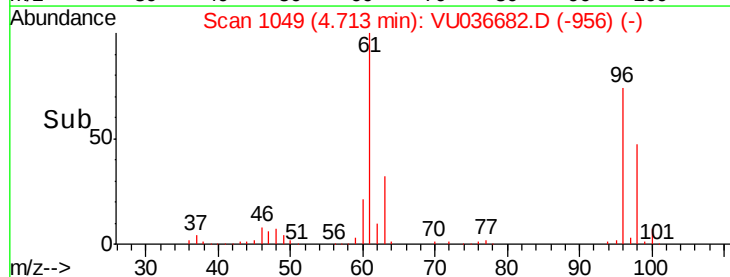


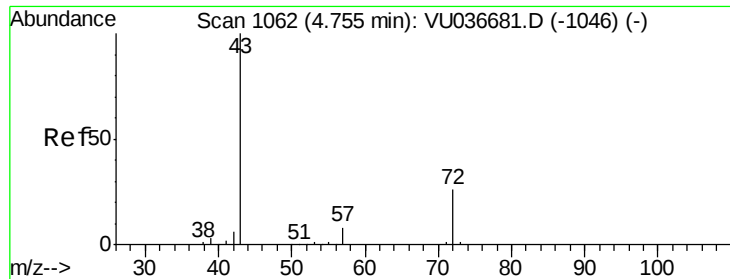
Abundance Ion 96.00 (95.70 to 96.70): VU036682.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU036682.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU036682.D (-956) (-)

Time-->





#22

2-Butanone

Concen: 227.133 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

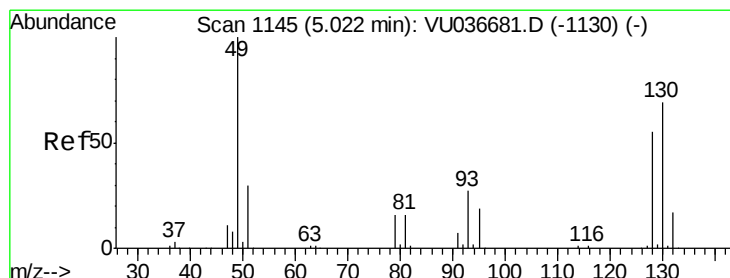
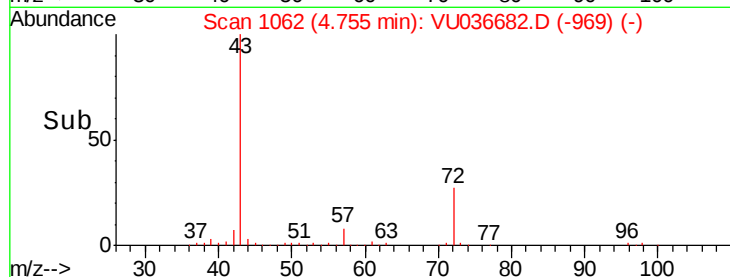
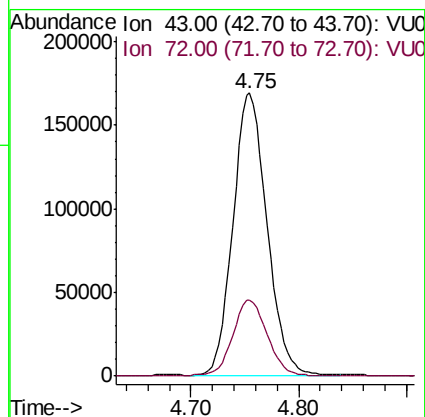
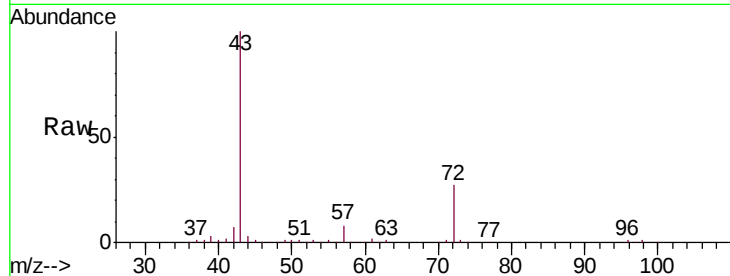
VSTD100104

Tgt Ion: 43 Resp: 370277

Ion Ratio Lower Upper

43 100

72 27.6 13.6 40.7



#23

Bromochloromethane

Concen: 86.783 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Tgt Ion: 128 Resp: 92010

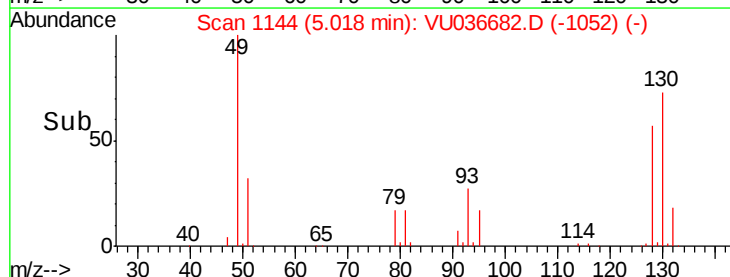
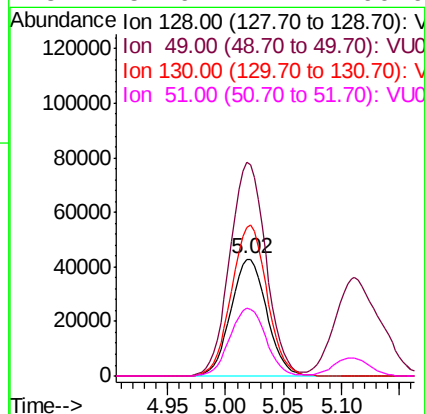
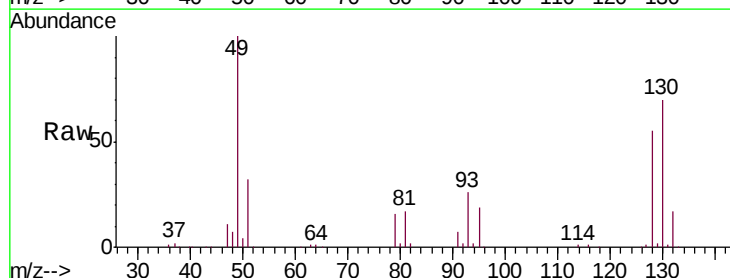
Ion Ratio Lower Upper

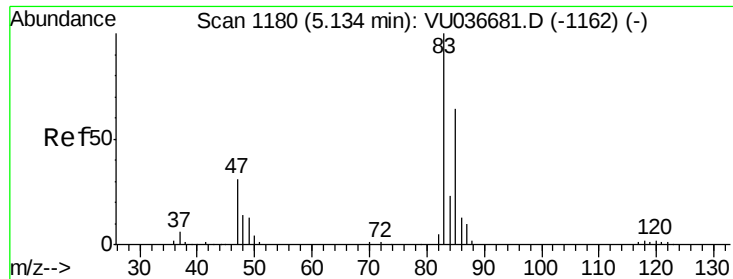
128 100

49 182.5 127.3 236.5

130 127.4 88.5 164.3

51 57.6 44.4 66.6

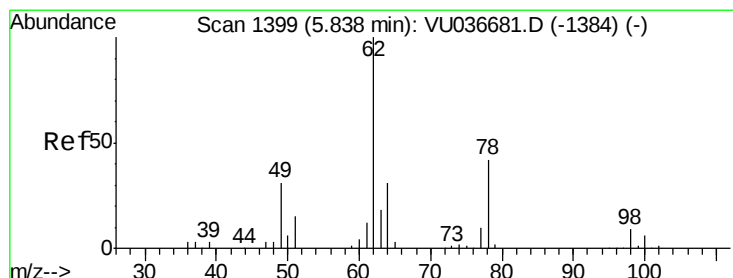
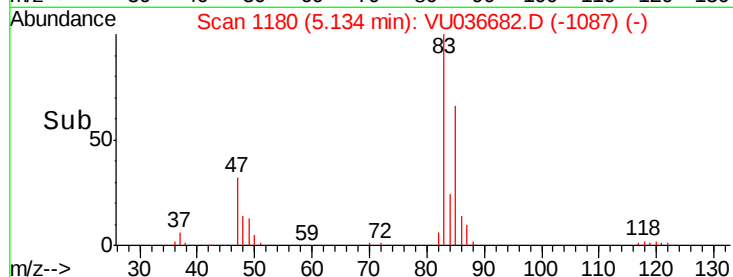
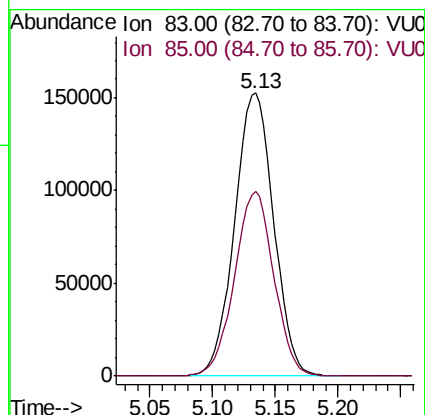
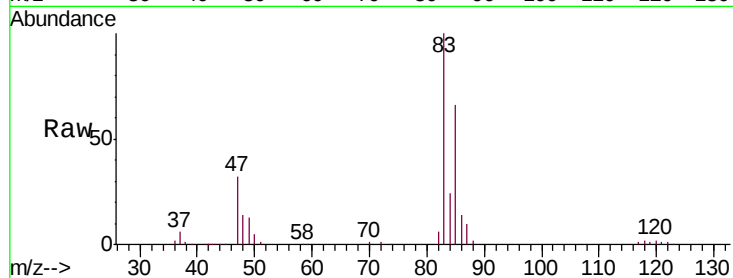




#25
Chloroform
Concen: 87.295 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

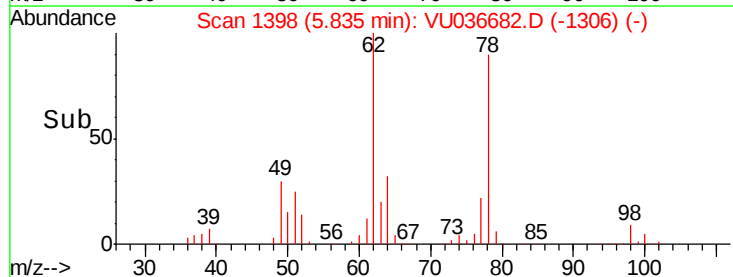
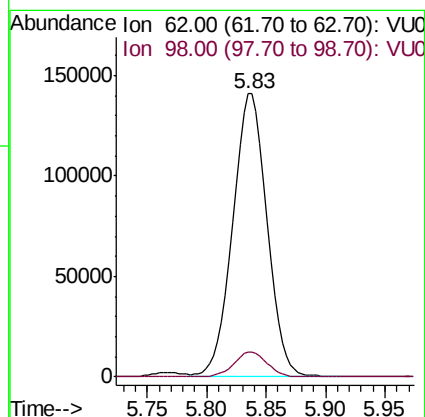
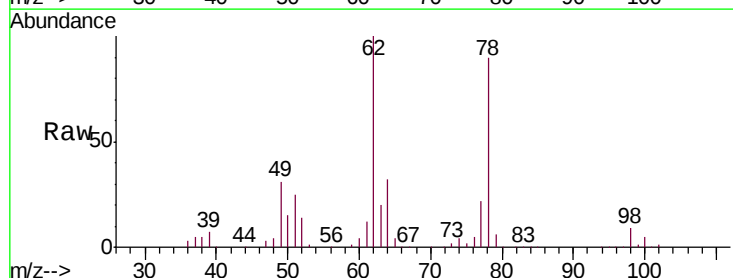
Instrument :
MSVOA_U
ClientSampleId :
VSTD100104

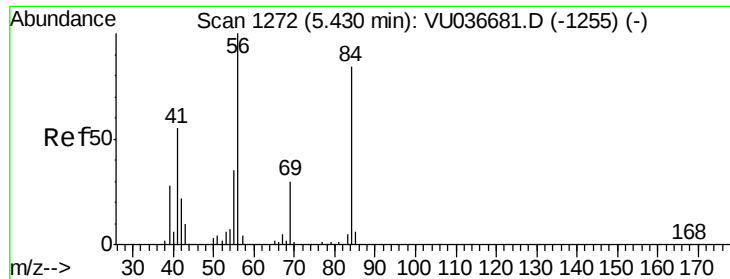
Tgt Ion: 83 Resp: 330498
Ion Ratio Lower Upper
83 100
85 65.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 94.857 ug/L
RT: 5.83 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

Tgt Ion: 62 Resp: 280773
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.4

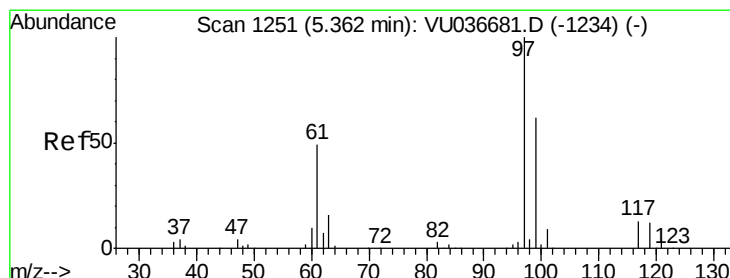
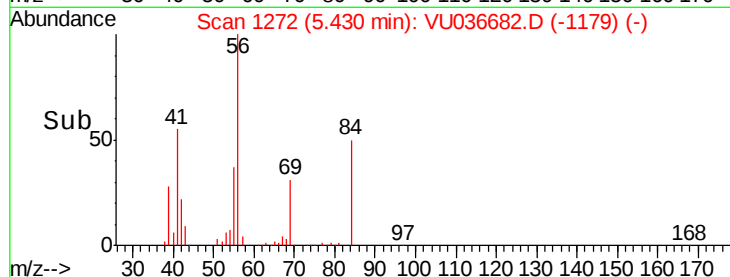
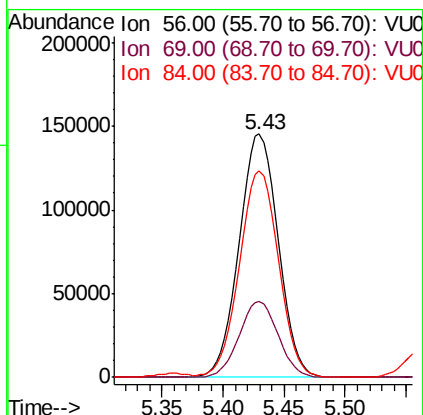
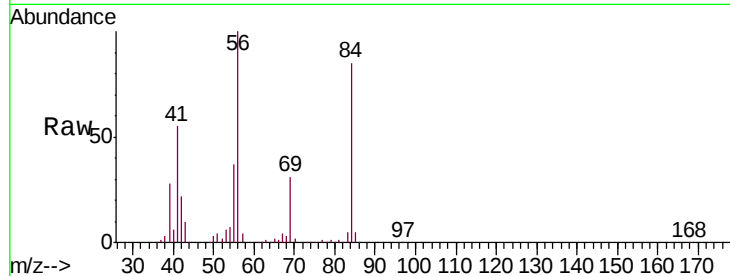




#29
Cyclohexane
Concen: 113.087 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

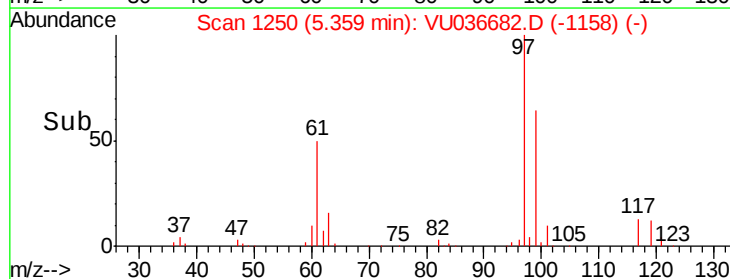
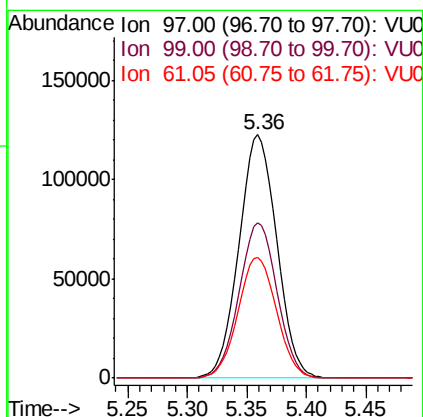
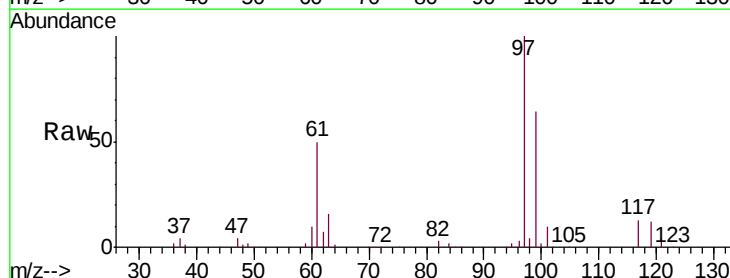
Instrument :
MSVOA_U
ClientSampleId :
VSTD100104

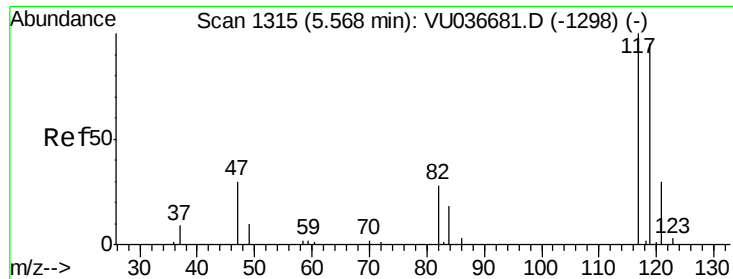
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.0	37.4
84	84.8	68.2	102.2



#30
1,1,1-Trichloroethane
Concen: 89.237 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.9	76.3
61	50.4	40.2	60.2





#31

Carbon tetrachloride

Concen: 82.786 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

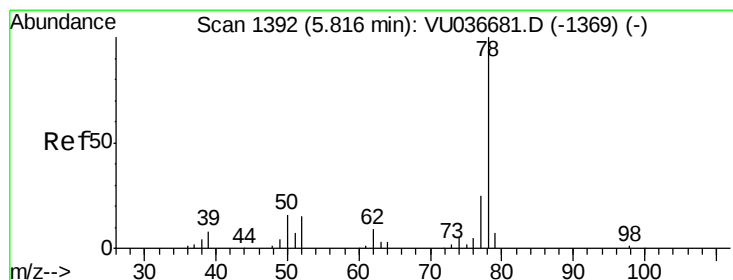
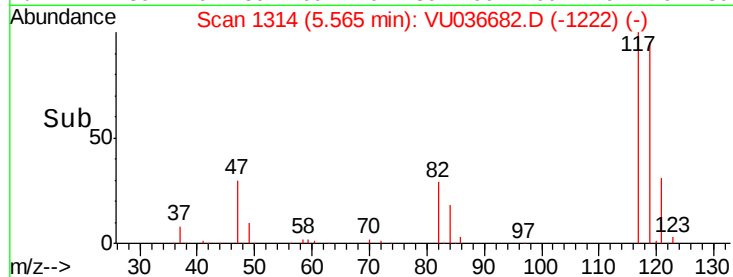
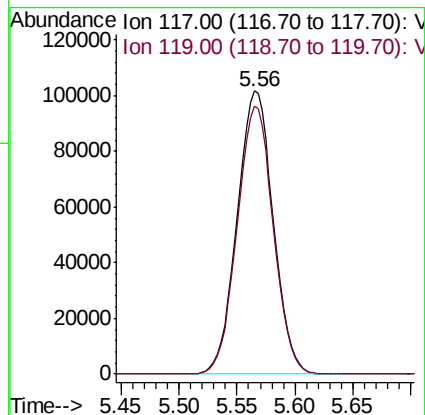
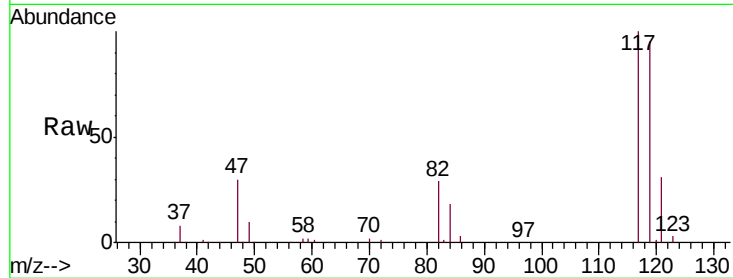
VSTD100104

Tgt Ion:117 Resp: 219655

Ion Ratio Lower Upper

117 100

119 94.8 76.2 114.4



#33

Benzene

Concen: 98.654 ug/L

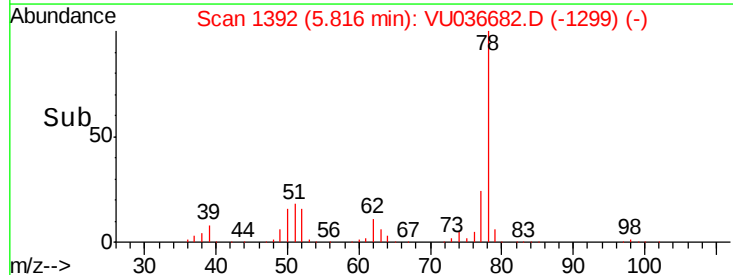
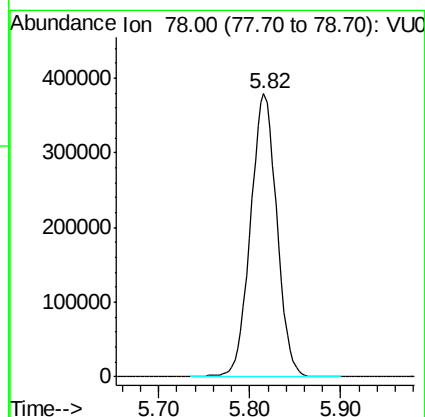
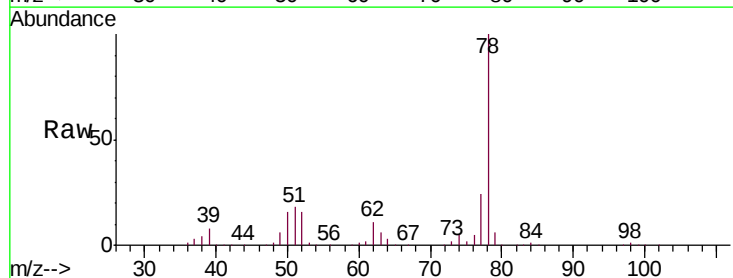
RT: 5.82 min Scan# 1392

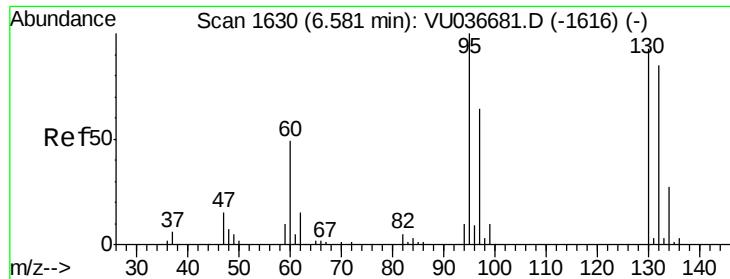
Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Tgt Ion: 78 Resp: 759683





#34

Trichloroethene

Concen: 94.433 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD100104

Tgt Ion: 95 Resp: 190957

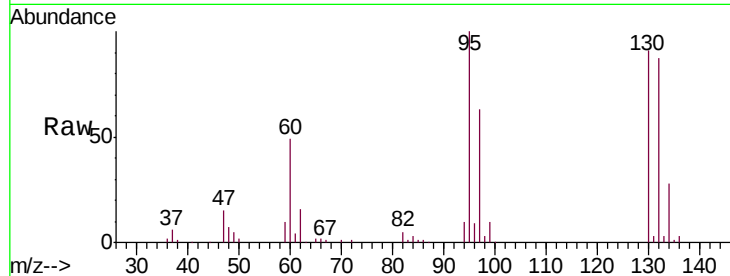
Ion Ratio Lower Upper

95 100

97 63.5 44.5 82.7

132 86.5 59.6 110.8

130 91.1 65.0 120.8

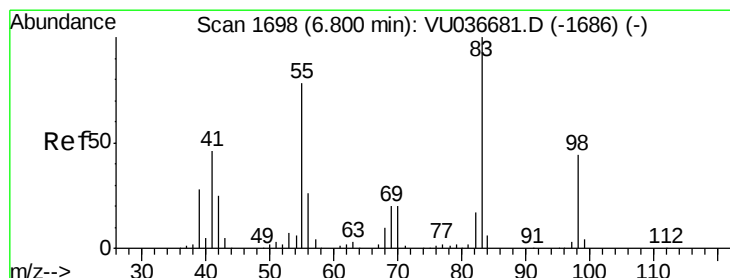
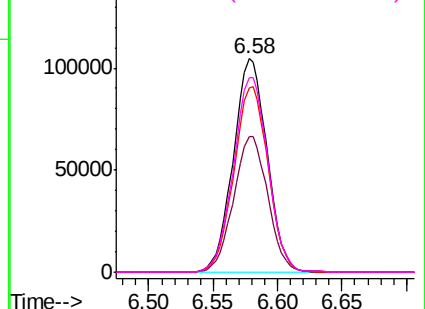
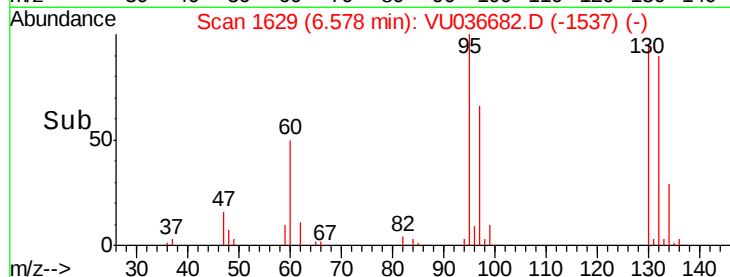


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 112.027 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

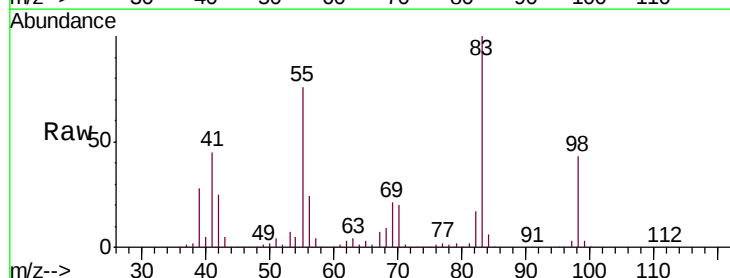
Tgt Ion: 83 Resp: 338317

Ion Ratio Lower Upper

83 100

55 77.0 61.2 91.8

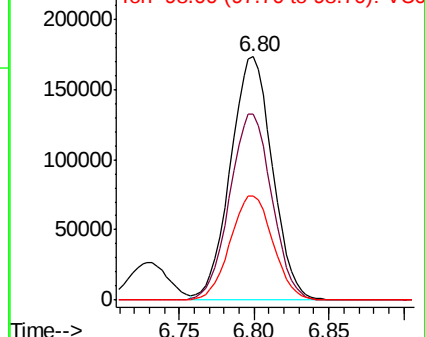
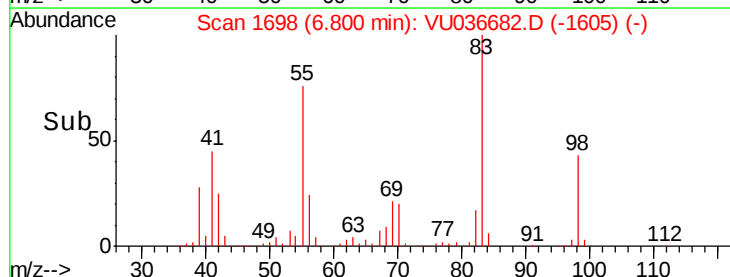
98 43.8 35.4 53.0

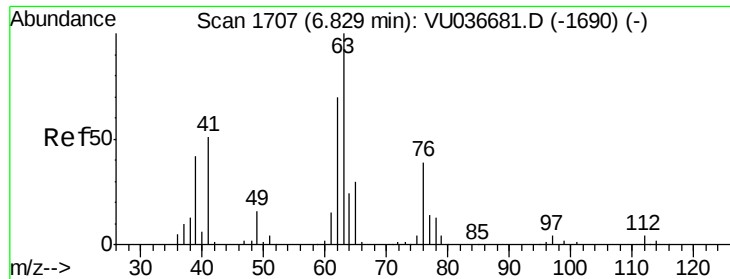


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

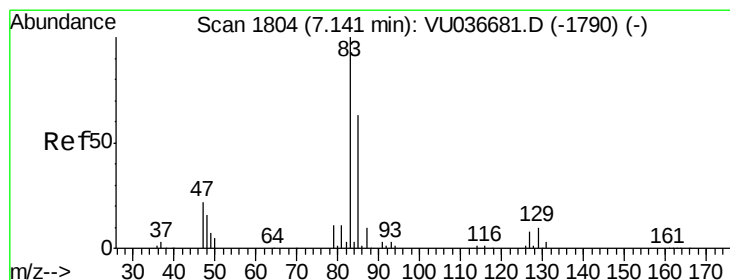
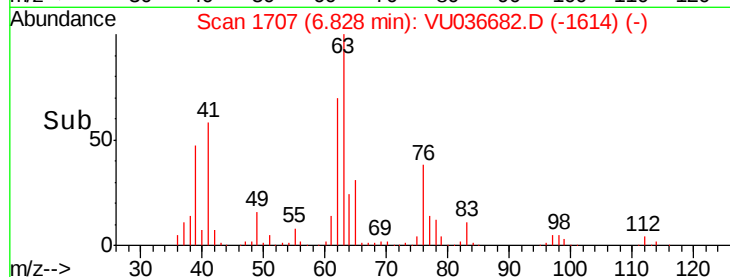
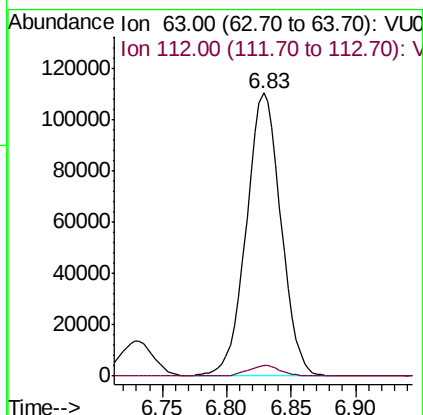
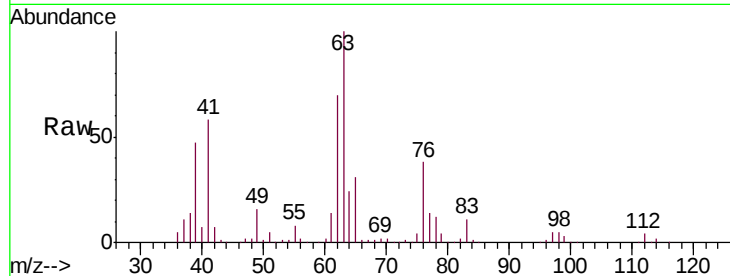




#37
 1,2-Dichloropropane
 Concen: 97.790 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036682.D
 Acq: 06 Feb 2020 12:41

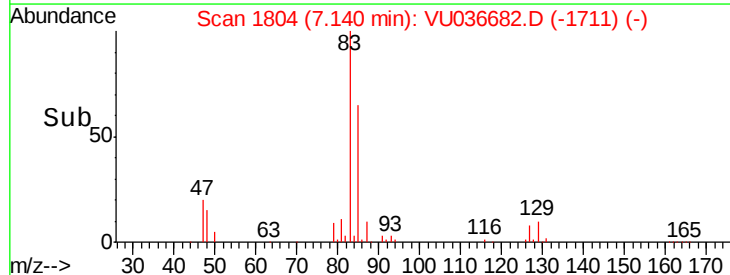
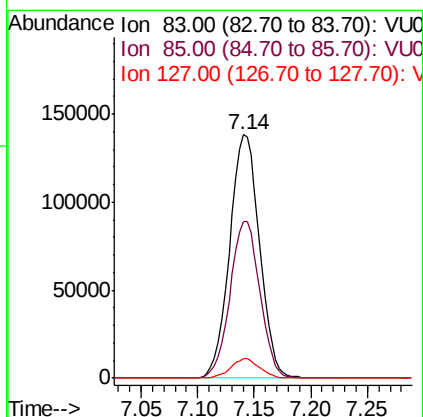
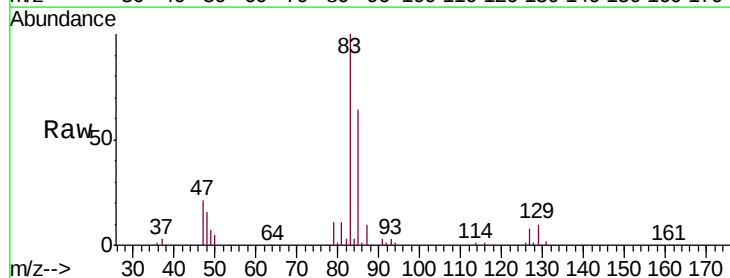
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100104

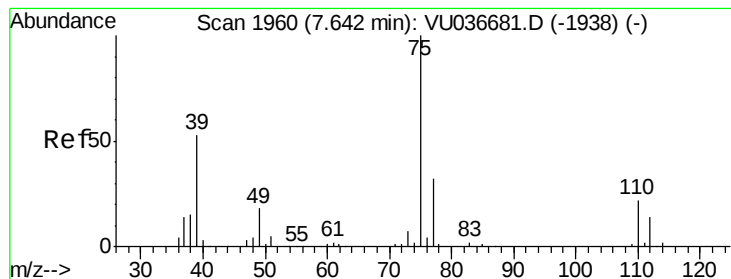
Tgt Ion: 63 Resp: 205413
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.1 4.7



#38
 Bromodichloromethane
 Concen: 94.620 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036682.D
 Acq: 06 Feb 2020 12:41

Tgt Ion: 83 Resp: 254151
 Ion Ratio Lower Upper
 83 100
 85 64.4 43.9 81.5
 127 7.8 6.0 9.0



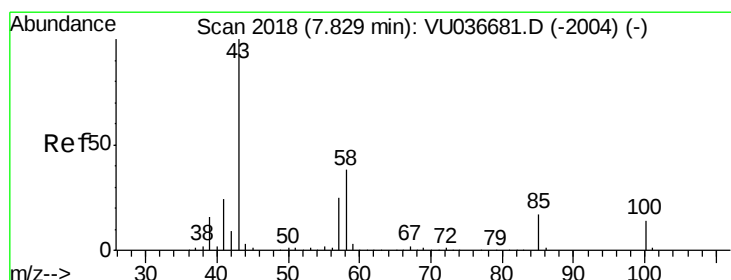
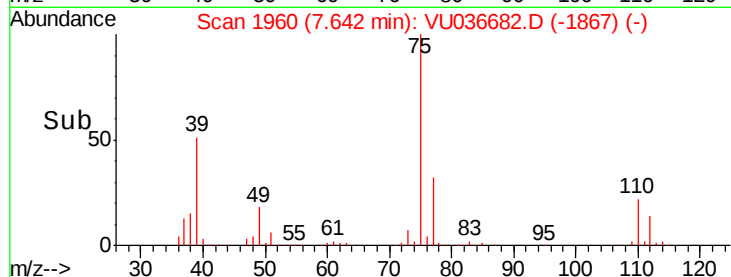
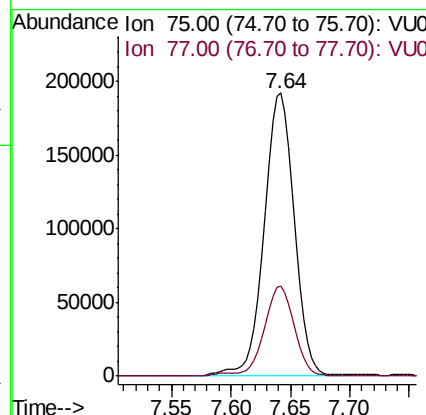
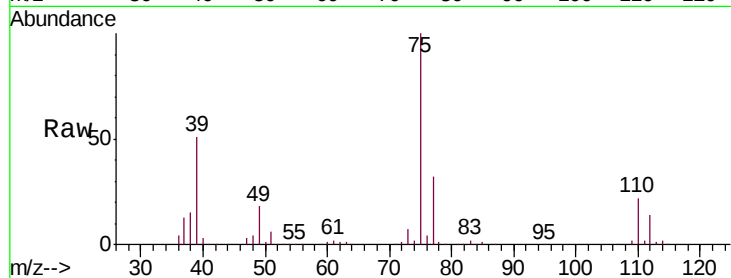


#39

cis-1,3-Dichloropropene
Concen: 108.243 ug/L
RT: 7.64 min Scan# 1960
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD100104

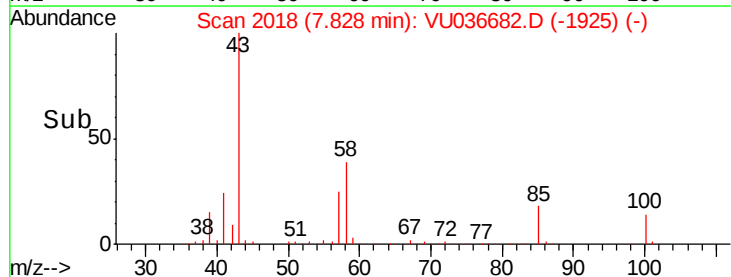
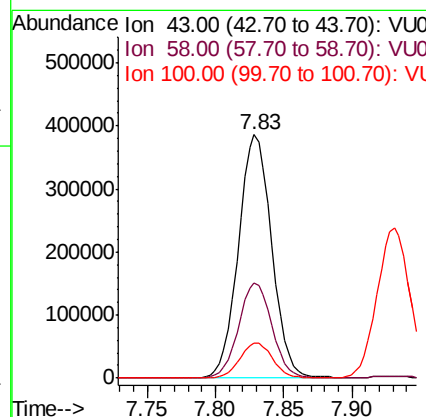
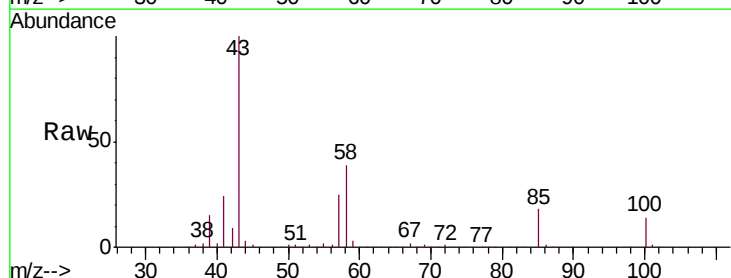
Tgt Ion: 75 Resp: 338860
Ion Ratio Lower Upper
75 100
77 31.7 22.3 41.5

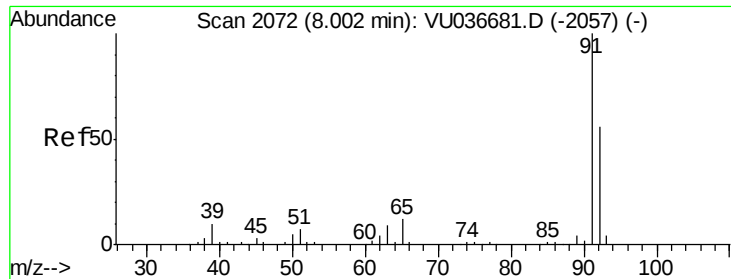


#40

4-Methyl-2-pentanone
Concen: 237.856 ug/L
RT: 7.83 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

Tgt Ion: 43 Resp: 654671
Ion Ratio Lower Upper
43 100
58 39.2 31.0 46.6
100 14.4 11.4 17.2





#42

Toluene

Concen: 102.068 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

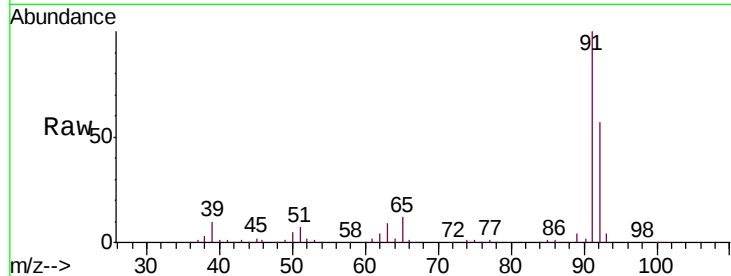
VSTD100104

Tgt Ion: 91 Resp: 829427

Ion Ratio Lower Upper

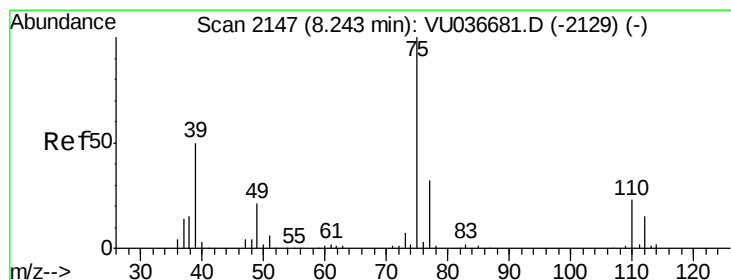
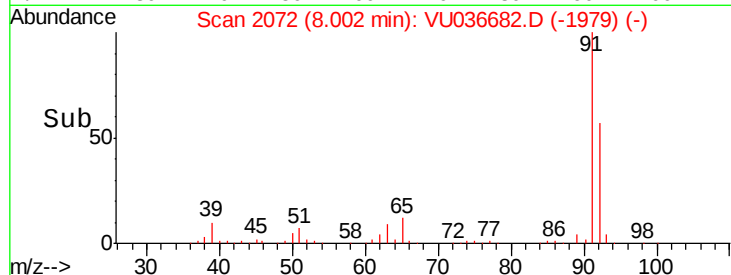
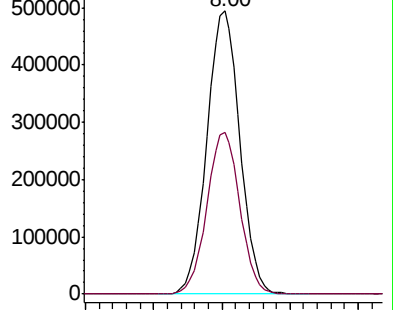
91 100

92 57.4 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036681.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036681.D (-2057) (-)



#44

trans-1,3-Dichloropropene

Concen: 104.907 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036682.D

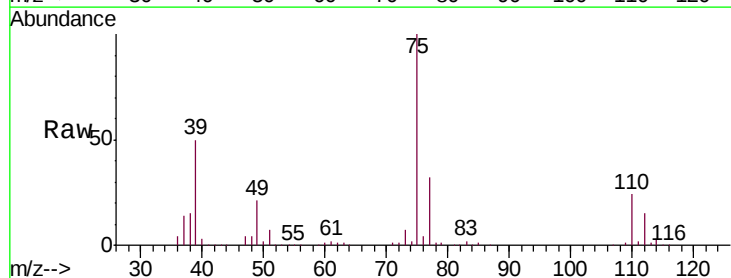
Acq: 06 Feb 2020 12:41

Tgt Ion: 75 Resp: 298036

Ion Ratio Lower Upper

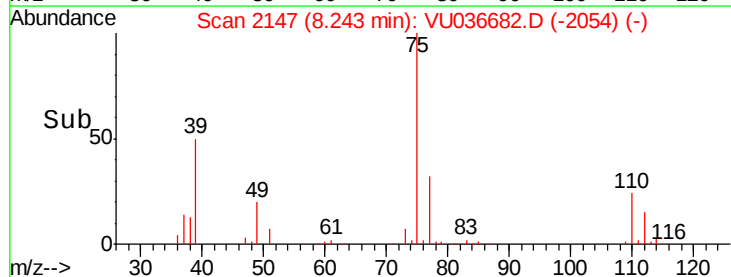
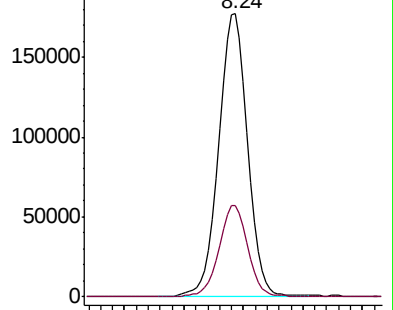
75 100

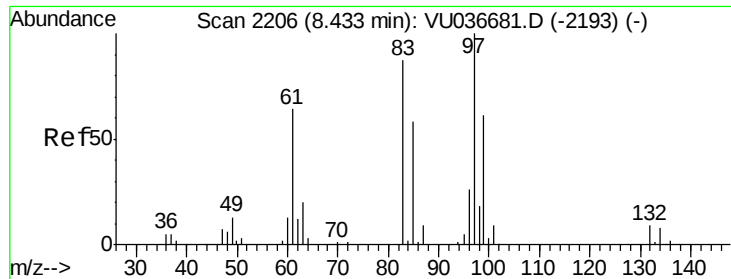
77 32.4 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VU036681.D (-2129) (-)

Ion 77.00 (76.70 to 77.70): VU036681.D (-2129) (-)

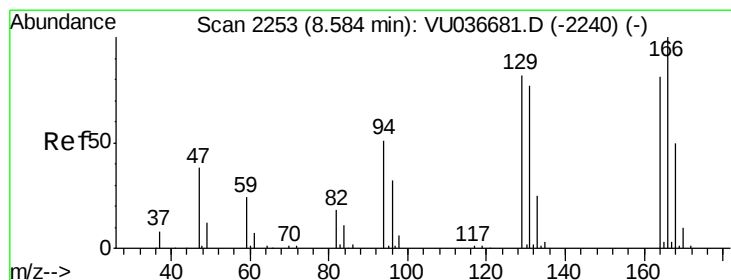
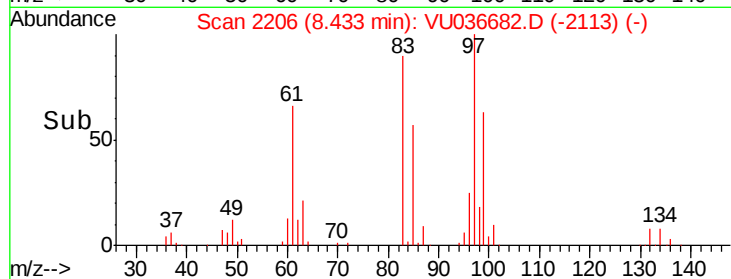
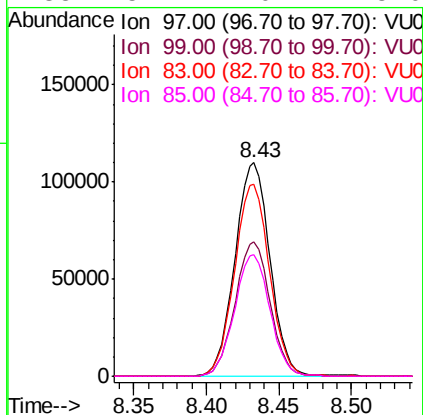
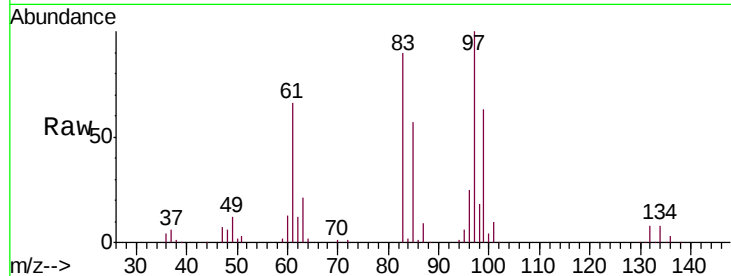




#45
 1,1,2-Trichloroethane
 Concen: 93.720 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036682.D
 Acq: 06 Feb 2020 12:41

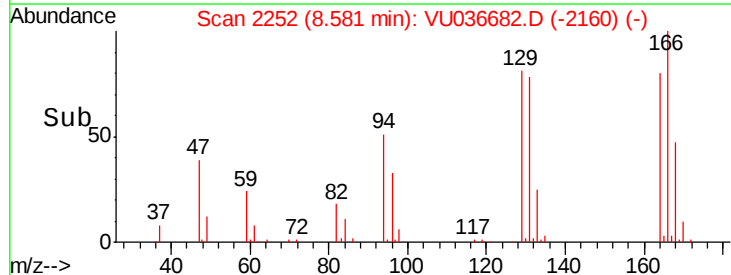
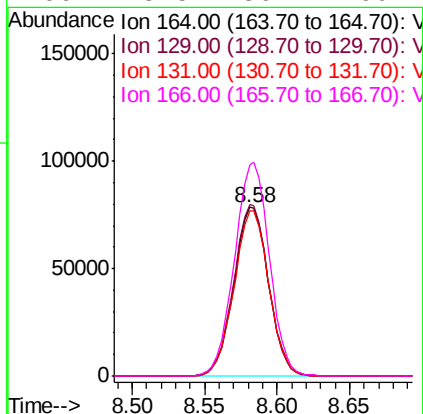
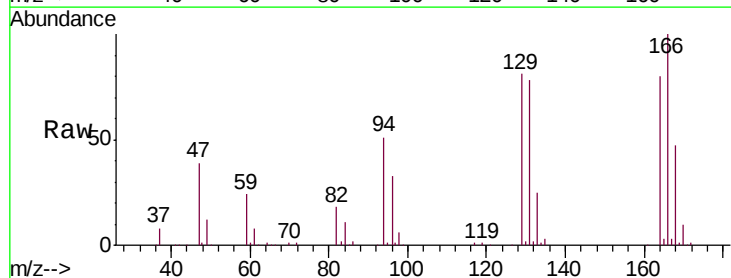
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100104

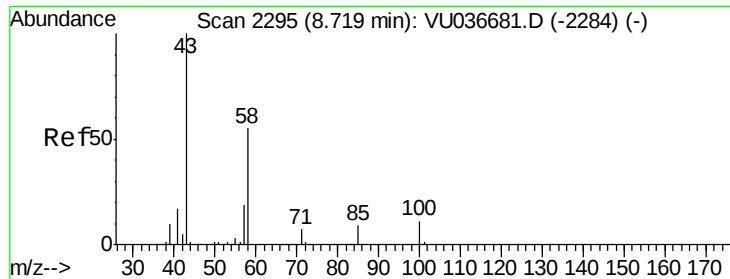
Tgt Ion:	97	Resp:	185179
Ion	Ratio	Lower	Upper
97	100		
99	63.1	42.6	79.0
83	90.0	61.1	113.5
85	57.1	40.4	75.0



#46
 Tetrachloroethene
 Concen: 84.582 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036682.D
 Acq: 06 Feb 2020 12:41

Tgt Ion:	164	Resp:	130538
Ion	Ratio	Lower	Upper
164	100		
129	102.0	71.0	131.9
131	98.2	66.6	123.6
166	125.5	86.4	160.4

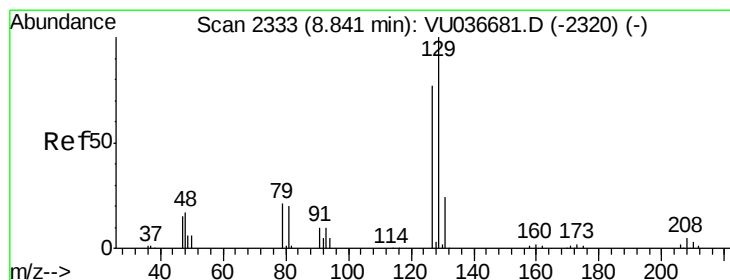
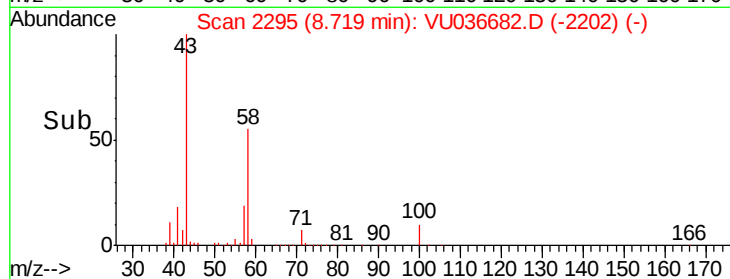
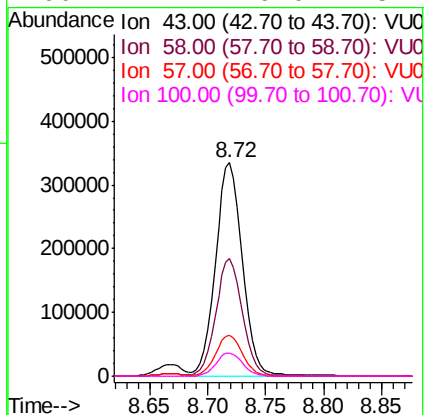
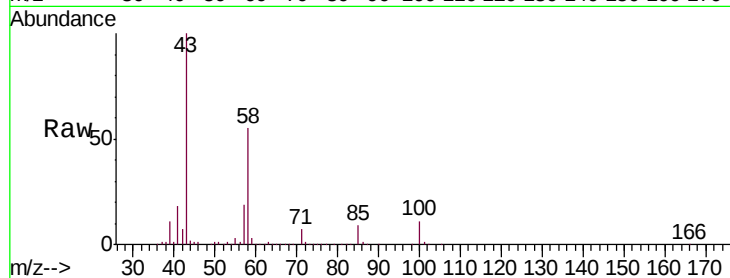




#48
2-Hexanone
Concen: 253.981 ug/L
RT: 8.72 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

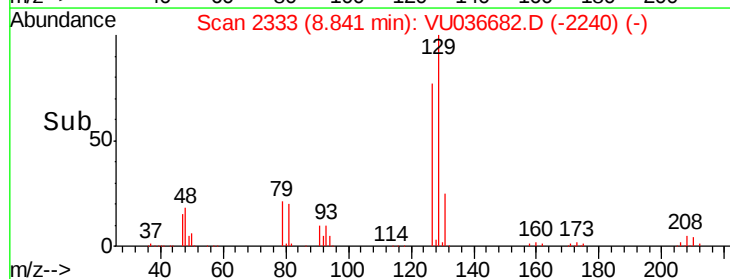
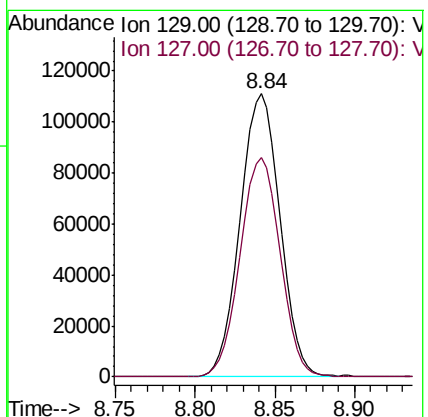
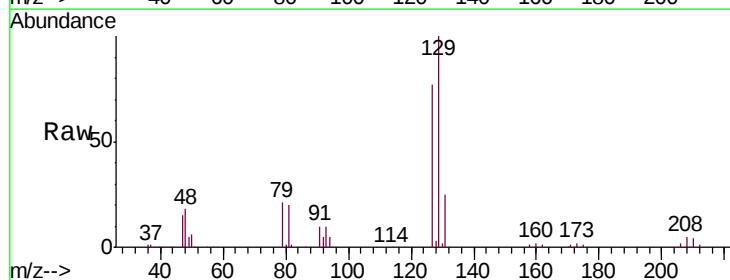
Instrument :
MSVOA_U
ClientSampleId :
VSTD100104

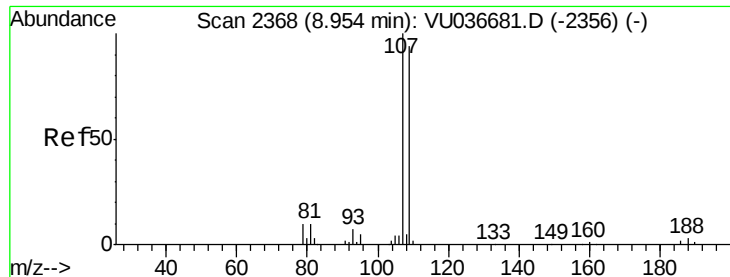
Tgt Ion: 43 Resp: 538328
Ion Ratio Lower Upper
43 100
58 54.6 43.6 65.4
57 19.5 15.5 23.3
100 11.1 9.0 13.4



#49
Dibromochloromethane
Concen: 87.896 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

Tgt Ion: 129 Resp: 189144
Ion Ratio Lower Upper
129 100
127 77.3 53.6 99.6

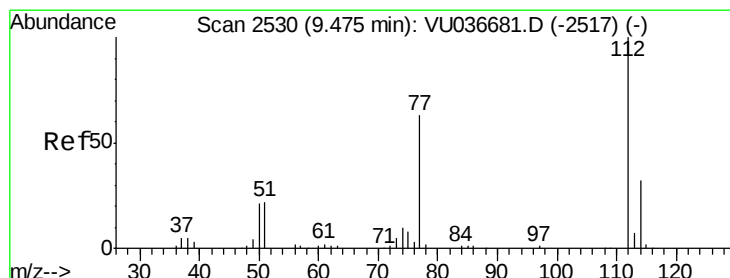
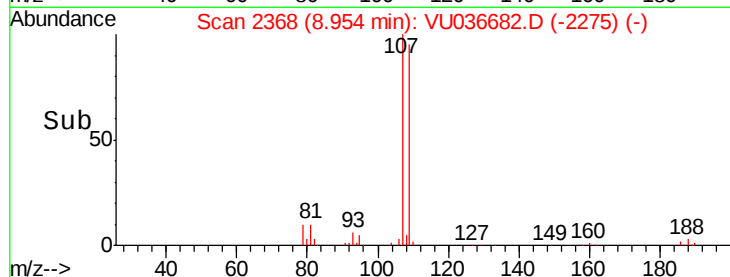
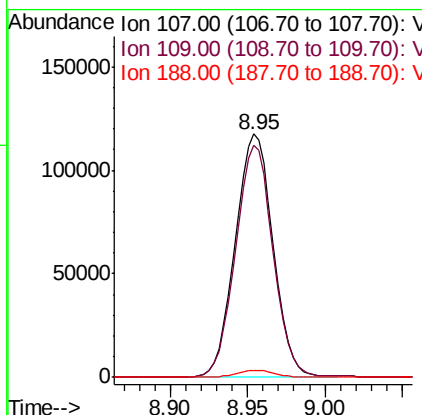
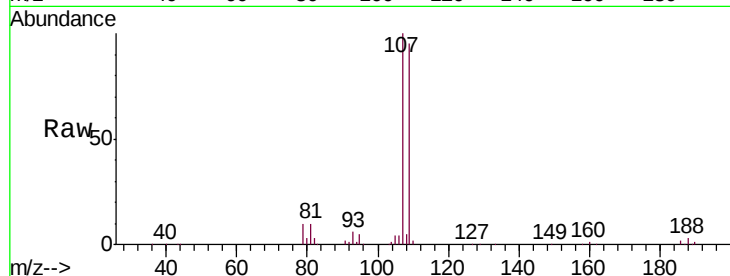




#50
 1,2-Dibromoethane
 Concen: 96.897 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036682.D
 Acq: 06 Feb 2020 12:41

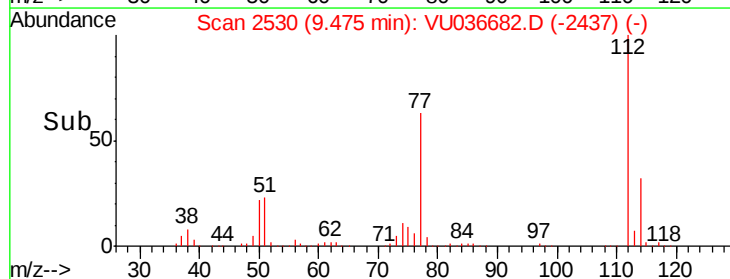
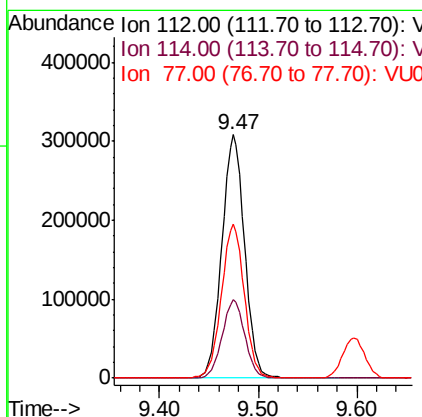
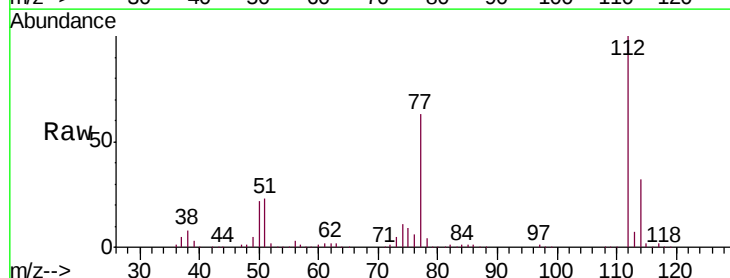
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100104

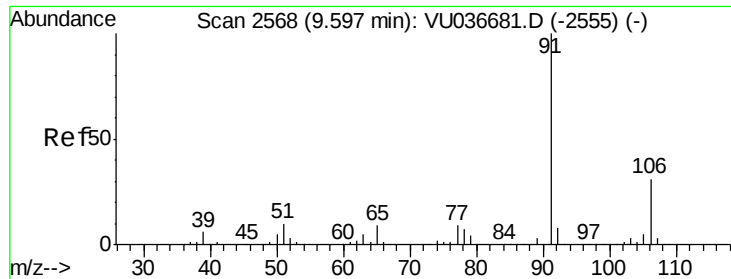
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.4	65.8	122.2
188	3.0	2.5	3.7



#51
 Chlorobenzene
 Concen: 95.297 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: VU036682.D
 Acq: 06 Feb 2020 12:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.7	42.1
77	63.0	50.6	75.8





#52

Ethylbenzene

Concen: 107.029 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

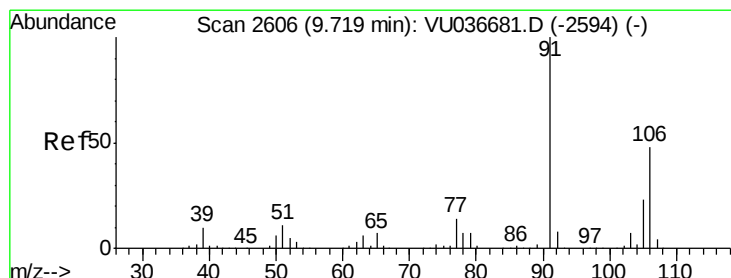
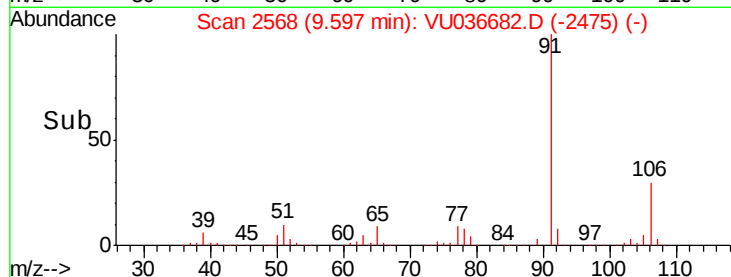
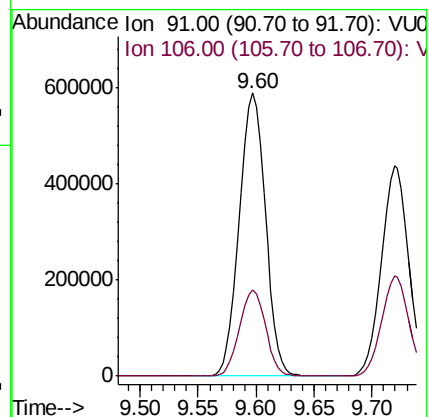
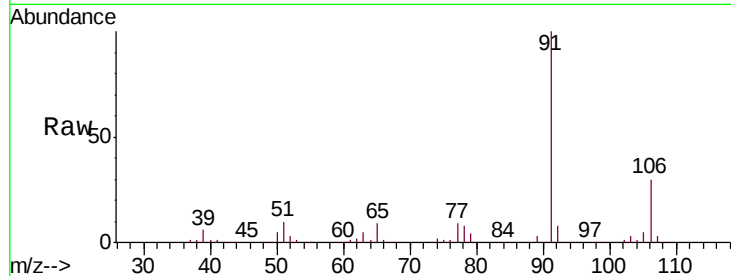
VSTD100104

Tgt Ion: 91 Resp: 922618

Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.6



#53

m,p-Xylene

Concen: 107.073 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036682.D

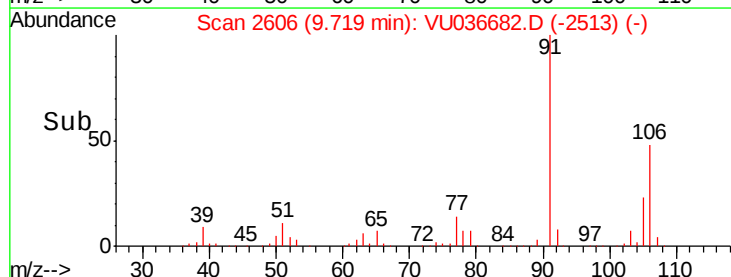
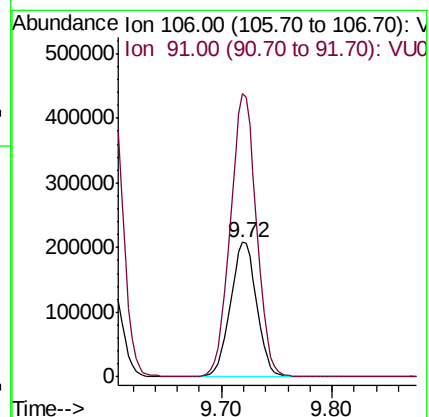
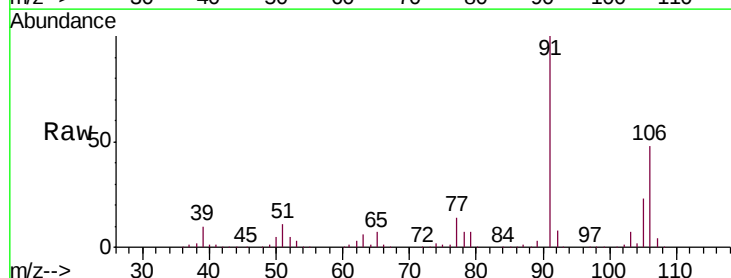
Acq: 06 Feb 2020 12:41

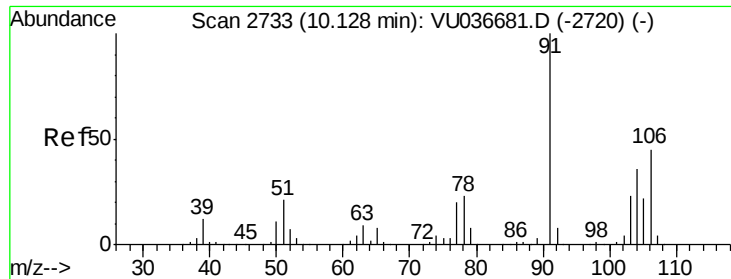
Tgt Ion: 106 Resp: 342754

Ion Ratio Lower Upper

106 100

91 210.0 145.9 270.9

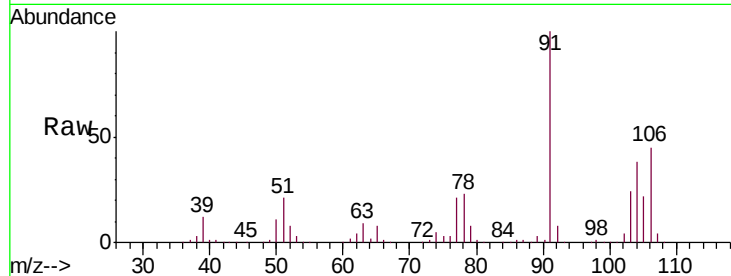




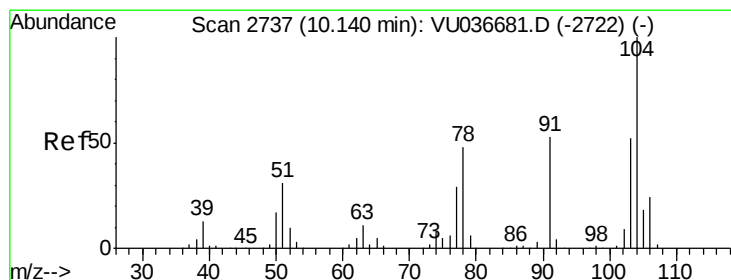
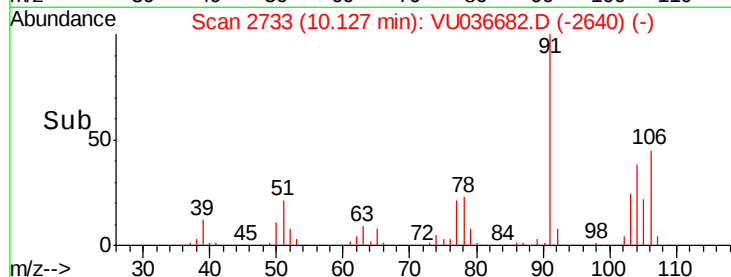
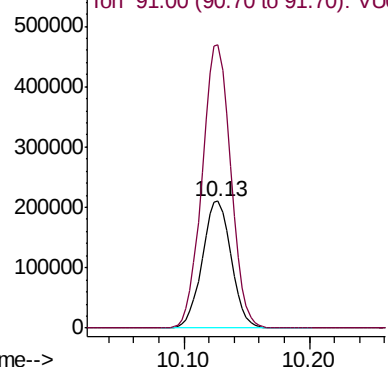
#54
o-xylene
Concen: 106.889 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD100104

Tgt Ion:106 Resp: 336920
Ion Ratio Lower Upper
106 100
91 223.5 156.0 289.6

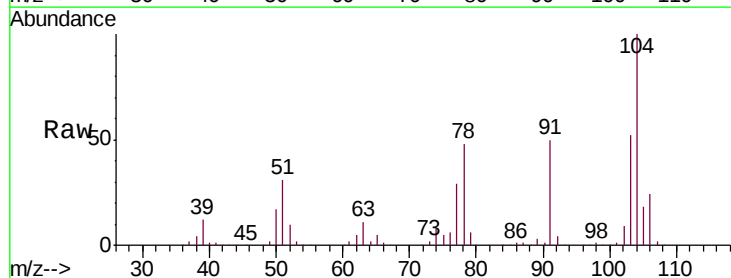


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

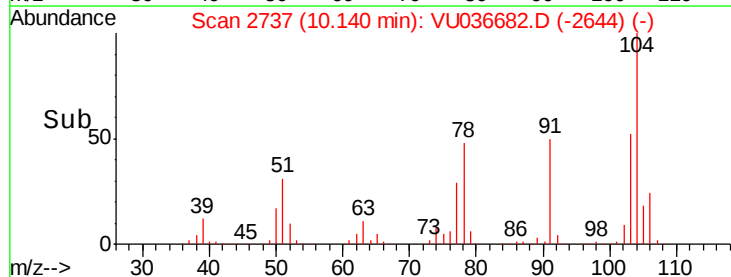
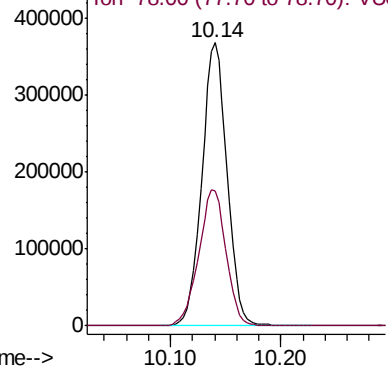


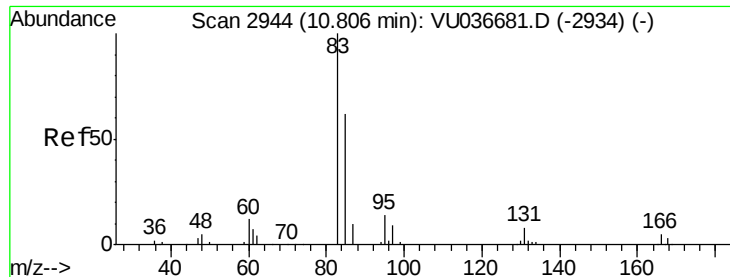
#55
Styrene
Concen: 109.100 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

Tgt Ion:104 Resp: 580742
Ion Ratio Lower Upper
104 100
78 47.8 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: 102.780 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD100104

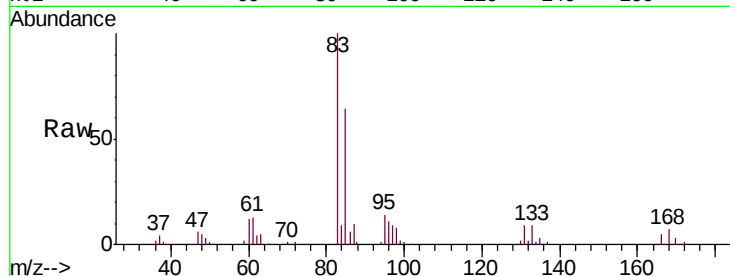
Tgt Ion: 83 Resp: 344708

Ion Ratio Lower Upper

83 100

85 64.3 44.7 82.9

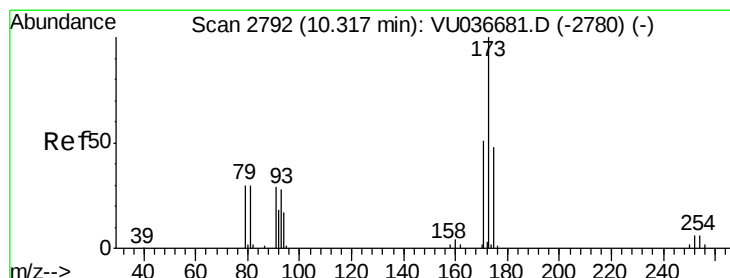
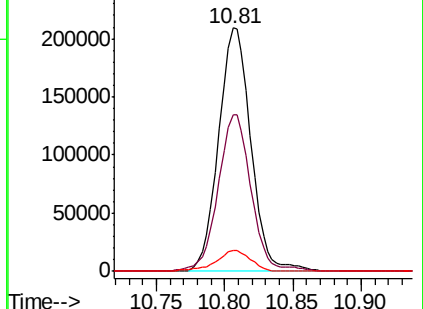
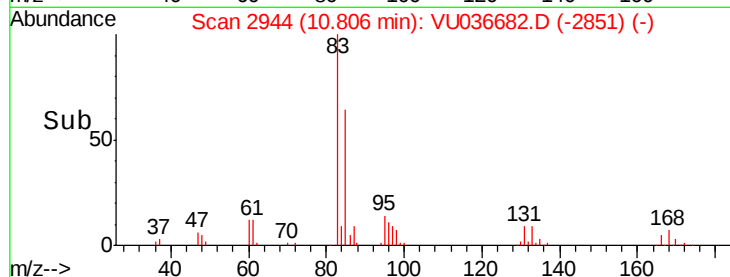
131 8.5 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU036682.D (-2934) (-)

Ion 85.00 (84.70 to 85.70): VU036682.D (-2934) (-)

Ion 131.00 (130.70 to 131.70): VU036682.D (-2934) (-)



#59

Bromoform

Concen: 89.373 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

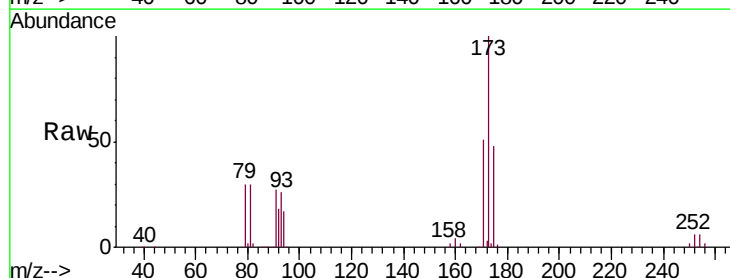
Tgt Ion: 173 Resp: 136458

Ion Ratio Lower Upper

173 100

175 48.3 38.2 57.4

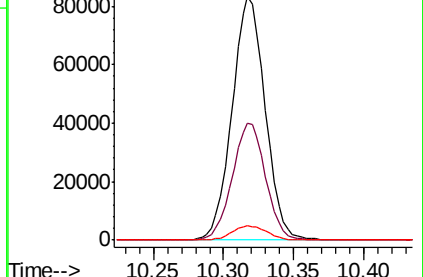
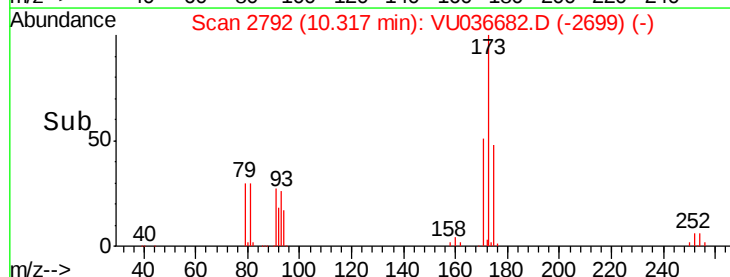
254 6.0 4.8 7.2

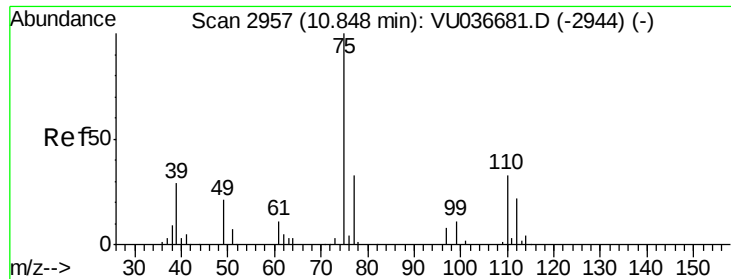


Abundance Ion 173.00 (172.70 to 173.70): VU036682.D (-2792) (-)

Ion 175.00 (174.70 to 175.70): VU036682.D (-2792) (-)

Ion 254.00 (253.70 to 254.70): VU036682.D (-2792) (-)





#60

1,2,3-Trichloropropane

Concen: 107.838 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD100104

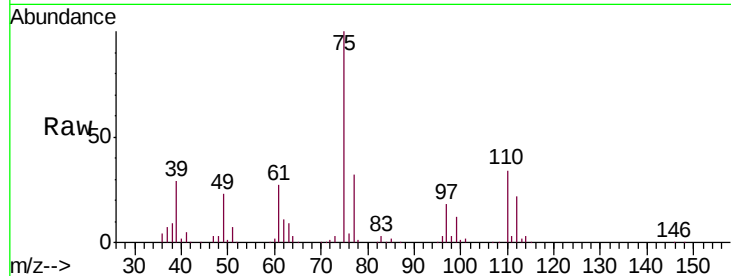
Tgt Ion: 75 Resp: 274502

Ion Ratio Lower Upper

75 100

77 31.6 26.1 39.1

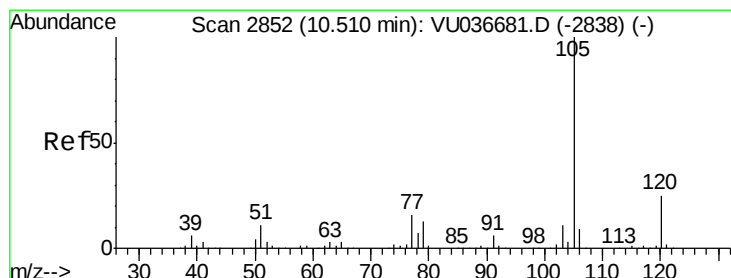
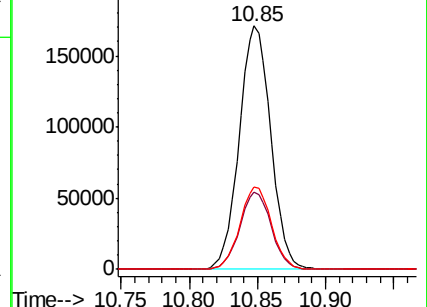
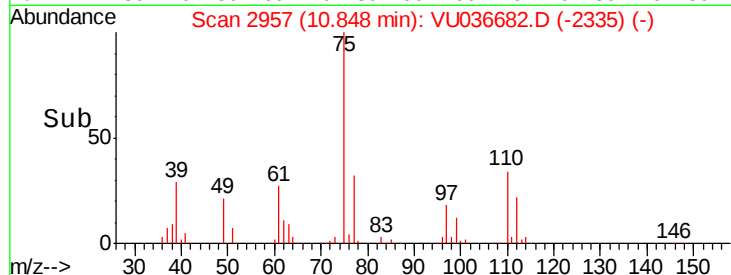
110 33.7 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU036681.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU036681.D (-2944) (-)

Ion 110.00 (109.70 to 110.70): VU036681.D (-2944) (-)



#61

Isopropylbenzene

Concen: 113.694 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

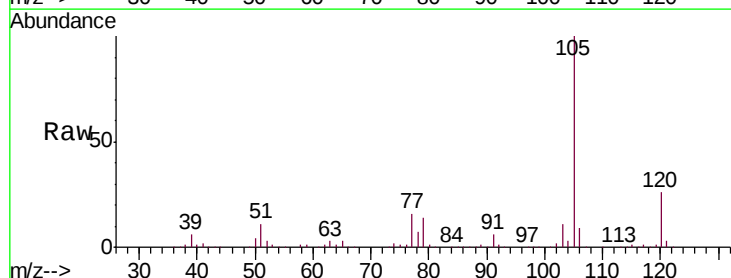
Tgt Ion: 105 Resp: 888239

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.4

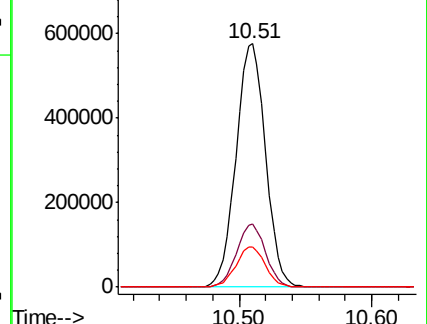
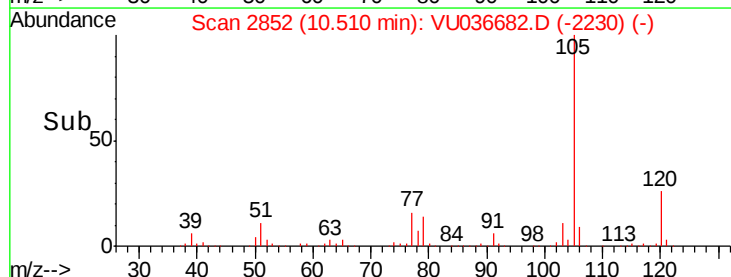
77 16.4 13.0 19.6

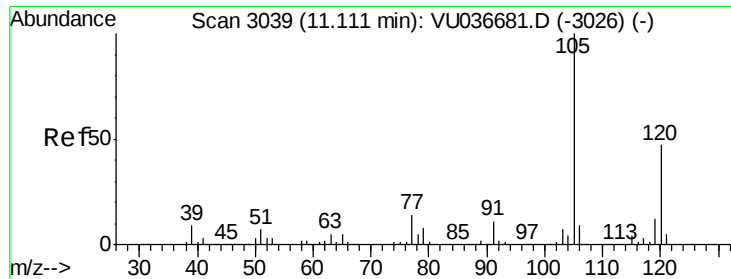


Abundance Ion 105.00 (104.70 to 105.70): VU036681.D (-2838) (-)

Ion 120.00 (119.70 to 120.70): VU036681.D (-2838) (-)

Ion 77.00 (76.70 to 77.70): VU036681.D (-2838) (-)

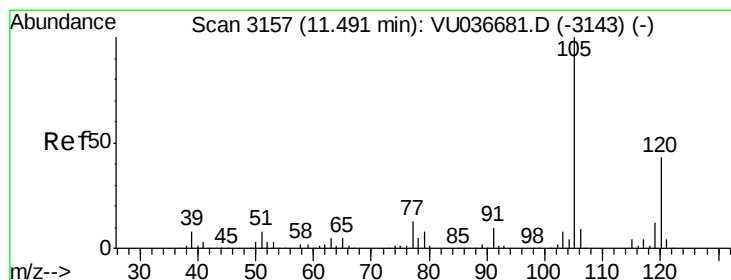
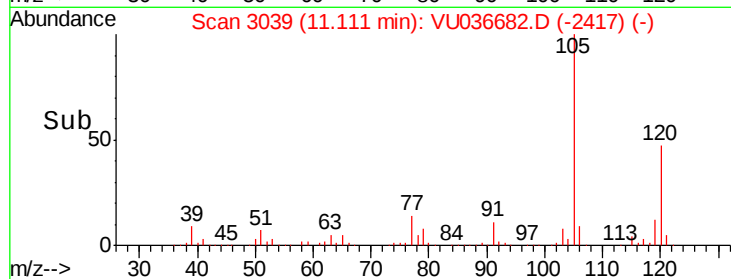
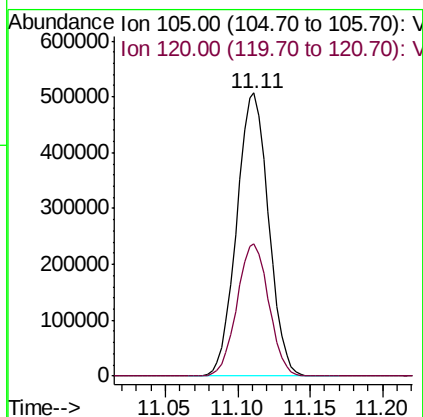
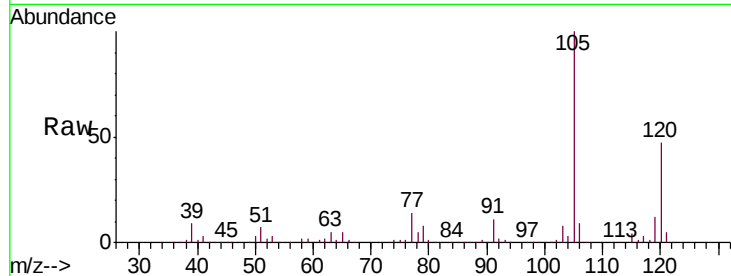




#62
 1,3,5-Trimethylbenzene
 Concen: 121.538 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. -0.00 min
 Lab File: VU036682.D
 Acq: 06 Feb 2020 12:41

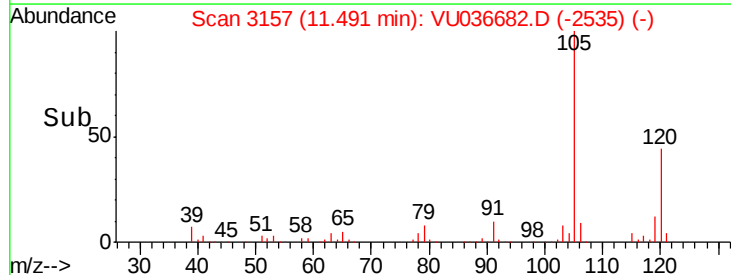
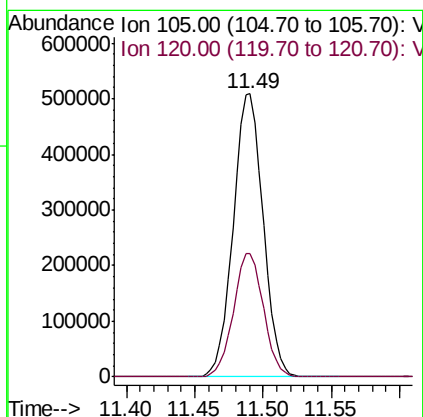
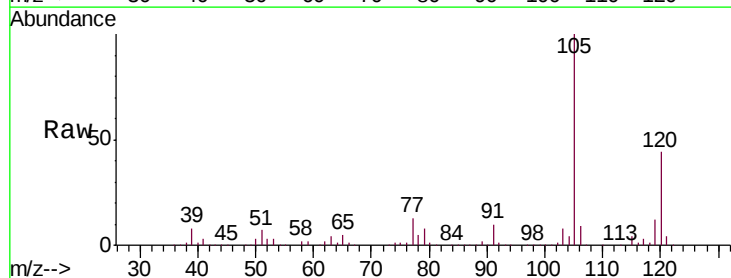
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100104

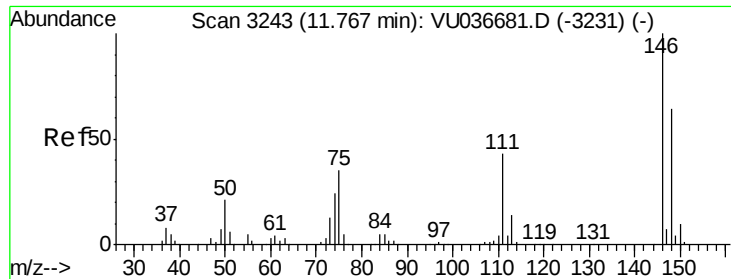
Tgt Ion:105 Resp: 775298
 Ion Ratio Lower Upper
 105 100
 120 46.7 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 122.296 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU036682.D
 Acq: 06 Feb 2020 12:41

Tgt Ion:105 Resp: 772591
 Ion Ratio Lower Upper
 105 100
 120 43.7 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 100.434 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD100104

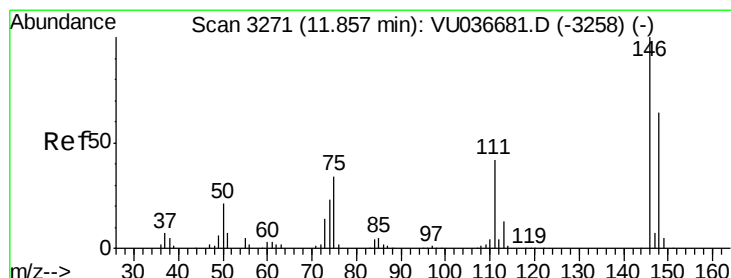
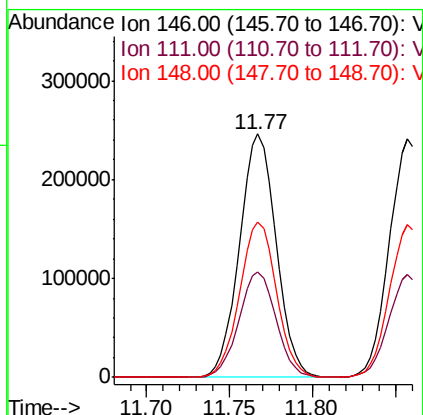
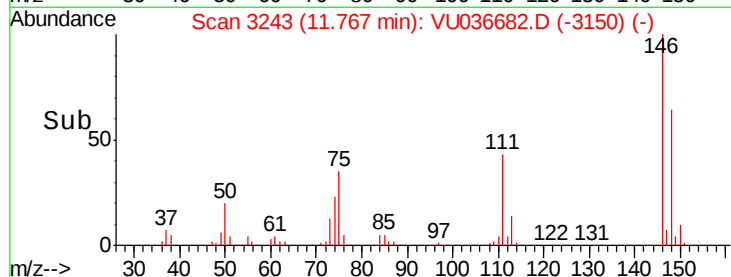
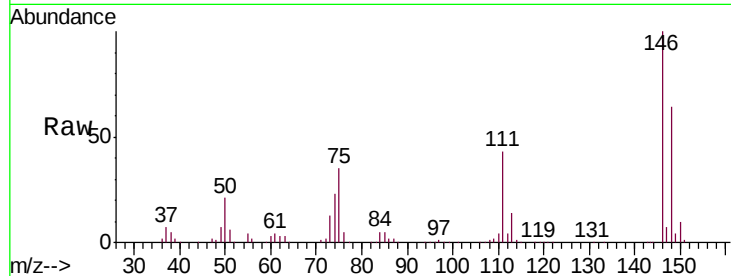
Tgt Ion:146 Resp: 379483

Ion Ratio Lower Upper

146 100

111 43.1 30.4 56.4

148 64.0 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 97.477 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036682.D

Acq: 06 Feb 2020 12:41

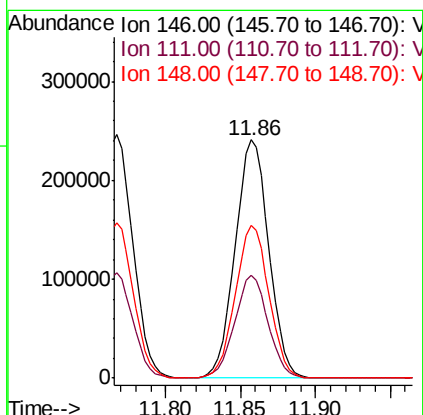
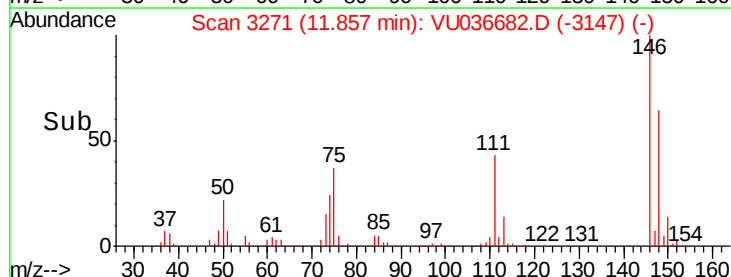
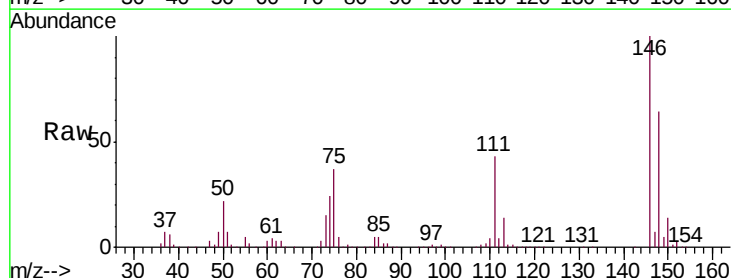
Tgt Ion:146 Resp: 376486

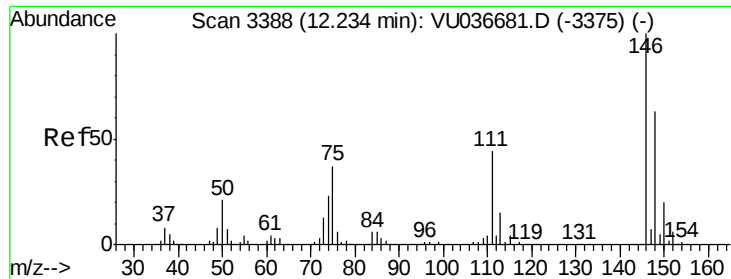
Ion Ratio Lower Upper

146 100

111 43.0 29.3 54.3

148 64.1 44.8 83.2

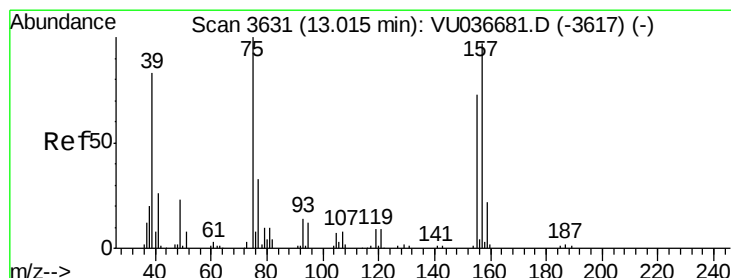
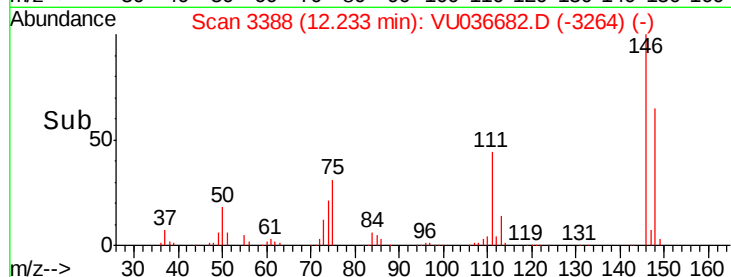
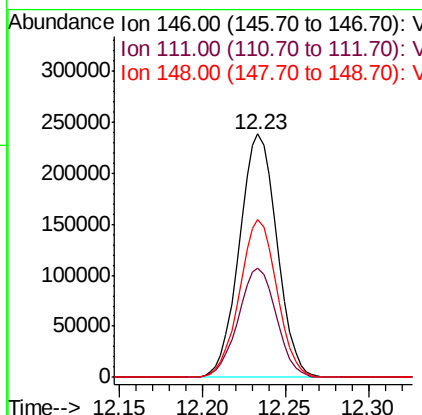
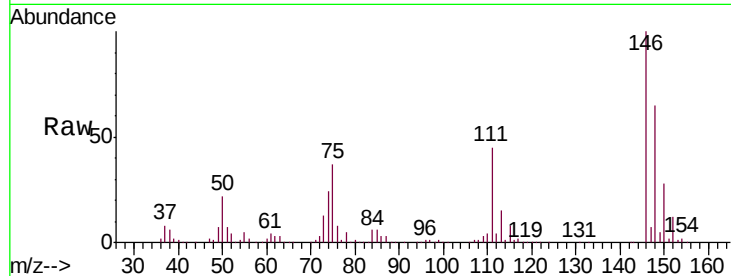




#67
 1,2-Dichlorobenzene
 Concen: 97.752 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036682.D
 Acq: 06 Feb 2020 12:41

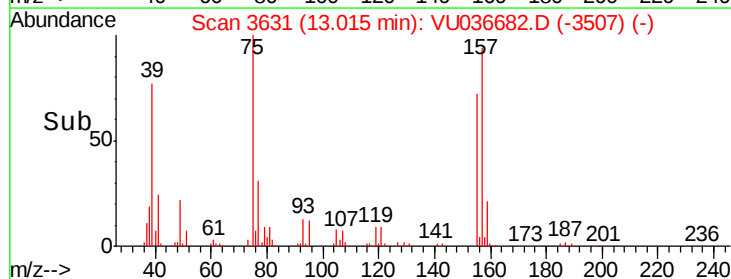
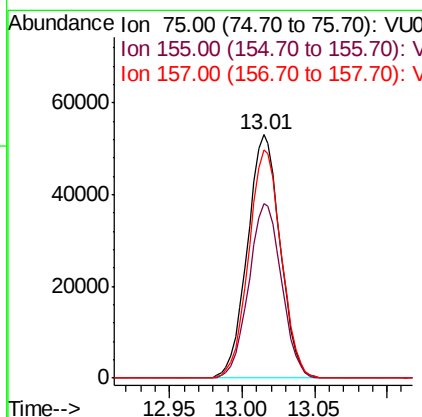
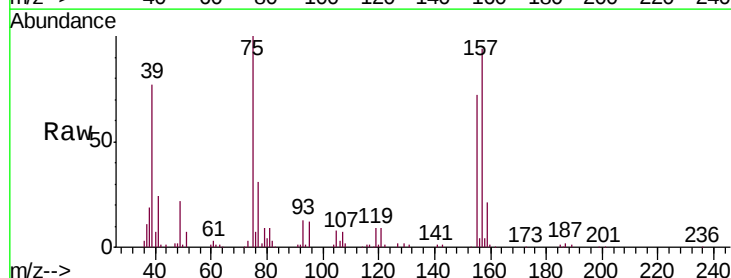
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100104

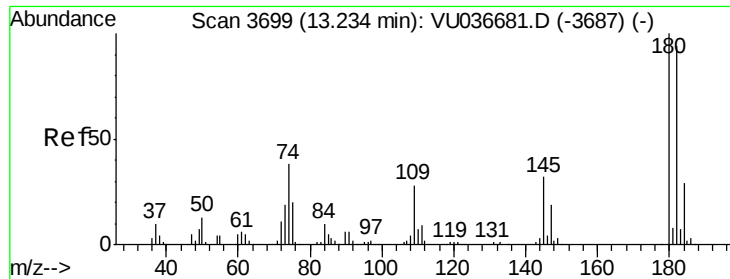
Tgt Ion: 146 Resp: 375669
 Ion Ratio Lower Upper
 146 100
 111 44.8 35.4 53.0
 148 64.8 50.4 75.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 116.323 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU036682.D
 Acq: 06 Feb 2020 12:41

Tgt Ion: 75 Resp: 83325
 Ion Ratio Lower Upper
 75 100
 155 71.7 58.7 88.1
 157 93.6 77.8 116.6

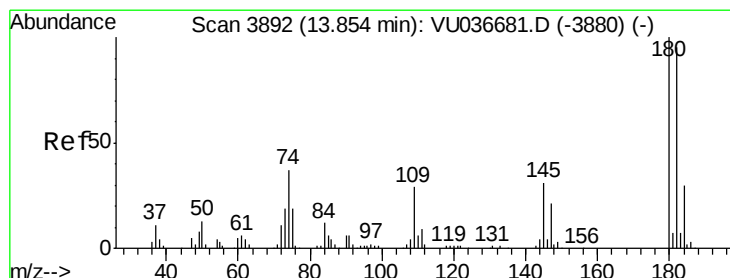
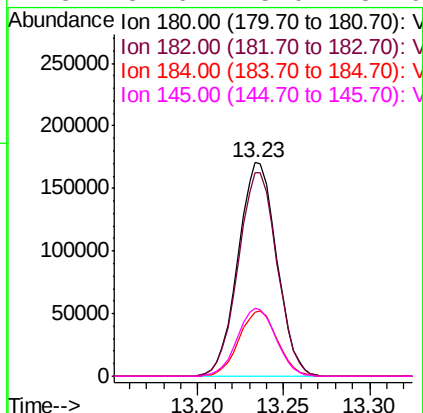
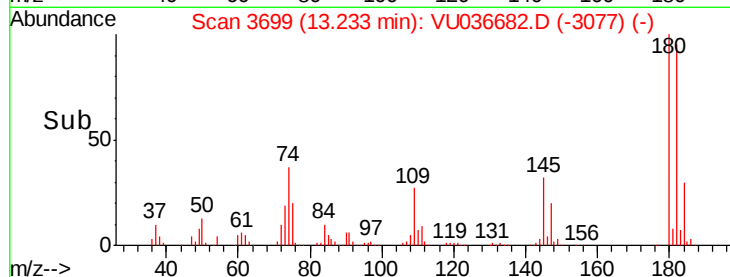
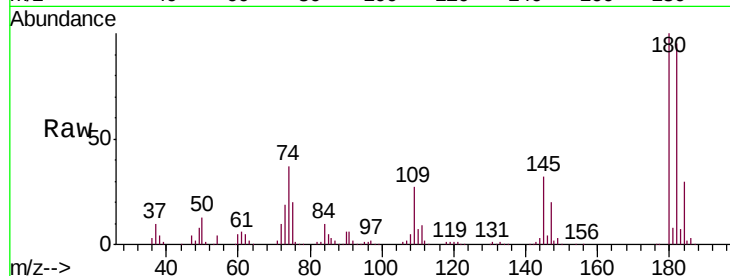




#69
 1,3,5-Trichlorobenzene
 Concen: 95.390 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. -0.00 min
 Lab File: VU036682.D
 Acq: 06 Feb 2020 12:41

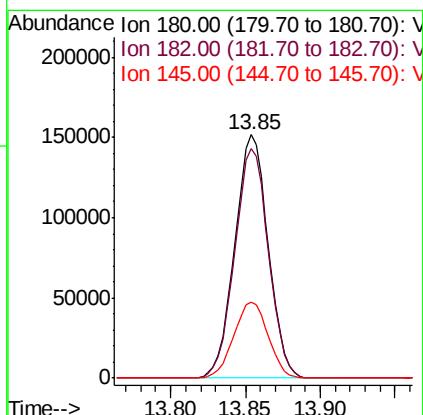
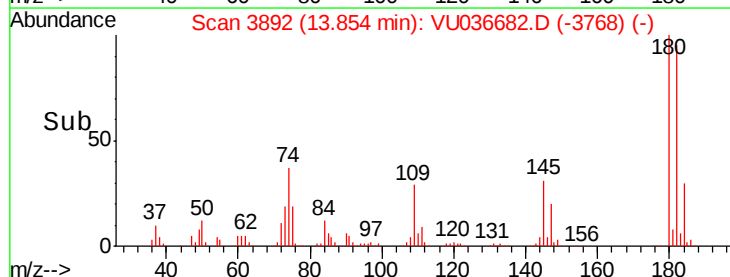
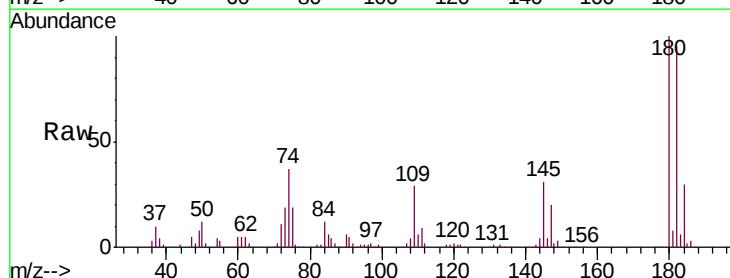
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD100104

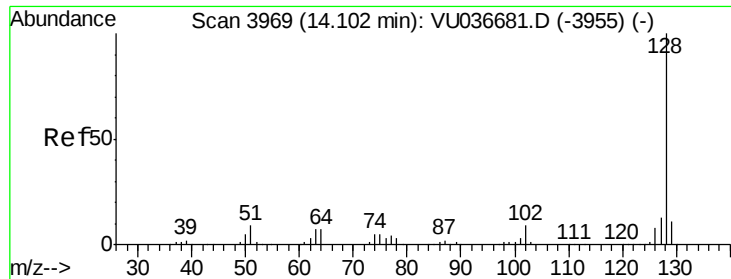
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.4
184	30.2	23.8	35.6
145	31.6	25.0	37.6



#70
 1,2,4-trichlorobenzene
 Concen: 101.460 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU036682.D
 Acq: 06 Feb 2020 12:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
145	32.0	25.7	38.5

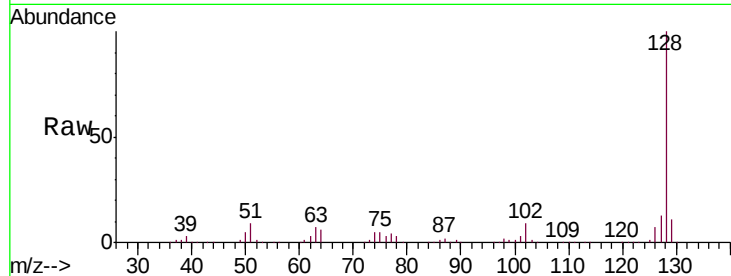




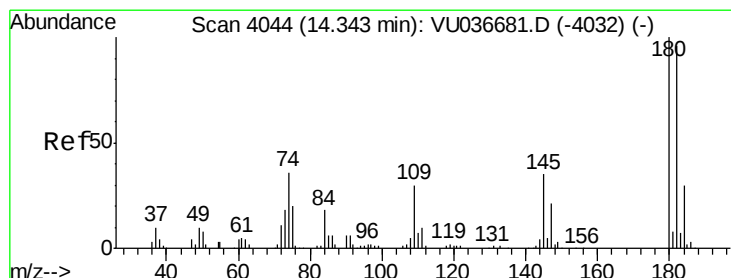
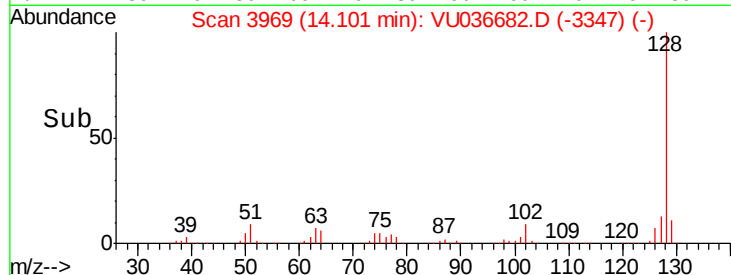
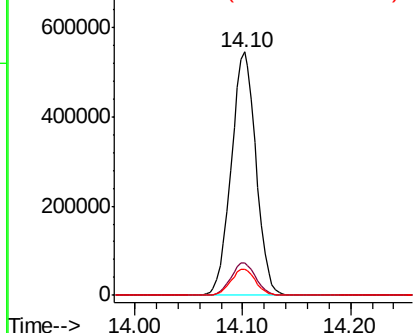
#71
Naphthalene
Concen: 121.906 ug/L
RT: 14.10 min Scan# 3969
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD100104

Tgt Ion:128 Resp: 871283
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 10.8 8.5 12.7

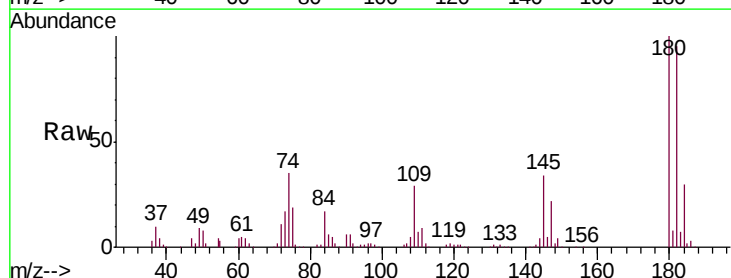


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 96.344 ug/L
RT: 14.34 min Scan# 4044
Delta R.T. -0.00 min
Lab File: VU036682.D
Acq: 06 Feb 2020 12:41

Tgt Ion:180 Resp: 230806
Ion Ratio Lower Upper
180 100
182 95.0 76.8 115.2
145 33.9 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

